QUARTERLY PROGRESS REPORT
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

TO: Darryl Luce, USEPA
Thomas Andrews, NHDES
Warren Diesl, AECOM Environment

FROM: Work Settling Defendants (WSD)
prepared by Mike Webster and Christene Binger, GeoInsight, Inc.

DATE: October 10, 2010

Christene Binger

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Reason: I am approving this document
Date: 2010.10.14 11:06:53 -04'00'

RE: Quarterly Progress Report

REPORTING PERIOD:

_____January to March – Due April 10th
_____April to June – Due July 10th
__X__July to September – Due October 10th
_____October to December – Due January 10th

I. PROGRESS REPORT OVERVIEW

For these Quarterly Progress Reports, representatives of the United States Environmental Protection Agency (USEPA) and New Hampshire Department of Environmental Services (NHDES) will be collectively referred to as the "Agency(ies)." Remedial Design (RD) and Remedial Action (RA) activities are being completed at the Dover Municipal Landfill Superfund Site by GeoInsight, Inc. (GeoInsight) and XDD, Inc. (XDD) at the request of the Executive Committee of the Work Settling Defendants (the "Group"). Dean Peschel, Environmental Projects Manager for the City of Dover, is the project coordinator on behalf of the Group.

As requested by Darryl Luce, USEPA Remedial Project Manager, the Quarterly Progress Report was developed to provide an overall summary of completed and ongoing activities. The First Quarterly Report that was submitted on January 10, 2009 included an overview of objectives and an overall summary of activities at the Dover Municipal Landfill. Going forward, Quarterly Progress Reports will only include updates for ongoing RD and RA activities. As requested by USEPA, the progress report will be distributed via electronic PDF copies only.

II. OVERVIEW OF LANDFILL ACTIVITIES

This progress report focuses upon activities completed from July to September 2010. During this reporting period, activities were conducted associated with:

- Southern Plume Management of Migration (MOM) (summary attached);

SDMS DocID 473192

- Northwest Landfill Hot Spot Remedial Design and Remedial Action (summary attached); and

- Source Control (discussed in Section III).

A master schedule of anticipated activities for 2010 and 2011 was developed to provide the Agencies and the Group with a consolidated, site-wide summary of activities and likely implementation schedule. The master schedule will be updated each quarter and is included as an attachment.

III. STATUS OF SOURCE CONTROL ACTIVITIES

The Source Control 75% Remedial Design was submitted to the Agencies on July 15, 2010 and approved by the Agencies on July 26, 2010. The Source Control 100% Remedial Design was submitted to the Agencies on September 24, 2010 and approved by the Agencies on September 30, 2010. A Technical Memorandum will be submitted to the Agencies for the acceleration of construction activities in the fall of 2010. Construction is anticipated to start in November 2010.

IV. COMMUNITY RELATIONS PLAN

The Group and the Agencies did not conduct public meetings during this reporting period.

V. SUMMARY OF REMEDIAL ACTIVITIES

This section of the Quarterly Progress Report will provide a summary of the estimated mass of volatile organic compounds (VOC) removed (to date) associated with ongoing remedial activities.

Activity	Pounds of VOCs Removed			
	2008	2009	2010 (to date)	Total
Southern Plume MOM	4.5	4.0	2.8	11.3
Northwest Landfill Hotspot	0	17,603	10,877	28,480

VI. ATTACHMENTS

- Master Schedule of Anticipated Activities - Year 2010 and 2011; and
- Summary and Status of Activities (two attachments).

MASTER SCHEDULE OF ANTICIPATED ACTIVITIES - YEAR 2010 to 2011
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
TOLEND ROAD
DOVER, NEW HAMPSHIRE

	2010												2011											
	Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SOURCE CONTROL																								
Source Control Remedial Design																								
Work Plan for Remedial Design (approved November 9, 2009)																								
30 % SCRD (approved April 15, 2010)																								
75 % SCRD (approved July 26, 2010)																								
100 % SCRD (approved September 30, 2010)																								
Source Control Remedial Action																								
Closure of Perimeter Ditch																								
Construction of Ground Water Extraction (GWE) System																								
Enhancement of Permeable Cover																								
GWE System Start-up																								
Northwest Landfill Hotspot Remedial Action																								
Site Preparation Activities and Equipment Testing																								
Baseline Sampling																								
System Start Up																								
Seasonal Operation																								
Performance Monitoring																								
System Shutdown																								
Data submittals (with Quarterly Progress Reports)																								
MANAGEMENT OF MIGRATION																								
Southern Plume - Ground Water Extraction																								
Pre-start up system equipment procurement and configuration modifications																								
Baseline Gauging and Sampling																								
System Start Up																								
Seasonal Operation																								
Performance Monitoring																								
System Shutdown																								
Data submittals (with Quarterly Progress Reports)																								
OTHER RESPONSE ACTIONS																								
Soil Vapor Intrusion - Indoor Air Pre-Design Investigation																								
Focused Monitoring during EMP Events																								
Ecotoxicity and Human Health Assessment of the Cocheco River																								
Final Report (submitted January 14, 2010)																								
Environmental Monitoring Plan																								
EMP Program Proposed Modifications Summary																								
First Monitoring Event (Spring) 2010																								
Second Monitoring Event (Winter) 2010																								
Summary Report: First Monitoring Event (Summer) Year 2010																								
Summary Report: Second Monitoring Event (Summer) Year 2010																								
First Monitoring Event (Spring) 2011																								
Second Monitoring Event (Winter) 2011																								
Summary Report: First Monitoring Event (Summer) Year 2011																								

SUMMARY AND STATUS OF ACTIVITIES – Q3 - OCTOBER 10, 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

1. Summary of Activities

- coordinating operation of the Southern Plume ground water extraction (GWE) system;
- collecting bi-weekly and monthly samples from extraction wells and the frac tank, respectively;
- conducting weekly system operation, monitoring, and maintenance activities;
- performing the quarterly ground water monitoring event and downloading pressure transducer data on July 20, 2010;
- removing accumulated silt from monitoring well MW-209(I) and extraction wells MW-206(I) and SB-4D on September 21, 2010; and
- preparing the Periodic Remedy Performance Report (attached).

2. Deliverables and Correspondence

The following deliverables were submitted or received by the Agencies:

- A Periodic Remedy Performance report for the period April to July 2010 is attached.

3. Schedule for Next Quarter

During the next quarter the following activities are anticipated to be performed:

- weekly system operation, monitoring, and maintenance activities;
- bi-weekly and monthly sampling activities from extraction wells and the frac tank, respectively;
- quarterly performance monitoring event and transducer downloads;
- on-going evaluation of system performance field data; and
- system shut down when freezing temperatures occur.

4. Status of Activities

Reporting Schedule - Information regarding the Southern Plume MOM will be included in two of the four annual Quarterly Progress Reports as specified in September 26, 2008 100 Percent Design Report, consistent with the following reporting schedule:

-April to July activities will be included in the October Report (attached to this summary page)
-August to November activities will be included in the subsequent April Report

Remedy Design:	Complete.
Remedy Construction:	Complete.
Remedy Implementation:	First and second operating season completed. Third system operating season initiated on April 19, 2010.

Mass Removal 2008:	4.5 pounds
Mass Removal 2009:	4.0 pounds
Mass Removal 2010 (to date):	2.8 pounds
Total Mass Removal	**11.3 pounds**

5. Modifications - Modifications were not implemented during this quarter (Q3).

PERIODIC REMEDY PERFORMANCE REPORT

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

DATE: October 10, 2010
TO: Darryl Luce, USEPA; Thomas Andrews, NHDES
FROM: Mike Webster, Christene Binger, and Kristin Zeman
RE: Periodic Remedy Performance Report – Implementation of 100 Percent Remedial Design, Southern Plume Management of Migration

REPORTING PERIOD

April to July_____X_____ (Due October 10th)
August to November _____ (Due April 10th)

A. INTRODUCTION

This Periodic Remedy Performance (PRP) Report provides a summary of operation and maintenance activities associated with the Southern Plume ground water extraction (GWE) system for the period between April 19 and July 31, 2010. The GWE system was designed and installed as part of the Southern Plume Management of Migration (MOM) Remedial Action (RA) for the Dover Municipal Landfill Superfund Site. This is a periodic status report, and, therefore, does not include comprehensive evaluations of system performance and optimization. These evaluations will be presented in the next Annual Remedy Performance (ARP) Report (April 2011).

B. ACTIVITIES (April 19 through July 31, 2010)

i. Pumping Periods

- The GWE system operation continuously between April 19 (date of system start up) and July 31, 2010 (last day of the reporting period). Intermittent brief periods (i.e., hours to several days) of pump downtime were associated with pump maintenance and repair. Information regarding system operation is presented in the following section of this report. Table 1 summarizes pumping periods for extraction wells MW-206(I) and SB-4D since the GWE system was installed in November 2007.

- During this reporting period, wells MW-206(I) and SB-4D extracted ground water at an average rate of 0.9 and 0.8 gallons per minute (gpm), respectively. The total flow rate for the GWE system, ranged from 1.5 to 2.0 gpm. Additional information regarding GWE system flow rates is summarized in Table 2A (2007/2008), 2B (2009), and 2C (2010) (modified from Table 2 of the Southern Plume Remedial Action MOM Operation and Maintenance Plan [SPRA O&M Plan]).

ii. GWE System Operation and Maintenance

- During the 2009 operating season, small pinhole-sized corrosion holes (i.e., pitting) were observed in one of the pneumatic pump casings. The holes provided pathways for pressurized air to "short-circuit" the pumping mechanism, and, consequently, water was not being pumped to the fractionation (frac) tank. Upon further inspection, pitting was also observed in another pump casing, but was not yet fully penetrating the casing. The pumps were removed from service at the end of the 2009 season and sent to the manufacturer to be rebuilt with corrosion-resistant materials. The refurbished pumps were returned to service for the 2010 season. To date, pitting has not been observed in the pump casings.

- During the 2009 pumping season, it was observed that the paddlewheel-style totalizers did not accurately record the flow rate because of reoccurring iron/sediment fouling and the pulsing flow characteristic of the pneumatic pumps. Consequently, alternative totalizer/flow meter options were evaluated prior to initiating the 2010 pumping season. Magmeter-style totalizers (Signet Model 2551) were chosen for this application based upon the following criteria:

    - no moving parts to become fouled with iron/sediment;
    - can handle low flow rates and pulsing flows; and
    - constructed of materials that are resilient to corrosive conditions.

  The magmeters were installed prior to initiating the 2010 season.

- During periods of GWE system operation, O&M activities were performed on a weekly basis. GWE system operational history is recorded in Tables 2A (2008), 2B (2009), and 2C (2010). Maintenance of GWE system components was generally conducted according to manufacturer's specifications and is summarized in the Maintenance Log (Table 3 [modified from Appendix H of the SPRA O&M Plan]).

- The GWE system operated continuously during this reporting period; however, brief periods (i.e., up to three consecutive days) of unscheduled pump downtimes occurred. Downtimes during this reporting period were caused by iron and sediment fouling in the pump chamber(s) and iron and sediment fouling in the water lines. System downtime was identified during weekly O&M visits, and necessary maintenance activities were typically completed by the conclusion of each site visit.

- Fouled pumps were removed from the extraction well(s), disassembled, brushed with steel wool, and occasionally soaked in a mild acid solution prior to resuming operation. Fouled influent water lines were disconnected and purged with pressurized air supplied by the on-site air compressor. To minimize operational downtime associated with pump fouling, a third pump was procured in 2009. Using the three pneumatic pumps on a rotating basis allows two pumps to be extracting ground water, while the third pump was repaired, cleaned, and/or soaked in the acid solution.

- On April 22, 2010, Clean Harbors Environmental Services of Bow, New Hampshire re-developed extraction well MW-206(I) and monitoring well SB-8D. A vactor truck was used to remove sediment that had collected at the bottom of the wells.

Well ID	Depth To Bottom (Before Vac Out)	Depth To Bottom (After Vac Out)	Thickness of Sediment Removed
MW-206(I)	42.95	53.20	10.25
SB-8D	62.80	68.95	6.15

NOTE: Measurements in feet. Depth to bottom measurements for MW-206(I) include a five foot sump.

Approximately 408 gallons of water and sediment were removed from the wells and transported to the frac tank for storage. Depth to bottom measurements will be obtained during the remainder of the pumping season to monitor the relative rate of sediment accumulation in the wells.

iii. Discharges

Since the installation of the GWE system in November 2007, approximately 699,921 gallons of ground water have been extracted from the pumping wells and discharged to the City of Dover municipal sewer system for treatment at the Publicly Owned Treatment Works (POTW). During this reporting period, approximately 177,265 gallons of ground water were extracted by the GWE system. GWE system effluent volume estimates are recorded in Table 2.

Extracted Ground Water Summary:

Total Volume 2007 and 2008:	264,588 gallons
Total Volume 2009:	258,068 gallons
Total Volume During Reporting Period (April 19 to July 31, 2010):	177,265 gallons
Total Volume to Date:	**699,921 gallons**

iv. Hydraulic Monitoring

- On March 26, 2010, a comprehensive hydraulic monitoring event was conducted to establish "baseline" hydraulic conditions in the Southern Plume MOM RA area prior to system start up. Wells and surface water gauging stations that were included in the comprehensive hydraulic monitoring event are summarized in Table 4 (modified from Table 5 of the SPRA O&M Plan). A second comprehensive hydraulic monitoring event will be conducted in October 2010 (i.e., during a period of system operation) to evaluate hydraulic conditions during a period of system pumping. Gauging data and an evaluation of pumping versus not-pumping hydraulic conditions will be included in the April 2011 Southern Plume ARP Report.

- In addition to semi-annual gauging events, continuous hydraulic influence of the GWE system is monitored using pressure transducers installed in key monitoring wells in the same stratigraphic interval as the pumping well (i.e., the Upper Upper Interbedded [UUI] unit), and in wells screened in the Upper Sand (US) and Lower Upper Interbedded (LUI) units (i.e., at elevations above and below the pumping interval). Quarterly downloading of continuous hydraulic monitoring data (i.e., transducer data) was conducted during this reporting period on July 20, 2010. Hydraulic data were recorded at 30-minute intervals in 10 transducers located in the vicinity of MW-206(I). Pressure transducers were not installed in three continuous hydraulic monitoring wells (MW-204(IA), MW-206(S), and SB-D3I) during the 2010 season. These transducers are temporarily being utilized at other portions of the site. Transducer data recorded between April 5, 2010 and July 20, 2010 are presented in Figure 1.

- Prior to the 2010 system start-up, a pressure transducer was installed in extraction well MW-206(I) to monitor drawdown. Average drawdown observed in the extraction well was between 3 and 4 feet during pumping periods. Transducer data recorded from MW-206(I) is presented in Figure 1.

C. GROUND WATER MONITORING

i. Influent Water Quality Monitoring

Water samples were collected from sample ports located in the influent water lines at the system manifold. The influent water samples were typically collected on a bi-weekly basis and submitted to Resource Laboratories, Inc. of Portsmouth, New Hampshire (RL) for volatile organic compounds (VOCs) analysis by United States Environmental Protection Agency (USEPA) Method 8260 (including tetrahydrofuran [THF]).

THF is the VOC that was detected at the highest concentrations in the influent water samples. The concentrations of THF ranged from 1,300 to 3,700 micrograms per liter (ug/L) in the water samples collected from MW-206(I) and from 1,100 to 3,300 ug/L in water samples collected from SB-4D, exceeding the Interim Cleanup Level (ICL) of 154 ug/L. Benzene was also detected in the influent water samples at concentrations exceeding the ICL of 5 ug/L. Benzene concentrations ranged from 25 to 30 ug/L in water samples collected from MW-206(I) and from 30 to 39 ug/L in water samples collected from SB-4D.

Other VOCs that were detected in the water samples included toluene, ethylbenzene, xylenes, chloroethane, and chlorobenzene. These VOCs were detected in the water samples at concentrations that did not exceed ICLs. In general, these data are consistent with data collected during the 2008 and 2009 operating season. However, methyl ethyl ketone (MEK) was detected in the water samples collected from MW-206(I) and SB-4D in April, May, and June 2010. MEK was not detected in water samples collected in 2008 and 2009. Analytical results are summarized in Tables 6A and 7A (2008 data), Tables 6B and 7B (2009 data), and Tables 6C and 7C (2010 data). Laboratory analytical reports for influent samples collected during this reporting period are presented in Appendix A. Influent concentrations of THF and benzene versus time for

the 2008, 2009, and 2010 pumping seasons are illustrated in the attached Figures 2A , 2B, and 2C (MW-206(I)) and Figures 3A, 3B, 3C (SB-4D).

THF and benzene data from each extraction well during individual pumping seasons were analyzed for statistical parameters, including; peak maximum concentration, peak minimum concentration, mean concentration, and median concentration. Statistical parameters are presented on Figures 2A, 2B, 2C, 3A, 3B, and 3C. The statistical parameters will be calculated for each pumping season and utilized to evaluate concentration trends over time.

ii. POTW Compliance Monitoring

Water samples were collected from the frac tank on a monthly basis to evaluate compliance with Dover POTW requirements. The water samples were analyzed for the parameters consistent with the Dover POTW monitoring requirements summarized in Table 1 of the 100 Percent Remedial Design Southern Plume MOM report. Analytical results are reported to the POTW operator as they become available. To date, the POTW operator has reviewed these data and additional analyses have not been requested. Analytical results are summarized in Table 8A (2008), Table 8B (2009), and Table 8C (2010). Laboratory analytical reports for frac tank samples collected during this reporting period are presented in Appendix A.

iii. Mass Removal Estimates

Water samples were collected on a bi-weekly basis during periods from the influent sample ports and submitted for VOC analyses (including THF). These analytical data were used to monitor constituent concentration trends over time and to estimate VOC mass removal to date. Calculations of mass removal were based upon the analytical data associated with bi-weekly VOC monitoring and the approximate volumes of extracted ground water based upon totalizer readings.

THF is the VOC that was detected at the highest concentrations in the influent water samples. The concentrations of THF in the influent water samples ranged from 1,100 to 3,700 ug/L. Other VOCs that were consistently detected in the water samples included benzene, toluene, ethylbenzene, xylenes, chloroethane, and chlorobenzene (2010; Tables 6C and 7C). These VOCs were detected in the water samples at concentrations that were typically 2 or more orders of magnitude lower than the THF concentrations. Consequently, THF represents the majority of VOC mass that has been removed by the GWE system.

Consistent with evaluations completed during the Pilot Study and the 2008 and 2009 pumping seasons, THF and benzene are the primary VOC constituents of concern (COCs) within the Southern Plume (i.e., the VOCs that have been detected in ground water at concentrations above applicable ICLs). Therefore, preliminary calculations of mass removal associated with the GWE system focused upon these two VOCs. These calculations indicate that approximately 2.8 pounds of THF and benzene (combined) were removed by operation of the GWE system during the reporting period (April 19 through July 31, 2010). Approximately 11.3 pounds of THF and benzene have been removed since initiation of the GWE system in 2008. THF represents over 98 percent of the mass removed.

Mass removal calculations associated with THF and benzene are summarized in Tables 9A (2008), 9B (2009), and 9C (2010) (modified from Table 5 of the 100 Percent Remedial Design Southern Plume MOM report). These mass removal calculations will be updated as the GWE system is operated during subsequent pumping seasons.

iv. Ground Water Monitoring

Between April 1 and April 5, 2010, a ground water sampling event was conducted to evaluate the "baseline" ground water conditions prior to GWE system start up. The ground water samples were collected from monitoring wells located upgradient, within, and downgradient of the Southern Plume MOM RA area. Wells included in the baseline monitoring event are summarized in Table 4 and include wells positioned in the US, UUI, and LUI stratigraphic units.

A quarterly performance monitoring event was conducted on July 20, 2010. The quarterly performance monitoring events are focused upon monitoring wells located within the portion of the Southern Plume MOM RA area that is expected to be most influenced by extraction well MW-206(I). Wells included in the focused ground water monitoring event are summarized in Table 4 and include wells located within the same stratigraphic unit as the pumping well. Tables summarizing baseline and quarterly performance monitoring ground water analytical results are included in Appendix B and laboratory analytical reports are included in Appendix A.

Data collected during baseline and quarterly performance monitoring events is used to evaluate system performance. An evaluation of this data will be presented in the April 2011 ARP Report.

D. DATA VALIDATION

i. Overview

Data validation was performed for laboratory analytical data sets prepared by Katahdin, RL, and their subcontractors in general accordance with the USEPA Region I – New England Data Validation Functional Guidelines and the project Quality Assurance Project Plan dated March 2005. Data validation included review of data collected between April 1, 2010 ("baseline" sampling event) and July 31, 2010 (the last day of the reporting period). The data set consisted of three general types of data, each with a set of Data Quality Objectives (DQOs). The level of data validation (i.e., Tier I or Tier II) performed on each type of data was determined by evaluating the measurement performance criterion (MPC) required to meet the DQOs. The data types are summarized below:

Data Type	DQOs	Analyses	Data Validation Level
Influent	• evaluate concentration trends • calculate mass removal	VOCs + THF	Tier I
Frac Tank	• evaluate POTW compliance	Full Suite	Tier I
Ground Water	• evaluate concentration trends – performance monitoring	VOCs + THF Metals	Tier II

Tier I validation included a review of the sample delivery group (SDG) data reports to evaluate components of the report compared to the Tier I checklist. Tier II included a review of quality assurance and quality control (QA/QC) information. QA/QC information evaluated for the laboratory analytical reports included:

- extraction and analytical methods;
- quantitation limits;
- laboratory holding times;
- trip, equipment, field, and method blank analyses;
- field duplicate samples;
- matrix spike/matrix spike duplicate analyses (MS/MSD);
- surrogate recovery data; and
- laboratory control sample/laboratory control sample duplicate analyses (LCS/LCSD).

In addition, data validation included a review of field sampling methods including; sample handling, storage, and preservation. Data validation and QA/QC checklists were completed for the 13 SDGs submitted for laboratory analysis. Copies of the summary sheets are attached in Appendix D-1.

Analytical data presented in summary tables were manually checked by comparing laboratory reports with tabulated data to identify and correct transcription errors.

ii. Data Validation Results

Field QA/QC

A review of field QA/QC documentation identified preservation issues associated with the influent and frac tank samples including elevated pH and/or elevated temperature. Water samples that had elevated pH, specifically a pH above two Standard Units, were accepted as usable data because the temperature and light protection criteria were met and the samples were analyzed within seven days (the holding time limit for unpreserved VOC samples). Samples with container temperatures outside the accepted range (4 ± 2 degrees Centigrade) were accepted as usable data because the affected samples were transported appropriately (in a cooler on ice), but were typically delivered to the laboratory before the sample material could be cooled to within the accepted temperature range.

The field QA/QC review also indicated that a trip blank sample was not listed on the chain of custody for SDG GEO-14 (April 2010 baseline sampling event). However, Katahdin noted that the trip blank sample was present in the sample cooler upon arrival at the laboratory. The trip

blank was added at the time of sample login, and analyzed as intended. Methylene chloride was detected in the trip blank sample submitted with SDG GEO-15 (July 2010 quarterly sampling event) at a low concentration (i.e., single digit ug/L). Therefore, methylene chloride detected in the associated samples was flagged as an estimate.

Blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs) were not typically submitted along with the influent and frac tank water sample SDGs because they were not identified as MPC for those data types.

Tier I

In general, Tier I review of laboratory reports indicated that the data packages were complete as compared to the Tier I checklist and were certified by the laboratory.

Tier II

In general, Tier II review of laboratory reports associated with baseline and quarterly performance ground water monitoring identified data to be usable for its intended purpose. Minor data quality issues that were identified during the review included; analytes detected in trip blank and LCS/LCSD and MS/MSD spike recoveries and RPDs outside the accepted limits.

In general, LCS/LCSD pairs met the QA acceptance criteria indicating that acceptable laboratory performance was achieved for the period during which the SDGs were analyzed. However, several LCS/LCSD pairs had one or more spiked analyte recovery outside the accepted range or one or more RPDs exceeding the acceptance criterion. However, results for analytes that exceeded the QA acceptance criterion but were identified as purge-limited compounds (Appendix D-2) or not constituents of concern (identified in the project QAPP) were accepted as reported.

MS/MSD analyses for VOCs were performed at a frequency of approximately five percent (1:20) of the total number of samples submitted for analysis. In general, the MS/MSD pairs were found to meet the QC acceptance criteria for spike recoveries, surrogate recoveries, and RPDs, indicating that acceptable analytical precision was achieved. However, the MS/MSD pair that was analyzed with SDG GEO-15 (July 2010 quarterly sampling event) had one analyte (THF) that was outside the QC acceptance criteria. THF was detected at elevated concentration in the source samples (i.e., greater than four times the spike concentration), and, consequently, the results were accepted as reported.

In general, the data sets met the DQOs and the analytical results were considered acceptable for their intended use. Please refer to the attached Data Validation and QA/QC Checklists (Appendix D-1) for additional details.

SUMMARY OF ATTACHMENTS

TABLES

TABLE 1	Summary of Pumping Periods
TABLE 2A	Summary of GWE System Operational History – 2007/2008
TABLE 2B	Summary of GWE System Operational History – 2009
TABLE 2C	Summary of GWE System Operational History – 2010
TABLE 3	Maintenance Tracking Log - 2010
TABLE 4	Matrix of Monitoring Activities
TABLE 5	Summary of Monitoring Well Gauging Data
TABLE 6A	Summary of Laboratory Analytical Data – Influent VOC Monitoring – MW-206(I) – 2008
TABLE 6B	Summary of Laboratory Analytical Data – Influent VOC Monitoring – MW-206(I) – 2009
TABLE 6C	Summary of Laboratory Analytical Data – Influent VOC Monitoring – MW-206(I) – 2010
TABLE 7A	Summary of Laboratory Analytical Data – Influent VOC Monitoring – SB-4D – 2008
TABLE 7B	Summary of Laboratory Analytical Data – Influent VOC Monitoring – SB-4D – 2009
TABLE 7C	Summary of Laboratory Analytical Data – Influent VOC Monitoring – SB-4D – 2010
TABLE 8A	Summary of Laboratory Analytical Data – Frac Tank with POTW Local Limits and Screening Levels – 2008
TABLE 8B	Summary of Laboratory Analytical Data – Frac Tank with POTW Local Limits and Screening Levels – 2009
TABLE 8C	Summary of Laboratory Analytical Data – Frac Tank with POTW Local Limits and Screening Levels – 2010
TABLE 9A	Mass Removal Calculations – 2008
TABLE 9B	Mass Removal Calculations – 2009
TABLE 9C	Mass Removal Calculations – 2010

FIGURES

FIGURE 1	Transducer Water Elevation Data (April 5, 2010 – July 31, 2010)
FIGURE 2A	Concentration Versus Time – MW-206(I) – 2008
FIGURE 2B	Concentration Versus Time – MW-206(I) – 2009
FIGURE 2C	Concentration Versus Time – MW-206(I) – 2010
FIGURE 3A	Concentration Versus Time – SB-4D – 2008
FIGURE 3B	Concentration Versus Time – SB-4D – 2009
FIGURE 3C	Concentration Versus Time – SB-4D – 2010

SUMMARY OF ATTACHMENTS (CONTINUED)

APPENDICES

APPENDIX A	Laboratory Analytical Data (On CD)
APPENDIX B	Performance Monitoring Well Analytical Data Tables
APPENDIX C	Concentration versus Time – Quarterly Performance Monitoring Wells
APPENDIX D-1	Data Validation and Quality Assurance/Quality Control Checklists (On CD)
APPENDIX D-2	Summary of Compounds with Poor Purging Efficiency

TABLES

TABLE 1
SUMMARY OF PUMPING PERIODS
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Pumping Period	Average System Flow Rate (gpm)	Wells Operating	Total Volume Extracted To Date (gallons)
Initial Pilot Test			
November 29 to December 1, 2007	1.3	MW-206(I) SB-4D	7,115
Pilot Test Period			
April 16 to April 19, 2008	2.2	MW-206(I) SB-4D	15,441
May 1 to May 5, 2008	2.4	MW-206(I) SB-4D	30,605
May 12 to June 10, 2008	0.7	MW-206(I)	56,342
June 13 to June 17, 2008	0.7	MW-206(I)	60,590
2008 Operating Season			
June 20 to July 15, 2008	1.3	SB-4D	104,782
July 15 to August 5, 2008	0.8	MW-206(I)	130,030
August 5 to November 11, 2008	1.4	MW-206(I) SB-4D	256,588
November 11 to November 25, 2008	1.4	SB-4D	264,588
2009 Operating Season			
April 29 to December 1, 2009	1.5*	MW-206(I) SB-4D	522,656
2010 Operating Season (To Date)			
April 19 to July 27, 2010	1.7*	MW-206(I) SB-4D	699,921

NOTES:
1. gpm = gallons per minute.
2. Average system flow rates were calculated using manual flow measurements collected throughout the specified pumping period. When more than one well was pumping, flow rates for the individual wells were added to calculate the total system flow rate.
3. * = Average flow rate during periods of system operation.

TABLE 2A
SUMMARY OF GWE SYSTEM OPERATIONAL HISTORY - 2007/2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

DATE	ACTIVITIES/NOTES	SAMPLES COLLECTED	SYSTEM OPERATING ON ARRIVAL	SYSTEM OPERATING ON DEPARTURE	PRESSURE AT REGULATOR SB-4D (PSI)	PRESSURE AT WELL SB-4D (PSI)	PRESSURE AT REGULATOR MW-206(I) (PSI)	PRESSURE AT WELL MW-206(I) (PSI)	APPROXIMATE FLOW RATE SB-4D (GPM)	APPROXIMATE FLOW RATE MW-206(I) (GPM)	TOTAL SYSTEM FLOW RATE (GPM)	WELL(S) PUMPING	APPROXIMATE VOLUME PUMPED TO DATE
INITIAL SYSTEM START UP													
11/29/07	CAB, KEZ on-site to start up system	NO	NO	YES	60	---	60	---	0.88	0.27	1.14	SB-4D/MW-206(I)	
					80	---	90	---	0.87	NR	0.87	SB-4D/MW-206(I)	---
					80	---	120	---	0.87	NR	0.87	SB-4D/MW-206(I)	
11/30/07	KEZ, RSE on-site to check system and work on MW-206	NO	YES	YES	80	---	120	---	1.00	1.25	2.25	SB-4D/MW-206(I)	2,549
12/1/07	BPP on-site for system inspection	NO	YES	YES	80	---	120	---	NR	NR	NR	SB-4D/MW-206(I)	5,628
12/2/07	BPP on-site for system inspection - system on but not pumping	NO	YES	YES	81	---	120	---	0.00 (Frozen)	0.00 (Frozen)	0.00	---	7,115
12/3/07	KEZ and WMC on-site to shut down system for winter and collect sample from frac tank	FRAC TANK	YES	NO	NR	---	NR	---	0.00 (Frozen)	0.00 (Frozen)	0.00	---	7,115
12/6/07	KEZ on-site to check system and frac tank	NO	NO	NO	NR	---	NR	---	---	---	---	---	7,115
PILOT TEST													
04/16/08	CAB, KEZ on-site for seasonal pump install and system start up, gauge wells	NO	NO	YES	100	---	100	---	1.25	1.00	2.25	SB-4D/MW-206(I)	7,434
04/17/08	KDT on-site for system O&M	NO	YES	YES	100	---	100	---	1.30	0.80	2.10	SB-4D/MW-206(I)	9,812
04/18/08	WMC, KEZ on-site for system O&M	FRAC TANK	YES	YES	100	---	100	---	1.40	0.80	2.20	SB-4D/MW-206(I)	13,232
04/19/08	BPP on-site for system O&M, frac tank full, shut down system	NO	NO	NO	---	---	---	---	---	---	---	NONE	15,441
04/29/08	KEZ, BPP, JRF on-site for water transfer	NO	NO	NO	---	---	---	---	---	---	---	NONE	15,441
04/30/08	JRF, BPP on-site for water transfer and make repairs/upgrades to system	NO	NO	NO	---	---	---	---	---	---	---	NONE	15,441
05/01/08	BPP on-site to restart system and O&M	NO	NO	YES	120	---	100	---	1.50	1.00	2.50	SB-4D/MW-206(I)	15,441
05/05/08	KEZ, WMC on-site for system O&M, shut down system, install four new transducers	FRAC TANK	YES	NO	100	---	110	---	1.50	0.75	2.25	SB-4D/MW-206(I)	30,605
05/09/08	BPP on-site for system shut down and water transfer	NO	NO	NO	---	---	---	---	---	---	---	NONE	30,605
05/12/08	KEZ on-site to restart system, system O&M, and water transfer	INFLUENT	NO	YES	---	---	110	---	---	0.88	0.88	MW-206(I)	30,605
05/20/08	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	---	---	110	---	---	0.75	0.75	MW-206(I)	36,020
05/27/08	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	---	---	117	---	---	0.50	0.50	MW-206(I)	42,626
06/04/08	KEZ on-site for system O&M and water transfer	INFLUENT	YES	YES	---	---	115	---	---	0.65	0.65	MW-206(I)	49,592
06/10/08	BPP on-site for system O&M, gauging, and system shut down	INFLUENT/FRAC TANK	YES	NO	---	---	110	---	---	0.75	0.75	MW-206(I)	56,342
06/13/08	BPP on-site for system O&M and restart system	NO	NO	YES	---	---	120	---	---	0.75	0.75	MW-206(I)	56,342
06/17/08	KEZ on-site for system O&M, system shut down, and download transducers	INFLUENT	YES	NO	---	---	110	---	---	0.70	0.70	MW-206(I)	60,590
2008 OPERATING SEASON													
06/20/08	BPP on-site for system O&M and restart system	NO	NO	YES	100	---	---	---	1.25	---	1.25	SB-4D	64,816
06/25/08	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	98	---	---	---	1.25	---	1.25	SB-4D	73,816
07/01/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	SB-4D	82,816
07/02/08	KEZ on-site for system O&M and downloading transducers	INFLUENT	YES	YES	98	---	---	---	1.25	---	1.25	SB-4D	82,816
07/03/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	SB-4D	88,816
07/08/08	BPP on-site for system O&M, water transfer, and well gauging	INFLUENT	YES	YES	98	---	---	---	1.25	---	1.25	SB-4D	95,782
07/15/08	BPP on-site for system O&M and water transfer	INFLUENT/FRAC TANK	YES	YES	98	---	---	---	1.00	---	1.00	SB-4D	104,782
07/22/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	MW-206(I)	113,782
07/23/08	BPP on-site for system O&M	INFLUENT	YES	YES	---	---	106	---	---	0.50	0.50	MW-206(I)	109,030
07/29/08	BPP on-site for system O&M and water transfer, took photos of system	INFLUENT	YES	YES	---	---	116	---	---	0.75	0.75	MW-206(I)	115,030
08/05/08	BPP on-site for system O&M, water transfer, and compressor maintenance	INFLUENT	YES	YES	---	---	116	---	---	0.75	0.75	MW-206(I)	121,030
08/12/08	BPP on-site for system O&M, water transfer, gauging, and compressor maintenance	INFLUENT/FRAC TANK	YES	YES	100	---	117	---	0.75	0.50	1.25	SB-4D/MW-206(I)	127,030
08/19/08	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	100	---	119	---	0.25	0.50	0.75	SB-4D/MW-206(I)	136,030
08/26/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	SB-4D/MW-206(I)	145,030
09/02/08	KEZ on-site for system O&M, water transfer, and download transducers	INFLUENT	NO	YES	100	---	115	---	0.90	0.70	1.60	SB-4D/MW-206(I)	153,781
09/05/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	SB-4D/MW-206(I)	162,781
09/09/08	BPP on-site for system O&M, water transfer, and clean/repair pump in MW-206I	INFLUENT	YES	YES	98	---	117	---	0.75	0.75	1.50	SB-4D/MW-206(I)	166,881
09/16/08	BPP on-site for system O&M, water transfer, and gauging	INFLUENT/FRAC TANK	YES	YES	98	---	117	---	0.75	0.50	1.25	SB-4D/MW-206(I)	175,801
09/23/08	BPP on-site for system O&M, water transfer, compressor maintenance, and clean/repair pumps.	INFLUENT	NO	YES	98	---	118	---	1.00	0.75	1.75	SB-4D/MW-206(I)	181,801
09/30/08	BPP on-site for system O&M, water transfer, and clean/repair pump in SB-4D	INFLUENT	YES	YES	98	---	117	---	1.00	0.50	1.50	SB-4D/MW-206(I)	189,101
10/07/08	BPP on-site for system O&M and water transfer	INFLUENT/FRAC TANK	YES	YES	102	---	117	---	0.75	0.67	1.42	SB-4D/MW-206(I)	196,088
10/14/08	BPP on-site for system O&M, water transfer, clean/repairs to both pumps	INFLUENT	NO	YES	102	---	117	---	1.00	0.75	1.75	SB-4D/MW-206(I)	204,088
10/21/08	BPP on-site for system O&M, water transfer, gauging, and clean/repairs to both pumps	INFLUENT	YES	YES	102	---	117	---	0.75	0.50	1.25	SB-4D/MW-206(I)	213,088
10/22/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	SB-4D/MW-206(I)	220,588
10/27/08	BPP on-site for system O&M and clean/repair pump in MW-206I	INFLUENT	YES	YES	102	---	117	---	0.75	0.67	1.42	SB-4D/MW-206(I)	220,588
10/28/08	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	SB-4D/MW-206(I)	229,588
11/04/08	BPP on-site for system O&M, water transfer, and clean/repair pump in MW-206I	INFLUENT	YES	YES	102	---	117	---	1.00	0.75	1.75	SB-4D/MW-206(I)	238,588
11/11/08	BPP on-site for system O&M and clean/repair pump in SB-4D	INFLUENT/FRAC TANK	YES	YES	102	---	117	---	1.00	0.75	1.75	SB-4D/MW-206(I)	247,588
11/18/08	BPP on-site for system O&M, water transfer, and clean/repair pump in MW-206I	INFLUENT	YES	YES	102	---	117	---	1.00	0.00	1.00	SB-4D	256,588
11/25/08	BPP on-site for system O&M, water transfer, and seasonal system shutdown	NO	YES	NO	102	---	---	---	---	---	---	NONE	264,588

NOTES:
1. --- = not recorded or not applicable.
2. psi = pounds per square inch.
3. gpm = gallons per minute.
4. BPP = Brian Poulin, primary system operator; KEZ = Kristin Zeman, system operator; RSE = Renee Egerton, system operator; WMC = Wes Court, system operator; JRF = Joshua Funk, system operator.
5. CHES = Clean Harbors Environmental Services.

TABLE 2B
SUMMARY OF GWE SYSTEM OPERATIONAL HISTORY - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

DATE	ACTIVITIES/NOTES	SAMPLES COLLECTED	SYSTEM OPERATING ON ARRIVAL	SYSTEM OPERATING ON DEPARTURE	PRESSURE AT REGULATOR SB-4D (PSI)	PRESSURE AT WELL SB-4D (PSI)	PRESSURE AT REGULATOR MW-206(I) (PSI)	PRESSURE AT WELL MW-206(I) (PSI)	APPROXIMATE FLOW RATE SB-4D (GPM)	APPROXIMATE FLOW RATE MW-206(I) (GPM)	TOTAL SYSTEM FLOW RATE (GPM)	WELL(S) PUMPING	APPROXIMATE VOLUME PUMPED TO DATE
05/05/09	CHES on-site for water transfer	---	---	---	---	---	---	---	---	---	---	SB-4D/MW-206(I)	273,588
05/07/09	BPP on-site for system O&M, clean MW-206I totalizer.	INFLUENT/FRAC TANK	YES	YES	102	100	112	110	0.90	1.00	1.90	SB-4D/MW-206(I)	273,588
05/12/09	BPP on-site for system O&M, water transfer	INFLUENT	NO	YES	101	101	118	118	1.20	0.90	2.10	SB-4D/MW-206(I)	282,588
05/14/09	CAM on-site for system O&M, water transfer	NO	YES	YES	---	---	---	---	---	---	---	SB-4D/MW-206(I)	285,588
05/19/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	---	118	---	1.00	0.80	1.80	SB-4D/MW-206(I)	294,588
05/26/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	100	102	99	0.90	0.80	1.70	SB-4D/MW-206(I)	303,588
06/02/09	BPP on-site for system O&M, water transfer	INFLUENT/FRAC TANK	YES	YES	102	101	104	102	0.85	0.90	1.80	SB-4D/MW-206(I)	312,588
06/09/09	BPP on-site for system O&M, water transfer	INFLUENT	NO	YES	102	102	104	102	0.90	0.90	1.80	SB-4D/MW-206(I)	321,588
06/16/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	101	102	102	0.90	0.90	1.80	SB-4D/MW-206(I)	330,588
06/23/09	CHES on-site for water transfer	---	---	---	---	---	---	---	---	---	---	---	339,588
06/25/09	BPP on-site for system O&M	NO	NO	YES	102	101	102	101	0.80	0.70	1.50	SB-4D/MW-206(I)	339,588
06/30/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	101	102	101	0.80	0.80	1.60	SB-4D/MW-206(I)	346,588
07/07/09	BPP on-site for system O&M, water transfer, new pump installed in MW-206I	INFLUENT/FRAC TANK	YES	YES	102	101	102	101	0.80	0.70	1.50	SB-4D/MW-206(I)	355,588
07/10/09	CHES on site for water transfer	---	---	---	---	---	---	---	---	---	---	---	364,588
07/14/09	BPP on-site for system O&M, clean totalizers	INFLUENT	YES	NO	102	100	102	101	0.80	0.80	1.60	SB-4D/MW-206(I)	365,256
07/20/09	BPP on-site for system O&M, clean totalizers	NO	YES	YES	102	101	102	101	0.80	0.70	1.50	SB-4D/MW-206(I)	365,256
7/21/109	CHES on site for water transfer	---	---	---	---	---	---	---	---	---	---	---	372,756
07/28/09	BPP on-site for system O&M, replace frac tank valve	NO	YES	YES	102	101	102	100	1.00	1.00	2.00	SB-4D/MW-206(I)	387,756
08/04/09	BPP on-site for system O&M	INFLUENT/FRAC TANK	NO	YES	102	100	102	101	0.90	0.75	1.65	SB-4D/MW-206(I)	402,556
08/07/09	CHES on-site for water transfer	---	---	---	---	---	---	---	---	---	---	---	408,556
08/11/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	100	102	101	0.80	0.80	1.60	SB-4D/MW-206(I)	412,556
08/17/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	101	102	101	0.80	0.75	1.55	SB-4D/MW-206(I)	423,556
08/21/09	CHES on-site for water transfer	---	---	---	---	---	---	---	---	---	---	---	426,556
08/25/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	101	102	101	0.80	0.75	1.55	SB-4D/MW-206(I)	434,056
09/01/09	KEZ/SJL on-site for system O&M, water transfer	INFLUENT	YES	YES	101	102	102	101	---	0.88	0.88	MW-206(I)	442,056
09/08/09	BPP on-site for system O&M, water transfer	INFLUENT/FRAC TANK	YES	YES	---	101	102	101	---	0.70	0.70	MW-206(I)	449,056
09/14/09	CHES on-site for water transfer	---	---	---	---	---	---	---	---	---	---	---	458,056
09/15/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	110	109	102	101	---	0.80	0.80	MW-206(I)	458,056
09/22/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	---	---	102	102	---	0.75	0.75	MW-206(I)	468,556
09/29/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	110	110	---	---	---	---	---	SB-4D	471,556
10/06/09	BPP on-site for system O&M, water transfer	INFLUENT/FRAC TANK	YES	YES	110	110	102	101	---	0.85	0.85	MW-206(I)	483,556
10/13/09	BPP on-site for system O&M, water transfer	NO	NO	NO	---	---	---	---	---	---	---	---	484,656
10/16/09	BPP on-site for system repairs	NO	NO	NO	---	---	---	---	---	---	---	---	484,656
10/20/09	BPP on-site for system repairs	NO	NO	NO	---	---	---	---	---	---	---	---	484,656
10/27/09	BPP on-site for system repairs	INFLUENT	NO	YES	---	---	---	---	---	---	---	---	484,656
11/03/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	110	110	---	---	1.00	---	1.00	SB-4D	499,656
11/09/09	BPP on-site for system O&M, water transfer	INFLUENT/FRAC TANK	YES	YES	---	---	102	101	---	0.80	0.80	MW-206(I)	502,656
11/17/09	BPP on-site for system O&M, water transfer	INFLUENT	NO	YES	---	---	---	---	---	---	---	---	505,656
11/24/09	BPP on-site for system O&M, water transfer	INFLUENT	YES	YES	102	102	102	102	1.00	0.90	1.90	SB-4D/MW-206(I)	516,156
12/01/09	BPP/KEZ on-site for O&M, water transfer, and seasonal shutdown	NO	YES	NO	102	---	102	101	---	---	---	SB-4D/MW-206(I)	522,656

NOTES:
1. --- = not recorded or not applicable.
2. psi = pounds per square inch.
3. gpm = gallons per minute.
4. BPP = Brian Poulin, primary system operator; CAM = Cory Mahony, system operator; KEZ = Kristin Zeman, system operator; SJL = Shauna Little, system operator.
5. CHES = Clean Harbors Environmental Services.

TABLE 2C
SUMMARY OF GWE SYSTEM OPERATIONAL HISTORY - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

DATE	ACTIVITIES/NOTES	SAMPLES COLLECTED	SYSTEM OPERATING ON ARRIVAL	SYSTEM OPERATING ON DEPARTURE	PRESSURE AT REGULATOR SB-4D (PSI)	PRESSURE AT WELL SB-4D (PSI)	PRESSURE AT REGULATOR MW-206(I) (PSI)	PRESSURE AT WELL MW-206(I) (PSI)	APPROXIMATE FLOW RATE SB-4D (GPM)	APPROXIMATE FLOW RATE MW-206(I) (GPM)	TOTAL SYSTEM FLOW RATE (GPM)	WELL(S) PUMPING AT ARRIVAL	TOTALIZER READING SB-4D (GALLONS)	TOTALIZER READING MW-206(I) (GALLONS)	APPROXIMATE VOLUME PUMPED TO DATE
04/19/10	BPP on-site for system startup	NO	NO	YES	102	---	100	---	0.9	1.0	1.9	SB-4D/MW-206(I)	27	165	522,848
04/22/10	KEZ on-site for system O&M and water transfer	NO	YES	YES	102	100	102	---	0.7	1.1	1.8	SB-4D/MW-206(I)	3033	5096	530,785
04/27/10	KEZ on-site for system O&M and water transfer	INFLUENT/FRAC TANK	YES	YES	102	---	102	---	0.8	1.2	2.0	SB-4D/MW-206(I)	7980	13238	543,874
04/29/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	543,874
05/04/10	CAM, SJL on-site for system O&M and water transfer	INFLUENT	YES	YES	---	---	---	90	0.8	0.8	1.6	SB-4D/MW-206(I)	14848	24107	561,611
05/10/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	561,611
05/11/10	BPP on-site for system O&M and water transfer	FRAC TANK	YES	YES	102	100	102	---	0.7	1.0	1.7	MW-206(I)	19045	34218	575,919
05/18/10	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	102	---	102	---	0.7	0.9	1.6	MW-206(I)	23954	44246	590,856
05/25/10	BPP on-site for system O&M	NO	YES	YES	102	---	102	---	0.8	1.0	1.8	MW-206(I)	27442	53938	604,036
05/26/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	604,036
06/01/10	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	102	---	102	---	1.0	0.8	1.8	SB-4D/MW-206(I)	34471	61741	618,868
06/08/10	BPP on-site for system O&M and water transfer	FRAC TANK	YES	YES	102	---	102	---	0.7	0.9	1.6	SB-4D	41720	68187	632,563
06/15/10	BPP, JRF on-site for system O&M and water transfer	INFLUENT	YES	YES	102	---	102	---	0.8	0.7	1.5	MW-206(I)	43959	76010	642,625
06/18/10	BPP on-site for system O&M	NO	YES	YES	102	---	102	---	0.7	0.8	1.5	SB-4D	46553	77612	646,821
06/22/10	BPP on-site for system O&M and water transfer	NO	YES	YES	102	---	102	---	0.9	0.7	1.6	SB-4D	46880	79035	648,571
06/28/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	648,571
06/29/10	BPP on-site for system O&M	INFLUENT	YES	YES	102	---	102	---	0.8	0.8	1.6	SB-4D	52925	82122	657,166*
07/01/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	657,166
07/06/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	657,166
07/07/10	BPP on-site for system O&M	NO	YES	YES	102	---	102	---	0.7	0.9	1.6	MW-206(I)	55243	91607	668,969
07/12/10	BPP on-site for system O&M	INFLUENT/FRAC TANK	YES	YES	102	---	102	---	0.8	0.9	1.7	MW-206(I)	57502	97076	676,697
07/13/10	CHES on-site for water transfer	NO	---	---	---	---	---	---	---	---	---	---	---	---	676,697
07/20/10	BPP on-site for system O&M and water transfer	NO	YES	YES	102	---	102	---	0.7	0.8	1.5	SB-4D/MW-206(I)	65633	104710	692,462
07/27/10	BPP on-site for system O&M and water transfer	INFLUENT	YES	YES	102	---	102	---	0.8	0.7	1.5	MW-206(I)	66609	111193	699,921

NOTES:
1. --- = not recorded or not applicable.
2. psi = pounds per square inch.
3. gpm = gallons per minute.
4. BPP = Brian Poulin, primary system operator; CAM = Cory Mahony, system operator; KEZ = Kristin Zeman, system operator; SJL = Shauna Little, system operator.
5. CHES = Clean Harbors Environmental Services.
6. * = Volume does not include 537 gallons of water pumped through the SB-4D totalizer as part of site activities not associated with the Southern Plume ground water extraction system..

TABLE 3
MAINTENANCE TRACKING LOG - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

DATE	FIELD STAFF	MAINTENANCE PERFORMED	NOTES	SYSTEM AT ARRIVAL (ON/OFF)	SYSTEM AT DEPARTURE (ON/OFF)
04/16/10	BPP	Installed new system connections.	New system setup in place, new totalizers operating.	OFF	ON
05/11/10	BPP	Pulled and cleaned pump in SB-4D. Clear SB-4D return line with compressed air.	Iron/sediment buildup observed in pump. Pump in SB-4D operating at departure.	ON (SB-4D OFF)	ON
05/18/10	BPP	Pulled and cleaned pump in SB-4D. Clear SB-4D return line with compressed air.	Iron/sediment buildup observed in pump. Pump in SB-4D operating at departure. Water return line was blocked.	ON (SB-4D OFF)	ON
05/25/10	BPP	Pulled and cleaned pump in SB-4D. Clear SB-4D return line with compressed air. Adjusted pump.	Iron/sediment buildup observed in pump. Pump in SB-4D operating at departure. Water return line was blocked.	ON (SB-4D OFF)	ON
06/01/10	BPP	---	System appears to be operating properly. Maintenance not performed.	ON	ON
06/08/10	BPP	Pulled and cleaned pump in MW-206(I). Drained MW-206(I) air line.	Iron/sediment buildup observed in pump. Pump in MW-206(I) operating at departure.	ON (MW-206(I) OFF)	ON
06/15/10	BPP	Pulled and cleaned pump in SB-4D.	Iron/sediment buildup observed in pump. Pump in SB-4D operating at departure.	ON (SB-4D OFF)	ON
06/22/10	BPP	Pulled and cleaned pump in MW-206(I). Clear MW-206(I) return line with compressed air.	Iron/sediment buildup observed in pump. Pump in MW-206(I) operating at departure.	ON (MW-206(I) OFF)	ON
06/29/10	BPP	Pulled and cleaned pump in MW-206(I). Clear MW-206(I) return line with compressed air.	Iron/sediment buildup observed in pump. Pump in MW-206(I) operating at departure.	ON (MW-206(I) OFF)	ON
07/07/10	BPP	Pulled and cleaned pumps in MW-206(I) and SB-4D. Clear MW-206(I) and SB-4D return lines with compressed air.	Iron/sediment buildup observed in pump. Replaced SB-4D pump with clean pump, cleaned other pump. Pump in SB-4D operating at departure.	ON (SB-4D OFF)	ON
7/12/2010	BPP	Pulled and cleaned pump in SB-4D. Changed compressor oil.	Iron/sediment buildup observed in pump. Replaced SB-4D pump with clean pump, cleaned other pump. Pump in SB-4D operating at departure.	ON (SB-4D OFF)	ON
7/20/2010	BPP	---	System appears to be operating properly. Maintenance not performed.	ON	ON
7/27/2010	BPP	Fixed kink at SB-4D.	Pump in SB-4D operating at departure.	ON (SB-4D OFF)	ON

NOTES:
1. BPP = Brian Poulin; GWE primary system operator.
2. --- = System maintenance activities not conducted.

TABLE 4
MATRIX OF MONITORING ACTIVITIES
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

		HYDRAULIC MONITORING		GROUND WATER QUALITY MONITORING			
WELL ID	STRATIGRAPHIC UNIT	COMPREHENSIVE BASELINE GAUGING	CONTINUOUS HYDRAULIC INFLUENCE MONITORING	ANNUAL BASELINE SAMPLING (APRIL)	QUARTERLY REMEDY PERFORMANCE MONITORING		
					JULY	OCTOBER	DECEMBER
Existing Monitoring Wells							
MW-206(I)	UUI	X	X				
PT-1	LUI	X	X				
PT-2	LUI	X					
PT-3	LUI	X					
SB-B1(S)	US	X		X			
SB-B2(I)	UUI	X	X	X	X	X	X
SB-B3(D)	LUI	X		X			
B-10WT	US	X	X				
MW-200(S)	US	X		X			
MW-200(I)	UUI	X	X	X	X	X	X
MW-200(D)	LUI	X		X			
SB-10I	UUI	X		X			
SB-10D	LUI	X					
SB-D1	US	X		X			
SB-D2	UUI	X		X			
SB-D3I	UUI	X	X	X*			
SB-4D	UUI	X					
SC-10US	US	X					
SC-10UUI	UUI	X					
SC-10LUI	LUI	X					
SC-11US	US	X					
SC-11UUI	UUI	X					
SC-18US	US	X					
SC-18UUI	UUI	X					
B-4WT	US	X					
SB-8U	UUI	X					
SB-8D	LUI	X					
SB-A1	US	X					
SB-A2	US	X					
MW-201(S)	US	X					
MW-201(I)	UUI	X					
MW-201(D)	LUI	X					
MW-202(S)	US	X					
MW-203(S)	US	X					
MW-204(S)	US	X					
MW-204(IA)	UUI	X	X	X*			
MW-204(IB)	UUI	X					
MW-204(D)	LUI	X					
MW-205(I)	UUI	X					
SC-8US	US	X					
SC-8UUI	UUI	X					
SC-8LUI	LUI	X					
SB-C1	US	X					
SB-C2	UUI	X					
B-8WT	US	X					
MW-102S	US	X					
MW-102U	UUI	X					
Performance Monitoring Wells							
MW-206(S)	US	X	X	X*			
MW-207(I)	UUI	X	X	X	X	X	X
MW-208(S)	US	X	X	X			
MW-208(I)	UUI	X	X	X	X	X	X
MW-209(I)	UUI	X	X	X	X	X	X

NOTE: * = Pressure transducers were not installed in monitoring wells SB-D3I, MW-204(IA), and MW-206(S) during the 2010 season.

TABLE 5
SUMMARY OF MONITORING WELL GAUGING DATA
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

ID	DATE	ELEVATION (TOP OF PVC)	DEPTH TO WATER	GW ELEVATION
B-10WT	4/16/2009	146.21	1.89	144.32
	10/6/2009	146.21	3.12	143.09
	3/26/2010	146.21	1.82	144.39
B-4WT	4/16/2009	150.98	4.34	146.64
	10/6/2009	150.98	4.44	146.54
	3/26/2010	150.98	4.16	146.82
B-8WT	4/16/2009	147.41	2.52	144.89
	10/6/2009	147.41	3.82	143.59
	3/26/2010	147.41	2.28	145.13
MW-102S	4/16/2009	143.99	---	---
	10/6/2009	143.99	4.99	139.00
	3/26/2010	143.99	3.55	140.44
MW-102U	4/16/2009	142.16	2.21	139.95
	10/6/2009	142.16	2.71	139.45
	3/26/2010	142.16	2.53	139.63
MW-200(S)	4/16/2009	146.53	2.41	144.12
	10/6/2009	146.53	2.71	143.82
	3/26/2010	146.53	2.26	144.27
MW-200(I)	4/16/2009	145.62	---	---
	10/6/2009	147.90*	2.97	144.93
	3/26/2010	147.90*	2.01	145.89
MW-200(D)	4/16/2009	145.76	1.00	144.76
	10/6/2009	145.76	1.84	143.92
	3/26/2010	145.76	0.70	145.06
MW-201(S)	4/16/2009	145.69	2.80	142.89
	10/6/2009	145.69	3.86	141.83
	3/26/2010	145.69	2.67	143.02
MW-201(I)	4/16/2009	145.99	1.21	144.78
	10/6/2009	145.99	2.14	143.85
	3/26/2010	145.99	1.10	144.89
MW-201(D)	4/16/2009	145.83	2.27	143.56
	10/6/2009	145.83	3.10	142.73
	3/26/2010	145.83	2.00	143.83
MW-202(S)	4/16/2009	142.60	2.33	140.27
	10/6/2009	142.60	2.13	140.47
	3/26/2010	142.60	2.20	140.40
MW-203(S)	4/16/2009	145.73	5.20	140.53
	10/6/2009	145.73	5.78	139.95
	3/26/2010	145.73	4.43	141.30
MW-204(S)	4/16/2009	145.42	2.51	142.91
	10/6/2009	145.42	3.36	142.06
	3/26/2010	145.42	2.54	142.88
MW-204(IA)	4/16/2009	145.85	2.98	142.87
	10/6/2009	145.85	3.73	142.12
	3/26/2010	145.85	2.82	143.03
MW-204(IB)	4/16/2009	145.41	1.60	143.81
	10/6/2009	145.41	2.11	143.30
	3/26/2010	145.41	1.34	144.07
MW-204(D)	4/16/2009	145.69	2.26	143.43
	10/6/2009	145.69	3.00	142.69
	3/26/2010	145.69	1.88	143.81
MW-205(I)	4/16/2009	147.17	4.35	142.82
	10/6/2009	147.17	4.59	142.58
	3/26/2010	147.17	4.11	143.06
MW-206(S)	4/16/2009	149.40	4.76	144.64
	10/6/2009	149.40	4.88	144.52
	3/26/2010	149.40	4.62	144.78

TABLE 5
SUMMARY OF MONITORING WELL GAUGING DATA
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

ID	DATE	ELEVATION (TOP OF PVC)	DEPTH TO WATER	GW ELEVATION
MW-206(I)	4/16/2009	149.03	2.55	146.48
	10/6/2009	149.03	6.16	142.87
	3/26/2010	149.03	2.21	146.82
MW-207(I)	4/16/2009	146.97	0.34	146.63
	10/6/2009	146.97	1.73	145.24
	3/26/2010	146.97	0.15	146.82
MW-208(S)	4/16/2009	147.11	2.50	144.61
	10/6/2009	147.11	2.66	144.45
	3/26/2010	147.11	2.47	144.64
MW-208(I)	4/16/2009	147.29	0.67	146.62
	10/6/2009	147.29	1.97	145.32
	3/26/2010	147.29	0.41	146.88
MW-209(I)	4/16/2009	147.39	0.81	146.58
	10/6/2009	147.39	1.85	145.54
	3/26/2010	147.39	0.50	146.89
PT-1	4/16/2009	148.51	2.75	145.76
	10/6/2009	148.51	3.61	144.90
	3/26/2010	148.51	2.35	146.16
PT-2	4/16/2009	148.39	2.60	145.79
	10/6/2009	148.39	3.47	144.92
	3/26/2010	148.39	2.22	146.17
PT-3	4/16/2009	149.39	3.51	145.88
	10/6/2009	149.39	4.39	145.00
	3/26/2010	149.39	3.35	146.04
SB-10I	4/16/2009	147.96	2.29	145.67
	10/6/2009	147.96	2.64	145.32
	3/26/2010	147.96	2.18	145.78
SB-10D	4/16/2009	148.35	2.41	145.94
	10/6/2009	148.35	3.17	145.18
	3/26/2010	148.35	2.14	146.21
SB-4D	4/16/2009	150.51	2.69	147.82
	10/6/2009	150.51	---	---
	3/26/2010	150.51	2.38	148.13
SB-8U	4/16/2009	148.66	3.07	145.59
	10/6/2009	148.66	3.33	145.33
	3/26/2010	148.66	2.74	145.92
SB-8D	4/16/2009	148.50	3.37	145.13
	10/6/2009	148.50	2.31	146.19
	3/26/2010	148.50	1.26	147.24
SB-A1	4/16/2009	151.31	3.95	147.36
	10/6/2009	151.31	4.22	147.09
	3/26/2010	151.31	3.74	147.57
SB-A2	4/16/2009	151.08	3.69	147.39
	10/6/2009	151.08	3.96	147.12
	3/26/2010	151.08	3.48	147.60
SB-B1 (S)	4/16/2009	148.52	4.23	144.29
	10/6/2009	148.52	4.43	144.09
	3/26/2010	148.52	4.11	144.41
SB-B2 (I)	4/16/2009	148.21	1.67	146.54
	10/6/2009	148.21	2.88	145.33
	3/26/2010	148.21	1.40	146.81
SB-B3 (D)	4/16/2009	148.53	2.44	146.09
	10/6/2009	148.53	3.34	145.19
	3/26/2010	148.53	2.04	146.49
SB-C1	4/16/2009	148.15	3.82	144.33
	10/6/2009	148.15	5.74	142.41
	3/26/2010	148.15	3.52	144.63

TABLE 5
SUMMARY OF MONITORING WELL GAUGING DATA
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

ID	DATE	ELEVATION (TOP OF PVC)	DEPTH TO WATER	GW ELEVATION
SB-C2	4/16/2009	147.88	3.12	144.76
	10/6/2009	147.88	3.87	144.01
	3/26/2010	147.88	2.64	145.24
SB-D1	4/16/2009	148.03	4.13	143.90
	10/6/2009	148.03	4.63	143.40
	3/26/2010	148.03	4.00	144.03
SB-D3(I)	4/16/2009	147.57	2.34	145.23
	10/6/2009	147.57	2.90	144.67
	3/26/2010	147.57	2.05	145.52
SB-D2	4/16/2009	147.91	3.09	144.82
	10/6/2009	147.91	3.89	144.02
	3/26/2010	147.91	2.69	145.22
SC-8US	4/16/2009	150.08	5.18	144.90
	10/6/2009	150.08	5.52	144.56
	3/26/2010	150.08	4.78	145.30
SC-8UUI	4/16/2009	150.07	4.30	145.77
	10/6/2009	150.07	2.43	147.64
	3/26/2010	150.07	4.10	145.97
SC-8LUI	4/16/2009	150.20	4.62	145.58
	10/6/2009	150.20	2.80	147.40
	3/26/2010	150.20	3.90	146.30
SC-10US	4/16/2009	150.09	4.06	146.03
	10/6/2009	150.09	4.42	145.67
	3/26/2010	150.09	3.77	146.32
SC-10UUI	4/16/2009	149.15	2.15	147.00
	10/6/2009	149.15	2.97	146.18
	3/26/2010	149.15	1.80	147.35
SC-10LUI	4/16/2009	149.49	2.65	146.84
	10/6/2009	149.49	3.73	145.76
	3/26/2010	149.49	2.21	147.28
SC-11US	4/16/2009	150.75	3.92	146.83
	10/6/2009	150.75	4.16	146.59
	3/26/2010	150.75	3.81	146.94
SC-11UUI	4/16/2009	150.25	2.55	147.70
	10/6/2009	150.25	3.23	147.02
	3/26/2010	150.25	2.23	148.02
SC-18US	4/16/2009	149.78	3.79	145.99
	10/6/2009	149.78	4.19	145.59
	3/26/2010	149.78	3.58	146.20
SC-18UUI	4/16/2009	149.64	2.91	146.73
	10/6/2009	149.64	3.67	145.97
	3/26/2010	149.64	2.55	147.09

NOTES:
1. Depth to water measured in feet.
2. Well elevation referenced to North American Vertical Datum of 1988 (NAVD 88).
3. * = Top of casing raised on June 15, 2009.
4. --- = Well was not gauged.

TABLE 6A
SUMMARY OF LABORATORY ANALYTICAL DATA
INFLUENT VOC MONITORING - MW-206(I) - 2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Constituent	POTW Screening Levels	12-May-08	20-May-08	27-May-08	4-Jun-08	10-Jun-08	17-Jun-08	23-Jul-08	29-Jul-08	5-Aug-08	13-Aug-08	19-Aug-08	2-Sep-08	9-Sep-08	16-Sep-08	23-Sep-08	30-Sep-08	7-Oct-08	14-Oct-08	21-Oct-08	27-Oct-08	4-Nov-08	11-Nov-08
benzene	N/A	**29**	**37**	**19**	**20**	**22**	**56**	**22**	**21**	**19**	**23**	**28**	**27**	**26**	**23**	**23**	**23**	**45**	**26**	**23**	**25**	**25**	**19**
ethylbenzene	**1,590**	**23**	**33**	**21**	**21**	**23**	**53**	**23**	**24**	**21**	**26**	**26**	**28**	**28**	**26**	**27**	**27**	**41**	**25**	**25**	**26**	**25**	**19**
toluene	**1,350**	**4**	<10	**2**	**3**	<10	<10	**3**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	<10	**3**	**2**	**3**	**3**	**2**
xylenes (total)	N/A	**63**	**77**	**45**	**47**	**50**	**122**	**52**	**53**	**48**	**59**	**67**	**72**	**72**	**61**	**67**	**65**	**108**	**67**	**64**	**68**	**67**	**50**
PCE	**530**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
TCE	**710**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
cis-1,2-DCE	**280***	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
vinyl chloride	**3**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
acetone	**1,176,000**	<50	<250	<50	<50	<250	<250	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50
tetrahydrofuran	N/A	**2,600**	**2,700**	**1,500**	**3,600**	**1,700**	**4,200**	**3,100**	**2,400**	**2,100**	**1,700**	**1,900**	**2,200**	**2,000**	**1,900**	**1,800**	**1,200**	**1,500**	**2,900**	**2,500**	**2,200**	**2,100**	**2,200**
MEK	**249,000**	<10	<50	<10	<10	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10
MIBK	N/A	<10	<50	<10	<10	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10
methylene chloride	**4,150**	<5	<25	<5	<5	<25	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5
1,1,1-TCA	**1,550****	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
1,1-DCA	**4,580**	**3**	<10	**2**	<2	<10	<10	<2	**2**	<2	<2	**2**	**2**	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
1,1-DCE	N/A	<1	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1
1,2-DCA	N/A	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
bromomethane	**2**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
chloromethane	**7**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
chloroform	**420**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
dibromochloromethane	N/A	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
bromoform	N/A	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
carbon disulfide	**60**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
styrene	N/A	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
chloroethane	N/A	**3**	<10	<2	<2	<10	<10	<2	<2	<2	<2	**2**	**2**	**2**	<2	<2	<2	<10	<2	<2	<2	<2	<2
chlorobenzene	**2,350**	**3**	<10	**3**	**3**	<10	<10	**3**	**3**	**2**	**3**	**3**	**4**	**3**	**3**	**3**	**3**	<10	**4**	**3**	**3**	**3**	**2**
1,2-dichloropropane	**3,650**	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
1,1,2-trichloroethane	N/A	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
cis-1,3-dichloropropene	**90*****	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	**90*****	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
1,1,2,2-tetrachloroethane	N/A	<2	<10	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2
2-hexanone	N/A	<10	<50	<10	<10	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10

NOTES:

1. Laboratory analytical results are reported in micrograms per liter (ug/L).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene.
3. N/A = Not Applicable.
4. Bold values exceed laboratory practical quantitation limits (PQLs).
5. "<" = Not detected above reported PQL.
6. * indicates Screening Level for trans-1,2-dichloroethylene.
7. ** indicates Screening Level for 1,1,1-trichloroethylene.
8. *** indicates Screening Level for total 1,3-dichloropropene.

TABLE 6B
SUMMARY OF LABORATORY ANALYTICAL DATA
INFLUENT VOC MONITORING - MW-206(I) - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Analyte	POTW Screening Levels	7-May-09	12-May-09	19-May-09	26-May-09	2-Jun-09	9-Jun-09	16-Jun-09	25-Jun-09	30-Jun-09	7-Jul-09	14-Jul-09	20-Jul-09	28-Jul-09	4-Aug-09	11-Aug-09	17-Aug-09	25-Aug-09	1-Sep-09	8-Sep-09	15-Sep-09	22-Sep-09	29-Sep-09	6-Oct-09	27-Oct-09	3-Nov-09	9-Nov-09	17-Nov-09	24-Nov-09
benzene	N/A	**29**	**31**	**28**	**31**	**25**	**28**	**27**	**25**	**26**	**22**	**24**	**26**	**26**	**23**	**24**	**23**	**21**	**22**	**21**	**22**	**27**	**27**	**24**	**30**	**29**	**26**	**27**	**25**
ethylbenzene	**1,590**	**20**	**23**	**19**	**20**	**22**	**22**	**21**	**20**	**22**	**20**	**25**	**26**	**27**	**20**	**22**	**20**	**17**	**19**	**21**	**23**	**25**	**25**	**25**	**29**	**27**	**22**	**28**	**23**
toluene	**1,350**	<10	<10	**2**	**2**	**2**	**3**	**2**	**2**	**3**	**2**	**3**	**3**	**3**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**3**	**2**	**2**	**3**	**3**	**2**	**3**	**2**
xylenes (total)	N/A	**50**	**58**	**46**	**51**	**50**	**56**	**54**	**51**	**53**	**50**	**67**	**71**	**74**	**58**	**64**	**61**	**53**	**60**	**63**	**73**	**70**	**77**	**73**	**81**	**81**	**67**	**84**	**68**
PCE	**530**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
TCE	**710**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-DCE	**280***	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
vinyl chloride	**3**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
acetone	**1,176,000**	<250	<250	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
tetrahydrofuran	N/A	**1,800**	**2,100**	**1,800**	**2,000**	**2,500**	**2,000**	**1,800**	**1,700**	**1,900**	**1,700**	**1,900**	**1,600**	**2,000**	**1,600**	**1,500**	**1,600**	**1,600**	**1,400**	**1,400**	**1,700**	**1,500**	**2,000**	**1,700**	**1,700**	**2,800**	**2,100**	**1,500**	**2,300**
MEK	**249,000**	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MIBK	N/A	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
methylene chloride	**4,150**	<25	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-TCA	**1,550****	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCA	**4,580**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCE	N/A	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	N/A	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
bromomethane	**2**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloromethane	**7**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloroform	**420**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
dibromochloromethane	N/A	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
bromoform	N/A	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
carbon disulfide	**60**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
styrene	N/A	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloroethane	N/A	<10	<10	<2	<2	<2	<2	<2	<2	**2**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	**2**	<2	<2	<2	<2	<2	<2
chlorobenzene	**2,350**	<10	<10	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	<2	**3**	**3**	**4**	**3**	**4**	**4**	**3**	**4**	**3**
1,2-dichloropropane	**3,650**	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-trichloroethane	N/A	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,3-dichloropropene	**90*****	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	**90*****	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-tetrachloroethane	N/A	<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-hexanone	N/A	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

NOTES:

1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene.
3. N/A = Not Applicable.
4. "<" = Not detected above laboratory practical quantitation limits (PQLs).
5. Bold values exceed laboratory PQLs.
6. * indicates Screening Level for trans-1,2-dichloroethylene.
7. ** indicates Screening Level for 1,1,1-trichloroethylene.
8. *** indicates Screening Level for total 1,3-dichloropropene.

TABLE 6C
SUMMARY OF LABORATORY ANALYTICAL DATA
INFLUENT VOC MONITORING - MW-206(I) - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Analyte	POTW Screening Levels	27-Apr-10	4-May-10	18-May-10	1-Jun-10	15-Jun-10	29-Jun-10	12-Jul-10	27-Jul-10
benzene	N/A	**26**	**25**	**27**	**25**	**26**	**30**	**27**	**28**
ethylbenzene	**1,590**	**17**	**18**	**22**	**21**	**23**	**23**	**22**	**22**
toluene	**1,350**	**2**	**2**	**2**	**2**	**2**	**3**	**2**	**2**
xylenes (total)	N/A	**55**	**60**	**67**	**70**	**75**	**80**	**76**	**75**
PCE	**530**	<2	<2	<2	<2	<2	<2	<2	<2
TCE	**710**	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-DCE	**280***	<2	<2	<2	<2	<2	<2	<2	<2
vinyl chloride	**3**	<2	<2	<2	<2	<2	<2	<2	<2
acetone	**1,176,000**	**72**	**130**	**50**	<50	<50	<50	**59**	<50
tetrahydrofuran	N/A	**1,500**	**1,400**	**3,700**	**1,600**	**1,400**	**1,500**	**1,500**	**1,300**
MEK	**249,000**	**160**	**430**	**99**	**13**	<10	<10	**120**	<10
MIBK	N/A	<10	<10	<10	<10	<10	<10	<10	<10
methylene chloride	**4,150**	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-TCA	**1,550****	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCA	**4,580**	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCE	N/A	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	N/A	<2	<2	<2	<2	<2	<2	<2	<2
bromomethane	**2**	<2	<2	<2	<2	<2	<2	<2	<2
chloromethane	**7**	<2	<2	<2	<2	<2	<2	<2	<2
chloroform	**420**	<2	<2	<2	<2	<2	<2	<2	<2
dibromochloromethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2
bromoform	N/A	<2	<2	<2	<2	<2	<2	<2	<2
carbon disulfide	**60**	<2	<2	<2	<2	<2	<2	<2	<2
styrene	N/A	<2	<2	<2	<2	<2	<2	<2	<2
chloroethane	N/A	<2	<2	<2	<2	<2	**2**	<2	<2
chlorobenzene	**2,350**	**3**	**3**	**3**	**3**	**4**	**4**	**4**	**4**
1,2-dichloropropane	**3,650**	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-trichloroethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,3-dichloropropene	**90*****	<2	<2	<2	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	**90*****	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-tetrachloroethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2
2-hexanone	N/A	<10	<10	<10	<10	<10	<10	<10	<10

NOTES:

1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene.
3. N/A = Not Applicable.
4. "<" = Not detected above laboratory practical quantitation limits (PQLs).
5. Bold values exceed laboratory PQLs.
6. * indicates Screening Level for trans-1,2-dichloroethylene.
7. ** indicates Screening Level for 1,1,1-trichloroethylene.
8. *** indicates Screening Level for total 1,3-dichloropropene.

TABLE 7A
SUMMARY OF LABORATORY ANALYTICAL DATA
INFLUENT VOC MONITORING - SB-4D - 2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Constituent	POTW Screening Levels	12-May-08	25-Jun-08	1-Jul-08	8-Jul-08	15-Jul-08	5-Aug-08	13-Aug-08	19-Aug-08	2-Sep-08	9-Sep-08	16-Sep-08	23-Sep-08	30-Sep-08	7-Oct-08	14-Oct-08	21-Oct-08	27-Oct-08	4-Nov-08	11-Nov-08	18-Nov-08
benzene	N/A	**35**	**34**	**31**	**35**	**31**	**36**	**32**	**31**	**31**	**30**	**30**	**32**	**30**	**37**	**34**	**29**	**29**	**29**	**19**	**25**
ethylbenzene	**1,590**	**30**	**22**	**25**	**29**	**25**	**28**	**25**	**19**	**17**	**3**	**8**	**12**	**14**	**11**	**14**	**14**	**19**	**23**	<2	**15**
toluene	**1,350**	**89**	**70**	**74**	**82**	**80**	**50**	**76**	**73**	**69**	**70**	**70**	**55**	**64**	**61**	**58**	**57**	**59**	**67**	**32**	**51**
xylenes (total)	N/A	**92**	**97**	**114**	**130**	**116**	**108**	**118**	**107**	**107**	**118**	**115**	**112**	**114**	**105**	**98**	**109**	**112**	**123**	**78**	**92**
PCE	**530**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
TCE	**710**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-DCE	**280***	**2**	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
vinyl chloride	**3**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
acetone	**1,176,000**	**56**	**52**	**66**	<250	**51**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
tetrahydrofuran	N/A	**3,100**	**1,900**	**1,900**	**1,700**	**1,300**	**1,800**	**2,000**	**1,200**	**1,400**	**1,500**	**1,700**	**1,400**	**3,100**	**2,200**	**1,700**	**1,100**	**1,700**	**1,500**	**1,300**	**1,500**
MEK	**249,000**	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MIBK	N/A	**15**	<10	<10	<50	<10	**2**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
methylene chloride	**4,150**	<5	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-TCA	**1,550****	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCA	**4,580**	**2**	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCE	N/A	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	N/A	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
bromomethane	**2**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloromethane	**7**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloroform	**420**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
dibromochloromethane	N/A	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
bromoform	N/A	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
carbon disulfide	**60**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
styrene	N/A	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloroethane	N/A	**9**	**7**	**6**	<10	**6**	**9**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	<2	<2	**5**	**6**	**4**	**4**
chlorobenzene	**2,350**	<2	<2	**2**	<10	**2**	<2	**2**	**2**	**3**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**3**	**2**	<2	<2
1,2-dichloropropane	**3,650**	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-trichloroethane	N/A	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,3-dichloropropene	**90*****	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	**90*****	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-tetrachloroethane	N/A	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-hexanone	N/A	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

NOTES:

1. Laboratory analytical results are reported in micrograms per liter(ug/L).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene.
3. N/A = Not Applicable.
4. Bold values exceed laboratory practical quantitation limits (PQLs).
5. "<" = Not detected above reported PQL.
6. * indicates Screening Level for trans-1,2-dichloroethylene.
7. ** indicates Screening Level for 1,1,1-trichloroethylene.
8. *** indicates Screening Level for total 1,3-dichloropropene.

TABLE 7B
SUMMARY OF LABORATORY ANALYTICAL DATA
INFLUENT VOC MONITORING - SB-4D - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Analyte	POTW Screening Levels	7-May-09	12-May-09	19-May-09	26-May-09	2-Jun-09	9-Jun-09	16-Jun-09	25-Jun-09	30-Jun-09	7-Jul-09	14-Jul-09	20-Jul-09	28-Jul-09	4-Aug-09	11-Aug-09	17-Aug-09	25-Aug-09	1-Sep-09	8-Sep-09	15-Sep-09	22-Sep-09	29-Sep-09	6-Oct-09	27-Oct-09	3-Nov-09	9-Nov-09	17-Nov-09	24-Nov-09
benzene	N/A	**21**	**35**	**37**	**37**	**33**	**35**	**33**	**34**	**33**	**29**	**34**	**38**	**34**	**32**	**35**	**35**	**29**	**28**	**30**	**3**	**25**	**34**	**34**	**39**	**38**	**7**	**34**	**34**
ethylbenzene	**1,590**	**23**	**24**	**22**	**23**	**20**	**23**	**26**	**20**	**25**	**27**	**24**	**25**	**29**	**28**	**28**	**28**	**21**	**22**	**18**	**2**	**12**	**28**	**33**	**31**	**29**	**4**	**34**	**27**
toluene	**1,350**	**36**	**38**	**50**	**46**	**46**	**48**	**47**	**41**	**40**	**40**	**39**	**37**	**41**	**37**	**32**	**34**	**31**	**34**	**19**	**3**	**13**	**33**	**29**	**16**	**28**	**3**	**21**	**23**
xylenes (total)	N/A	**118**	**136**	**122**	**119**	**136**	**145**	**134**	**147**	**136**	**137**	**157**	**167**	**158**	**159**	**180**	**180**	**155**	**167**	**151**	**22**	**106**	**159**	**194**	**212**	**180**	**33**	**214**	**167**
PCE	**530**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
TCE	**710**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-DCE	**280***	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
vinyl chloride	**3**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
acetone	**1,176,000**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**57**	<50	<50	<50	<50	<50	<50	<50	**89**	**50**	<50	<50	<50	<50	**74**	<50	<50
tetrahydrofuran	N/A	**1,500**	**1,600**	**1,400**	**1,400**	**1,500**	**1,700**	**2,900**	**1,700**	**2,000**	**1,500**	**1,600**	**2,500**	**2,700**	**1,700**	**1,400**	**1,500**	**1,400**	**1,200**	**1,200**	**1,300**	**1,300**	**1,400**	**1,500**	**1,500**	**1,400**	**1,500**	**1,600**	**2,300**
MEK	**249,000**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MIBK	N/A	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
methylene chloride	**4,150**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-TCA	**1,550****	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCA	**4,580**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCE	N/A	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	N/A	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
bromomethane	**2**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloromethane	**7**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	**3**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloroform	**420**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
dibromochloromethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
bromoform	N/A	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
carbon disulfide	**60**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
styrene	N/A	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
chloroethane	N/A	<2	<2	**5**	**5**	**5**	**5**	<2	**7**	**6**	**6**	**7**	**7**	**6**	**6**	**6**	**7**	**6**	**6**	**6**	<2	**4**	**6**	**6**	**8**	**7**	<2	**7**	**7**
chlorobenzene	**2,350**	**3**	**3**	**3**	**2**	**3**	**3**	**3**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	<2	<2	<2	**3**	**4**	**3**	**3**	<2	**3**	**3**
1,2-dichloropropane	**3,650**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-trichloroethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,3-dichloropropene	**90*****	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	**90*****	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-tetrachloroethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-hexanone	N/A	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene.
3. N/A = Not Applicable.
4. "<" = Not detected above laboratory practical quantitation limits (PQLs).
5. Bold values exceed laboratory PQLs.
6. * indicates Screening Level for trans-1,2-dichloroethylene.
7. ** indicates Screening Level for 1,1,1-trichloroethylene.
8. *** indicates Screening Level for total 1,3-dichloropropene.

TABLE 7C
SUMMARY OF LABORATORY ANALYTICAL DATA
INFLUENT VOC MONITORING - SB-4D - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Analyte	POTW Screening Levels	27-Apr-10	4-May-10	18-May-10	1-Jun-10	15-Jun-10	29-Jun-10	12-Jul-10	27-Jul-10
benzene	N/A	**39**	**30**	**37**	**34**	**36**	**38**	**37**	**39**
ethylbenzene	**1,590**	**36**	**25**	**31**	**29**	**30**	**32**	**36**	**37**
toluene	**1,350**	**21**	**17**	**20**	**20**	**21**	**24**	**20**	**19**
xylenes (total)	N/A	**186**	**137**	**163**	**161**	**182**	**175**	**187**	**199**
PCE	**530**	<2	<2	<2	<2	<2	<2	<2	<2
TCE	**710**	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-DCE	**280***	<2	<2	<2	<2	<2	<2	<2	<2
vinyl chloride	**3**	<2	<2	<2	<2	<2	<2	<2	<2
acetone	**1,176,000**	<50	**55**	<50	**62**	<50	<50	<50	<50
tetrahydrofuran	N/A	**2,400**	**3,300**	**3,100**	**1,600**	**1,300**	**1,200**	**1,100**	**1,300**
MEK	**249,000**	**29**	**74**	**14**	**23**	<10	<10	<10	<10
MIBK	N/A	<10	<10	<10	<10	<10	<10	<10	<10
methylene chloride	**4,150**	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-TCA	**1,550****	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCA	**4,580**	<2	<2	<2	<2	<2	<2	<2	<2
1,1-DCE	N/A	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	N/A	<2	<2	<2	<2	<2	<2	<2	<2
bromomethane	**2**	<2	<2	<2	<2	<2	<2	<2	<2
chloromethane	**7**	<2	<2	<2	<2	<2	<2	<2	<2
chloroform	**420**	<2	<2	<2	<2	<2	<2	<2	<2
dibromochloromethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2
bromoform	N/A	<2	<2	<2	<2	<2	<2	<2	<2
carbon disulfide	**60**	<2	<2	<2	<2	<2	<2	<2	<2
styrene	N/A	<2	<2	<2	<2	<2	<2	<2	<2
chloroethane	N/A	**9**	**6**	**7**	**7**	**7**	**8**	**8**	**8**
chlorobenzene	**2,350**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**
1,2-dichloropropane	**3,650**	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-trichloroethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,3-dichloropropene	**90*****	<2	<2	<2	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	**90*****	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-tetrachloroethane	N/A	<2	<2	<2	<2	<2	<2	<2	<2
2-hexanone	N/A	<10	<10	<10	<10	<10	<10	<10	<10

NOTES:

1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene.
3. N/A = Not Applicable.
4. "<" = Not detected above laboratory practical quantitation limits (PQLs).
5. Bold values exceed laboratory PQLs.
6. * indicates Screening Level for trans-1,2-dichloroethylene.
7. ** indicates Screening Level for 1,1,1-trichloroethylene.
8. *** indicates Screening Level for total 1,3-dichloropropene.

TABLE 8A
SUMMARY OF LABORATORY ANALYTICAL DATA - FRAC TANK WITH POTW LOCAL LIMITS AND SCREENING LEVELS - 2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

		Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water MW-206(I)	Combined Water MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)
		FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK
Analyte/Parameter	**Local Limit**	**4/18/2008**	**5/5/2008**	**6/10/2008**	**7/15/2008**	**8/13/2008**	**9/16/2008**	**10/7/2008**	**11/11/2008**
Total Arsenic	0.4	**0.09**	**0.30**	**0.030**	**0.051**	**0.050**	**0.032**	**0.015**	**0.036**
Total Cadmium	0.02	<0.005	<0.005	**0.01**	<0.005	<0.005	<0.005	<0.005	<0.005
Total Chromium	4.03	<0.05	**0.05**	<0.50	<0.05	**0.34**	<0.05	<0.05	<0.05
Total Copper	3.46	<0.05	<0.05	<0.50	<0.05	<0.05	<0.05	<0.05	<0.05
Total Lead	0.806	<0.01	<0.01	**0.38**	<0.008	<0.008	<0.008	<0.008	<0.008
Mercury	0.004	<0.0009	<0.0009	---	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Total Nickel	1.07	<0.05	**0.12**	<0.50	<0.05	**0.89**	<0.05	<0.05	<0.05
Selenium	8.55	<0.05	<0.05	**0.06**	<0.05	<0.05	<0.05	<0.05	<0.05
Silver	0.713	<0.007*	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Total Zinc	4.33	<0.05	**0.07**	**0.99**	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide	0.363	<0.02	<0.02	<0.02	---	<0.02	<0.02	<0.02	<0.02
Total Phenol	182	<0.05	**0.09**	**0.20**	**0.08**	**2.1**	<0.05	**0.51**	**0.51**
Analyte/Parameter	**Screening Level**	**4/18/2008**	**5/5/2008**	**6/10/2008**	**7/15/2008**	**8/13/2008**	**9/16/2008**	**10/7/2008**	**11/11/2008**
1,1,1-Trichloroethylene	1.55	<0.01**	<0.01**	<0.01**	<0.002**	<0.002**	<0.002**	<0.002**	<0.002**
1,1-Dichloroethane	4.58	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trichlorobenzene	0.43	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichlorobenzene	3.74	<0.01	<0.01	<0.01	<0.002	**0.002**	**0.003**	**0.003**	**0.002**
1,2-Dichloropropane	3.65	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropene (Total)	0.09	<0.02	<0.02	<0.02	<0.004	<0.004	<0.004	<0.004	<0.004
1,4-Dichlorobenzene	3.54	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone (MEK)	249	<0.05	<0.05	<0.05	<0.010	<0.010	<0.010	<0.010	<0.010
Acetone	1,176	<0.25	<0.25	<0.25	<0.050	<0.050	<0.050	<0.050	<0.050
Acrylonitrile	1.24	---	---	---	---	---	---	---	---
Bromomethane	0.002	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon Disulfide	0.06	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	2.35	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroform	0.42	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Chloromethane	0.007	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Dichlorodifluoromethane	0.04	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	1.59	**0.015**	**0.21**	**0.25**	**0.018**	**0.009**	**0.014**	**0.009**	**0.012**
Ethylene Dichloride	1.05	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	0.96	<0.002*	<0.2	<0.1	---	---	---	---	---
Hexachloro-1,3-Butadiene	0.0002	---	---	---	---	---	---	---	---
Methylene Chloride	4.15	<0.025	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	3.34	<0.025	**0.031**	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene	0.53	<0.01	**0.26**	**0.093**	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1.35	**0.026**	<0.01	<0.01	**0.044**	**0.030**	**0.029**	**0.012**	**0.021**
trans-1,2-Dichloroethylene	0.28	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethylene	0.71	<0.01	**0.036**	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Trichlorofluoromethane	1.22	<0.01	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl Acetate	1.21	---	---	---	---	---	<0.010	<0.010	<0.010
Vinyl Chloride	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Formaldehyde	0.07	**0.069/0.084**[A]	**0.10/0.036**[A]	**1.5**[B]	**0.051/0.653**[C]	**0.590**[D]	**0.076**[D]	**0.13**[D]	**0.087**[D]
Heptachlor	0.003	---	---	---	---	---	---	---	---
Sulfate	150/1,500	---	---	---	---	---	---	---	---
Sulfide	1	<0.04	<0.04	**0.07**	---	---	<0.04	<0.04	<0.04
Sulfite	2.00	---	---	---	---	---	---	---	---
Oil and Grease	100	---	---	---	---	---	---	---	---
Ammonia-N	90	**58**	**160**	**28**	**70**	**63**	**72**	---	---
pH	<6.0 or >11.0	**6.46**	**6.45**	**6.28**	**6.38**^	**6.22**^	**6.23**^	**6.26**	**6.23**
Alkalinity (as CaCO3)	>75.0	**530**	**1,100**	**1,800**	**630**	**540**	---	---	---
Biological Oxygen Demand	791	**14**	**22**	**17**	**13**	**17**	**12**	**13**	**11**
Total Suspended Solids	847	**110**	**370**	**11,000**	**65**	**80**	**42**	**80**	**58**
ADDITIONAL ANALYSES (NON-PERMIT) REQUESTED BY POTW									
Analyte/Parameter		**4/18/2008**	**5/5/2008**	**6/10/2008**	**7/15/2008**	**8/13/2008**	**9/16/2008**	**10/7/2008**	**11/11/2008**
Antimony		**0.007**	**0.01**	**0.53**	<0.006	<0.006	<0.006	<0.006	<0.006
Beryllium		<0.004	<0.004	**0.01**	<0.004	<0.004	<0.004	<0.004	<0.004
Molybdenum		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Thallium		<0.004	<0.004	<0.004	**0.005**	<0.004	<0.002	<0.002	<0.002
Tetrahydrofuran		**3.0**	**1.8**	**1.8**	**1.3**	**1.7**	**1.5**	**2.3**	**2.1**
Flash Point (Closed Cup)		NonIgnitable	**>140**	**>140**	**>140**	**>140**	---	---	---

NOTES:

1. Laboratory analytical results are reported in mg/L (milligrams per liter).
2. Bold values exceed laboratory practical quantitation limits (PQLs).
3. Shaded value exceeds screening criteria.
4. "<" = Not detected above reported PQL.
5. --- = Constituent was not analyzed.
6. ** data presented for 1,1,1-trichloroethane.
7. [A] data reported by two different laboratories (Katahdin/ChemServe).
8. [B] data reported by Alpha Analytical.
9. [C] data reported by two different laboratories (Katahdin/Alpha Analytical).
10. [D] data reported by ChemServe.
11. ^ = sample was analyzed beyond method holding time.
12. pH measured in standard pH units.
13. POTW = Dover's Publicly Owned Treatment Works.

TABLE 8B
SUMMARY OF LABORATORY ANALYTICAL DATA - FRAC TANK WITH POTW LOCAL LIMITS AND SCREENING LEVELS - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

		Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)
		FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK
Analyte/Parameter	**Local Limit**	**5/7/2009**	**6/2/2009**	**7/7/2009**	**8/4/2009**	**9/8/2009**	**10/6/2009**	**11/9/2009**
Total Arsenic	0.4	**0.064**	**0.054**	**0.036**	**0.030**	**0.010**	**0.012**	**0.009**
Total Cadmium	0.02	<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Total Chromium	4.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Copper	3.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Lead	0.806	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Mercury	0.004	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Total Nickel	1.07	**0.05**	<0.05	<0.05	<0.05	**0.05**	<0.05	**0.05**
Selenium	8.55	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Silver	0.713	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Total Zinc	4.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide	0.363	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Phenol	182	<0.05	**0.05**	<0.05	**0.05**	**0.09**	**0.05**	<0.05
Analyte/Parameter	**Screening Level**	**5/7/2009**	**6/2/2009**	**7/7/2009**	**8/4/2009**	**9/8/2009**	**10/6/2009**	**11/9/2009**
1,1,1-Trichloroethylene	1.55	<0.010*	<0.002*	<0.002*	<0.002*	<0.002*	<0.002*	<0.002*
1,1-Dichloroethane	4.58	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trichlorobenzene	0.43	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichlorobenzene	3.74	<0.010	**0.002**	**0.003**	**0.002**	**0.002**	**0.002**	**0.003**
1,2-Dichloropropane	3.65	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropene (Total)	0.09	<0.020	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
1,4-Dichlorobenzene	3.54	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone (MEK)	249	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acetone	1,176	<0.250	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Acrylonitrile	1.24	---	---	---	---	---	---	---
Bromomethane	0.002	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon Disulfide	0.06	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	2.35	<0.010	**0.002**	**0.002**	**0.002**	<0.002	<0.002	<0.002
Chloroform	0.42	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloromethane	0.007	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dichlorodifluoromethane	0.04	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	1.59	**0.014**	**0.020**	**0.021**	**0.022**	**0.014**	**0.004**	**0.006**
Ethylene Dichloride	1.05	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	0.96	---	---	---	---	---	---	---
Hexachloro-1,3-Butadiene	0.0002	<0.010	<0.002	<0.002	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	4.15	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	3.34	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene	0.53	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1.35	**0.015**	**0.021**	**0.017**	**0.014**	<0.002	**0.004**	**0.002**
trans-1,2-Dichloroethylene	0.28	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethylene	0.71	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Trichlorofluoromethane	1.22	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl Acetate	1.21	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vinyl Chloride	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Formaldehyde	0.07	**0.697[A]**	**0.310[B]**	**0.340[B]**	**0.190[B]**	**0.140[B]**	**0.170[B]**	**0.170[B]**
Heptachlor	0.003	---	---	---	---	---	---	---
Sulfate	150/1,500	---	---	---	---	---	---	---
Sulfide	1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfite	2.00	---	---	---	---	---	---	---
Oil and Grease	100	---	---	---	---	---	---	---
Ammonia-N	90	---	---	---	---	---	---	---
pH	<6.0 or >11.0	**6.3^**	**6.3^**	**6.3^**	**6.5^**	**6.5^**	**6.8^**	**6.4^**
Alkalinity (as CaCO3)	>75.0	---	---	---	---	---	---	---
Biological Oxygen Demand	791	**20**	**19**	**25**	**25**	**13**	**18**	**17^**
Total Suspended Solids	847	**82**	**95**	**99**	**80**	**52**	**49**	**35**
ADDITIONAL ANALYSES (NON-PERMIT) REQUESTED BY POTW								
Analyte/Parameter		**5/7/2009**	**6/2/2009**	**7/7/2009**	**8/4/2009**	**9/8/2009**	**10/6/2009**	**11/9/2009**
Antimony		<0.006	**0.006**	<0.006	<0.006	<0.006	<0.006	<0.006
Beryllium		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Molybdenum		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Thallium		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrahydrofuran		**1.6**	**1.9**	**1.6**	**1.5**	**1.4**	**1.5**	**1.8**
Flash Point (Closed Cup)		---	---	---	---	---	---	---

NOTES:

1. Laboratory analytical results are reported in mg/L (milligrams per liter).
2. Bold values exceed laboratory practical quantitation limits (PQLs).
3. Shaded value exceeds screening criteria.
4. "<" = Not detected above reported PQL.
5. = Constituent was not analyzed.
6. ---* data presented for 1,1,1-trichloroethane.
7. [A] data reported by Alpha Analytical.
8. [B] data reported by ChemServe.
9. ^ = sample was analyzed beyond method holding time.
10. pH measured in standard pH units.
11. POTW = Dover's Publicly Owned Treatment Works.

TABLE 8C
SUMMARY OF LABORATORY ANALYTICAL DATA - FRAC TANK WITH POTW LOCAL LIMITS AND SCREENING LEVELS - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

		Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)	Combined Water SB-4D and MW-206(I)
		FRAC TANK	FRAC TANK	FRAC TANK	FRAC TANK
Analyte/Parameter	**Local Limit**	**4/27/2010**	**5/11/2010**	**6/8/2010**	**7/12/2010**
Total Arsenic	0.4	**0.072**	**0.031**	**0.24**	**0.018**
Total Cadmium	0.02	<0.004	<0.004	<0.004	<0.004
Total Chromium	4.03	<0.05	<0.05	<0.05	<0.05
Total Copper	3.46	<0.05	<0.05	<0.05	<0.05
Total Lead	0.806	<0.008	<0.008	<0.008	<0.008
Mercury	0.004	<0.0009	<0.0009	<0.0009	<0.0009
Total Nickel	1.07	**0.05**	<0.05	<0.05	<0.05
Selenium	8.55	<0.05	<0.05	<0.05	<0.05
Silver	0.713	<0.007	<0.007	<0.007	<0.007
Total Zinc	4.33	<0.05	<0.05	<0.05	<0.05
Cyanide	0.363	<0.02	<0.02	<0.02	<0.02
Total Phenol	182	<0.05	<0.05	<0.05	<0.05
Analyte/Parameter	**Screening Level**	**4/27/2010**	**5/11/2010**	**6/8/2010**	**7/12/2010**
1,1,1-Trichloroethylene	1.55	<0.002*	<0.002*	<0.002*	<0.002*
1,1-Dichloroethane	4.58	<0.002	<0.002	<0.002	<0.002
1,2,4-Trichlorobenzene	0.43	<0.002	<0.002	<0.002	<0.002
1,2-Dichlorobenzene	3.74	**0.003**	**0.003**	**0.002**	<0.002
1,2-Dichloropropane	3.65	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropene (Total)	0.09	<0.004	<0.004	<0.004	<0.004
1,4-Dichlorobenzene	3.54	<0.002	<0.002	<0.002	<0.002
2-Butanone (MEK)	249	**0.031**	**0.012**	<0.010	<0.010
Acetone	1,176	<0.050	<0.050	<0.050	<0.050
Acrylonitrile	1.24	---	---	---	---
Bromomethane	0.002	<0.002	<0.002	<0.002	<0.002
Carbon Disulfide	0.06	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	2.35	**0.003**	**0.003**	**0.002**	**0.002**
Chloroform	0.42	<0.002	<0.002	<0.002	<0.002
Chloromethane	0.007	<0.002	<0.002	<0.002	<0.002
Dichlorodifluoromethane	0.04	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	1.59	**0.020**	**0.021**	**0.021**	<0.002
Ethylene Dichloride	1.05	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	0.96	---	---	---	---
Hexachloro-1,3-Butadiene	0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Methylene Chloride	4.15	<0.005	<0.005	<0.005	<0.005
Naphthalene	3.34	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene	0.53	<0.002	<0.002	<0.002	<0.002
Toluene	1.35	**0.007**	**0.008**	**0.012**	<0.002
trans-1,2-Dichloroethylene	0.28	<0.002	<0.002	<0.002	<0.002
Trichloroethylene	0.71	<0.002	<0.002	<0.002	<0.002
Trichlorofluoromethane	1.22	<0.002	<0.002	<0.002	<0.002
Vinyl Acetate	1.21	<0.010	<0.010	<0.010	<0.010
Vinyl Chloride	0.003	<0.002	<0.002	<0.002	<0.002
Formaldehyde	0.07	**0.410**[A]	**0.310**[A]	**0.290**[A]	**0.110**[A]
Heptachlor	0.003	---	---	---	---
Sulfate	150/1,500	---	---	---	---
Sulfide	1	<0.04	<0.04	<0.04	<0.04
Sulfite	2.00	---	---	---	---
Oil and Grease	100	---	---	---	---
Ammonia-N	90	---	---	---	---
pH	<6.0 or >11.0	**6.5**^	**6.2**^	**6.6**^	**7.1**^
Alkalinity (as CaCO3)	>75.0	---	---	---	---
Biological Oxygen Demand	791	**25**	**17**	**23**	**17**
Total Suspended Solids	847	**61**	**78**	**80**	**16**
ADDITIONAL ANALYSES (NON-PERMIT) REQUESTED BY POTW					
Analyte/Parameter		**4/27/2010**	**5/11/2010**	**6/8/2010**	**7/12/2010**
Antimony		**0.007**	**0.007**	**0.010**	<0.006
Beryllium		<0.004	<0.004	<0.004	<0.004
Molybdenum		<0.05	<0.05	<0.05	<0.05
Thallium		<0.002	<0.002	<0.002	<0.002
Tetrahydrofuran		**1.4**	**2.0**	**3.7**	**1.1**
Flash Point (Closed Cup)		---	---	---	---

NOTES:
1. Laboratory analytical results are reported in mg/L (milligrams per liter).
2. Bold values exceed laboratory practical quantitation limits (PQLs).
3. Shaded value exceeds screening criteria.
4. "<" = Not detected above reported PQL.
5. --- = Constituent was not analyzed.
6. * data presented for 1,1,1-trichloroethane.
7. [A] data reported by Chem Serve Environmental Analysts.
8. ^ = sample was analyzed beyond method holding time.
9. pH measured in standard pH units.
10. POTW = Dover's Publicly Owned Treatment Works.

TABLE 9A
MASS REMOVAL CALCULATIONS - 2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

	Constituents						Constituent Weekly Totals	
Date	**Benzene (ug/L)**	**Tetrahydrofuran (ug/L)**	**Well Pumping**	**Approximate Pumping Rate (gal/min)**	**Gallons Pumped**	**Liters Pumped**	**Benzene (kg)**	**Tetrahydrofuran (kg)**
Pilot Test Period								
04/18/08	**22**	**3,000**	Frac Tank	NA	15,441	58,451	1.29E-03	1.75E-01
05/05/08	ND(10)*	**1,800**	Frac Tank	NA	15,164	57,402	2.87E-04	1.03E-01
05/12/08	**29**	**2,600**	MW-206I	0.88	5,415	20,498	5.94E-04	5.33E-02
05/20/08	**37**	**2,700**	MW-206I	0.75	6,606	25,006	9.25E-04	6.75E-02
05/27/08	**19**	**1,500**	MW-206I	0.50	6,966	26,369	5.01E-04	3.96E-02
06/04/08	**20**	**3,600**	MW-206I	0.65	6,750	25,552	5.11E-04	9.20E-02
6/10 & 6/17/2008	**39****	**2,950****	MW-206I	0.73	4,248	16,080	6.27E-04	4.74E-02
2008 Operating Season (6/17/2008 - 11/25/2008)								
Well ID	**Average Benzene Concentration (ug/L)**	**Average Tetrahydrofuran Concentration (ug/L)**	**Well Pumping**	**Average Pumping Rate per Well (gal/min)**	**Gallons Pumped**	**Liters Pumped**	**Benzene (kg)**	**Tetrahydrofuran (kg)**
MW-206I	**25**	**2,106**	NA	0.64	83,158	314,789	7.87E-03	6.63E-01
SB-4D	**31**	**1,679**	NA	0.93	120,840	457,427	1.42E-02	7.68E-01
TOTAL TO DATE:					264,588	1,001,574	2.68E-02	2.01E+00

SUMMARY		
TOTAL ESTIMATED MASS REMOVED IN 2008:	**kg**	**lbs**
Benzene	**0.03**	**0.06**
Tetrahydrofuran	**2.01**	**4.43**
TOTAL:	**2.04**	**4.49**

NOTES:
1. * = constituent not detected above detection limit; mass removal calculated using half of the detection limit.
2. ** = average concentrations calculated from two influent samples collected during pumping period.
3. Frac Tank = indicates water sample was collected from fractionation tank (i.e., water storage tank); SB-4D and MW-206I combined effluent.
4. NA = not applicable.
5. ug/L = micrograms per liter.
6. gal/min = gallons per minute.
7. kg = kilograms.
8. lbs = pounds.
9. "Gallons Pumped" estimated based upon volume monitoring of frac tank and/or recorded water transfer volume.

TABLE 9B
MASS REMOVAL CALCULATIONS - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

	Constituents					Constituent Weekly Totals	
Date	**Benzene (ug/L) Influent**	**Tetrahydrofuran (ug/L) Influent**	**Well Pumping**	**Gallons Pumped**	**Liters Pumped**	**Benzene (kg)**	**Tetrahydrofuran (kg)**
2009 Operating Season:							
5/7/2009	**25**	**1,650**	MW-206(I)/SB-4D	9,000	34,069	8.52E-04	5.62E-02
5/12/2009	**33**	**1,850**	MW-206(I)/SB-4D	9,000	34,069	1.12E-03	6.30E-02
5/19/2009	**32.5**	**1,600**	MW-206(I)/SB-4D	12,000	45,425	1.48E-03	7.27E-02
5/26/2009	**34**	**1,700**	MW-206(I)/SB-4D	9,000	34,069	1.16E-03	5.79E-02
6/2/2009	**29**	**2,000**	MW-206(I)/SB-4D	9,000	34,069	9.88E-04	6.81E-02
6/9/2009	**31.5**	**1,850**	MW-206(I)/SB-4D	9,000	34,069	1.07E-03	6.30E-02
6/16/2009	**30**	**2,350**	MW-206(I)/SB-4D	9,000	34,069	1.02E-03	8.01E-02
6/25/2009	**29.5**	**1,700**	MW-206(I)/SB-4D	9,000	34,069	1.01E-03	5.79E-02
6/30/2009	**29.5**	**1,950**	MW-206(I)/SB-4D	7,000	26,498	7.82E-04	5.17E-02
7/7/2009	**25.5**	**1,600**	MW-206(I)/SB-4D	9,000	34,069	8.69E-04	5.45E-02
7/14/2009	**29**	**1,750**	MW-206(I)/SB-4D	9,668	70,666	2.05E-03	1.24E-01
7/28/2009	**30**	**2,350**	MW-206(I)/SB-4D	22,500	85,172	2.56E-03	2.00E-01
8/4/2009	**27.5**	**1,650**	MW-206(I)/SB-4D	14,800	56,024	1.54E-03	9.24E-02
8/11/2009	**29.5**	**1,450**	MW-206(I)/SB-4D	10,000	37,854	1.12E-03	5.49E-02
8/17/2009	**29**	**1,550**	MW-206(I)/SB-4D	11,000	41,640	1.21E-03	6.45E-02
8/25/2009	**25**	**1,500**	MW-206(I)/SB-4D	10,500	39,747	9.94E-04	5.96E-02
9/1/2009	**22**	**1,400**	MW-206(I)	8,000	30,283	6.66E-04	4.24E-02
9/8/2009	**21**	**1,400**	MW-206(I)	7,000	26,498	5.56E-04	3.71E-02
9/15/2009	**22**	**1,700**	MW-206(I)	9,000	34,069	7.50E-04	5.79E-02
9/22/2009	**27**	**1,500**	MW-206(I)	10,500	39,747	1.07E-03	5.96E-02
9/29/2009	**34**	**1,400**	SB-4D	3,000	11,356	3.86E-04	1.59E-02
10/6/2009	**24**	**1,700**	MW-206(I)	12,000	45,425	1.09E-03	7.72E-02
10/27/2009	**34.5**	**1,600**	---	---	---	---	---
11/3/2009	**38**	**1,400**	SB-4D	16,100	60,945	2.32E-03	8.53E-02
11/9/2009	**26**	**2,100**	MW-206(I)	3,000	11,356	2.95E-04	2.38E-02
11/17/2009	**30.5**	**1,550**	---	---	---	---	---
11/24/2009	**29.5**	**2,300**	MW-206(I)/SB-4D	20,000	75,708	2.23E-03	1.74E-01
TOTAL TO DATE (2009):				258,068	1,010,962	2.92E-02	1.79E+00

SUMMARY

TOTAL ESTIMATED MASS REMOVED DURING CURRENT OPERATING SEASON:	**kg**	**lbs**
Benzene	**0.03**	**0.06**
Tetrahydrofuran	**1.79**	**3.95**
TOTAL:	**1.82**	**4.01**

NOTES:
1. ug/L = micrograms per liter.
2. kg = kilograms.
3. lbs = pounds.
4. "Gallons Pumped" estimated based upon recorded water transfer volume; reported quantity includes transfer volumes following previous sample date up to and including current sample date.
5. --- = GWE system was not operational at time sample was collected; concentration data from periods of pumping used to calculate mass removal values.
6. During periods that both wells were pumping, constituent concentration values represent the average of influent concentrations from MW-206(I) and SB-4D.

TABLE 9C
MASS REMOVAL CALCULATIONS - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

2010 Operating Season (4/19/10-Present)							
	Constituents					Constituent Weekly Totals	
Well ID	Benzene Concentration (ug/L)	Tetrahydrofuran Concentration (ug/L)	Sample Date	Gallons Pumped	Liters Pumped	Benzene (kg)	Tetrahydrofuran (kg)
MW-206I	26	1,500	4/27/2010	13,238	50,111	1.30E-03	7.52E-02
	25	1,400	5/4/2010	10,869	41,144	1.03E-03	5.76E-02
	27	3,700	5/18/2010	20,139	76,234	2.06E-03	2.82E-01
	25	1,600	6/1/2010	17,495	66,226	1.66E-03	1.06E-01
	26	1,400	6/15/2010	14,269	54,014	1.40E-03	7.56E-02
	30	1,500	6/29/2010	6,112	23,136	6.94E-04	3.47E-02
	27	1,500	7/12/2010	14,954	56,607	1.53E-03	8.49E-02
	28	1,300	7/27/2010	14,117	53,439	1.50E-03	6.95E-02
SB-4D	39	2,400	4/27/2010	7,980	30,208	1.18E-03	7.25E-02
	30	3,300	5/4/2010	6,868	25,998	7.80E-04	8.58E-02
	37	3,100	5/18/2010	9,106	34,470	1.28E-03	1.07E-01
	34	1,600	6/1/2010	10,517	39,811	1.35E-03	6.37E-02
	36	1,300	6/15/2010	9,488	35,916	1.29E-03	4.67E-02
	38	1,200	6/29/2010	8,429	31,907	1.21E-03	3.83E-02
	37	1,100	7/12/2010	4,577	17,326	6.41E-04	1.91E-02
	39	1,300	7/27/2010	9,107	34,474	1.34E-03	4.48E-02
					TOTAL:	2.02E-02	1.26E+00

TOTAL TO DATE:	kg	lbs
Benzene	0.02	0.04
Tetrahydrofuran	1.26	2.78
TOTAL:	1.28	2.83

NOTES:
1. ug/L = micrograms per liter.
2. kg = kilograms.
3. lbs = pounds.
4. "Gallons Pumped" monitored by in-line totalizers.

FIGURES

FIGURE 1
TRANSDUCER DATA WATER ELEVATION (APRIL 5, 2010 - JULY 31, 2010)
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIR

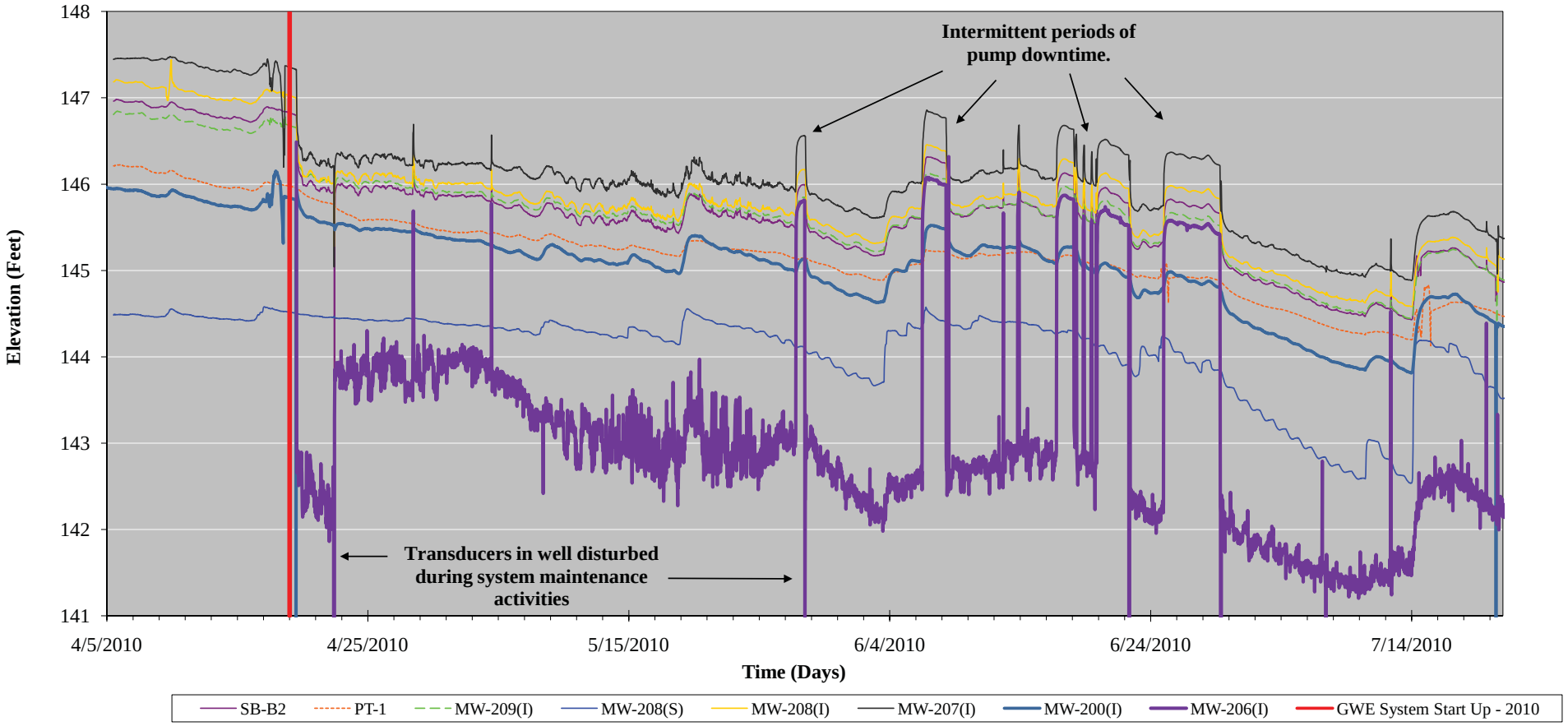


FIGURE 2A
CONCENTRATION VERSUS TIME - MW-206I - 2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

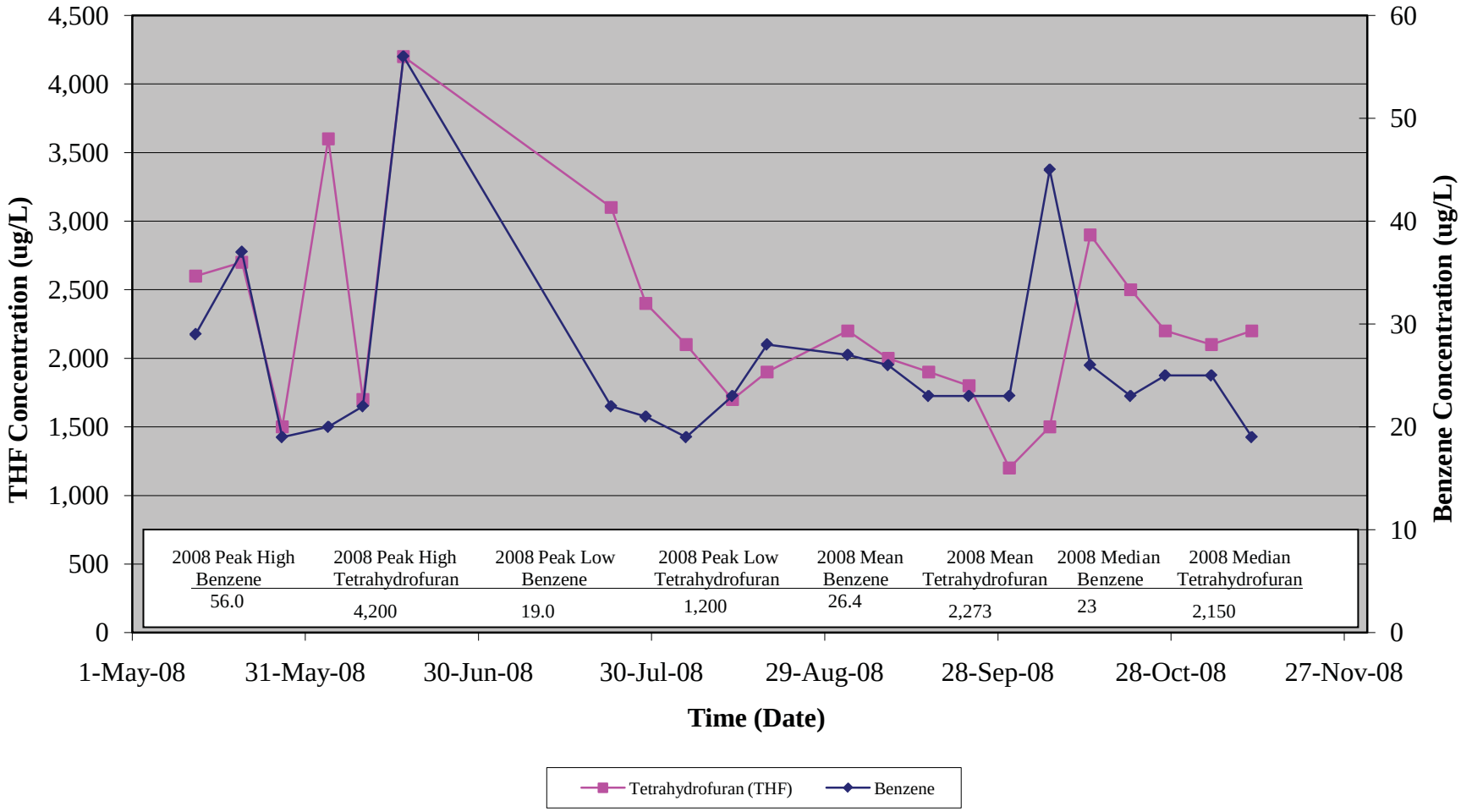


FIGURE 2B
CONCENTRATION VERSUS TIME - MW-206I - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

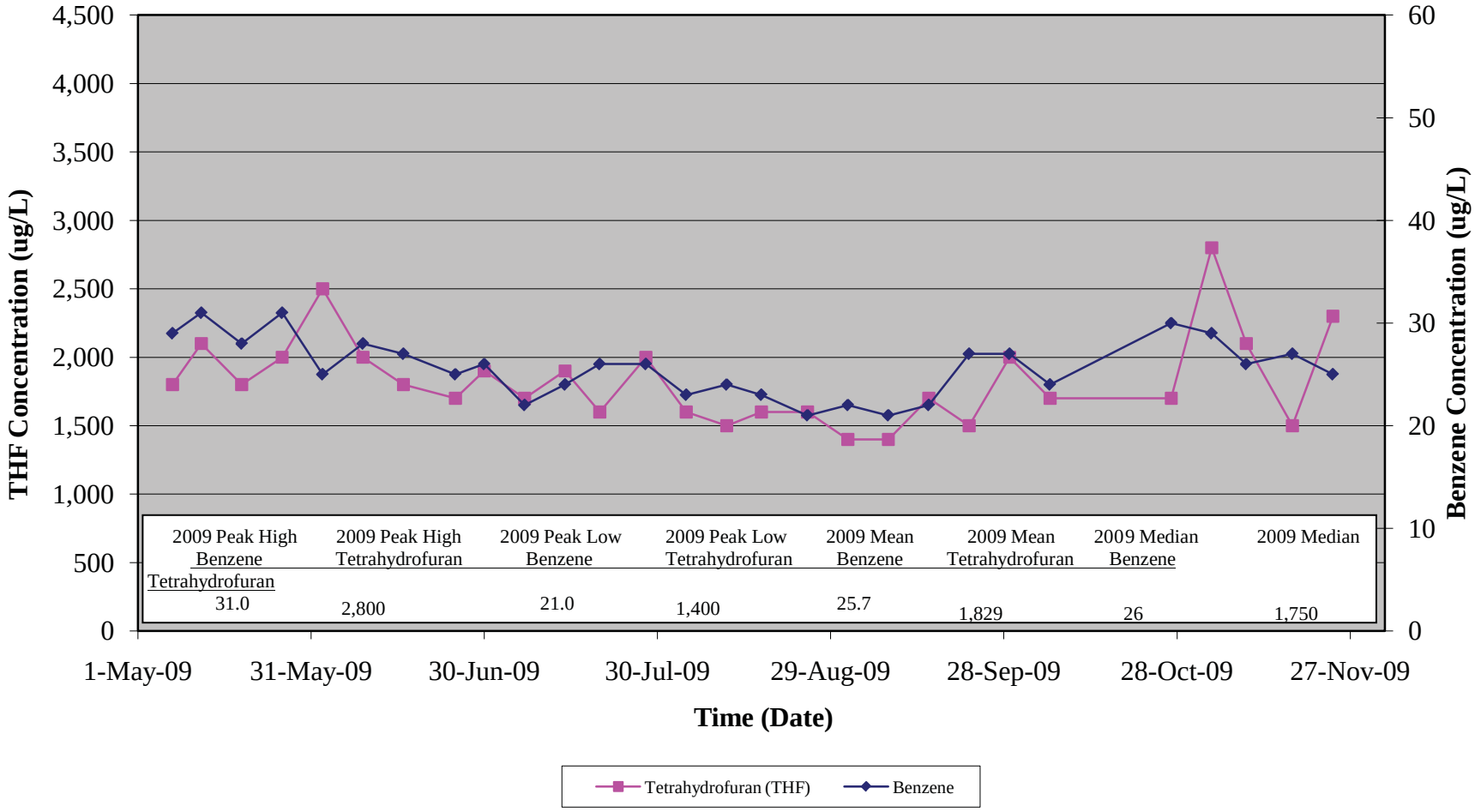
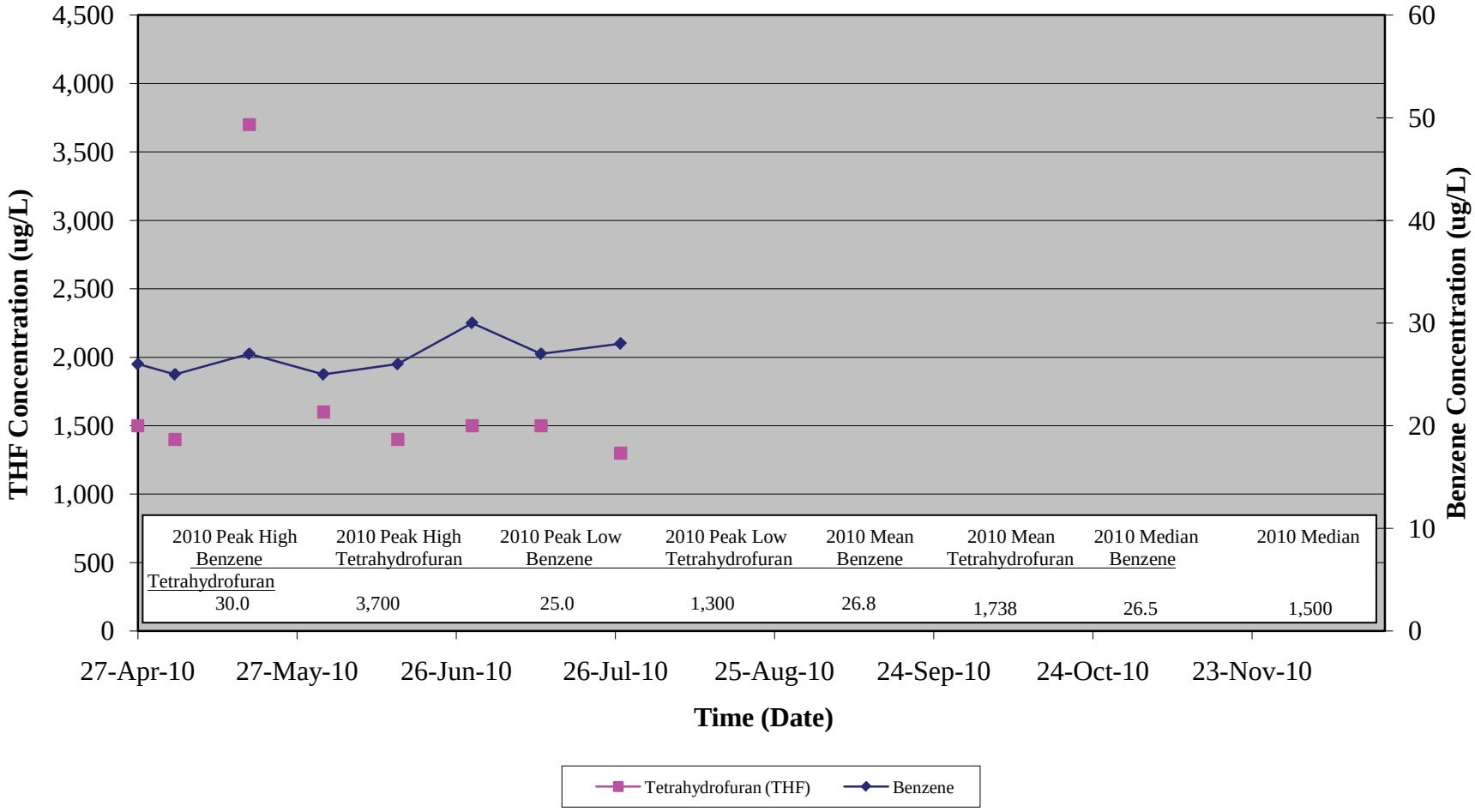


FIGURE 2C
CONCENTRATION VERSUS TIME - MW-206I - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



2010 Peak High Benzene	2010 Peak High Tetrahydrofuran	2010 Peak Low Benzene	2010 Peak Low Tetrahydrofuran	2010 Mean Benzene	2010 Mean Tetrahydrofuran	2010 Median Benzene	2010 Median Tetrahydrofuran
30.0	3,700	25.0	1,300	26.8	1,738	26.5	1,500

FIGURE 3A
CONCENTRATION VERSUS TIME - SB-4D - 2008
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

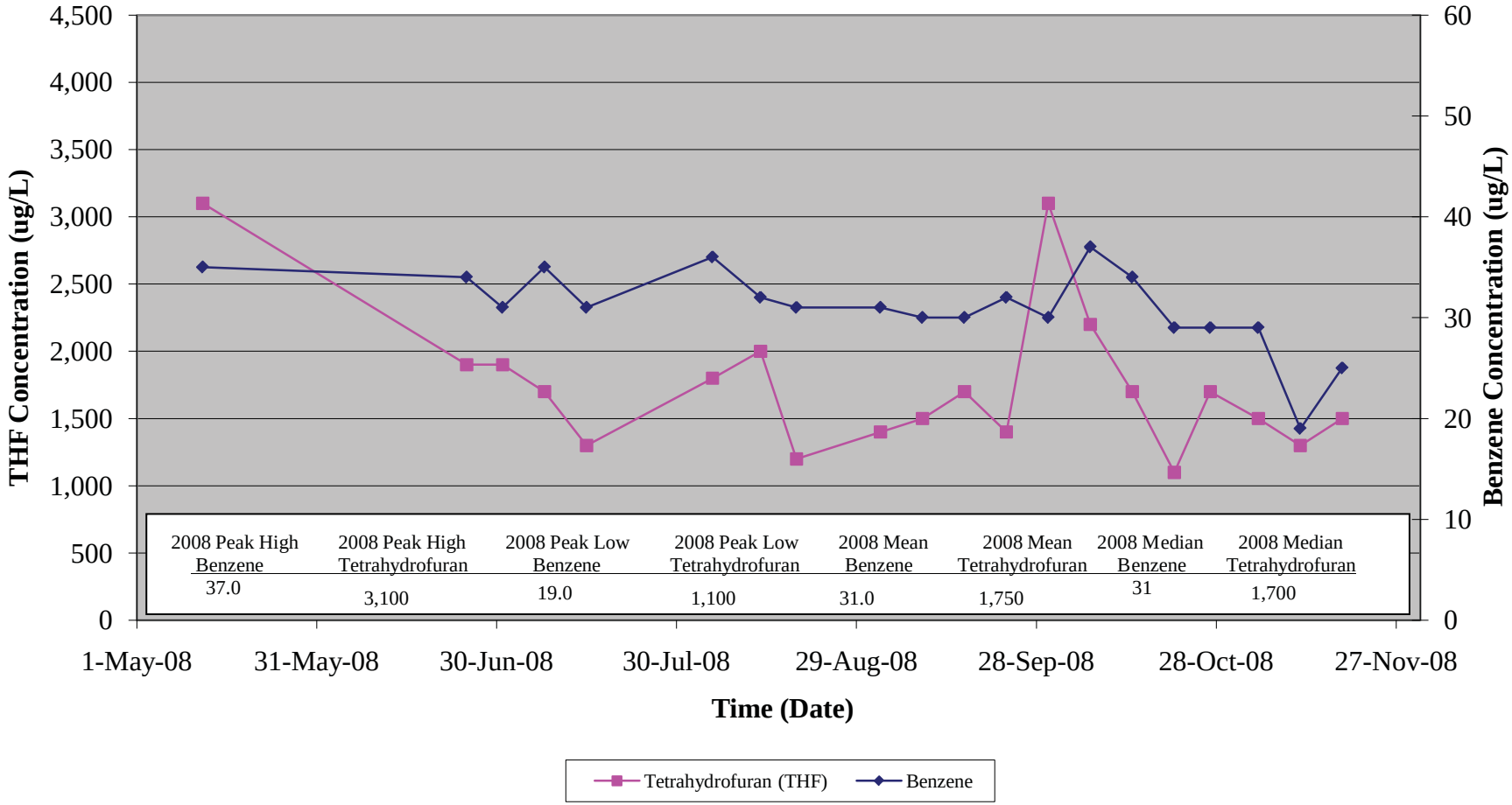


FIGURE 3B
CONCENTRATION VERSUS TIME - SB-4D - 2009
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

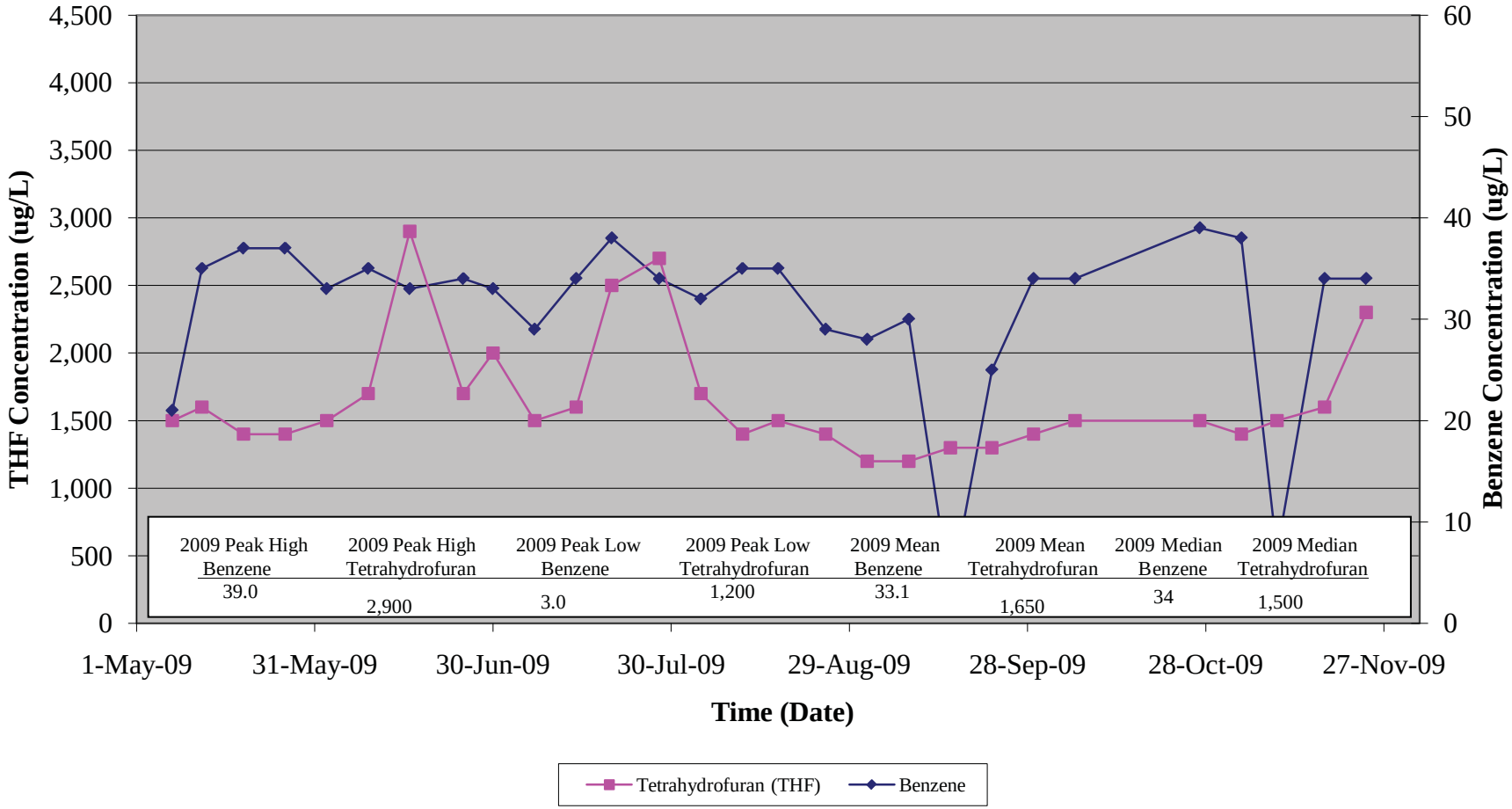
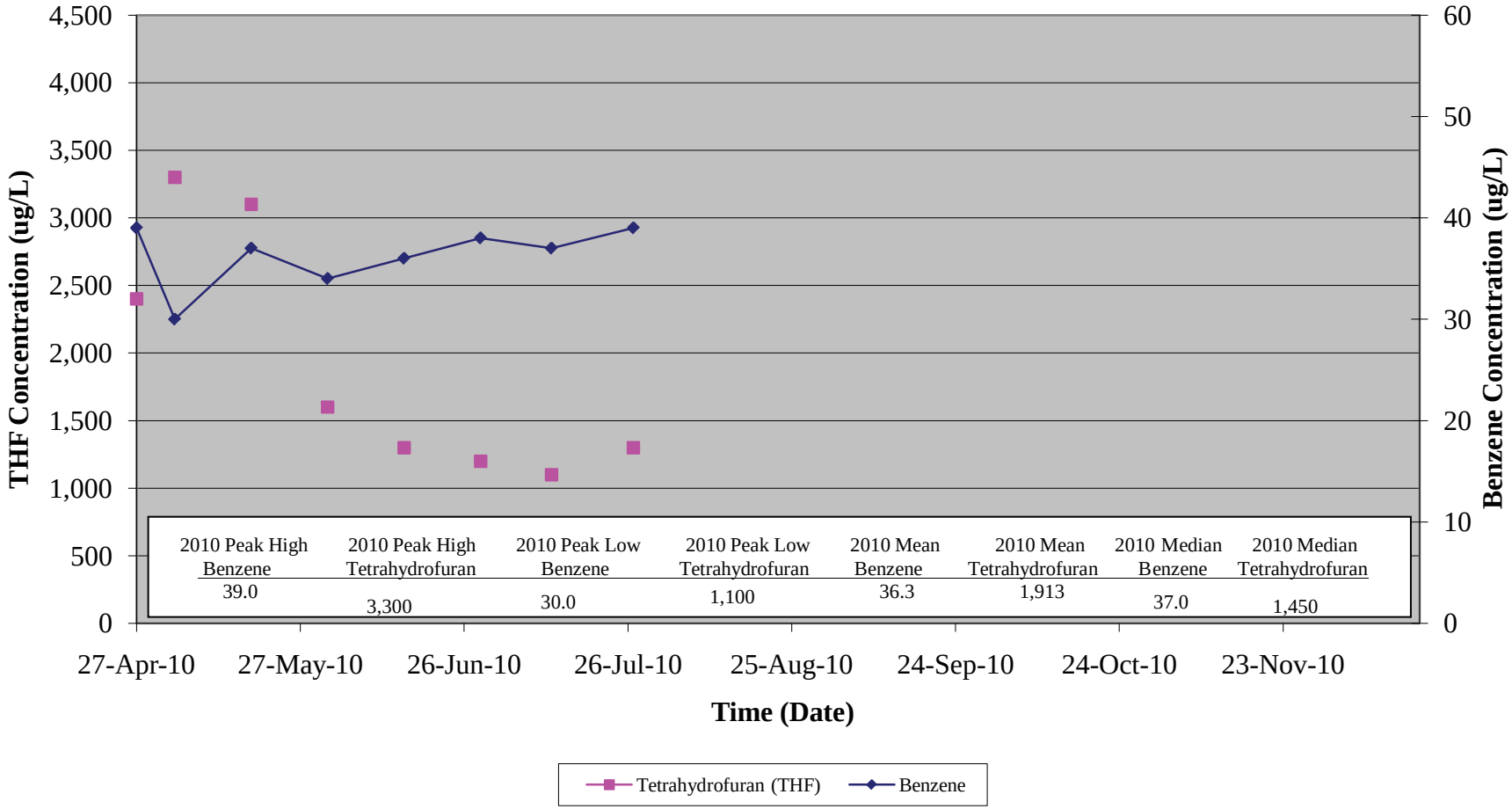


FIGURE 3C
CONCENTRATION VERSUS TIME - SB-4D - 2010
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



APPENDIX A

LABORATORY ANALYTICAL DATA

ChemServe
ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055
(603) 673-5440
Fax (603) 673-0366
Sales@chemservelab.com

Tuesday, July 27, 2010

Sue Sylvester
Resource Laboratories
124 Heritage Avenue
Portsmouth NH 03801

Project Name: Formaldehyde
Project #: N/A
Project Location: N/A
Control #: 85987

Lab ID: 10070159
Date Received: 7/13/2010

Dear Sue Sylvester

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx

Heather Beaudoin - QA/QC Manager

Jay Chrystal - President/Laboratory Director

This report includes 5 pages.

ACCREDITED IN ACCORDANCE WITH nelac
Certificate Number 1008

ChemServe
ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories

Lab ID: 10070159

Sue Sylvester
124 Heritage Avenue
Portsmouth NH 03801

Control #: 85987
Project Number: N/A
Project Name: Formaldehyde
Project Location: N/A

Date: 7/27/2010

Lab ID: 10070159

Sample Receiving and Comment Summary

Were Samples Submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling?	Yes
Were samples for Volatile organic analysis free of headspace (per method)?	N/A
Was the cooler temperature recorded?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
If samples for dissolved metals were not filtered were they filtered in the lab?	N/A

Sample	Method	Client Identity	Matrix	Analyst
10070159-001	SW 8315A	19546-01(Frac Tank 4-10)	Wastewater	TimD

Comment: no comment

** Blank comment sections denote "No Comment"*

ChemServe ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories
Sue Sylvester
124 Heritage Avenue
Portsmouth NH 03801

Control #: 85987
Project Number: N/A
Project Name: Formaldehyde
Project Location: N/A

Analytical Results
Lab ID: 10070159
Date: 7/27/2010

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10070159-001	SW 8315A	19546-01(Frac Tank 4-10)		Wastewater	CalebH

Start Date/Time Sampled: 7/12/2010 9:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction Formaldehyde				7/14/2010 3:50:00 PM	1	0
Formaldehyde	50-00-0	110 ug/L		7/16/2010	1	25

Qualifier:	Description:
B-	Method blank contaminated with target analyte.
B1-	BOD had total oxygen loss. Result reported as ">"the highest dilution.
B2-	BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G-	Reporting limit elevated due to matrix interference.
H-	Method prescribed holding time exceeded.
J-	Indicates an estimated value. Value is less than the quantitation limit.
LH-	Laboratory control spike(s) was high. Results may be biased high.
LL-	Laboratory control spike(s) was low. Results may be biased low.
MH-	Matrix spike recovery high due to matrix. Results may be biased high.
ML-	Matrix spike recovery low due to matrix. Results may be biased low.
NC-	Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R-	RPD outside acceptable recovery limits.
RO-	Sample received out of holding time.
SH-	Surrogate recovery high due to matrix
SL-	Surrogate recovery low due to matrix
TNTC-	Too numerous to count.
U-	BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.

chemserve

PAGE 1 OF 1

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: See above

Company Address:

Report To: Jane Birkland

Phone #:

Invoice To: Sue Sylvester

Project Name:

Project #: 19546

Project Location: NH MA ME VT Other

Protocol: RCRA SDWA NPDES MCP NHDES OTHER

Reporting Limits: QAPP GW-1 S-1 EPA DW Other

Quote # [ ] NH GREE/ODD Fund Pricing

PO # 19546

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	Formaldehyde	Grab (G) or Composite (C)
	19546-01 (Frac Tank 4-10)		X									7/12/10	0940	BP	X	

☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP ☐ VOC 624 ☐ VOC BTEX ☐ MTBE, only ☐ VOC 8021VT ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ TPH ☐ DRO 8015 ☐ MEDRC ☐ EPH MADEP ☐ TPH Fingerprint ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1 ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ O&G 1664 ☐ Mineral O&G SM5520F ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Total Metals-list: ☐ Dissolved Metals-list: ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide Subcontract ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

TAT REQUESTED
Priority (24 hr)** [ ]
Expedited (48 hr)** [ ]
Standard (10 Business Days) [ ]
**Date Needed

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS PDF results, Please call w/ questions. Thanks.

REPORTING INSTRUCTIONS [X] PDF (e-mail address) JaneB@Reslabs.com + Jennifer2@Reslabs.com
[ ] HARD COPY REQUIRED [ ] FAX (FAX#) [ ] OTHER (specify)

RECEIVED ON ICE [ ] YES [ ] NO
TEMPERATURE 4° °C

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
Relinquished by: J W Enereth	7/12/10	1415	Received by: UPS	7/12/10	
Relinquished by:			Received by Laboratory: Way Bill#: Victoria L Pecott	7/13/10	1030

10070159 7/13

Chain of Custody No. 85987

Multiple COC's Yes No

ChemServe ENVIRONMENTAL ANALYSTS

CHAIN OF CUSTODY

317 Elm Street Milford, NH 03055
(603) 673-5440/ Fax (603) 673-0366

(A) CUSTOMER INFORMATION	(B) PROJECT INFORMATION	(C) SAMPLE INFORMATION
CUSTOMER: Resource Labs	JOB NAME:	TURNAROUND TIME: (CIRCLE ONE:)
ADDRESS:	JOB NUMBER:	STANDARD RUSH
CITY/STATE/ZIP	LOCATION:	RUSH T.A.T. ____ (CHECK w/LAB)
TELEPHONE:	TELEPHONE:	MCP ☐ YES ☐ NO ☐ GW1 ☐ GW2 ☐ GW3
REPORT TO:	CONTACT:	
P.O. NUMBER:	QUOTE NUMBER:	

STATION # (D)	SAMPLE IDENTIFICATION & LOCATION (E)	COLLECTED (F)	(G)	SAMPLE TYPE GRAB (H)	COMP	(I) MATRIX SOLID (S) LIQUID (L) COMBINED (C) HAZARD (H)	(J) # OF CONTAINERS	(K) CONTAINER AND PRESERVATIVE	(L) ANALYSIS
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						

(M) CUSTODY		DATE	MILITARY TIME
SAMPLER: (print name)			
SIGNATURE:			
RELINQUISHED:		DATE	TIME
RECEIVED:		DATE	TIME
RELINQUISHED:		DATE	TIME
RECEIVED FOR LAB:	Victoria L Ricott	7/13/10	1030

SAMPLE CHECK LIST:
RECEIVED WITHIN HOLD TIME YES OR NO
RECEIVED IN GOOD CONDITION YES OR NO
TEMP BLANK 4° °C
SHIPPED OR HAND DELIVERED
SAMPLES WERE PROPERLY PRESERVED YES NO N/A
SAMPLES WERE FILTERED IN FIELD LAB N/A
IF NO EXPLAIN:

GROUP # 10070159 7/27

FIELD READING(S) & COMMENTS:

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19546
Date Received: 7/12/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 8/5/2010
Total number of pages: 5

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Lab ID: 19546
Lab Number: 19546-001
Sample ID: Frac Tank-4-10
Matrix: Water
Sampled: 7/12/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
diethyl ether	**41**	5	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
tetrahydrofuran (THF)	**1100**	50	ug/L	5	LMM		1001536	7/16/10	18:27	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
benzene	**7**	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
m&p-xylenes	**23**	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B

Project ID: Dover Landfill 2009-009
Lab ID: 19546
Lab Number: 19546-001
Sample ID: Frac Tank-4-10
Matrix: Water
Sampled: 7/12/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	3	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	95	78-114	%	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
toluene-D8 SUR	100	88-110	%	1	LMM		1001536	7/16/10	15:17	SW5030B8260B
4-bromofluorobenzene SUR	96	86-115	%	1	LMM		1001536	7/16/10	15:17	SW5030B8260B

Project ID: Dover Landfill 2009-009
Lab ID: 19546

Lab Number: 19546-001
Sample ID: Frac Tank-4-10
Matrix: Water
Sampled: 7/12/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Antimony	< 0.006	0.006	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Arsenic	**0.018**	0.008	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Beryllium	< 0.004	0.004	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Cadmium	< 0.004	0.004	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Copper	< 0.05	0.05	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Lead	< 0.008	0.008	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	7/16/10	3447	7/16/10	12:14	SW7470A
Molybdenum	< 0.05	0.05	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Nickel	< 0.05	0.05	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Selenium	< 0.05	0.05	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Thallium	< 0.002	0.002	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B
Zinc	< 0.05	0.05	mg/L	1	BJS	7/15/10	3443	7/15/10	14:56	SW3005A6010B

Lab Number: 19546-001
Sample ID: Frac Tank-4-10
Matrix: Water
Sampled: 7/12/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Biochemical Oxygen Demand (BOD)	**17**	5	mg/L	1	APA		1001527	7/14/10	6:45	SM5210B
Cyanide, total	< 0.02	0.02	mg/L	1	APA		1001499	7/14/10		SM4500CN-E
Phenols (total)	< 0.05	0.05	mg/L	1	APA		1001512	7/15/10		E420.1
Sulfide	< 0.04	0.04	mg/L	1	APA		1001482	7/13/10		SM4500-S
Total Suspended Solids (TSS)	**16**	5	mg/L	1	APA		1001531	7/15/10		SM2540D
pH	**7.1** *		pH	1	JLZ		1001483	7/12/10	16:16	SM4500H+B

* Sample was received beyond method holding time.

RL Resource Laboratories, LLC
124 Heritage Avenue
Portsmouth, NH 03801

19546

Voice: 603-436-2001
Fax: 603-430-2100

CHAIN OF CUSTODY DOCUMENTATION

Client: GeoInsight 2	Contact: Brian Poulin (GII1)	Phone: 978-692-1114 Fax: 978-692-1115	Page 1 of 1
Report to: Christene Binger, Kristin Zeman	Address: 5 Lon Drive	Project Name/Number: Dover Landfill 2009-009	
Invoice to: GII 1	Westford, MA	Project State: NH	
PO#: Quote #:		Protocol: NPDES	

Lab Number: (assigned by laboratory)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Container Size (mL)	Container Type (P/G/T)	Field Preservation	Matrix S=Soil W=Water	Analyses Requested: Special Instructions:
19546-01	Frac Tank 4-10	7/12/10	0940	B. Poulin	2*40	G	HCl	W=Water	VOC 8260 Std. +THF&Vinyl Acetate
					60	P	None	W=Water	pH
					500	P	None	W=Water	BOD
					500	P	None	W=Water	TSS
					250	P	HNO3	W=Water	Metals- see list below
					250	G-Amber	H2SO4	W=Water	Phenol- wet chem
					125	P	NaOH	W=Water	Total Cyanide
					125	P	Zn Acetate/NaOH	W=Water	Sulfide
					1L	G-Amber	None	W=Water	Formaldehyde-sub to Chem Serve
							Always lowest DLs please		
~~19546-02~~	~~TRIP BLANK~~	~~7/12/10~~	NOT	RCVD	8/5/10				VOZ

Relinquished by: B. Poulin	Date: 7/12/10	Time: 1135	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Alan [illegible] Date: 7-12-10 Time: 11:35

Reporting Instructions: PDF (Email Address: cabinger@geoinc.com & kezeman@geoinc.com) Excel Spreadsheet

Received on ice? Y N
Temp: 22

TAT Requested: 5 days FIRM

Comments: METALS LIST (6010): Ag, As, Be, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, Zn

DOVER LF SAMPLES APR-DEC each year

ChemServe ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055

(603) 673-5440
Fax (603) 673-0366
Sales@chemservelab.com

Friday, June 25, 2010

Jane Borkland
Resource Laboratories
124 Heritage Avenue
Portsmouth NH 03801

Project Name: Formaldehyde
Project #: N/A
Project Location: N/A
Control #: 85956

Lab ID: 10060109
Date Received: 6/9/2010

Dear Jane Borkland

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx

Heather Beaudoin - QA/QC Manager

Jay Chrystal - President/Laboratory Director

This report includes 5 pages.

ACCREDITED IN ACCORDANCE WITH nelac
Certificate Number 1008

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories
Jane Borkland
124 Heritage Avenue
Portsmouth NH 03801

Control #: 85956
Project Number: N/A
Project Name: Formaldehyde
Project Location: N/A

Analytical Results
Lab ID: 10060109
Date: 6/25/2010

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10060109-001	SW 8315A	19323-01 FracTank 03-10		Wastewater	CalebH

Start Date/Time Sampled: 6/8/2010 8:15:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction Formaldehyde				6/10/2010 8:50:00 AM	1	0
Formaldehyde	50-00-0	290 ug/L		6/10/2010	1	25

Qualifier:	Description:
B-	Method blank contaminated with target analyte.
B1-	BOD had total oxygen loss. Result reported as ">"the highest dilution.
B2-	BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G-	Reporting limit elevated due to matrix interference.
H-	Method prescribed holding time exceeded.
J-	Indicates an estimated value. Value is less than the quantitation limit.
LH-	Laboratory control spike(s) was high. Results may be biased high.
LL-	Laboratory control spike(s) was low. Results may be biased low.
MH-	Matrix spike recovery high due to matrix. Results may be biased high.
ML-	Matrix spike recovery low due to matrix. Results may be biased low.
NC-	Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R-	RPD outside acceptable recovery limits.
RO-	Sample received out of holding time.
SH-	Surrogate recovery high due to matrix
SL-	Surrogate recovery low due to matrix
TNTC-	Too numerous to count.
U-	BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.

Chem Serve

PAGE 1 OF 1

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: See Above
Company Address:
Report To: Jane Borkland
Phone #:
Invoice To: Sue Sylvester

Project Name:
Project #: 19323
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA (NPDES) MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO # 19323

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP	☐ VOC 624 ☐ VOC BTEX ☐ MBE, only ☐ VOC 8021VT	☐ VPH MADEP ☐ MEGRO ☐ GRO 8015	☐ VOC 524.2 ☐ VOC 524.2 NH List	☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint	☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1	☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB	☐ O&G 1664 ☐ Mineral O&G SM5520F	☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity	☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity	☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	☐ Total Metals-list:	☐ Dissolved Metals-list:	☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON	☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN	☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P	☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride	☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide	Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides	X formaldehyde			Grab (G) or Composite (C)
	19323-01 (Frac Tank-03-10)	1	✓									6/8/10	0815																										

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed 5 day *

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
* if possible w/out rush charge ☺

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) janebc@reslabs.com & jenniferz@reslabs.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE ____ °C

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
[signature]	6/9/10	1047			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#: [signature]	6-9-10	10:47

[illegible] 6/23

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19323
Date Received: 6/8/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 6/25/2010
Total number of pages: 5

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Lab ID: 19323
Lab Number: 19323-001
Sample ID: Frac Tank-03-10
Matrix: Water
Sampled: 6/8/10 8:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
chloroethane	**4**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
diethyl ether	**100**	5	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
tetrahydrofuran (THF)	**3700**	50	ug/L	5	LMM		1001222	6/10/10	9:48	SW5030B8260B
Note: Results did not compare well with previous analysis of this sample. The higher concetrations are reported. No additional sample remains for reanalysis.										
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
benzene	**26**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
toluene	**12**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
chlorobenzene	**2**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B

Project ID: Dover Landfill 2009-009
Lab ID: 19323
Lab Number: 19323-001
Sample ID: Frac Tank-03-10
Matrix: Water
Sampled: 6/8/10 8:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
ethylbenzene	**21**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
m&p-xylenes	**79**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
o-xylene	**20**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
isopropylbenzene	**19**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,3,5-trimethylbenzene	**4**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2,4-trimethylbenzene	**6**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
4-isopropyltoluene	**3**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2-dichlorobenzene	**2**	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	98	78-114	%	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
toluene-D8 SUR	104	88-110	%	1	LMM		1001222	6/10/10	9:14	SW5030B8260B
4-bromofluorobenzene SUR	100	86-115	%	1	LMM		1001222	6/10/10	9:14	SW5030B8260B

Project ID: Dover Landfill 2009-009
Lab ID: 19323

Lab Number: 19323-001
Sample ID: Frac Tank-03-10
Matrix: Water
Sampled: 6/8/10 8:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Antimony	**0.010**	0.006	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Arsenic	**0.24**	0.008	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Beryllium	< 0.004	0.004	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Cadmium	< 0.004	0.004	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Copper	< 0.05	0.05	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Lead	< 0.008	0.008	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	6/10/10	3360	6/10/10	11:51	SW7470A
Molybdenum	< 0.05	0.05	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Nickel	< 0.05	0.05	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Selenium	< 0.05	0.05	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Thallium	< 0.002	0.002	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B
Zinc	< 0.05	0.05	mg/L	1	BJS	6/10/10	3359	6/10/10	15:14	SW3005A6010B

Lab Number: 19323-001
Sample ID: Frac Tank-03-10
Matrix: Water
Sampled: 6/8/10 8:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Biochemical Oxygen Demand (BOD)	**23**	5	mg/L	1	APA		1001246	6/9/10	5:45	SM5210B
Cyanide, total	< 0.02	0.02	mg/L	1	APA		1001233	6/11/10		SM4500CN-E
Phenols (total)	< 0.05	0.05	mg/L	1	APA		1001208	6/10/10		E420.1
Sulfide	< 0.04	0.04	mg/L	1	APA		1001200	6/9/10		SM4500-S
Total Suspended Solids (TSS)	**80**	5	mg/L	1	APA		1001232	6/10/10		SM2540D
pH	**6.6** *		pH	1	JLZ		1001198	6/8/10	15:15	SM4500H+B

*= Sample was received beyond method holding time.

RL Resource Laboratories, LLC
124 Heritage Avenue
Portsmouth, NH 03801

Voice: 603-4
Fax: 603-4

19323

CHAIN OF CUSTODY DOCUMENTATION

Client:	Geoinsight 2	Contact:	Brian Poulin (GI1)	Phone: 978-692-1114 Fax: 978-692-1115	Page 1 of 1
Report to:	Christene Binger, Kristin Zeman	Address:	5 Lan Drive	Project Name/Number: Dover Landfill 2009-009	
Invoice to:	GI 1		Westford, MA	Project State: **NH**	
PO#:	Quote #:			Protocol: **NPDES**	

Lab Number: (assigned by laboratory)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Container Size (mL)	Container Type (P/G/T)	Field Preservation	Matrix S=Soil W=Water	Analyses Requested: Special Instructions:
19323-01	Frac Tank - 03-10	6/8/10	0815	B. Poulin	2*40	G	HCl	W=Water	VOC 8260 Std. +THF&Vinyl Acetate
					60	P	None	W=Water	pH
					500	P	None	W=Water	BOD
					500	P	None	W=Water	TSS
					250	P	HNO3	W=Water	Metals- see list below
					250	G-Amber	H2SO4	W=Water	Phenol- wet chem
					125	P	NaOH	W=Water	Total Cyanide
					125	P	Zn Acetate/NaOH	W=Water	Sulfide
					1L	G-Amber	None	W=Water	Formaldehyde-sub to Chem Serve
							Always lowest DLs please		

Relinquished by: B. Poulin	Date: 6/8/10	Time: 1530	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: | Time:
Date: | Time:
Date: 6/8/10 | Time: 1130

Reporting Instructions: PDF (Email Address: cbinger@geoinc.com & kzeman@geoinc.com) Excel Spreadsheet

Received on ice? Y N
Temp: 6.2°C

TAT Requested: 5 days FIRM

Comments: METALS LIST (6010): Ag, As, Be, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, Zn

DOVER LF SAMPLES APR-DEC each year

5

ChemServe
ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055

(603) 673-5440
Fax (603) 673-0366
Sales@chemservelab.com

Saturday, May 22, 2010

Sue Sylvester
Resource Laboratories
124 Heritage Avenue
Portsmouth NH 03801

Project Name: Formaldehyde
Project #: N/A
Project Location: N/A
Control #: 84053

Lab ID: 10050160
Date Received: 5/12/2010

Dear Sue Sylvester

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx

Heather Beaudoin - QA/QC Manager

Jay Chrystal - President/Laboratory Director

ChemServe
ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories

Sue Sylvester
124 Heritage Avenue
Portsmouth NH 03801

Control #: 84053
Project Number: N/A
Project Name: Formaldehyde
Project Location: N/A

Lab ID: 10050160
Date: 5/22/2010

Lab ID: 10050160

Sample Receiving and Comment Summary

Were Samples Submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling?	Yes
Were samples for Volatile organic analysis free of headspace (per method)?	N/A
Was the cooler temperature recorded?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
If samples for dissolved metals were not filtered were they filtered in the lab?	N/A

Sample	Method	Client Identity	Matrix	Analyst
10050160-001	SW 8315A	19139-01 FracTank-2-10	Wastewater	TimD

Comment: no comment

** Blank comment sections denote "No Comment"*

ChemServe ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories
Sue Sylvester
124 Heritage Avenue
Portsmouth NH 03801

Control #: 84053
Project Number: N/A
Project Name: Formaldehyde
Project Location: N/A

Analytical Results
Lab ID: 10050160
Date: 5/22/2010

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10050160-001	SW 8315A	19139-01 FracTank-2-10		Wastewater	CalebH

Start Date/Time Sampled: 5/11/2010 8:00:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction Formaldehyde				5/13/2010 3:30:00 PM	1	0
Formaldehyde	50-00-0	310 ug/L		5/18/2010	1	25

Qualifier:	Description:
B-	Method blank contaminated with target analyte.
B1-	BOD had total oxygen loss. Result reported as ">"the highest dilution.
B2-	BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G-	Reporting limit elevated due to matrix interference.
H-	Method prescribed holding time exceeded.
J-	Indicates an estimated value. Value is less than the quantitation limit.
LH-	Laboratory control spike(s) was high. Results may be biased high.
LL-	Laboratory control spike(s) was low. Results may be biased low.
MH-	Matrix spike recovery high due to matrix. Results may be biased high.
ML-	Matrix spike recovery low due to matrix. Results may be biased low.
NC-	Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R-	RPD outside acceptable recovery limits.
RO-	Sample received out of holding time.
SH-	Surrogate recovery high due to matrix
SL-	Surrogate recovery low due to matrix
TNTC-	Too numerous to count.
U-	BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.

Chem Serve

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: Sea Alone
Company Address:
Report To: Jane Borkland
Phone #:
Invoice To: Sue Sylvester

Project Name:
Project #: 19139
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA (NPDES) MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote #
☐ NH GREE/ODD Fund Pricing
PO # 19139

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*
	19139-01 (FracTank 210)	1	X									5/11/10	0800	

ANALYSIS REQUE

☐ VOC 8260	☐ VOC 8260 NHDES	☐ VOC 8260 MADEP	☐ VOC 624	☐ VOC BTEX	☐ MIBE, only	☐ VOC 8021VT	☐ VPH MADEP	☐ MEGRO	☐ GRO 8015	☐ VOC 524.2	☐ VOC 524.2 NH List	☐ TPH	☐ DRO 8015	☐ MEDRO	☐ EPH MADEP	☐ TPH Fingerprint	☐ 8270PAH	☐ 8270ABN	☐ 625	☐ EDB 504.1	☐ 8082 PCB	☐ 8081 Pesticides	☐ 608 Pest/PCB	☐ O&G 1664	☐ Mineral O&G SM5520F	☐ pH	☐ BOD	☐ Conductivity	☐ Turbidity	☐ TSS	☐ TDS	☐ TS	☐ TVS	☐ Alkalinity	☐ RCRA Metals	☐ Priority Pollutant Metals	☐ TAL Metals	☐ Total Metals-list:	☐ Dissolved Metals-list:	☐ Ammonia	☐ COD	☐ TKN	☐ TN	☐ TON	☐ T-Phosphorus	☐ Phenols	☐ Bacteria P/A	☐ Bacteria MPN

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed: *

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
* 5/19 if possible ☺

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) janeb@reslabs.com & jennifer@reslabs.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	5/12/10	11:30	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:

10050160 5/26

A CUSTOMER INFORMATION	B PROJECT INFORMATION	C
CUSTOMER: Resource Labs.	JOB NAME:	
ADDRESS:	JOB NUMBER:	
CITY/STATE/ZIP	LOCATION:	
TELEPHONE:	TELEPHONE:	MC
REPORT TO:	CONTACT:	
P.O. NUMBER:	QUOTE NUMBER:	

STATION # (D)	SAMPLE IDENTIFICATION & LOCATION (E)	COLLECTED (F) DATE	COLLECTED (G) TIME	SAMPLE TYPE (H) GRAB	SAMPLE TYPE (H) COMP	(I) MATRIX SOLID (S) LIQUID (L) COMBINED (C) HAZARD (H)	(J) # OF CONTAINERS	(K) CONTAINER AND PRESERVATIVE
		DATE	TIME					
		DATE	TIME					
		DATE	TIME					
		DATE	TIME					
		DATE	TIME					
		DATE	TIME					
		DATE	TIME					
		DATE	TIME					

(M) CUSTODY

SAMPLER: (print name) _____ SIGNATURE: _____

	DATE	MILITARY TIME
RELINQUISHED:	DATE	TIME
RECEIVED:	DATE	TIME
RELINQUISHED:	DATE	TIME
RECEIVED FOR LAB: Victoria L Ricott	5/25/10	1150

SAMPLE CHECK LIST:
RECEIVED WITHIN HOLD TIME (YES) OR NO
RECEIVED IN GOOD CONDITION (YES) OR NO
TEMP BLANK EC °C
SHIPPED OR (HAND) DELIVERED
SAMPLES WERE PROPERLY PRESERVED (YES) N
SAMPLES WERE FILTERED IN FIELD LAB (
IF NO EXPLAIN:

GROUP# 100501460

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
5 Lan Drive
Westford, MA 01886

PO Number: None
Job ID: 19139
Date Received: 5/11/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Sue Sylvester
Principal, General Manager

Date of Approval: 5/25/2010
Total number of pages: 5

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: 2009-009 Dover Landfill
Lab ID: 19139
Lab Number: 19139-001
Sample ID: Frac Tank-2-10
Matrix: Water
Sampled: 5/11/10 8:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
diethyl ether	**120**	5	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
2-butanone (MEK)	**12**	10	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
tetrahydrofuran (THF)	**2000**	50	ug/L	5	LMM		1000983	5/15/10	12:37	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
benzene	**25**	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
toluene	**8**	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
ethylbenzene	**21**	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
m&p-xylenes	**67**	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B

Project ID: 2009-009 Dover Landfill
Lab ID: 19139
Lab Number: 19139-001
Sample ID: Frac Tank-2-10
Matrix: Water
Sampled: 5/11/10 8:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	17	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
isopropylbenzene	17	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,3,5-trimethylbenzene	3	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2,4-trimethylbenzene	6	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
4-isopropyltoluene	4	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2-dichlorobenzene	3	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	97	78-114	%	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
toluene-D8 SUR	121 *	88-110	%	1	LMM		1000983	5/15/10	12:00	SW5030B8260B
4-bromofluorobenzene SUR	94	86-115	%	1	LMM		1000983	5/15/10	12:00	SW5030B8260B

**** The surrogate showed recovery outside the acceptance limits as a result of co-eluting hydrocarbons.***

Project ID: 2009-009 Dover Landfill
Lab ID: 19139

Lab Number: 19139-001
Sample ID: Frac Tank-2-10
Matrix: Water
Sampled: 5/11/10 8:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Antimony	**0.007**	0.006	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Arsenic	**0.031**	0.008	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Beryllium	< 0.004	0.004	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Cadmium	< 0.004	0.004	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Copper	< 0.05	0.05	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Lead	< 0.008	0.008	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	5/13/10	3267	5/13/10	13:22	SW7470A
Molybdenum	< 0.05	0.05	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Nickel	< 0.05	0.05	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Selenium	< 0.05	0.05	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Thallium	< 0.002	0.002	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B
Zinc	< 0.05	0.05	mg/L	1	BJS	5/12/10	3266	5/12/10	15:12	SW3005A6010B

Lab Number: 19139-001
Sample ID: Frac Tank-2-10
Matrix: Water
Sampled: 5/11/10 8:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Biochemical Oxygen Demand (BOD)	**17**	5	mg/L	1	APA		1000978	5/12/10	6:45	SM5210B
Cyanide, total	< 0.02	0.02	mg/L	1	APA		1000953	5/13/10		SM4500CN-E
Phenols (total)	< 0.05	0.05	mg/L	1	APA		1000969	5/14/10		E420.1
Sulfide	< 0.04	0.04	mg/L	1	APA		1000940	5/12/10		SM4500-S
Total Suspended Solids (TSS)	**78**	5	mg/L	1	APA		1000985	5/14/10		SM2540D
pH	**6.2** *		pH	1	APA		1000942	5/11/10	13:25	SM4500H+B

*= Sample was received beyond method holding time.

RL Resource Laboratories, LLC
124 Heritage Avenue
Portsmouth, NH 03801

Voice: 603-43 19139
Fax: 603-43

CHAIN OF CUSTODY DOCUMENTATION

Client:	Geosight 2	Contact:	Brian Poulin (Gil)	Phone: 978-692-1114 Fax: 978-692-1115	Page 1 of 1
Report to:	Christene Binger, Kristin Zemon	Address:	5 Lon Drive	Project Name/Number: Dover Landfill 2009-009	
Invoice to:	Gil 1		Westford, MA	Project State: NH	
PO#:	Quote #:			Protocol: NPDES	

Lab Number: (assigned by laboratory)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Container Size (mL)	Container Type (P/G/T)	Field Preservation	Matrix S=Soil W=Water	Analyses Requested: Special Instructions:
19139-01	Frac Tank - 2 - 10	5/11/10	0800	B.Poulin	2x40	G	HCl	W=Water	VOC 8260 Std. +THF&Vinyl Acetate
					60	P	None	W=Water	pH
					500	P	None	W=Water	BOD
					500	P	None	W=Water	TSS
					250	P	HNO3	W=Water	Metals- see list below
					250	G-Amber	H2SO4	W=Water	Phenol- wet chem
					125	P	NaOH	W=Water	Total Cyanide
					125	P	Zn Acetate/NaOH	W=Water	Sulfide
					1L	G-Amber	None	W=Water	Formaldehyde-sub to Chem Serve
							Always lowest DLs please		

Relinquished by: B.Poulin	Date: 5/11/10	Time: 1315	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: | Time:
Date: | Time:
Date: 5/11/10 | Time: 1315

Reporting Instructions: PDF (Email Address: cabinger@geoinc.com & kezemon@geoinc.com) Excel Spreadsheet

Received on ice? Y N
Temp: 9.2

TAT Requested: 5 days FIRM

Comments: METALS LIST (6010): Ag, As, Be, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, Zn

DOVER LF SAMPLES APR-DEC each year

5

ChemServe ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055

(603) 673-5440
Fax (603) 673-0366
Sales@chemservelab.com

Friday, May 07, 2010

Sue Sylvester
Resource Laboratories
124 Heritage Avenue
Portsmouth NH 03801

Project Name: 19007-01
Project #: 19007-01
Project Location: 19007-01
Control #: 83773

Lab ID: 10040352
Date Received: 4/28/2010

Dear Sue Sylvester

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx

Heather Beaudoin - QA/QC Manager

Jay Chrystal - President/Laboratory Director

This report includes 6 pages.

ACCREDITED IN ACCORDANCE WITH nelac

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories

Lab ID: 10040352

Sue Sylvester
124 Heritage Avenue
Portsmouth NH 03801

Control #: 83773
Project Number: 19007-01
Project Name: 19007-01
Project Location: 19007-01

Date: 5/7/2010

Lab ID: 10040352

Sample Receiving and Comment Summary

Were Samples Submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling?	Yes
Were samples for Volatile organic analysis free of headspace (per method)?	N/A
Was the cooler temperature recorded?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
If samples for dissolved metals were not filtered were they filtered in the lab?	N/A

Sample	Method	Client Identity	Matrix	Analyst
10040352-001	SW 8315A	19007-01(Frac Tank)	Wastewater	TimD

Comment: no comment

** Blank comment sections denote "No Comment"*

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Resource Laboratories
Sue Sylvester
124 Heritage Avenue
Portsmouth NH 03801

Control #: 83773
Project Number: 19007-01
Project Name: 19007-01
Project Location: 19007-01

Analytical Results
Lab ID: 10040352
Date: 5/7/2010

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10040352-001	SW 8315A	19007-01(Frac Tank)		Wastewater	CalebH

Start Date/Time Sampled: 4/27/2010 9:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction Formaldehyde				4/30/2010 8:40:00 AM	1	0
Formaldehyde	50-00-0	410 ug/L		5/4/2010	1	25

Qualifier:	Description:
B-	Method blank contaminated with target analyte.
B1-	BOD had total oxygen loss. Result reported as ">"the highest dilution.
B2-	BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G-	Reporting limit elevated due to matrix interference.
H-	Method prescribed holding time exceeded.
J-	Indicates an estimated value. Value is less than the quantitation limit.
LH-	Laboratory control spike(s) was high. Results may be biased high.
LL-	Laboratory control spike(s) was low. Results may be biased low.
MH-	Matrix spike recovery high due to matrix. Results may be biased high.
ML-	Matrix spike recovery low due to matrix. Results may be biased low.
NC-	Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R-	RPD outside acceptable recovery limits.
RO-	Sample received out of holding time.
SH-	Surrogate recovery high due to matrix
SL-	Surrogate recovery low due to matrix
TNTC-	Too numerous to count.
U-	BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.

Chemserve

PAGE 1 OF

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: See Above
Company Address:
Report To: Jane Burkland
Phone #:
Invoice To: Sue Sylvester

Project Name:
Project #:
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO #

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*
	189007-01 (Frac Tank)	1	X									4/27	0940	

ANALYSIS REQUEST

☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
☐ VOC 624 ☐ VOC BTEX ☐ MtBE only ☐ VOC 8021VT
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015
☐ VOC 524.2 ☐ VOC 524.2 NH List
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
☐ Total Metals-list:
☐ Dissolved Metals-list:
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON
☐ T-Phosphorous ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides
Formaldehyde

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (5 Business Days) ☑
**Date Needed _____

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS
lowest DL's please ☺ (no hard copy required)

REPORTING INSTRUCTIONS ☑ PDF (e-mail address) janeb@reslabs.com; jennifert@reslabs.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) _____ ☐ OTHER (specify) _____

RECEIVED ON ICE ☑ YES
TEMPERATURE _____

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
	Relinquished by:	4/28/10	11	Received by:	4/28/10	10
	Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	4/28/10	11

10040352 5/5

Chain of Custody No. 83773

Multiple COC's Yes No

_____ _____ _____

ChemServe
ENVIRONMENTAL ANALYSTS

CHAIN OF CUSTODY

317 Elm Street Milford,
(603) 673-5440/ Fax (603

Ⓐ CUSTOMER INFORMATION

CUSTOMER: Resource Laboratories

ADDRESS: _____

CITY/STATE/ZIP _____

TELEPHONE: _____

REPORT TO: _____

P.O. NUMBER: _____

Ⓑ PROJECT INFORMATION

JOB NAME: _____

JOB NUMBER: _____

LOCATION: _____

TELEPHONE: _____

CONTACT: _____

QUOTE NUMBER: _____

Ⓒ SAMPLE INFORMATION

TURNAROUND TIME: (CIRCL

STANDARD R

RUSH T.A.T. _____ (CHECK

MCP ☐ YES ☐ NO ☐ GWI ☐ GW2

STATION # Ⓓ	SAMPLE IDENTIFICATION & LOCATION Ⓔ	COLLECTED Ⓕ DATE	COLLECTED Ⓖ TIME	SAMPLE TYPE Ⓗ GRAB	SAMPLE TYPE Ⓗ COMP	Ⓘ MATRIX SOLID (S) LIQUID (L) COMBINED (C) HAZARD (H)	Ⓙ # OF CONTAINERS	Ⓚ CONTAINER AND PRESERVATIVE	Ⓛ A
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						
		DATE	TIME						

Ⓜ CUSTODY

SAMPLER: _____ (print name)

SIGNATURE:

	DATE	MILITARY TIME
RELINQUISHED:	DATE	TIME
RECEIVED:	DATE	TIME
RELINQUISHED:	DATE	TIME
RECEIVED FOR LAB: Victoria L Pickett	4/28/10	1100

SAMPLE CHECK LIST:

RECEIVED WITHIN HOLD TIME (YES) OR NO

RECEIVED IN GOOD CONDITION (YES) OR NO

TEMP BLANK 5.0°C

SHIPPED OR (HAND) DELIVERED

SAMPLES WERE PROPERLY PRESERVED (YES) NO N/A

SAMPLES WERE FILTERED IN FIELD LAB (N/A)

IF NO EXPLAIN:

10040352

GROUP # 10040352 5/5

FIELD READING(S) & CC

Change Order

Company: Resource Laboratories

Laboratory #: 10040352 Control #: 83773

Sample Identification: -001

Spoke With	Taken By	Date/Time
Resource Labs	KB	4/28/10 230 pm

CHANGE REQUIRED: Circle One Customer Request Cancellation

Addition To/Subtraction From (Clarification) TAT

TAT: Standard Rush _____

Request:

Sample ID Should be 19007-01

Please also list this Sample ID as
client project # + PO#

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
5 Lan Drive
Westford, MA 01886

PO Number: None
Job ID: 19007
Date Received: 4/27/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 5/12/2010
Total number of pages: 5

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: 2009-009 Dover Landfill
Lab ID: 19007
Lab Number: 19007-001
Sample ID: Frac Tank
Matrix: Water
Sampled: 4/27/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
chloroethane	**4**	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
diethyl ether	**120**	5	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
2-butanone (MEK)	**31**	10	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
tetrahydrofuran (THF)	**1400**	50	ug/L	5	LMM		1000835	5/1/10	11:55	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
benzene	**27**	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
toluene	**7**	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
ethylbenzene	**20**	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
m&p-xylenes	**71**	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B

Project ID: 2009-009 Dover Landfill
Lab ID: 19007
Lab Number: 19007-001
Sample ID: Frac Tank
Matrix: Water
Sampled: 4/27/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	19	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
isopropylbenzene	18	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,3,5-trimethylbenzene	3	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2,4-trimethylbenzene	6	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
4-isopropyltoluene	3	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2-dichlorobenzene	3	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	104	78-114	%	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
toluene-D8 SUR	101	88-110	%	1	LMM		1000835	5/1/10	10:18	SW5030B8260B
4-bromofluorobenzene SUR	96	86-115	%	1	LMM		1000835	5/1/10	10:18	SW5030B8260B

Project ID: 2009-009 Dover Landfill
Lab ID: 19007

Lab Number: 19007-001
Sample ID: Frac Tank
Matrix: Water
Sampled: 4/27/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Antimony	**0.007**	0.006	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Arsenic	**0.072**	0.008	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Beryllium	< 0.004	0.004	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Cadmium	< 0.004	0.004	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Copper	< 0.05	0.05	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Lead	< 0.008	0.008	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	4/29/10	3232	4/29/10	15:08	SW7470A
Molybdenum	< 0.05	0.05	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Nickel	**0.05**	0.05	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Selenium	< 0.05	0.05	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Thallium	< 0.002	0.002	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B
Zinc	< 0.05	0.05	mg/L	1	BJS	4/28/10	3229	4/28/10	15:34	SW3005A6010B

Lab Number: 19007-001
Sample ID: Frac Tank
Matrix: Water
Sampled: 4/27/10 9:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Biochemical Oxygen Demand (BOD)	**25**	5	mg/L	1	APA		1000839	4/29/10	6:45	SM5210B
Cyanide, total	< 0.02	0.02	mg/L	1	APA		1000826	4/30/10		SM4500CN-E
Phenols (total)	< 0.05	0.05	mg/L	1	APA		1000831	5/3/10		E420.1
Sulfide	< 0.04	0.04	mg/L	1	APA		1000810	4/29/10		SM4500-S
Total Suspended Solids (TSS)	**61**	5	mg/L	1	APA		1000803	4/28/10		SM2540D
pH	**6.5** *		pH	1	JLZ		1000796	4/27/10	16:37	SM4500H+B

*= Sample was received beyond method holding time.

RL Resource Laboratories, LLC
124 Heritage Avenue
Portsmouth, NH 03801

Voice: 603-
Fax: 603-

19007

CHAIN OF CUSTODY DOCUMENTATION

Client:	GeoInsight 2	Contact:	Brian Poulin (GI1)	Phone: 978-692-1114 Fax: 978-692-1115		Page 1 of 1
Report to:	Christene Binger, Kristin Zeman	Address:	5 Lon Drive	Project Name/Number: Dover Landfill 2009-009		
Invoice to:	GI 1		Westford, MA	Project State: NH		
PO#:	Quote #:			Protocol: NPDES		

Lab Number: (assigned by laboratory)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Container Size (mL)	Container Type (P/G/T)	Field Preservation	Matrix S=Soil W=Water	Analyses Requested: Special Instructions:
19007-01	Frac Tank	4/27/10	9:40	KEZ	2*40	G	HCl	W=Water	VOC 8260 Std. +THF&Vinyl Acetate
					60	P	None	W=Water	pH
					500	P	None	W=Water	BOD
					500	P	None	W=Water	TSS
					250	P	HNO3	W=Water	Metals- see list below
					250	G-Amber	H2SO4	W=Water	Phenol- wet chem
					125	P	NaOH	W=Water	Total Cyanide
					125	P	Zn Acetate/NaOH	W=Water	Sulfide
					1L	G-Amber	None	W=Water	Formaldehyde-sub to Chem Serve
							Always lowest DLs please		

Relinquished by:	Date: 4/27/10 Time: 11:45	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by:	Date: 4/27/10 Time: 11:45

Reporting Instructions: PDF (Email Address: .cbinger@geoinc.com & kezeman@geoinc.com) Excel Spreadsheet

Received on ice (Y) N
Temp: 3

TAT Requested: 5 days FIRM

Comments: METALS LIST (6010): Ag, As, Be, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, Zn

DOVER LF SAMPLES APR-DEC each year

5

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19651
Date Received: 7/27/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 8/2/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Job ID: 19651
Sample#: 19651-001
Sample ID: MW-206I
Matrix: Water
Sampled: 7/27/10 10:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
diethyl ether	**97**	5	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
tetrahydrofuran (THF)	**1300**	50	ug/L	5	LMM		1001663	7/28/10	3:31	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
benzene	**28**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
chlorobenzene	**4**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
ethylbenzene	**22**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
m&p-xylenes	**60**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19651

Sample#: 19651-001
Sample ID: MW-206I
Matrix: Water
Sampled: 7/27/10 10:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**15**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
isopropylbenzene	**15**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,3,5-trimethylbenzene	**4**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2,4-trimethylbenzene	**6**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
4-isopropyltoluene	**3**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2-dichlorobenzene	**4**	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	99	78-114	%	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	LMM		1001663	7/28/10	2:29	SW5030B8260B
4-bromofluorobenzene SUR	96	86-115	%	1	LMM		1001663	7/28/10	2:29	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

Project ID: Dover Landfill 2009-009
Job ID: 19651
Sample#: 19651-002
Sample ID: SB-4D
Matrix: Water
Sampled: 7/27/10 10:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
chloroethane	**8**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
diethyl ether	**170**	5	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
tetrahydrofuran (THF)	**1300**	50	ug/L	5	LMM		1001663	7/28/10	4:03	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
benzene	**39**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
toluene	**19**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
ethylbenzene	**37**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
m&p-xylenes	**160**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19651
Sample#: 19651-002
Sample ID: SB-4D
Matrix: Water
Sampled: 7/27/10 10:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**39**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
isopropylbenzene	**30**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,3,5-trimethylbenzene	**6**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2,4-trimethylbenzene	**12**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
4-isopropyltoluene	**4**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,4-dichlorobenzene	**3**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2-dichlorobenzene	**3**	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	96	78-114	%	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	LMM		1001663	7/28/10	3:00	SW5030B8260B
4-bromofluorobenzene SUR	98	86-115	%	1	LMM		1001663	7/28/10	3:00	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19651

Company Name: GeoInsight
Company Address: 1 Monarch Drive Suite 201 Littleton, MA 01460
Report To: KEzeman, CABinger
Phone #: 978-679-1600
Invoice To: GeoInsight

Project Name: Dover Landfill
Project #: 2009-009
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote #
PO #

ANALYSIS REQUEST

☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP + TIC
☐ VOC 624 ☐ VOC BTEX ☐ MtBE only
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015
☐ VOC 524.2 ☐ VOC 524.2 NH List
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
☐ Total Metals-list
☐ Dissolved Metals-list
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	Grab (G) or Composite (C)
19651-01	MW-2002	3	X			X						7/27/10	1000	BP	G
↓ 02	SB3-410	3	X			X						↓	1010	↓	G

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed 5day

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS: Lowest possible DTL's.

REPORTING INSTRUCTIONS ☐ NO HARD COPY REQUIRED ☐ FAX (FAX#) ☐ EXCEL SPREADSHEET
☒ PDF (e-mail address) KEzeman@Geoinsight.com, CABinger@Geoinsight.com ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 8 °C

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
B. Padin	7/27/10	1120			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#	Date	Time
				7/27/10	1120

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19545
Date Received: 7/12/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 7/21/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Job ID: 19545
Sample#: 19545-001
Sample ID: MW-206I
Matrix: Water
Sampled: 7/12/10 10:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
diethyl ether	**94**	5	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
acetone	**59**	50	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
2-butanone (MEK)	**120**	10	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
tetrahydrofuran (THF)	**1500**	50	ug/L	5	LMM		1001536	7/16/10	17:24	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
benzene	**27**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
chlorobenzene	**4**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
ethylbenzene	**22**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
m&p-xylenes	**61**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19545
Sample#: 19545-001
Sample ID: MW-206I
Matrix: Water
Sampled: 7/12/10 10:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**15**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
isopropylbenzene	**15**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,3,5-trimethylbenzene	**3**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2,4-trimethylbenzene	**6**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
4-isopropyltoluene	**2**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2-dichlorobenzene	**4**	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	99	78-114	%	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
toluene-D8 SUR	101	88-110	%	1	LMM		1001536	7/16/10	14:15	SW5030B8260B
4-bromofluorobenzene SUR	96	86-115	%	1	LMM		1001536	7/16/10	14:15	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

Project ID: Dover Landfill 2009-009
Job ID: 19545
Sample#: 19545-002
Sample ID: SB-4D
Matrix: Water
Sampled: 7/12/10 10:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
chloroethane	**8**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
diethyl ether	**160**	5	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
tetrahydrofuran (THF)	**1100**	50	ug/L	5	LMM		1001536	7/16/10	17:55	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
benzene	**37**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
toluene	**20**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
ethylbenzene	**36**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
m&p-xylenes	**150**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19545
Sample#: 19545-002
Sample ID: SB-4D
Matrix: Water
Sampled: 7/12/10 10:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**37**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
isopropylbenzene	**34**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,3,5-trimethylbenzene	**6**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2,4-trimethylbenzene	**11**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
4-isopropyltoluene	**4**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,4-dichlorobenzene	**3**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2-dichlorobenzene	**3**	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	95	78-114	%	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
toluene-D8 SUR	101	88-110	%	1	LMM		1001536	7/16/10	14:46	SW5030B8260B
4-bromofluorobenzene SUR	95	86-115	%	1	LMM		1001536	7/16/10	14:46	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19545

Company Name: GeoInsight
Company Address: 1 Monarch Drive Suite 201 Littleton, MA 01460
Report To: KEZeman CABinger
Phone #: 978-679-1600 978-679-1601
Invoice To: GeoInsight

Project Name: Dover Landfill
Project #: 2009-009
Project Location: (NH) MA ME VT ___ Other
Protocol: RCRA SDWA (NPDES) MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other___
Quote #___
PO #___

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	ANALYSIS REQUEST: ☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP + THF	Grab (G) or Composite (C)
19545-01	MW-206I	3	X			X						7/12/10	1040	BP	X	6
-02	SB-40	3	X			X						↓	1050	↓	X	6

ANALYSIS REQUEST: ☐ VOC 8260 ☐ VOC 624 ☐ VPH MADEP ☐ VOC 524.2 ☐ TPH ☐ 8270PAH ☐ 8082 PCB ☐ 08G 1664 ☐ pH ☐ TSS ☐ RCRA Metals ☐ Total Metals-list ☐ Dissolved Metals-list ☐ Ammonia ☐ T-Phosphorus ☐ Cyanide ☐ Nitrate ☐ Corrosivity ☐ TCLP Metals ☐ Subcontract: ☐ VOC 8260 MADEP + THF ☐ VOC BTEX ☐ MTBE, only ☐ MEGRO ☐ GRO 8015 ☐ VOC 524.2 NH List ☐ DRO 8015 ☐ MEDRO ☐ 8270ABN ☐ 8081 Pesticides ☐ Conductivity ☐ Turbidity ☐ Alkalinity ☐ TVS ☐ Priority Pollutant Metals ☐ TAL Metals ☐ 625 ☐ EDB 504.1 ☐ 608 Pest/PCB ☐ Mineral O&G SM5520F ☐ TS ☐ TKN ☐ TN ☐ TON ☐ Phenols ☐ Bacteria P/A ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed 5day

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS Lowest DL's possible

REPORTING INSTRUCTIONS ☐ NO HARD COPY REQUIRED ☐ FAX (FAX#)___ ☐ EXCEL SPREADSHEET
☒ PDF (e-mail address) KEZeman@Geoinc.com CABinger@Geoinc.com ☐ OTHER (specify)___

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 12 °C

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
D. Poulin	7/12/10	1135			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: Alex + Kelli	Date	Time
			Way Bill#:	7-12-10	11:35

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Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19472
Date Received: 6/29/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 7/8/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Job ID: 19472
Sample#: 19472-001
Sample ID: MW-206I
Matrix: Water
Sampled: 6/29/10 10:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
chloroethane	**2**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
diethyl ether	**110**	5	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
tetrahydrofuran (THF)	**1500**	50	ug/L	5	LMM		1001436	7/1/10	3:45	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
benzene	**30**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
toluene	**3**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
chlorobenzene	**4**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
ethylbenzene	**23**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
m&p-xylenes	**64**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19472
Sample#: 19472-001
Sample ID: MW-206I
Matrix: Water
Sampled: 6/29/10 10:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**16**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
isopropylbenzene	**15**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,3,5-trimethylbenzene	**4**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2,4-trimethylbenzene	**7**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
4-isopropyltoluene	**3**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,4-dichlorobenzene	**2**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2-dichlorobenzene	**5**	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	97	78-114	%	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		1001436	7/6/10	11:09	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	LMM		1001436	7/6/10	11:09	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19472
Sample#: 19472-002
Sample ID: SB-4D
Matrix: Water
Sampled: 6/29/10 10:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
chloroethane	**8**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
diethyl ether	**150**	5	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
tetrahydrofuran (THF)	**1200**	50	ug/L	5	LMM		1001436	7/1/10	4:18	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
benzene	**38**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
toluene	**24**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
ethylbenzene	**32**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
m&p-xylenes	**140**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19472
Sample#: 19472-002
Sample ID: SB-4D
Matrix: Water
Sampled: 6/29/10 10:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**35**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
isopropylbenzene	**33**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,3,5-trimethylbenzene	**6**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2,4-trimethylbenzene	**12**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
4-isopropyltoluene	**4**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,4-dichlorobenzene	**3**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2-dichlorobenzene	**3**	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	96	78-114	%	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	LMM		1001436	7/6/10	11:41	SW5030B8260B
4-bromofluorobenzene SUR	100	86-115	%	1	LMM		1001436	7/6/10	11:41	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19472

Company Name: GeoInsight
Phone #: 978-679-1600
FAX #: 978-679-1601
Company Address: 1 Monarch Drive Suite 201 Littleton, MA 01460
Site Location (City, State): Dover, NH
Project Manager: KEZeman CABinger
Project ID / Name: Dover Landfill 2009-009
Invoice To: GeoInsight
Protocol: RCRA SDWA (NPDES) MCP NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	ICE	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
19472-01	MW-206I	3	X			X						6/29/10	1030	BP	G
↓ -02	SB-40	3	X			X						↓	1040	↓	G

ANALYSIS REQUEST

VOC-NH Petroleum Remediation Short List	VOC-NH Hazardous Waste Remediation Short List	VOC-NH Petroleum & Haz Waste Full List ☐ MADEP VPH ☐ MEGRO	VOC 8260 ☐ VOC8015GRO ☐ VOC 624 + THF	VOC 8260 BTEX, MtBE, Naphthalene only ☐ VOC 8260 + Oxygenates	VOC 524.2 ☐ VOC 524.2 NH Petroleum & Haz. Waste Full List	TPH 8100 ☐ MEDRO ☐ DRO 8015 ☐ EPH	8270PAH ☐ 8270ABN ☐ 625	8082 PCB ☐ 8081 Pesticides ☐ 608	O&G 1664 ☐ O&G SM5520F	pH ☐ BOD ☐ Conductivity	TSS ☐ TDS ☐ TS	RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	Total Metals-list ☐ Dissolved Metals-list	Ammonia ☐ COD	T-Phosphate ☐ Phenol (subcontract)	Cyanide ☐ Sulfide	Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride	Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC	TCLP Pesticide ☐ TCLP Herbicides (subcontract)
			X																	
			X																	

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☐
Other ☐ 5day

E-Mail Address: CABinger@Geoinc.com, KEZeman@Geoinc.com
Quote #
PO #

SPECIAL INSTRUCTIONS: Lowest RTL's possible

REPORTING INSTRUCTIONS
☐ FAX ☐ EDD ☐ OTHER (specify)

RECEIVED ON ICE ☑ YES ☐ NO
TEMPERATURE 1.5 °C

Lab Use Only

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
B. Paulin	6/29/10	1210			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
			Way Bill#:	6/29/10	1210

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Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19397
Date Received: 6/17/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 6/25/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Job ID: 19397
Sample#: 19397-001
Sample ID: MW-206I
Matrix: Water
Sampled: 6/15/10 15:35

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
diethyl ether	**87**	5	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
tetrahydrofuran (THF)	**1400**	100	ug/L	10	LMM		1001336	6/23/10	15:48	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
benzene	**26**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
chlorobenzene	**4**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
ethylbenzene	**23**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
m&p-xylenes	**59**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19397
Sample#: 19397-001
Sample ID: MW-206I
Matrix: Water
Sampled: 6/15/10 15:35

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**16**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
isopropylbenzene	**15**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,3,5-trimethylbenzene	**4**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2,4-trimethylbenzene	**8**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
4-isopropyltoluene	**3**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2-dichlorobenzene	**4**	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	95	78-114	%	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
toluene-D8 SUR	99	88-110	%	1	LMM		1001336	6/22/10	19:46	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	LMM		1001336	6/22/10	19:46	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19397
Sample#: 19397-002
Sample ID: SB-4D
Matrix: Water
Sampled: 6/15/10 15:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
chloroethane	**7**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
diethyl ether	**140**	5	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
tetrahydrofuran (THF)	**1300**	100	ug/L	10	LMM		1001336	6/23/10	16:54	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
benzene	**36**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
toluene	**21**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
ethylbenzene	**30**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
m&p-xylenes	**150**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19397
Sample#: 19397-002
Sample ID: SB-4D
Matrix: Water
Sampled: 6/15/10 15:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**32**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
isopropylbenzene	**31**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,3,5-trimethylbenzene	**6**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2,4-trimethylbenzene	**12**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
4-isopropyltoluene	**4**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,4-dichlorobenzene	**3**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2-dichlorobenzene	**3**	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	95	78-114	%	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
toluene-D8 SUR	100	88-110	%	1	LMM		1001336	6/22/10	20:19	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	LMM		1001336	6/22/10	20:19	SW5030B8260B

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19397

Company Name: GeoInsight
Company Address: 1 Monarch Drive Suite 201 Littleton, MA 01460
Report To: C. Binger, K. Zeman
Phone #: 978-679-1600
Invoice To: GeoInsight

Project Name: Dover Landfill
Project #: 2009-009
Project Location: NH MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO #

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	ANALYSIS REQUEST: ☒ VOC 8260 + THF	Grab (G) or Composite (C)
19397-01	MW-206I	3	X			X						6/15/10	1535	BP	X	G
02	SB3-4D	3	X			X						↓	1525	↓	X	G

ANALYSIS REQUEST: ☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP + THF; ☐ VOC 624 ☐ VOC BTEX ☐ MtBE only ☐ VOC 8021VT; ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015; ☐ VOC 524.2 ☐ VOC 524.2 NH List; ☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint; ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1; ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB; ☐ O&G 1664 ☐ Mineral O&G SM5520F; ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity; ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity; ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals; ☐ Total Metals-list: ☐ Dissolved Metals-list: ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TCN; ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN; ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P; ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride; ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP; ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide; Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed 5 day

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS lowest OTL's possible

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) KZeman@Geoinc.com, CABinger@Geoinc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 2 °C

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
1	B. Poulin	6/15/10	1630	GeoInsight Stock	6/15/10	1630
2	Relinquished by: GeoInsight Stock	6/17/10	11:00	Received by:	Date	Time
3	Relinquished by:	Date	Time	Received by Laboratory: Joanne King	6/17/10	11:00

Way Bill#:

9

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
1 Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19300
Date Received: 6/3/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 6/9/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Job ID: 19300
Sample#: 19300-001
Sample ID: SB-4D
Matrix: Water
Sampled: 6/1/10 8:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
chloroethane	**7**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
diethyl ether	**140**	5	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
acetone	**62**	50	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
2-butanone (MEK)	**23**	10	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
tetrahydrofuran (THF)	**1600**	50	ug/L	5	LMM		1001187	6/5/10	8:31	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
benzene	**34**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
toluene	**20**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
ethylbenzene	**29**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
m&p-xylenes	**130**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19300
Sample#: 19300-001
Sample ID: SB-4D
Matrix: Water
Sampled: 6/1/10 8:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
o-xylene	**31**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
isopropylbenzene	**30**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,3,5-trimethylbenzene	**5**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2,4-trimethylbenzene	**10**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
4-isopropyltoluene	**4**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,4-dichlorobenzene	**3**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2-dichlorobenzene	**2**	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	103	78-114	%	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	LMM		1001187	6/5/10	7:26	SW5030B8260B
4-bromofluorobenzene SUR	99	86-115	%	1	LMM		1001187	6/5/10	7:26	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

Project ID: Dover Landfill 2009-009
Job ID: 19300
Sample#: 19300-002
Sample ID: MW-206I
Matrix: Water
Sampled: 6/1/10 8:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
diethyl ether	**85**	5	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
2-butanone (MEK)	**13**	10	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
tetrahydrofuran (THF)	**1600**	50	ug/L	5	LMM		1001187	6/5/10	9:05	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
benzene	**25**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
ethylbenzene	**21**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
m&p-xylenes	**55**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19300
Sample#: 19300-002
Sample ID: MW-206I
Matrix: Water
Sampled: 6/1/10 8:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**15**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
isopropylbenzene	**14**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,3,5-trimethylbenzene	**3**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2,4-trimethylbenzene	**6**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
4-isopropyltoluene	**3**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2-dichlorobenzene	**4**	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	99	78-114	%	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	LMM		1001187	6/5/10	7:57	SW5030B8260B
4-bromofluorobenzene SUR	101	86-115	%	1	LMM		1001187	6/5/10	7:57	SW5030B8260B

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19300

Company Name: GeoInsight
Company Address: 1 Monarch Drive Littleton, MA
Report To: K. Zeman, C. Binger
Phone #:
Invoice To: GeoInsight

Project Name: Dover Landfill
Project #: 2009-009
Project Location: NH MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES ~~OTHER~~
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote #
☐ NH GREE/ODD Fund Pricing
PO #

ANALYSIS REQUEST

☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP + THF
☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015
☐ VOC 524.2 ☐ VOC 524.2 NH List
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
☐ Total Metals-list:
☐ Dissolved Metals-list:
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TDN
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides
Grab (G) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	VOC 8260	Grab (G) or Composite (C)
19300-09	SB-4D	3	X			X						6/1/10	0840	BP	X	G
19300-10	MW-206I	3	X			X						↓	0530	BP	X	G

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed 5day

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS Lowest DTLs possible

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) KEzeman@Geoinc.com, CABinger@Geoinc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☑ YES ☐ NO
TEMPERATURE 6 °C

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
1	B Rulin	6/1/10	1315	GeoInsight Stock	6/1/10	1315
2	Relinquished by: GeoInsight Stock	6/3/10	11:20	Received by:	Date	Time
3	Relinquished by:	Date	Time	Received by Laboratory: Joanne King Way Bill#:	6/3/10	11:20

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Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Christene Binger
GeoInsight, Inc.
One Monarch Drive
Suite 201
Littleton, MA 01460

PO Number: None
Job ID: 19193
Date Received: 5/18/10

Project: Dover Landfill 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 5/26/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 2009-009
Job ID: 19193
Sample#: 19193-001
Sample ID: SB-4D
Matrix: Water
Sampled: 5/18/10 10:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
bromomethane	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
chloroethane	**7**	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
diethyl ether	**140**	5	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
2-butanone (MEK)	**14**	10	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
tetrahydrofuran (THF)	**3100**	50	ug/L	5	LMM		1001068	5/25/10	14:21	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
carbon tetrachloride	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
benzene	**37**	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
toluene	**20**	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
dibromochloromethane	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
ethylbenzene	**31**	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
m&p-xylenes	**130**	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19193
Sample#: 19193-001
Sample ID: SB-4D
Matrix: Water
Sampled: 5/18/10 10:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	33	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
bromoform	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
isopropylbenzene	32	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,3,5-trimethylbenzene	5	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2,4-trimethylbenzene	10	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
4-isopropyltoluene	4	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,4-dichlorobenzene	3	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2-dichlorobenzene	3	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	103	78-114	%	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
toluene-D8 SUR	98	88-110	%	1	LMM		1001068	5/25/10	13:50	SW5030B8260B
4-bromofluorobenzene SUR	98	86-115	%	1	LMM		1001068	5/25/10	13:50	SW5030B8260B

**** The associated LCS/D was below the acceptance criteria for this compound. No additional sample remains for re-analysis.***

Project ID: Dover Landfill 2009-009
Job ID: 19193
Sample#: 19193-002
Sample ID: MW-206I
Matrix: Water
Sampled: 5/18/10 10:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
bromomethane	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
diethyl ether	**94**	5	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
acetone	**50**	50	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
2-butanone (MEK)	**99**	10	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
tetrahydrofuran (THF)	**3700**	50	ug/L	5	LMM		1001068	5/25/10	15:27	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
carbon tetrachloride	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
benzene	**27**	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
dibromochloromethane	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
ethylbenzene	**22**	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
m&p-xylenes	**51**	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B

Project ID: Dover Landfill 2009-009
Job ID: 19193
Sample#: 19193-002
Sample ID: MW-206I
Matrix: Water
Sampled: 5/18/10 10:40

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	16	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
bromoform	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
isopropylbenzene	15	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,3,5-trimethylbenzene	4	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2,4-trimethylbenzene	6	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
4-isopropyltoluene	3	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2-dichlorobenzene	4	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2 *	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	108	78-114	%	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
toluene-D8 SUR	100	88-110	%	1	LMM		1001068	5/25/10	14:53	SW5030B8260B
4-bromofluorobenzene SUR	98	86-115	%	1	LMM		1001068	5/25/10	14:53	SW5030B8260B

**** The associated LCS/D was below the acceptance criteria for this compound. No additional sample remains for re-analysis.***

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19193

Company Name: GeoInsight
Phone #:
FAX #:
Company Address: 1 Monarch Drive, Littleton MA
Site Location (City, State): Dover, NH
Project Manager: C. Binger, K. Zeman
Project ID / Name: 2009009, Dover Landfill
Invoice To: GeoInsight
Protocol: RCRA SDWA (NPDES) MCP NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation Method: HCl	HNO3	H2SO4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
19193-01	SD-4D	3	X			X						5/18/10	1030	BP
-02	MW-206I	3	X			X						5/18/10	1040	BP
-03	F.T. Sediment	2		X		CANCELLED per Kristin Z.					X	5/18/10	1115	BP

ANALYSIS REQUEST

Lab Sample ID	☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEDRO	☒ VOC 8260 ☐ VOC8015GRO ☐ VOC 624 + THF	☐ VOC 8260 BTEX, MIBE, Naphthalene only	☐ VOC 524.2 ☐ VOC 524.2 NH List	☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 ☐ EPH	☐ 8270PAH ☐ 8270ABN ☐ 625	☐ 8082 PCB ☐ 8081 Pesticides ☐ 608	☐ O&G 1664 ☐ O&G SM5520F	☐ pH ☐ BOD ☐ Conductivity	☐ TSS ☐ TDS ☐ TS	☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	☐ Total Metals-list ☐ Dissolved Metals-list	☐ Ammonia ☐ COD	☐ T-Phosphorus ☐ Phenol	☐ Cyanide ☐ Sulfide	☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride	☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC	☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)	☐ Standard Drinking Water Test ☐ Bacteria P/A	TCLP for Arsenic			Grab (G) or Composite (C)
19193-01		X																			X			G
-02		X																						G
-03																					X			

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☐
Other ☐
5 day TAT

E-Mail Address: KZeman@Geoinc.com, CABinger@Geoinc.com
Quote #:
PO #:

SPECIAL INSTRUCTIONS
Lowest possible detection limits
- Not sure if Sediment is solid enough for sample.

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☒ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 8 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
	D Paulin	5/18/10	1245			
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
				Way Bill#:	5/18/10	1245

6

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Kristin Zeman
Geoinsight, Inc.
5 Lan Drive
Westford, MA 01886

PO Number: None
Job ID: 19072
Date Received: 5/4/10

Project: Dover 2009

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 5/12/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover 2009
Job ID: 19072
Sample#: 19072-001
Sample ID: MW-206I
Matrix: Water
Sampled: 5/4/10 9:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
diethyl ether	**100**	5	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
acetone	**130**	50	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
2-butanone (MEK)	**430**	10	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
tetrahydrofuran (THF)	**1400**	50	ug/L	5	LMM		1000933	5/11/10	22:48	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
benzene	**25**	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
ethylbenzene	**18**	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
m&p-xylenes	**46**	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B

Project ID: Dover 2009
Job ID: 19072
Sample#: 19072-001
Sample ID: MW-206I
Matrix: Water
Sampled: 5/4/10 9:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	14	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
isopropylbenzene	14	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,3,5-trimethylbenzene	4	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2,4-trimethylbenzene	6	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
4-isopropyltoluene	3	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2-dichlorobenzene	4	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	102	78-114	%	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		1000933	5/11/10	21:42	SW5030B8260B
4-bromofluorobenzene SUR	101	86-115	%	1	LMM		1000933	5/11/10	21:42	SW5030B8260B

Project ID: Dover 2009
Job ID: 19072
Sample#: 19072-002
Sample ID: SB-4D
Matrix: Water
Sampled: 5/4/10 9:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
chloroethane	**6**	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
diethyl ether	**150**	5	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
acetone	**55**	50	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
2-butanone (MEK)	**74**	10	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
tetrahydrofuran (THF)	**3300**	50	ug/L	5	LMM		1000933	5/11/10	23:22	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
benzene	**30**	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
toluene	**17**	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
chlorobenzene	**2**	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
ethylbenzene	**25**	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
m&p-xylenes	**110**	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B

Project ID: Dover 2009
Job ID: 19072
Sample#: 19072-002
Sample ID: SB-4D
Matrix: Water
Sampled: 5/4/10 9:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	27	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
isopropylbenzene	26	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,3,5-trimethylbenzene	4	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2,4-trimethylbenzene	9	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
4-isopropyltoluene	3	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,4-dichlorobenzene	2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2-dichlorobenzene	2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	102	78-114	%	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		1000933	5/11/10	22:14	SW5030B8260B
4-bromofluorobenzene SUR	102	86-115	%	1	LMM		1000933	5/11/10	22:14	SW5030B8260B

Note: The sample pH was greater than 2, indicating inadequate preservation.

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19072

Company Name: GeoInsight
Company Address: 5 Lan Drive Suite 200
Report To: Kristin Zeman
Phone #: 978 692 1114
Invoice To: X Christene Binger

Project Name: Dover
Project #: 2009
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote #: ☐ NH GREE/ODD Fund Pricing
PO #:

ANALYSIS REQUEST: ☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP +THF; ☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT; ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015; ☐ VOC 524.2 ☐ VOC 524.2 NH List; ☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint; ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1; ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB; ☐ O&G 1664 ☐ Mineral O&G SM5520F; ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity; ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity; ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals; ☐ Total Metals-list:; ☐ Dissolved Metals-list:; ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON; ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN; ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P; ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride; ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP; ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide; Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides; Grab (G) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*	VOC 8260
19072-01	MW-206I	2	X			X						5/4/10	0930	CA	X
↓ 02	SB-410	2	X			X						5/4/10	0930	CA	X

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☐
**Date Needed ______

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS: 8260 + THF

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) KEZEMAN@geoinc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ☐ OTHER (specify)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 14 °C

CUSTODY RECORD	Date	Time		Date	Time
Relinquished by Sampler: [signature]	5/4/10	1145	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: [signature] Way Bill#:	5/4/10	1145

(5) 5/5/10

9

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Kristin Zeman
GeoInsight, Inc.
5 Lan Drive
Westford, MA 01886

PO Number: None
Job ID: 19008
Date Received: 4/27/10

Project: Dover 2009-009

Attached please find results for the analysis of the samples received on the date referenced above.

The following report has been re-issued to correct a typo in the sample ID for the sample 19008-002.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 5/26/2010
Total number of pages: 6

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover 2009-009
Job ID: 19008
Sample#: 19008-001
Sample ID: MW-206 I
Matrix: Water
Sampled: 4/27/10 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
diethyl ether	**100**	5	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
acetone	**72**	50	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
2-butanone (MEK)	**160**	10	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
tetrahydrofuran (THF)	**1500**	50	ug/L	5	LMM		1000835	5/1/10	12:29	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
benzene	**26**	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
toluene	**2**	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
ethylbenzene	**17**	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
m&p-xylenes	**42**	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B

Revised 5/26 ID typo

Project ID: Dover 2009-009
Job ID: 19008
Sample#: 19008-001
Sample ID: MW-206 I
Matrix: Water
Sampled: 4/27/10 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	13	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
isopropylbenzene	14	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,3,5-trimethylbenzene	3	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2,4-trimethylbenzene	5	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
4-isopropyltoluene	3	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2-dichlorobenzene	4	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	107	78-114	%	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
toluene-D8 SUR	99	88-110	%	1	LMM		1000835	5/1/10	10:49	SW5030B8260B
4-bromofluorobenzene SUR	95	86-115	%	1	LMM		1000835	5/1/10	10:49	SW5030B8260B

Revised 5/26 ID typo

Project ID: Dover 2009-009
Job ID: 19008
Sample#: 19008-002
Sample ID: SB-4D
Matrix: Water
Sampled: 4/27/10 9:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
chloroethane	**9**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
diethyl ether	**170**	5	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
vinyl acetate	< 10	10	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
2-butanone (MEK)	**29**	10	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
tetrahydrofuran (THF)	**2400**	50	ug/L	5	LMM		1000835	5/1/10	13:02	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
benzene	**39**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
bromodichloromethane	< 1	1	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
toluene	**21**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
chlorobenzene	**3**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
ethylbenzene	**36**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
m&p-xylenes	**150**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B

Revised 5/26 ID typo

Project ID: Dover 2009-009
Job ID: 19008
Sample#: 19008-002
Sample ID: SB-4D
Matrix: Water
Sampled: 4/27/10 9:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
o-xylene	**36**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
isopropylbenzene	**36**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,3,5-trimethylbenzene	**6**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2,4-trimethylbenzene	**11**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
4-isopropyltoluene	**5**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,4-dichlorobenzene	**3**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2-dichlorobenzene	**3**	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	104	78-114	%	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		1000835	5/1/10	11:21	SW5030B8260B
4-bromofluorobenzene SUR	99	86-115	%	1	LMM		1000835	5/1/10	11:21	SW5030B8260B

Revised 5/26 ID typo

PAGE 1 OF 1

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19008

Company Name: GEOINSIGHT, INC.
Company Address: 5 LAN DRIVE, SUITE 200
Report To: KRISTIN ZEMAN
Phone #: 978-692-1114 Fax #: 978-692-1115
Invoice To:

Project Name: Dover
Project #: 2009-009
Project Location: (NH) MA ME VT ___ Other
Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: (QAPP) GW-1 S-1 EPA DW Other___
Quote #
PO #

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	DATE	TIME	SAMPLER*	☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP + THF	Grab (G) or Composite (C)
~~19008-01~~	~~[illegible]~~ (KZ)		~~X~~													
19008-01	MW-206(I)	3	X			X						4/27/10	9:35	KZ	X	X
✓ 02	SR-4D	3	X			X						4/27/10	9:30	KZ	X	X

ANALYSIS REQUEST (other options, none checked):
- ☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only
- ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015
- ☐ VOC 524.2 ☐ VOC 524.2 NH List
- ☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
- ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
- ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
- ☐ O&G 1664 ☐ Mineral O&G SM5520F
- ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
- ☐ TSS ☐ TDS ☐ TS ☐ Alkalinity
- ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
- ☐ Total Metals-list
- ☐ Dissolved Metals-list
- ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON
- ☐ T-Phosphorus ☐ Phenol
- ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
- ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
- ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
- ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
- Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

TAT REQUESTED
- Priority (24 hr)** ☐
- Expedited (48 hr)** ☐
- Standard (10 Business Days) ☒
- **Date Needed ______

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS ☐ NO HARD COPY REQUIRED ☐ FAX ☐ EXCEL SPREADSHEET
☒ PDF (e-mail address) kezeman@geoinc.com ☐ OTHER (specify) ______

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 3 °C

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler: [signature]	4/27/10	11:45	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: [signature] Way Bill#:	4/27/10	11:45

Katahdin
ANALYTICAL SERVICES

nelac
Cert. No. E87604

April 21, 2010

Ms. Christine Binger
Geo Insight, Inc.
5 Lan Drive
Suite 200
Westford, MA 01886

RE: Katahdin Lab Number: SDG: GEO-14 (SD1724)
Project ID: Dover Landfill
Project Manager: Ms. Shelly Brown
Sample Receipt Date(s): April 5, 2010

Dear Ms. Binger:

Please find enclosed the following information:

* Report of Analysis (Analytical and/or Field)
* Quality Control Data Summary
* Chain of Custody (COC)
* Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to http://www.katahdinlab.com/cert.html for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.

Sincerely,
KATAHDIN ANALYTICAL SERVICES

Deborah J. Nadeau
Authorized Signature

04/21/2010
Date

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
GEO INSIGHT, INC.
DOVER LANDFILL
SDG: GEO-14
SD1724

Sample Receipt

The following samples were received on April 5, 2010 and were logged in under Katahdin Analytical Services work order number SD1724 for a hardcopy due date of April 18, 2010.

KATAHDIN Sample No.	GEO INSIGHT Sample Identification
SD1724-1	SB-B2
SD1724-2	SB-B2
SD1724-3	SB-B1
SD1724-4	SB-B1
SD1724-5	SB-B3
SD1724-6	SB-B3
SD1724-7	MW-209I
SD1724-8	MW-209I
SD1724-9	MW-207I
SD1724-10	MW-207I
SD1724-11	MW-200D
SD1724-12	MW-200D
SD1724-13	MW-200S
SD1724-14	MW-200S
SD1724-15	MW-204-IA
SD1724-16	MW-204-IA
SD1724-17	MW-204-IB
SD1724-18	MW-204-IB
SD1724-19	SB-10I
SD1724-20	SB-10I
SD1724-21	MW-206S
SD1724-22	MW-206S
SD1724-23	MW-200I DUP
SD1724-24	MW-200I DUP
SD1724-25	MW-200I
SD1724-26	MW-200I
SD1724-27	MW-208I
SD1724-28	MW-208I
SD1724-29	MW-208S
SD1724-30	MW-208S
SD1724-31	SB-D2
SD1724-32	SB-D2
SD1724-33	SB-D1
SD1724-34	SB-D1

SD1724-35	SB-D3I
SD1724-36	SB-D3I
SD1724-37	TRIP BLANK

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Shelly Brown**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG GEO-14 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

Sample SD1724-1 was used for the matrix spike (MS) and matrix spike duplicate (MSD), as per client request.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Metals Analysis

The samples of SDG GEO-14 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Numbers SD1724-(1-19) were digested for ICP analysis on 04/13/10 (QC Batch AD13ICW1) in accordance with USEPA Method 3010A. Duplicate laboratory control samples were prepared in this batch. Katahdin Sample Numbers SD1724-(1 and 2) were prepared with matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample Numbers SD1724-(20-36) were digested for ICP analysis on 04/14/10 (QC Batch AD14ICW2) in accordance with USEPA Method 3010A. Duplicate laboratory control samples were prepared in this batch.

ICP analyses of SDG GEO-14 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recoveries of arsenic in the matrix-spiked aliquots of Katahdin Sample Numbers SD1724-(1 and 2) are within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added).

The serial dilution analyses of Katahdin Sample Numbers SD1724-(1 and 2) are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the MDL) for arsenic.

Reporting of Metals Results

Analytical results for client samples and batch QC samples (preparation blanks and laboratory control samples) have been reported down to the laboratory's method detection limits (MDLs) throughout the accompanying data package. These MDLs have been adjusted for each sample based on the sample amounts used in preparation and analysis. Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column.

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 Operations Manager or the Quality Assurance Officer as verified by the following signature.

Deborah J. Kadeau for 4.21.10

Leslie Dimond
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected in the sample at a level greater than the method detection limit.
J	The analyte was detected in the sample at a concentration greater than the method detection limit, but less than the Contract Required Quantitation Level.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 12:53
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-1
Client ID: SB-B2
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	1.0	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane		2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone		22	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	J	0.9	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether		1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		2	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	E	1700	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene		27	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		4	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene		3	1.0	1	1	0.2
100-41-4	Ethylbenzene		24	1.0	1	1	0.2
1330-20-7	Xylenes (total)		71	1.0	3	3	0.2
	m+p-Xylenes		33	1.0	2	2	0.6
95-47-6	o-Xylene		38	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 12:53
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-1
Client ID: SB-B2
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		3	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene		5	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene		2	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene		4	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 13:00
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-1DL
Client ID: SB-B2
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	8	4.0	2	8	1.0
74-87-3	Chloromethane	U	8	4.0	2	8	1
75-01-4	Vinyl chloride	U	8	4.0	2	8	1
74-83-9	Bromomethane	U	8	4.0	2	8	2
75-00-3	Chloroethane	U	8	4.0	2	8	2
75-69-4	Trichlorofluoromethane	U	8	4.0	2	8	1.0
75-35-4	1,1-Dichloroethene	U	4	4.0	1	4	1
75-15-0	Carbon Disulfide	U	4	4.0	1	4	1
75-09-2	Methylene Chloride	U	20	4.0	5	20	4
67-64-1	Acetone		24	4.0	5	20	9
156-60-5	trans-1,2-Dichloroethene	U	4	4.0	1	4	1
1634-04-4	Methyl tert-butyl ether	U	4	4.0	1	4	1
75-34-3	1,1-Dichloroethane	U	4	4.0	1	4	0.8
108-05-4	Vinyl Acetate	U	4	4.0	1	4	2
156-59-2	cis-1,2-Dichloroethene	J	1	4.0	1	4	0.8
540-59-0	1,2-Dichloroethylene (total)	J	1	4.0	2	8	0.8
67-66-3	Chloroform	U	4	4.0	1	4	1
56-23-5	Carbon Tetrachloride	U	4	4.0	1	4	0.9
109-99-9	Tetrahydrofuran		1900	4.0	5	20	7
71-55-6	1,1,1-Trichloroethane	U	4	4.0	1	4	0.8
78-93-3	2-Butanone	U	20	4.0	5	20	5
71-43-2	Benzene		26	4.0	1	4	1
107-06-2	1,2-Dichloroethane	J	1	4.0	1	4	0.8
79-01-6	Trichloroethene	U	4	4.0	1	4	1
78-87-5	1,2-Dichloropropane	U	4	4.0	1	4	1
75-27-4	Bromodichloromethane	U	4	4.0	1	4	1
10061-01-5	cis-1,3-dichloropropene	U	4	4.0	1	4	0.8
108-88-3	Toluene		4	4.0	1	4	1
108-10-1	4-methyl-2-pentanone	U	20	4.0	5	20	5
127-18-4	Tetrachloroethene	U	4	4.0	1	4	2
10061-02-6	trans-1,3-Dichloropropene	U	4	4.0	1	4	0.8
79-00-5	1,1,2-Trichloroethane	U	4	4.0	1	4	1
124-48-1	Dibromochloromethane	U	4	4.0	1	4	1
106-93-4	1,2-Dibromoethane	U	4	4.0	1	4	0.9
591-78-6	2-Hexanone	U	20	4.0	5	20	7
108-90-7	Chlorobenzene	J	3	4.0	1	4	0.9
100-41-4	Ethylbenzene		22	4.0	1	4	0.8
1330-20-7	Xylenes (total)		63	4.0	3	12	1
	m+p-Xylenes		31	4.0	2	8	2
95-47-6	o-Xylene		32	4.0	1	4	1
100-42-5	Styrene	U	4	4.0	1	4	0.9
75-25-2	Bromoform	U	4	4.0	1	4	0.9
79-34-5	1,1,2,2-Tetrachloroethane	U	4	4.0	1	4	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 13:00
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-1DL
Client ID: SB-B2
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	3	4.0	1	4	0.8
95-63-6	1,2,4-Trimethylbenzene		4	4.0	1	4	0.8
541-73-1	1,3-Dichlorobenzene	U	4	4.0	1	4	1
106-46-7	1,4-Dichlorobenzene	U	4	4.0	1	4	1.0
95-50-1	1,2-Dichlorobenzene		4	4.0	1	4	0.6
1868-53-7	Dibromofluoromethane		91%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		77%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	17.1			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	16.8			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 11:24
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-3RA
Client ID: SB-B1
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	0.8	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.8	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	J	3	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene		2	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 11:24
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-3RA
Client ID: SB-B1
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		75%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B1

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	2.8	J		P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B1

Matrix: WATER **SDG Name:** GEO-14

Percent Solids: 0.00 **Lab Sample ID:** SD1724-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	2.2	J		P	1	8.0	1.86

Bottle ID: A

Comments:

Katahdin Analytical Services GEO-14 page 0000016 of 0000123

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 13:56
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-5
Client ID: SB-B3
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	J	3	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.4	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.4	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		110	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	J	2	1.0	5	5	1
71-43-2	Benzene		7	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.5	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	J	0.7	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene		3	1.0	1	1	0.2
1330-20-7	Xylenes (total)		4	1.0	3	3	0.2
	m+p-Xylenes	J	2	1.0	2	2	0.6
95-47-6	o-Xylene		2	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 13:56
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-5
Client ID: SB-B3
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.4	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.4	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	J	0.5	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		109%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		81%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B3

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	48.6			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B3

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	47.0			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 14:27
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-7
Client ID: MW-209I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	0.5	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone		8	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.3	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		6	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	J	2	1.0	5	5	1
71-43-2	Benzene		3	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.5	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene		2	1.0	1	1	0.2
1330-20-7	Xylenes (total)	J	1	1.0	3	3	0.2
	m+p-Xylenes	J	0.8	1.0	2	2	0.6
95-47-6	o-Xylene	J	0.3	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 14:27
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-7
Client ID: MW-209I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	J	0.3	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		84%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-209I

Matrix: WATER **SDG Name:** GEO-14

Percent Solids: 0.00 **Lab Sample ID:** SD1724-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	1.86	U		P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-209I
Matrix: WATER
SDG Name: GEO-14
Percent Solids: 0.00
Lab Sample ID: SD1724-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	2.4	J		P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 14:59
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-9
Client ID: MW-207I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	1	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane		5	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	2	1.0	5	5	1
67-64-1	Acetone		27	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether		2	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		4	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		2	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	E	1800	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene		24	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		3	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene		1	1.0	1	1	0.2
100-41-4	Ethylbenzene		8	1.0	1	1	0.2
1330-20-7	Xylenes (total)		9	1.0	3	3	0.2
	m+p-Xylenes		5	1.0	2	2	0.6
95-47-6	o-Xylene		4	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 14:59
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-9
Client ID: MW-207I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.6	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene		1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene		2	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 13:31
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-9DL
Client ID: MW-207I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	8	4.0	2	8	1.0
74-87-3	Chloromethane	U	8	4.0	2	8	1
75-01-4	Vinyl chloride	J	1	4.0	2	8	1
74-83-9	Bromomethane	U	8	4.0	2	8	2
75-00-3	Chloroethane	J	4	4.0	2	8	2
75-69-4	Trichlorofluoromethane	U	8	4.0	2	8	1.0
75-35-4	1,1-Dichloroethene	U	4	4.0	1	4	1
75-15-0	Carbon Disulfide	U	4	4.0	1	4	1
75-09-2	Methylene Chloride	U	20	4.0	5	20	4
67-64-1	Acetone		23	4.0	5	20	9
156-60-5	trans-1,2-Dichloroethene	U	4	4.0	1	4	1
1634-04-4	Methyl tert-butyl ether	U	4	4.0	1	4	1
75-34-3	1,1-Dichloroethane	J	3	4.0	1	4	0.8
108-05-4	Vinyl Acetate	U	4	4.0	1	4	2
156-59-2	cis-1,2-Dichloroethene	J	2	4.0	1	4	0.8
540-59-0	1,2-Dichloroethylene (total)	J	2	4.0	2	8	0.8
67-66-3	Chloroform	U	4	4.0	1	4	1
56-23-5	Carbon Tetrachloride	U	4	4.0	1	4	0.9
109-99-9	Tetrahydrofuran		1600	4.0	5	20	7
71-55-6	1,1,1-Trichloroethane	U	4	4.0	1	4	0.8
78-93-3	2-Butanone	U	20	4.0	5	20	5
71-43-2	Benzene		22	4.0	1	4	1
107-06-2	1,2-Dichloroethane	U	4	4.0	1	4	0.8
79-01-6	Trichloroethene	U	4	4.0	1	4	1
78-87-5	1,2-Dichloropropane	U	4	4.0	1	4	1
75-27-4	Bromodichloromethane	U	4	4.0	1	4	1
10061-01-5	cis-1,3-dichloropropene	U	4	4.0	1	4	0.8
108-88-3	Toluene	J	3	4.0	1	4	1
108-10-1	4-methyl-2-pentanone	U	20	4.0	5	20	5
127-18-4	Tetrachloroethene	U	4	4.0	1	4	2
10061-02-6	trans-1,3-Dichloropropene	U	4	4.0	1	4	0.8
79-00-5	1,1,2-Trichloroethane	U	4	4.0	1	4	1
124-48-1	Dibromochloromethane	U	4	4.0	1	4	1
106-93-4	1,2-Dibromoethane	U	4	4.0	1	4	0.9
591-78-6	2-Hexanone	U	20	4.0	5	20	7
108-90-7	Chlorobenzene	U	4	4.0	1	4	0.9
100-41-4	Ethylbenzene		7	4.0	1	4	0.8
1330-20-7	Xylenes (total)	J	9	4.0	3	12	1
	m+p-Xylenes	J	5	4.0	2	8	2
95-47-6	o-Xylene	J	4	4.0	1	4	1
100-42-5	Styrene	U	4	4.0	1	4	0.9
75-25-2	Bromoform	U	4	4.0	1	4	0.9
79-34-5	1,1,2,2-Tetrachloroethane	U	4	4.0	1	4	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 13:31
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-9DL
Client ID: MW-207I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	1	4.0	1	4	0.8
95-63-6	1,2,4-Trimethylbenzene	U	4	4.0	1	4	0.8
541-73-1	1,3-Dichlorobenzene	U	4	4.0	1	4	1
106-46-7	1,4-Dichlorobenzene	U	4	4.0	1	4	1.0
95-50-1	1,2-Dichlorobenzene	J	2	4.0	1	4	0.6
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		77%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-207I

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	18.4			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-207I
Matrix: WATER
SDG Name: GEO-14
Percent Solids: 0.00
Lab Sample ID: SD1724-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	19.9			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 11:56
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-11RA
Client ID: MW-200D
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 11:56
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-11RA
Client ID: MW-200D
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		75%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200D

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	86.1			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200D

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	88.2			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 16:01
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-13
Client ID: MW-200S
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		2	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.8	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene		5	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	J	0.4	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 16:01
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-13
Client ID: MW-200S
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.2	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	J	0.5	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		82%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	22.0			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	19.9			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/05/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 16:33
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-15
Client ID: MW-204-IA
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	0.3	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.2	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	J	0.9	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/05/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 16:33
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-15
Client ID: MW-204-IA
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		84%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-204-IA

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-015

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	1.86	U		P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-204-IA

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-016

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	1.86	U		P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/05/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 17:04
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-17
Client ID: MW-204-IB
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/05/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 17:04
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-17
Client ID: MW-204-IB
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		84%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-204-IB

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-017

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	84.5			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-204-IB

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-018

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	85.6			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/05/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 17:36
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-19
Client ID: SB-10I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride		5	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	J	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		4	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		5	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		5	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	J	0.8	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.8	1.0	1	1	0.2
79-01-6	Trichloroethene	J	0.4	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene		5	1.0	1	1	0.2
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.2
	m+p-Xylenes		2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/05/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 17:36
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-19
Client ID: SB-10I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.2	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.3	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		111%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		84%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-10I

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-019

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	27.3			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-10I

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-020

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	28.6			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 18:07
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-21
Client ID: MW-206S
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	0.5	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	J	0.8	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.6	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.6	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene		2	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.8	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 18:07
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-21
Client ID: MW-206S
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		110%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		82%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-206S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-021

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	2.4	J		P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-206S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-022

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	3.4	J		P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 18:39
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-23
Client ID: MW-200I DUP
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone		6	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	J	0.2	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	1	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		180	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	J	2	1.0	5	5	1
71-43-2	Benzene		7	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.7	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene		6	1.0	1	1	0.2
1330-20-7	Xylenes (total)		7	1.0	3	3	0.2
	m+p-Xylenes		3	1.0	2	2	0.6
95-47-6	o-Xylene		4	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 18:39
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-23
Client ID: MW-200I DUP
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.7	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.9	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene		1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		86%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-200I DUP

Matrix: WATER **SDG Name:** GEO-14

Percent Solids: 0.00 **Lab Sample ID:** SD1724-023

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	18.6			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200I DUP

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-024

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	17.6			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 19:11
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-25
Client ID: MW-200I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	1	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone		6	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.8	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		190	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	J	3	1.0	5	5	1
71-43-2	Benzene		7	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.8	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene		5	1.0	1	1	0.2
1330-20-7	Xylenes (total)		6	1.0	3	3	0.2
	m+p-Xylenes		3	1.0	2	2	0.6
95-47-6	o-Xylene		4	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 19:11
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-25
Client ID: MW-200I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.5	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.7	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	J	0.9	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		87%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-200I

Matrix: WATER **SDG Name:** GEO-14

Percent Solids: 0.00 **Lab Sample ID:** SD1724-025

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	18.5			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-200I

Matrix: WATER **SDG Name:** GEO-14

Percent Solids: 0.00 **Lab Sample ID:** SD1724-026

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	15.9			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 19:43
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-27
Client ID: MW-208I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane		3	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	2	1.0	5	5	1
67-64-1	Acetone		31	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether		1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		4	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		2	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	E	1500	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		11	1.0	5	5	1
71-43-2	Benzene		21	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		2	1.0	1	1	0.2
79-01-6	Trichloroethene	J	0.3	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		3	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene		8	1.0	1	1	0.2
1330-20-7	Xylenes (total)		5	1.0	3	3	0.2
	m+p-Xylenes		3	1.0	2	2	0.6
95-47-6	o-Xylene		3	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 19:43
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-27
Client ID: MW-208I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.5	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	J	0.8	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene		2	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 14:03
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-27DL
Client ID: MW-208I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	4	2.0	2	4	0.5
74-87-3	Chloromethane	U	4	2.0	2	4	0.7
75-01-4	Vinyl chloride	J	1	2.0	2	4	0.5
74-83-9	Bromomethane	U	4	2.0	2	4	1.0
75-00-3	Chloroethane	J	3	2.0	2	4	1
75-69-4	Trichlorofluoromethane	U	4	2.0	2	4	0.5
75-35-4	1,1-Dichloroethene	U	2	2.0	1	2	0.7
75-15-0	Carbon Disulfide	U	2	2.0	1	2	0.5
75-09-2	Methylene Chloride	U	10	2.0	5	10	2
67-64-1	Acetone		29	2.0	5	10	4
156-60-5	trans-1,2-Dichloroethene	J	1	2.0	1	2	0.5
1634-04-4	Methyl tert-butyl ether	J	1	2.0	1	2	0.7
75-34-3	1,1-Dichloroethane		3	2.0	1	2	0.4
108-05-4	Vinyl Acetate	U	2	2.0	1	2	0.8
156-59-2	cis-1,2-Dichloroethene	J	2	2.0	1	2	0.4
540-59-0	1,2-Dichloroethylene (total)	J	3	2.0	2	4	0.4
67-66-3	Chloroform	U	2	2.0	1	2	0.6
56-23-5	Carbon Tetrachloride	U	2	2.0	1	2	0.4
109-99-9	Tetrahydrofuran		1100	2.0	5	10	3
71-55-6	1,1,1-Trichloroethane	U	2	2.0	1	2	0.4
78-93-3	2-Butanone	J	8	2.0	5	10	3
71-43-2	Benzene		19	2.0	1	2	0.5
107-06-2	1,2-Dichloroethane	J	2	2.0	1	2	0.4
79-01-6	Trichloroethene	U	2	2.0	1	2	0.6
78-87-5	1,2-Dichloropropane	U	2	2.0	1	2	0.5
75-27-4	Bromodichloromethane	U	2	2.0	1	2	0.7
10061-01-5	cis-1,3-dichloropropene	U	2	2.0	1	2	0.4
108-88-3	Toluene		3	2.0	1	2	0.5
108-10-1	4-methyl-2-pentanone	U	10	2.0	5	10	3
127-18-4	Tetrachloroethene	U	2	2.0	1	2	0.8
10061-02-6	trans-1,3-Dichloropropene	U	2	2.0	1	2	0.4
79-00-5	1,1,2-Trichloroethane	U	2	2.0	1	2	0.7
124-48-1	Dibromochloromethane	U	2	2.0	1	2	0.6
106-93-4	1,2-Dibromoethane	U	2	2.0	1	2	0.4
591-78-6	2-Hexanone	U	10	2.0	5	10	3
108-90-7	Chlorobenzene	U	2	2.0	1	2	0.4
100-41-4	Ethylbenzene		8	2.0	1	2	0.4
1330-20-7	Xylenes (total)	J	5	2.0	3	6	0.5
	m+p-Xylenes	J	2	2.0	2	4	1
95-47-6	o-Xylene		2	2.0	1	2	0.5
100-42-5	Styrene	U	2	2.0	1	2	0.5
75-25-2	Bromoform	U	2	2.0	1	2	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	2	2.0	1	2	0.8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 14:03
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-27DL
Client ID: MW-208I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	1	2.0	1	2	0.4
95-63-6	1,2,4-Trimethylbenzene	J	0.4	2.0	1	2	0.4
541-73-1	1,3-Dichlorobenzene	U	2	2.0	1	2	0.5
106-46-7	1,4-Dichlorobenzene	J	0.7	2.0	1	2	0.5
95-50-1	1,2-Dichlorobenzene		2	2.0	1	2	0.3
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		77%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-208I

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-027

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	21.4			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-208I

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-028

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	18.8			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 12:28
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-29RA
Client ID: MW-208S
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	J	0.4	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	1	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	J	0.4	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.7	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 12:28
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-29RA
Client ID: MW-208S
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		74%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-208S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-029

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	1.86	U		P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-208S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-030

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	1.9	J		P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 20:47
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-31
Client ID: SB-D2
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	J	3	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 20:47
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-31
Client ID: SB-D2
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		84%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-D2

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-031

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	22.5			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-D2

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-032

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	20.4			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 14:35
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-33
Client ID: SB-D1
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	J	3	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	J	2	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 14:35
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-33
Client ID: SB-D1
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		84%				
460-00-4	P-Bromofluorobenzene		75%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-D1

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-033

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	1.86	U		P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-D1

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-034

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	1.86	U		P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 15:07
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-35
Client ID: SB-D3I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/02/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 08-APR-2010 15:07
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-35
Client ID: SB-D3I
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		74%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-D3I

Matrix: WATER **SDG Name:** GEO-14

Percent Solids: 0.00 **Lab Sample ID:** SD1724-035

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	38.9			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-D3I

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-036

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	32.4			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 03/30/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 12:21
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-37
Client ID: TRIP BLANK
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 03/30/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 07-APR-2010 12:21
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: SD1724-37
Client ID: TRIP BLANK
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		71%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL SDG No.: GEO-14

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG75965-LCS	WG75965-1	93	90	95	89	0
02	WG75965-LCSD	WG75965-3	91	91	94	90	0
03	WG75965-BLANK	WG75965-2	91	94	91	73	0
04	TRIP BLANK	SD1724-37	93	94	93	71	0
05	SB-B2	SD1724-1	88	96	93	81	0
06	SB-B3	SD1724-5	101	109	94	81	0
07	MW-209I	SD1724-7	102	114	95	84	0
08	MW-207I	SD1724-9	101	112	94	87	0
09	MW-200S	SD1724-13	101	112	94	82	0
10	MW-204-IA	SD1724-15	102	113	94	84	0
11	MW-204-IB	SD1724-17	105	118	97	84	0
12	SB-10I	SD1724-19	100	111	95	84	0
13	MW-206S	SD1724-21	99	110	96	82	0
14	MW-200I DUP	SD1724-23	104	114	96	86	0
15	MW-200I	SD1724-25	102	114	97	87	0
16	MW-208I	SD1724-27	104	116	96	90	0
17	SB-D2	SD1724-31	103	114	96	84	0
18	WG76024-LCS	WG76024-1	91	92	96	92	0
19	WG76024-LCSD	WG76024-5	91	90	95	91	0
20	WG76024-BLANK	WG76024-2	93	94	85	76	0
21	SB-B1	SD1724-3RA	94	96	93	75	0
22	MW-200D	SD1724-11RA	92	94	93	75	0
23	MW-208S	SD1724-29RA	92	93	92	74	0
24	SB-B2	SD1724-1DL	91	95	92	77	0
25	MW-207I	SD1724-9DL	93	96	94	77	0
26	MW-208I	SD1724-27DL	90	93	83	77	0
27	SB-D1	SD1724-33	92	94	84	75	0
28	SB-D3I	SD1724-35	93	95	85	74	0

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(68-128)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(67-135)
SMC3 (TOL) = Toluene-D8	(65-128)
SMC4 (BFB) = P-Bromofluorobenzene	(56-133)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL SDG No.: GEO-14

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	SB-B2MS	WG76024-3	88	89	86	90	0
02	SB-B2MSD	WG76024-4	90	89	88	90	0
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(68-128)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(67-135)
SMC3 (TOL) = Toluene-D8	(65-128)
SMC4 (BFB) = P-Bromofluorobenzene	(56-133)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG75965-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL SDG No.: GEO-14

Lab File ID: S9916 Lab Sample ID: WG75965-2

Date Analyzed: 04/07/10 Time Analyzed: 1150

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG75965-LCS	WG75965-1	S9913	04/07/10	1014
02	WG75965-LCSD	WG75965-3	S9914	04/07/10	1045
03	TRIP BLANK	SD1724-37	S9917	04/07/10	1221
04	SB-B2	SD1724-1	S9918	04/07/10	1253
05	SB-B3	SD1724-5	S9920	04/07/10	1356
06	MW-209I	SD1724-7	S9921	04/07/10	1427
07	MW-207I	SD1724-9	S9922	04/07/10	1459
08	MW-200S	SD1724-13	S9924	04/07/10	1601
09	MW-204-IA	SD1724-15	S9925	04/07/10	1633
10	MW-204-IB	SD1724-17	S9926	04/07/10	1704
11	SB-10I	SD1724-19	S9927	04/07/10	1736
12	MW-206S	SD1724-21	S9928	04/07/10	1807
13	MW-200I DUP	SD1724-23	S9929	04/07/10	1839
14	MW-200I	SD1724-25	S9930	04/07/10	1911
15	MW-208I	SD1724-27	S9931	04/07/10	1943
16	SB-D2	SD1724-31	S9933	04/07/10	2047
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07-APR-2010 11:50
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: WG75965-2
Client ID: WG75965-Blank
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
74-87-3	Chloromethane	U	1	1.0	1	1	0.4
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.5
75-00-3	Chloroethane	U	1	1.0	1	1	0.6
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07-APR-2010 11:50
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: WG75965-2
Client ID: WG75965-Blank
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		91%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		73%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/07/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG75965-1 & WG75965-3
Client ID: WG75965-LCS & WG75965-LCSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	NA	36	38	71		77	7	20	29-164
Chloromethane	50	50	NA	42	45	83		90	8	20	59-123
Vinyl chloride	50	50	NA	42	46	85		91	7	20	64-131
Bromomethane	50	50	NA	41	44	83		89	7	20	57-135
Chloroethane	50	50	NA	43	46	85		93	8	20	53-157
Trichlorofluoromethane	50	50	NA	46	51	93		102	9	20	70-149
Diethyl Ether	50	50	NA	54	55	109		111	1	20	78-124
Tertiary-butyl alcohol	250	250	NA	349	349	140		140	0.0	20	11-151
1,1-Dichloroethene	50	50	NA	48	53	96		107	10	20	88-127
Carbon Disulfide	50	50	NA	48	52	97		105	8	20	71-129
Freon-113	50	50	NA	57	58	113		117	3	20	73-126
Iodomethane	50	50	NA	59	66	117		132	12	20	54-155
Acrolein	250	250	NA	280	280	112		112	0.0	20	62-135
Methylene Chloride	50	50	NA	50	53	100		106	6	20	72-129
Acetone	50	50	NA	54	54	108		109	0.6	20	62-172
Isobutyl Alcohol	1000	1000	NA	1390	1410	139		141	1	20	16-147
trans-1,2-Dichloroethene	50	50	NA	48	52	96		103	7	20	78-125
Allyl Chloride	50	50	NA	51	55	101		110	8	20	78-121
Methyl tert-butyl ether	100	100	NA	105	108	105		108	3	20	81-125
Acetonitrile	500	500	NA	609	588	122		118	4	20	61-125
Di-isopropyl ether	50	50	NA	55	55	110		110	0.4	20	81-123
Chloroprene	50	50	NA	53	56	107		111	4	20	75-128
Methacrylonitrile	500	500	NA	545	569	109		114	4	20	78-123
Propionitrile	500	500	NA	590	614	118	*	123	4	20	75-118
1,1-Dichloroethane	50	50	NA	48	50	96		101	4	20	76-130
Acrylonitrile	250	250	NA	298	300	119		120	0.7	20	76-120
Ethyl tertiary-butyl ether	50	50	NA	54	56	108		113	5	20	85-119
Vinyl Acetate	50	50	NA	59	61	118		122	3	20	56-129
cis-1,2-Dichloroethene	50	50	NA	53	57	107		114	6	20	85-123
1,2-Dichloroethylene (total)	100	100	NA	101	108	101		108	7	20	84-121
Methyl Methacrylate	50	50	NA	59	64	117	*	129	9	20	79-121
2,2-Dichloropropane	50	50	NA	49	52	98		104	6	20	70-132
Bromochloromethane	50	50	NA	49	52	99		104	5	20	85-117
Chloroform	50	50	NA	51	54	102		108	6	20	78-128
Carbon Tetrachloride	50	50	NA	48	53	96		105	9	20	87-126
Tetrahydrofuran	50	50	NA	60	60	119		120	0.5	20	74-123
1,1,1-Trichloroethane	50	50	NA	49	52	97		105	8	20	77-129
1,1-Dichloropropene	50	50	NA	50	54	100		108	8	20	87-118
2-Butanone	50	50	NA	61	61	122		121	0.5	20	71-132
Benzene	50	50	NA	50	53	99		107	7	20	86-116
Cyclohexane	50	50	NA	49	51	98		103	4	20	71-133
Ethyl Methacrylate	50	50	NA	57	58	115		117	2	20	80-125
Tertiary-amyl methyl ether	50	50	NA	54	56	107		112	5	20	80-121
1,2-Dichloroethane	50	50	NA	52	54	104		108	4	20	81-125
Trichloroethene	50	50	NA	48	52	96		105	9	20	79-121

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/07/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG75965-1 & WG75965-3
Client ID: WG75965-LCS & WG75965-LCSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dibromomethane	50	50	NA	54	56	108	112	3	20	85-117
1,2-Dichloropropane	50	50	NA	51	55	101	110	8	20	84-118
Bromodichloromethane	50	50	NA	49	53	99	106	7	20	85-122
cis-1,3-dichloropropene	50	50	NA	50	52	101	105	4	20	83-119
1,4-Dioxane	1000	1000	NA	1240	1120	124	112	10	20	10-149
2-Chloroethylvinylether	50	50	NA	50	48	99	96	4	20	39-135
Toluene	50	50	NA	50	53	99	106	7	20	84-118
4-methyl-2-pentanone	50	50	NA	62	66	* 124	* 133	7	20	83-122
Tetrachloroethene	50	50	NA	48	45	96	90	7	20	47-155
trans-1,3-Dichloropropene	50	50	NA	56	56	112	112	0.5	20	85-135
1,1,2-Trichloroethane	50	50	NA	53	53	107	106	0.9	20	84-115
Dibromochloromethane	50	50	NA	55	53	111	107	4	20	85-119
1,3-Dichloropropane	50	50	NA	55	56	110	112	1	20	80-119
1,2-Dibromoethane	50	50	NA	54	52	109	103	5	20	84-116
2-Hexanone	50	50	NA	68	68	* 137	* 137	0.1	20	80-124
Chlorobenzene	50	50	NA	50	54	100	109	8	20	89-113
Ethylbenzene	50	50	NA	50	54	99	109	9	20	88-113
1,1,1,2-Tetrachloroethane	50	50	NA	51	56	102	112	9	20	88-118
Xylenes (total)	150	150	NA	152	165	101	110	8	20	89-116
m+p-Xylenes	100	100	NA	101	111	101	111	9	20	88-116
o-Xylene	50	50	NA	50	54	101	108	7	20	90-116
Styrene	50	50	NA	50	55	99	110	10	20	88-117
Bromoform	50	50	NA	53	56	105	113	7	20	86-117
Isopropylbenzene	50	50	NA	56	60	111	119	7	20	96-136
cis-1,4-Dichloro-2-Butene	50	50	NA	49	52	97	105	7	20	59-136
trans-1,4-Dichloro-2-Butene	50	50	NA	50	56	101	112	10	20	63-132
Bromobenzene	50	50	NA	53	57	106	* 114	8	20	84-113
N-Propylbenzene	50	50	NA	48	52	96	104	8	20	83-121
1,1,2,2-Tetrachloroethane	50	50	NA	56	58	113	117	3	20	79-121
1,3,5-Trimethylbenzene	50	50	NA	49	53	98	106	8	20	80-123
2-Chlorotoluene	50	50	NA	52	56	103	111	7	20	81-120
1,2,3-Trichloropropane	50	50	NA	56	58	111	117	5	20	77-120
4-Chlorotoluene	50	50	NA	50	52	99	105	5	20	81-122
tert-Butylbenzene	50	50	NA	54	58	108	117	8	20	84-121
Pentachloroethane	50	50	NA	58	63	117	126	8	20	19-186
1,2,4-Trimethylbenzene	50	50	NA	47	51	95	103	8	20	83-118
P-Isopropyltoluene	50	50	NA	49	52	98	104	5	20	88-121
1,3-Dichlorobenzene	50	50	NA	50	54	100	108	7	20	86-110
1,4-Dichlorobenzene	50	50	NA	48	51	96	102	6	20	86-111
N-Butylbenzene	50	50	NA	40	44	80	87	9	20	78-121
sec-Butylbenzene	50	50	NA	48	51	96	102	6	20	82-122
1,2-Dichlorobenzene	50	50	NA	51	53	102	106	4	20	86-112
1,2-Dibromo-3-Chloropropane	50	50	NA	56	58	113	116	3	20	67-124
1,3,5-Trichlorobenzene	50	50	NA	42	46	85	92	8	20	77-120
Hexachlorobutadiene	50	50	NA	48	53	96	105	9	20	73-113

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/07/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG75965-1 & WG75965-3
Client ID: WG75965-LCS & WG75965-LCSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG75965
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2,4-Trichlorobenzene	50	50	NA	39	42	78	84	8	20	76-126
1,2,3-Trimethylbenzene	50	50	NA	50	53	100	107	6	20	85-119
Naphthalene	50	50	NA	37	40	75	80	7	20	62-126
1,2,3-Trichlorobenzene	50	50	NA	38	41	77	82	7	20	70-122
Methyl Acetate	50	50	NA	59	59	118	118	0.0	20	70-132
Methylcyclohexane	50	50	NA	58	58	115	117	2	20	73-125
1-Chlorohexane	50	50	NA	48	52	96	103	7	20	73-119
Total Alkylbenzenes	350	350	NA	336	361	96	103	7	20	85-119

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG76024-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL SDG No.: GEO-14

Lab File ID: S9941 Lab Sample ID: WG76024-2

Date Analyzed: 04/08/10 Time Analyzed: 1053

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG76024-LCS	WG76024-1	S9938	04/08/10	0917
02	WG76024-LCSD	WG76024-5	S9939	04/08/10	0949
03	SB-B1	SD1724-3RA	S9942	04/08/10	1124
04	MW-200D	SD1724-11RA	S9943	04/08/10	1156
05	MW-208S	SD1724-29RA	S9944	04/08/10	1228
06	SB-B2	SD1724-1DL	S9945	04/08/10	1300
07	MW-207I	SD1724-9DL	S9946	04/08/10	1331
08	MW-208I	SD1724-27DL	S9947	04/08/10	1403
09	SB-D1	SD1724-33	S9948	04/08/10	1435
10	SB-D3I	SD1724-35	S9949	04/08/10	1507
11	SB-B2MS	WG76024-3	S9950	04/08/10	1539
12	SB-B2MSD	WG76024-4	S9951	04/08/10	1611
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 08-APR-2010 10:53
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: WG76024-2
Client ID: WG76024-Blank
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
74-87-3	Chloromethane	U	1	1.0	1	1	0.4
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.5
75-00-3	Chloroethane	U	1	1.0	1	1	0.6
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 08-APR-2010 10:53
Report Date: 04/19/2010
Matrix: WATER
% Solids: NA

Lab ID: WG76024-2
Client ID: WG76024-Blank
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		76%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/08/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG76024-1 & WG76024-5
Client ID: WG76024-LCS & WG76024-LCSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	NA	38	36	76	72	6	20	29-164
Chloromethane	50	50	NA	43	44	86	88	3	20	59-123
Vinyl chloride	50	50	NA	42	43	84	86	2	20	64-131
Bromomethane	50	50	NA	40	42	79	84	6	20	57-135
Chloroethane	50	50	NA	42	46	84	91	8	20	53-157
Trichlorofluoromethane	50	50	NA	48	48	96	97	1	20	70-149
Diethyl Ether	50	50	NA	54	55	108	109	0.7	20	78-124
Tertiary-butyl alcohol	250	250	NA	348	342	139	137	2	20	11-151
1,1-Dichloroethene	50	50	NA	50	51	101	102	0.6	20	88-127
Carbon Disulfide	50	50	NA	49	51	99	101	3	20	71-129
Freon-113	50	50	NA	57	54	115	108	6	20	73-126
Iodomethane	50	50	NA	60	64	120	128	7	20	54-155
Acrolein	250	250	NA	269	264	108	106	2	20	62-135
Methylene Chloride	50	50	NA	50	52	100	105	5	20	72-129
Acetone	50	50	NA	68	76	137	153	11	20	62-172
Isobutyl Alcohol	1000	1000	NA	1440	1320	144	132	9	20	16-147
trans-1,2-Dichloroethene	50	50	NA	49	50	98	101	3	20	78-125
Allyl Chloride	50	50	NA	52	52	105	104	1	20	78-121
Methyl tert-butyl ether	100	100	NA	107	109	107	109	2	20	81-125
Acetonitrile	500	500	NA	620	610	124	122	2	20	61-125
Di-isopropyl ether	50	50	NA	55	54	110	108	1	20	81-123
Chloroprene	50	50	NA	54	52	108	104	4	20	75-128
Methacrylonitrile	500	500	NA	536	561	107	112	4	20	78-123
Propionitrile	500	500	NA	593	604	* 119	* 121	2	20	75-118
1,1-Dichloroethane	50	50	NA	48	50	97	99	2	20	76-130
Acrylonitrile	250	250	NA	293	301	117	120	3	20	76-120
Ethyl tertiary-butyl ether	50	50	NA	53	54	106	107	0.7	20	85-119
Vinyl Acetate	50	50	NA	58	59	116	117	1	20	56-129
cis-1,2-Dichloroethene	50	50	NA	54	55	108	110	2	20	85-123
1,2-Dichloroethylene (total)	100	100	NA	102	105	102	105	3	20	84-121
Methyl Methacrylate	50	50	NA	59	65	119	* 129	8	20	79-121
2,2-Dichloropropane	50	50	NA	50	50	100	101	0.6	20	70-132
Bromochloromethane	50	50	NA	49	51	98	103	5	20	85-117
Chloroform	50	50	NA	51	53	102	105	3	20	78-128
Carbon Tetrachloride	50	50	NA	51	52	102	105	2	20	87-126
Tetrahydrofuran	50	50	NA	59	60	118	120	2	20	74-123
1,1,1-Trichloroethane	50	50	NA	50	51	99	101	2	20	77-129
1,1-Dichloropropene	50	50	NA	51	51	103	103	0.2	20	87-118
2-Butanone	50	50	NA	64	68	127	* 136	6	20	71-132
Benzene	50	50	NA	51	53	102	106	4	20	86-116
Cyclohexane	50	50	NA	50	49	99	98	2	20	71-133
Ethyl Methacrylate	50	50	NA	58	60	117	120	3	20	80-125
Tertiary-amyl methyl ether	50	50	NA	53	54	107	109	2	20	80-121
1,2-Dichloroethane	50	50	NA	52	53	104	107	3	20	81-125
Trichloroethene	50	50	NA	50	50	99	101	2	20	79-121

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/08/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG76024-1 & WG76024-5
Client ID: WG76024-LCS & WG76024-LCSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dibromomethane	50	50	NA	54	57	108	114	5	20	85-117
1,2-Dichloropropane	50	50	NA	52	53	103	107	3	20	84-118
Bromodichloromethane	50	50	NA	51	53	102	105	3	20	85-122
cis-1,3-dichloropropene	50	50	NA	52	52	104	104	0.2	20	83-119
1,4-Dioxane	1000	1000	NA	1310	1150	131	115	13	20	10-149
2-Chloroethylvinylether	50	50	NA	51	49	103	97	6	20	39-135
Toluene	50	50	NA	51	54	102	107	5	20	84-118
4-methyl-2-pentanone	50	50	NA	60	69	121	* 139	14	20	83-122
Tetrachloroethene	50	50	NA	52	52	104	104	0.6	20	47-155
trans-1,3-Dichloropropene	50	50	NA	55	56	110	112	2	20	85-135
1,1,2-Trichloroethane	50	50	NA	54	54	108	108	0.2	20	84-115
Dibromochloromethane	50	50	NA	56	53	113	106	6	20	85-119
1,3-Dichloropropane	50	50	NA	56	56	111	111	0.2	20	80-119
1,2-Dibromoethane	50	50	NA	55	53	109	107	2	20	84-116
2-Hexanone	50	50	NA	69	74	* 139	* 148	7	20	80-124
Chlorobenzene	50	50	NA	51	53	103	107	4	20	89-113
Ethylbenzene	50	50	NA	51	53	102	105	3	20	88-113
1,1,1,2-Tetrachloroethane	50	50	NA	52	54	103	107	4	20	88-118
Xylenes (total)	150	150	NA	156	160	104	107	2	20	89-116
m+p-Xylenes	100	100	NA	104	108	104	108	4	20	88-116
o-Xylene	50	50	NA	52	52	104	105	1	20	90-116
Styrene	50	50	NA	51	53	102	107	4	20	88-117
Bromoform	50	50	NA	54	57	107	114	6	20	86-117
Isopropylbenzene	50	50	NA	56	59	112	117	4	20	96-136
cis-1,4-Dichloro-2-Butene	50	50	NA	46	49	91	98	7	20	59-136
trans-1,4-Dichloro-2-Butene	50	50	NA	51	54	101	109	7	20	63-132
Bromobenzene	50	50	NA	53	57	106	113	6	20	84-113
N-Propylbenzene	50	50	NA	49	51	97	102	5	20	83-121
1,1,2,2-Tetrachloroethane	50	50	NA	56	60	111	119	7	20	79-121
1,3,5-Trimethylbenzene	50	50	NA	50	52	99	104	5	20	80-123
2-Chlorotoluene	50	50	NA	52	55	104	110	5	20	81-120
1,2,3-Trichloropropane	50	50	NA	55	60	110	120	8	20	77-120
4-Chlorotoluene	50	50	NA	50	53	100	105	5	20	81-122
tert-Butylbenzene	50	50	NA	54	55	108	111	3	20	84-121
Pentachloroethane	50	50	NA	55	49	110	98	11	20	19-186
1,2,4-Trimethylbenzene	50	50	NA	48	51	97	102	6	20	83-118
P-Isopropyltoluene	50	50	NA	50	52	100	105	5	20	88-121
1,3-Dichlorobenzene	50	50	NA	51	54	102	109	6	20	86-110
1,4-Dichlorobenzene	50	50	NA	48	51	95	103	7	20	86-111
N-Butylbenzene	50	50	NA	42	44	83	88	5	20	78-121
sec-Butylbenzene	50	50	NA	48	50	97	101	4	20	82-122
1,2-Dichlorobenzene	50	50	NA	51	54	101	109	7	20	86-112
1,2-Dibromo-3-Chloropropane	50	50	NA	55	59	109	119	8	20	67-124
1,3,5-Trichlorobenzene	50	50	NA	44	46	88	92	4	20	77-120
Hexachlorobutadiene	50	50	NA	50	52	100	104	4	20	73-113

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/08/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG76024-1 & WG76024-5
Client ID: WG76024-LCS & WG76024-LCSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2,4-Trichlorobenzene	50	50	NA	41	44	82	88	7	20	76-126
1,2,3-Trimethylbenzene	50	50	NA	50	52	99	103	4	20	85-119
Naphthalene	50	50	NA	40	44	80	88	9	20	62-126
1,2,3-Trichlorobenzene	50	50	NA	41	43	82	87	6	20	70-122
Methyl Acetate	50	50	NA	59	61	117	122	4	20	70-132
Methylcyclohexane	50	50	NA	58	54	117	108	8	20	73-125
1-Chlorohexane	50	50	NA	48	50	97	100	3	20	73-119
Total Alkylbenzenes	350	350	NA	340	357	97	102	5	20	85-119

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 04/08/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG76024-3 & WG76024-4
Client ID: SB-B2MS & SB-B2MSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	200	200	0.00	138	138	69	69	0.0	20	29-164
Chloromethane	200	200	0.00	153	155	76	78	1	20	59-123
Vinyl chloride	200	200	0.00	166	167	83	84	0.6	20	64-131
Bromomethane	200	200	0.00	155	160	78	80	3	20	57-135
Chloroethane	200	200	0.00	172	172	86	86	0.0	20	53-157
Trichlorofluoromethane	200	200	0.00	190	184	95	92	3	20	70-149
1,1-Dichloroethene	200	200	0.00	196	196	98	98	0.0	20	88-127
Carbon Disulfide	200	200	0.00	191	190	96	95	0.5	20	71-129
Methylene Chloride	200	200	0.00	193	191	96	96	1	20	72-129
Acetone	200	200	24	219	221	97	98	0.9	20	62-172
trans-1,2-Dichloroethene	200	200	0.00	188	186	94	93	1	20	78-125
Methyl tert-butyl ether	400	400	0.00	387	389	97	97	0.5	20	81-125
1,1-Dichloroethane	200	200	0.00	185	186	92	93	0.5	20	76-130
Vinyl Acetate	200	200	0.00	207	206	104	103	0.5	20	56-129
cis-1,2-Dichloroethene	200	200	1.0	203	203	101	101	0.0	20	85-123
1,2-Dichloroethylene (total)	400	400	1.0	390	390	97	97	0.0	20	84-121
Chloroform	200	200	0.00	195	196	98	98	0.5	20	78-128
Carbon Tetrachloride	200	200	0.00	186	193	93	96	4	20	87-126
Tetrahydrofuran	200	200	1880	1980	2000	* 50	* 60	1	20	74-123
1,1,1-Trichloroethane	200	200	0.00	189	190	94	95	0.5	20	77-129
2-Butanone	200	200	0.00	208	214	104	107	3	20	71-132
Benzene	200	200	26	221	217	98	96	2	20	86-116
1,2-Dichloroethane	200	200	1.2	195	193	97	96	1	20	81-125
Trichloroethene	200	200	0.00	193	189	96	94	2	20	79-121
1,2-Dichloropropane	200	200	0.00	196	200	98	100	2	20	84-118
Bromodichloromethane	200	200	0.00	177	180	88	90	2	20	85-122
cis-1,3-dichloropropene	200	200	0.00	175	175	88	88	0.0	20	83-119
Toluene	200	200	4.2	186	186	91	91	0.0	20	84-118
4-methyl-2-pentanone	200	200	0.00	237	245	118	122	3	20	83-122
Tetrachloroethene	200	200	0.00	164	163	82	82	0.6	20	47-155
trans-1,3-Dichloropropene	200	200	0.00	198	196	99	98	1	20	85-135
1,1,2-Trichloroethane	200	200	0.00	195	194	98	97	0.5	20	84-115
Dibromochloromethane	200	200	0.00	185	186	92	93	0.5	20	85-119
1,2-Dibromoethane	200	200	0.00	185	184	92	92	0.5	20	84-116
2-Hexanone	200	200	0.00	230	239	115	120	4	20	80-124
Chlorobenzene	200	200	3.0	199	196	98	96	2	20	89-113
Ethylbenzene	200	200	22	217	217	98	98	0.0	20	88-113
Xylenes (total)	600	600	63	667	665	101	100	0.3	20	89-116
m+p-Xylenes	400	400	31	436	433	101	100	0.7	20	88-116
o-Xylene	200	200	32	231	232	99	100	0.4	20	90-116
Styrene	200	200	0.00	189	192	94	96	2	20	88-117
Bromoform	200	200	0.00	189	188	94	94	0.5	20	86-117
1,1,2,2-Tetrachloroethane	200	200	0.00	207	208	104	104	0.5	20	79-121
1,3,5-Trimethylbenzene	200	200	2.9	196	194	96	96	1	20	80-123
1,2,4-Trimethylbenzene	200	200	4.4	190	189	93	92	0.5	20	83-118

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Geo Insight, Inc.
Project: Dover Landfill
PO No:
Sample Date: 04/01/10
Received Date: 04/05/10
Extraction Date:
Analysis Date: 04/08/10
Report Date: 04/16/2010
Matrix: WATER

Lab ID: WG76024-3 & WG76024-4
Client ID: SB-B2MS & SB-B2MSD
SDG: GEO-14
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG76024
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,3-Dichlorobenzene	200	200	0.00	190	189	95	94	0.5	20	86-110
1,4-Dichlorobenzene	200	200	0.00	180	184	90	92	2	20	86-111
1,2-Dichlorobenzene	200	200	4.2	196	195	96	95	0.5	20	86-112

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWAD13ICW1

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD13ICW1

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.860	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWAD14ICW2

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD14ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.860	U

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-001S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, TOTAL	119.5000		17.1300		100	102.4		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-002S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, DISSOLVED	119.8000		16.8500		100	102.9		75	125	P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2S

Matrix: WATER
SDG Name: GEO-14

Percent Solids: 0.00
Lab Sample ID: SD1724-001A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, TOTAL	514.7000		17.1300		500	99.5		75	125	P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SB-B2S

Matrix: WATER | **SDG Name:** GEO-14

Percent Solids: 0.00 | **Lab Sample ID:** SD1724-002A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, DISSOLVED	510.8000		16.8500		500	98.8		75	125	P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2WAD13ICW1

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD13ICW1

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	98.32	98.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2WAD14ICW2

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD14ICW2

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	95.78	95.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWAD13ICW1

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD13ICW1

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	95.73	95.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWAD14ICW2

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD14ICW2

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	98.78	98.8	80	120

7D

LABORATORY CONTROL SAMPLE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD13ICW1 **Lab Sample ID:** LCSWAD13ICW1

Concentration Units: ug/L

Analyte	Control Limit (%)	LCS Result	LCS Dup. Result	RPD(%)	Q
ARSENIC	20.0	95.73	98.32	2.7	

7D

LABORATORY CONTROL SAMPLE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: WATER **SDG Name:** GEO-14

QC Batch ID: AD14ICW2 **Lab Sample ID:** LCSWAD14ICW2

Concentration Units: ug/L

Analyte	Control Limit (%)	LCS Result	LCS Dup. Result	RPD(%)	Q
ARSENIC	20.0	98.78	95.78	3.1	

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B2L

Matrix: WATER **SDG Name:** GEO-14

Lab Sample ID: SD1724-001L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ARSENIC, TOTAL	17.13		14.64	J	14.5		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B2L

Matrix: WATER **SDG Name:** GEO-14

Lab Sample ID: SD1724-002L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ARSENIC, DISSOLVED	16.85		17.13	J	1.7		P

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client:	Geo Insight	KAS PM:	SMB	Sampled By:	Client
Project:		KIMS Entry By:	DD	Delivered By:	KAS
KAS Work Order#:	SD1724	KIMS Review By:		Received By:	DD
SDG #:		Cooler: 1 of 1		Date/Time Rec.:	4-5-10 1615

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 1.0
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: * **Aqueous:** No bubble larger than a pea	✓	✓			
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?	✓				*
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	✓				
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

* Samples SB-B2 and MW-207I each had 1 VOA vial which had headspace - bubble larger than pea size.

* Trip Blank in cooler not listed on COC - added to log in.

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
GeoInsight	Christene Boyer	(978) 692 1114	(978) 692 1115

Address	City	State	Zip Code
5 Lan Drive, Suite 200	Westford	MA	01886

Purchase Order #	Proj. Name / No.	Katahdin Quote #
2009-009	2009 / Dover Landfill	

Bill (if different than above) Address

Sampler (Print / Sign) Corynn Mahony / [signature] Copies To:

LAB USE ONLY WORK ORDER #: SD1724

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☒N VOCs + THF 8260 Bisf A	Filt. ☐Y ☒N Total Arsenic Method 6020	Filt. ☒Y ☐N Dissolved Arsenic Method 6020	Filt. ☐Y ☒N Manganese Reduction	Filt. ☐Y ☒N Manganese Reduction	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐
	SB-B2	4/1/10 /1105	GW	7	X	X	X	X	X					
	SB-B-1	4/1/10 /1230	GW	5	X	X	X							
	Matrix Spike (SB-B2)	4/1/10 /1105	GW	1		X								
	Matrix Spike Dup (SB-B2)	4/1/10 /1105	GW	1		X								
	SB-B3	4/1/10 /1705	GW	5	X	X	X							
	MW-209I	4/2/10 /1035	GW	5	X	X	X							
	MW-207-I	4/2/10 /1105	GW	5	X	X	X							
	MW-200-D	4/2/10 /1525	GW	5	X	X	X							
	MW-200S	4/2/10 /1600	GW	5	X	X	X							
	MW-204-IA	4/5/10 /0955	GW	5	X	X	X							
	MW-204-IB	4/5/10 /1040	GW	5	X	X	X							
	SB-10I	4/5/10 /1205	GW	5	X	X	X							
	MW-206S	4/1/10 ~~1130~~ 1720	GW	5	X	X	X							
	MW-200I Dup	4/1/10 /1210	GW	5	X	X	X							
	MW-200I	4/1/10 /1100	GW	5	X	X	X							
	MW-208I	4/2/10 /1100	GW	5	X	X	X							

COMMENTS Sample Delivery Group = GEO-14

Matrix Spike & Matrix Spike Dup taken from SB-B2

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	4/5/10 1350	Dave Kennedy			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
GeoInSight	Christene Binger	(978) 692-1114	(978) 692-1115

Address	City	State	Zip Code
15 Lan Drive, Suite 200	Westford	MA	01886

Purchase Order #	Proj. Name / No.	Katahdin Quote #
2009-009	2009 / Dover Landfill	

Bill (if different than above) Address

Sampler (Print / Sign) Cory Mulcahy/

Copies To:

LAB USE ONLY WORK ORDER #:

KATAHDIN PROJECT NUMBER SD1724

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOC's + THF 8260 List A (Filt. ☐Y ☐N)	Total Arsenic Method 6020 (Filt. ☐Y ☐N)	Dissolved Arsenic Method 6020 (Filt. ☒Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐
	MW-208S	4/2/10 1210	GW	5	X	X	X							
	SB-D2	4/2/10 1605	GW	5	X	X	X							
	SB-D1	4/2/10 1535	GW	5	X	X	X							
	SB-D3I	4/2/10 1520	GW	5	X	X	X							
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		/												
		/												

COMMENTS Sample Delivery Group = Geo-14

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	4/5/10 1330				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Apr. 06, 2010
04:24 PM

Login Number: SD1724

Account: GEOI001
Geo Insight, Inc.

Project: GEOA8260
New Special List

NoWeb

Quote/Incoming: GEODOV001

Primary Report Address:

Christine Binger
Geo Insight Inc.
5 Lan Drive
Suite 200
Westford,MA 01886

Primary Invoice Address:

Accounts Payable
Geo Insight, Inc.
5 Lan Drive
Suite 200
Westford,MA 01886

Report CC Addresses:

Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	Report to MDL, Run LCS/LCS Dup, Include Narrative, Include Form II, Use package Generator for Metals Report, MS/MSD for #1 only three vials, two have air, check history before running
CHECK NO.	:	
CLIENT PO#	:	
COOLER TEMPERATURE	:	1.0
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	WEST-XLS-QC
PM	:	SMB
PROJECT NAME	:	Dover Landfill
QC LEVEL	:	II+
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Report to MDL, Run LCS/LCS Dup, Include Narrative, Include Form II, Use package Generator for Metals Report
SDG ID	:	GEO-14
SDG STATUS	:	Begin/End

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SD1724-1	SB-B2	01-APR-10 11:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			**MS/MSD for 8260 and MS for As due to sample volume**
Aqueous	S	SW6010-ARSENIC	28-SEP-10	250mL Plastic+HNO3	3	
Aqueous	S	SW8260-S	15-APR-10	40mL Vial+HCl	3	

SD1724-2	SB-B2	01-APR-10 11:05	05-APR-10		18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			**MS/MSD for 8260 and MS for As due to sample volume**
Aqueous	S	SW6010-ARSENIC-DIS	28-SEP-10	250mL Plastic+HNO3	1	

SD1724-3	SB-B1	01-APR-10 12:30	05-APR-10		18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC	28-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	15-APR-10	40mL Vial+HCl	3	

SD1724-4	SB-B1	01-APR-10 12:30	05-APR-10		18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	28-SEP-10	250mL Plastic+HNO3	1	

SD1724-5	SB-B3	01-APR-10 17:05	05-APR-10		18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC	28-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	15-APR-10	40mL Vial+HCl	3	

SD1724-6	SB-B3	01-APR-10 17:05	05-APR-10		18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	28-SEP-10	250mL Plastic+HNO3	1	

SD1724-7	MW-209I	02-APR-10 10:35	05-APR-10		18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

Login Number: SD1724

Account: GEOI001 NoWeb

Geo Insight, Inc.

Project: GEOA8260

New Special List

Quote/Incoming: GEODOV001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SD1724-8	MW-209I	02-APR-10 10:35	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-9	MW-207I	02-APR-10 11:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-10	MW-207I	02-APR-10 11:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-11	MW-200D	02-APR-10 15:25	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-12	MW-200D	02-APR-10 15:25	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-13	MW-200S	02-APR-10 16:00	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-14	MW-200S	02-APR-10 16:00	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-15	MW-204-IA	05-APR-10 09:55	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	02-OCT-10			
Aqueous	S	SW6010-ARSENIC	02-OCT-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	19-APR-10	40mL Vial+HCl	3	

SD1724-16	MW-204-IA	05-APR-10 09:55	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	02-OCT-10			
Aqueous	S	SW6010-ARSENIC-DIS	02-OCT-10	250mL Plastic+HNO3	1	

SD1724-17	MW-204-IB	05-APR-10 10:40	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	02-OCT-10			
Aqueous	S	SW6010-ARSENIC	02-OCT-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	19-APR-10	40mL Vial+HCl	3	

Login Number: SD1724

Account: GEOI001 NoWeb

Geo Insight, Inc.

Project: GEOA8260

New Special List

Quote/Incoming: GEODOV001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SD1724-18	MW-204-IB	05-APR-10 10:40	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	02-OCT-10			
Aqueous	S	SW6010-ARSENIC-DIS	02-OCT-10	250mL Plastic+HNO3	1	

SD1724-19	SB-10I	05-APR-10 12:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	02-OCT-10			
Aqueous	S	SW6010-ARSENIC	02-OCT-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	19-APR-10	40mL Vial+HCl	3	

SD1724-20	SB-10I	05-APR-10 12:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	02-OCT-10			
Aqueous	S	SW6010-ARSENIC-DIS	02-OCT-10	250mL Plastic+HNO3	1	

SD1724-21	MW-206S	01-APR-10 17:20	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC	28-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	15-APR-10	40mL Vial+HCl	3	

SD1724-22	MW-206S	01-APR-10 17:20	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	28-SEP-10	250mL Plastic+HNO3	1	

SD1724-23	MW-200I DUP	01-APR-10 12:10	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC	28-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	15-APR-10	40mL Vial+HCl	3	

SD1724-24	MW-200I DUP	01-APR-10 12:10	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	28-SEP-10	250mL Plastic+HNO3	1	

SD1724-25	MW-200I	01-APR-10 11:00	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC	28-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	15-APR-10	40mL Vial+HCl	3	

SD1724-26	MW-200I	01-APR-10 11:00	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	28-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	28-SEP-10	250mL Plastic+HNO3	1	

SD1724-27	MW-208I	02-APR-10 11:00	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

Login Number: SD1724 **Quote/Incoming:** GEODOV001

Account: GEOI001 NoWeb

Geo Insight, Inc.

Project: GEOA8260

New Special List

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SD1724-28	MW-208I	02-APR-10 11:00	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-29	MW-208S	02-APR-10 12:10	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-30	MW-208S	02-APR-10 12:10	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-31	SB-D2	02-APR-10 16:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-32	SB-D2	02-APR-10 16:05	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-33	SB-D1	02-APR-10 15:35	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-34	SB-D1	02-APR-10 15:35	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-35	SB-D3I	02-APR-10 15:20	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC	29-SEP-10	250mL Plastic+HNO3	1	
Aqueous	S	SW8260-S	16-APR-10	40mL Vial+HCl	3	

SD1724-36	SB-D3I	02-APR-10 15:20	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	29-SEP-10			
Aqueous	S	SW6010-ARSENIC-DIS	29-SEP-10	250mL Plastic+HNO3	1	

SD1724-37	TRIP BLANK	30-MAR-10 10:45	05-APR-10			18-APR-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	13-APR-10	40mL Vial+HCl	1	

Total Samples: **37** ***Total Analyses:*** **91**

Katahdin ANALYTICAL SERVICES

nelac Cert. No. E87604

August 11, 2010

Ms. Christine Binger
Geo Insight, Inc.
5 Lan Drive
Suite 200
Westford, MA 01886

RE: Katahdin Lab Number: SDG: GEO-15 (SD4495)
Project ID: Dover Landfill
Project Manager: Ms. Shelly Brown
Sample Receipt Date(s): July 27, 2010

Dear Ms. Binger:

Please find enclosed the following information:

* Report of Analysis (Analytical and/or Field)
* Quality Control Data Summary
* Chain of Custody (COC)
* Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to http://www.katahdinlab.com/cert.html for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.

Sincerely,
KATAHDIN ANALYTICAL SERVICES

Leslie Dimond
Authorized Signature

08/11/2010
Date

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
GEO INSIGHT, INC.
DOVER LANDFILL 2009-009
SDG: GEO-15
SD4495

Sample Receipt

The following samples were received on July 27, 2010 and were logged in under Katahdin Analytical Services work order number SD4495 for a hardcopy due date of August 9, 2010.

KATAHDIN Sample No.	GEO INSIGHT Sample Identification
SD4495-1	SB-B2 (I)
SD4495-2	SB-B2 (I)
SD4495-3	SB-B2 (I)-DUP
SD4495-4	SB-B2 (I)-DUP
SD4495-5	MW-200 (I)
SD4495-6	MW-200 (I)
SD4495-7	MW-209 (I)
SD4495-8	MW-209 (I)
SD4495-9	MW-208 (I)
SD4495-10	MW-208 (I)
SD4495-11	MW-207 (I)
SD4495-12	MW-207 (I)
SD4495-13	TRIP BLANK

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Shelly Brown**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of work order SDG: GEO-15 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of

Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis.

8260B Analysis

The reported percent recovery acceptance limits for the surrogates are based on laboratory established acceptance limits.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the laboratory SOP allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

Sample SD4495-1 was used for the matrix spike (MS) and matrix spike duplicate (MSD), as requested by the client.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Metals Analysis

The samples of SDG GEO-15 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Numbers SD4495-(1-12) were digested for ICP analysis on 07/28/10 (QC Batch AG28ICW0) in accordance with USEPA Method 3010A. Duplicate laboratory control samples were prepared in this batch. Katahdin Sample Numbers SD4495-(1 and 2) were prepared with matrix-spiked aliquots.

ICP analyses of SDG GEO-15 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recoveries of arsenic in the matrix-spiked aliquots of Katahdin Sample Numbers SD4495-(1 and 2) are within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added).

The serial dilution analyses of Katahdin Sample Numbers SD4495-(1 and 2) are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the MDL) for arsenic.

Reporting of Metals Results

Analytical results for client samples and batch QC samples (preparation blanks and laboratory control samples) have been reported down to the laboratory's method detection limits (MDLs) throughout the accompanying data package. These MDLs have been adjusted for each sample based on the sample amounts used in preparation and analysis. Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column.

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 Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
092710

Leslie Dimond
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS

(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U	Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.
E	Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
J	Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).
I-7	The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
A-4	Please refer to cover letter or narrative for further information.
MCL	Maximum Contaminant Level
NL	No limit
NFL	No Free Liquid Present
FLP	Free Liquid Present
NOD	No Odor Detected
TON	Threshold Odor Number
H1	Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
H2	Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
H3	Please note that the regulatory holding time for sulfite is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfite for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
H4	Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 17:07
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-1
Client ID: SB-B2 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride		4	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	J	0.9	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	3	1.0	5	5	1
67-64-1	Acetone		18	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		2	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether		1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		2	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	E	1400	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		17	1.0	5	5	1
71-43-2	Benzene		29	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.8	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene		3	1.0	1	1	0.2
100-41-4	Ethylbenzene		15	1.0	1	1	0.2
1330-20-7	Xylenes (total)		48	1.0	3	3	0.2
	m+p-Xylenes		33	1.0	2	2	0.6
95-47-6	o-Xylene		15	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 17:07
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-1
Client ID: SB-B2 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		3	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene		4	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	J	0.3	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	J	0.5	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene		3	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 29-JUL-2010 10:52
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-1DL
Client ID: SB-B2 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	4	2.0	2	4	0.5
74-87-3	Chloromethane	J	0.6	2.0	2	4	0.7
75-01-4	Vinyl chloride		7	2.0	2	4	0.5
74-83-9	Bromomethane	U	4	2.0	2	4	1.0
75-00-3	Chloroethane	U	4	2.0	2	4	1
75-69-4	Trichlorofluoromethane	U	4	2.0	2	4	0.5
75-35-4	1,1-Dichloroethene	U	2	2.0	1	2	0.7
75-15-0	Carbon Disulfide		2	2.0	1	2	0.5
75-09-2	Methylene Chloride	J	5	2.0	5	10	2
67-64-1	Acetone		21	2.0	5	10	4
156-60-5	trans-1,2-Dichloroethene		4	2.0	1	2	0.5
1634-04-4	Methyl tert-butyl ether	J	1	2.0	1	2	0.7
75-34-3	1,1-Dichloroethane	J	2	2.0	1	2	0.4
108-05-4	Vinyl Acetate	U	2	2.0	1	2	0.8
156-59-2	cis-1,2-Dichloroethene	J	0.8	2.0	1	2	0.4
540-59-0	1,2-Dichloroethylene (total)		4	2.0	2	4	0.4
67-66-3	Chloroform	U	2	2.0	1	2	0.6
56-23-5	Carbon Tetrachloride	U	2	2.0	1	2	0.4
109-99-9	Tetrahydrofuran		1500	2.0	5	10	3
71-55-6	1,1,1-Trichloroethane	U	2	2.0	1	2	0.4
78-93-3	2-Butanone		29	2.0	5	10	3
71-43-2	Benzene		27	2.0	1	2	0.5
107-06-2	1,2-Dichloroethane	J	1	2.0	1	2	0.4
79-01-6	Trichloroethene	U	2	2.0	1	2	0.6
78-87-5	1,2-Dichloropropane	U	2	2.0	1	2	0.5
75-27-4	Bromodichloromethane	U	2	2.0	1	2	0.7
10061-01-5	cis-1,3-dichloropropene	U	2	2.0	1	2	0.4
108-88-3	Toluene		2	2.0	1	2	0.5
108-10-1	4-methyl-2-pentanone	U	10	2.0	5	10	3
127-18-4	Tetrachloroethene	U	2	2.0	1	2	0.8
10061-02-6	trans-1,3-Dichloropropene	U	2	2.0	1	2	0.4
79-00-5	1,1,2-Trichloroethane	U	2	2.0	1	2	0.7
124-48-1	Dibromochloromethane	U	2	2.0	1	2	0.6
106-93-4	1,2-Dibromoethane	U	2	2.0	1	2	0.4
591-78-6	2-Hexanone	U	10	2.0	5	10	3
108-90-7	Chlorobenzene		4	2.0	1	2	0.4
100-41-4	Ethylbenzene		14	2.0	1	2	0.4
1330-20-7	Xylenes (total)		47	2.0	3	6	0.5
	m+p-Xylenes		32	2.0	2	4	1
95-47-6	o-Xylene		15	2.0	1	2	0.5
100-42-5	Styrene	U	2	2.0	1	2	0.5
75-25-2	Bromoform	U	2	2.0	1	2	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	2	2.0	1	2	0.8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 29-JUL-2010 10:52
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-1DL
Client ID: SB-B2 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		3	2.0	1	2	0.4
95-63-6	1,2,4-Trimethylbenzene		3	2.0	1	2	0.4
541-73-1	1,3-Dichlorobenzene	J	0.7	2.0	1	2	0.5
106-46-7	1,4-Dichlorobenzene	U	2	2.0	1	2	0.5
95-50-1	1,2-Dichlorobenzene	J	2	2.0	1	2	0.3
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		98%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B2 (I)

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	20.8			P	1	8.0	1.86

Bottle ID: G

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2 (I)

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	21.3			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 17:42
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-3
Client ID: SB-B2 (I)- DUP
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	J	1	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	3	1.0	5	5	1
67-64-1	Acetone		10	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		2	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether		1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		2	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	E	1400	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		17	1.0	5	5	1
71-43-2	Benzene		30	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.9	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene		3	1.0	1	1	0.2
100-41-4	Ethylbenzene		16	1.0	1	1	0.2
1330-20-7	Xylenes (total)		52	1.0	3	3	0.2
	m+p-Xylenes		35	1.0	2	2	0.6
95-47-6	o-Xylene		17	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 17:42
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-3
Client ID: SB-B2 (I)- DUP
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		3	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene		4	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	J	0.6	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene		3	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 29-JUL-2010 11:28
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-3DL
Client ID: SB-B2 (I)- DUP
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	4	2.0	2	4	0.5
74-87-3	Chloromethane	U	4	2.0	2	4	0.7
75-01-4	Vinyl chloride	U	4	2.0	2	4	0.5
74-83-9	Bromomethane	U	4	2.0	2	4	1.0
75-00-3	Chloroethane	U	4	2.0	2	4	1
75-69-4	Trichlorofluoromethane	U	4	2.0	2	4	0.5
75-35-4	1,1-Dichloroethene	U	2	2.0	1	2	0.7
75-15-0	Carbon Disulfide	U	2	2.0	1	2	0.5
75-09-2	Methylene Chloride	J	5	2.0	5	10	2
67-64-1	Acetone		11	2.0	5	10	4
156-60-5	trans-1,2-Dichloroethene		4	2.0	1	2	0.5
1634-04-4	Methyl tert-butyl ether	J	1	2.0	1	2	0.7
75-34-3	1,1-Dichloroethane	J	2	2.0	1	2	0.4
108-05-4	Vinyl Acetate	U	2	2.0	1	2	0.8
156-59-2	cis-1,2-Dichloroethene	J	0.8	2.0	1	2	0.4
540-59-0	1,2-Dichloroethylene (total)		4	2.0	2	4	0.4
67-66-3	Chloroform	U	2	2.0	1	2	0.6
56-23-5	Carbon Tetrachloride	U	2	2.0	1	2	0.4
109-99-9	Tetrahydrofuran		1300	2.0	5	10	3
71-55-6	1,1,1-Trichloroethane	U	2	2.0	1	2	0.4
78-93-3	2-Butanone		29	2.0	5	10	3
71-43-2	Benzene		28	2.0	1	2	0.5
107-06-2	1,2-Dichloroethane	J	0.9	2.0	1	2	0.4
79-01-6	Trichloroethene	U	2	2.0	1	2	0.6
78-87-5	1,2-Dichloropropane	U	2	2.0	1	2	0.5
75-27-4	Bromodichloromethane	U	2	2.0	1	2	0.7
10061-01-5	cis-1,3-dichloropropene	U	2	2.0	1	2	0.4
108-88-3	Toluene		2	2.0	1	2	0.5
108-10-1	4-methyl-2-pentanone	U	10	2.0	5	10	3
127-18-4	Tetrachloroethene	U	2	2.0	1	2	0.8
10061-02-6	trans-1,3-Dichloropropene	U	2	2.0	1	2	0.4
79-00-5	1,1,2-Trichloroethane	U	2	2.0	1	2	0.7
124-48-1	Dibromochloromethane	U	2	2.0	1	2	0.6
106-93-4	1,2-Dibromoethane	U	2	2.0	1	2	0.4
591-78-6	2-Hexanone	U	10	2.0	5	10	3
108-90-7	Chlorobenzene		3	2.0	1	2	0.4
100-41-4	Ethylbenzene		14	2.0	1	2	0.4
1330-20-7	Xylenes (total)		49	2.0	3	6	0.5
	m+p-Xylenes		33	2.0	2	4	1
95-47-6	o-Xylene		16	2.0	1	2	0.5
100-42-5	Styrene	U	2	2.0	1	2	0.5
75-25-2	Bromoform	U	2	2.0	1	2	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	2	2.0	1	2	0.8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 29-JUL-2010 11:28
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-3DL
Client ID: SB-B2 (I)- DUP
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		3	2.0	1	2	0.4
95-63-6	1,2,4-Trimethylbenzene		4	2.0	1	2	0.4
541-73-1	1,3-Dichlorobenzene	U	2	2.0	1	2	0.5
106-46-7	1,4-Dichlorobenzene	U	2	2.0	1	2	0.5
95-50-1	1,2-Dichlorobenzene	J	2	2.0	1	2	0.3
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		98%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2 (I)- DUP

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	19.6			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B2 (I)- DUP

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	20.8			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 15:21
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-5
Client ID: MW-200 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride		4	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	2	1.0	5	5	1
67-64-1	Acetone		10	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		2	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.9	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		190	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		15	1.0	5	5	1
71-43-2	Benzene		7	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	0.8	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	J	0.8	1.0	1	1	0.2
100-41-4	Ethylbenzene		7	1.0	1	1	0.2
1330-20-7	Xylenes (total)		9	1.0	3	3	0.2
	m+p-Xylenes		4	1.0	2	2	0.6
95-47-6	o-Xylene		5	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 15:21
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-5
Client ID: MW-200 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.7	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	1.0	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		96%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200 (I)
Matrix: WATER
SDG Name: GEO-15
Percent Solids: 0.00
Lab Sample ID: SD4495-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	21.0			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-200 (I)

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	22.1			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 15:57
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-7
Client ID: MW-209 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane		4	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride		4	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	2	1.0	5	5	1
67-64-1	Acetone		16	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	J	0.4	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	J	0.8	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		88	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		14	1.0	5	5	1
71-43-2	Benzene		9	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	J	0.5	1.0	1	1	0.2
100-41-4	Ethylbenzene		6	1.0	1	1	0.2
1330-20-7	Xylenes (total)		5	1.0	3	3	0.2
	m+p-Xylenes		3	1.0	2	2	0.6
95-47-6	o-Xylene		2	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 15:57
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-7
Client ID: MW-209 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.4	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.6	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		97%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-209 (I)

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	16.1			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-209 (I)

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	16.0			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 16:32
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-9
Client ID: MW-208 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride		4	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	J	0.4	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	3	1.0	5	5	1
67-64-1	Acetone		10	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		2	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	J	0.8	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		2	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		3	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		440	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		16	1.0	5	5	1
71-43-2	Benzene		14	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane		1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	J	0.8	1.0	1	1	0.2
100-41-4	Ethylbenzene		6	1.0	1	1	0.2
1330-20-7	Xylenes (total)		5	1.0	3	3	0.2
	m+p-Xylenes		2	1.0	2	2	0.6
95-47-6	o-Xylene		3	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 16:32
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-9
Client ID: MW-208 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	J	0.7	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.4	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		99%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-208 (I)

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	14.8			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-208 (I)
Matrix: WATER
SDG Name: GEO-15
Percent Solids: 0.00
Lab Sample ID: SD4495-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	20.8			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 18:18
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-11
Client ID: MW-207 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	J	0.4	1.0	2	2	0.4
75-01-4	Vinyl chloride		4	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane		4	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	J	0.4	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	3	1.0	5	5	1
67-64-1	Acetone		17	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene		2	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether		1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane		2	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene		2	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)		4	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran		810	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone		17	1.0	5	5	1
71-43-2	Benzene		22	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	J	1.0	1.0	1	1	0.2
79-01-6	Trichloroethene	J	0.3	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene		2	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	J	1.0	1.0	1	1	0.2
100-41-4	Ethylbenzene		6	1.0	1	1	0.2
1330-20-7	Xylenes (total)		12	1.0	3	3	0.2
	m+p-Xylenes		5	1.0	2	2	0.6
95-47-6	o-Xylene		6	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 18:18
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-11
Client ID: MW-207 (I)
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene		1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.7	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	J	0.6	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		95%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		97%				

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: MW-207 (I)

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, TOTAL	20.1			P	1	8.0	1.86

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-207 (I)

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-38-2	ARSENIC, DISSOLVED	25.1			P	1	8.0	1.86

Bottle ID: A

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 14:46
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-13
Client ID: TRIP BLANK
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.4
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.5
75-00-3	Chloroethane	U	2	1.0	2	2	0.6
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	J	2	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 28-JUL-2010 14:46
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: SD4495-13
Client ID: TRIP BLANK
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		89%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL 2009-009 SDG No.: GEO-15

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG80256-LCS	WG80256-1	99	95	98	97	0
02	WG80256-LCSD	WG80256-3	101	95	98	96	0
03	WG80256-BLANK	WG80256-2	100	99	99	100	0
04	TRIP BLANK	SD4495-13	98	95	91	89	0
05	MW-200 (I)	SD4495-5	98	96	96	96	0
06	MW-209 (I)	SD4495-7	97	94	98	97	0
07	MW-208 (I)	SD4495-9	96	94	98	99	0
08	SB-B2 (I)	SD4495-1	96	97	97	97	0
09	SB-B2 (I)- DUP	SD4495-3	94	96	98	98	0
10	MW-207 (I)	SD4495-11	95	95	99	97	0
11	WG80321-LCS	WG80321-1	102	97	99	95	0
12	WG80321-BLANK	WG80321-2	99	99	98	98	0
13	WG80321-LCSD	WG80321-5	100	97	98	97	0
14	SB-B2 (I)	SD4495-1DL	96	99	96	98	0
15	SB-B2 (I)- DUP	SD4495-3DL	97	97	98	98	0
16	SB-B2 (I)MS	WG80321-3	98	97	98	97	0
17	SB-B2 (I)MSD	WG80321-4	98	95	99	98	0
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(68-128)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(67-135)
SMC3 (TOL) = Toluene-D8	(65-128)
SMC4 (BFB) = P-Bromofluorobenzene	(56-133)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

| WG80256-BLANK |

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL 2009-009 SDG No.: GEO-15

Lab File ID: M4587 Lab Sample ID: WG80256-2

Date Analyzed: 07/28/10 Time Analyzed: 1218

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-M

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG80256-LCS	WG80256-1	M4584	07/28/10	1032
02	WG80256-LCSD	WG80256-3	M4585	07/28/10	1107
03	TRIP BLANK	SD4495-13	M4591	07/28/10	1446
04	MW-200 (I)	SD4495-5	M4592	07/28/10	1521
05	MW-209 (I)	SD4495-7	M4593	07/28/10	1557
06	MW-208 (I)	SD4495-9	M4594	07/28/10	1632
07	SB-B2 (I)	SD4495-1	M4595	07/28/10	1707
08	SB-B2 (I)- DUP	SD4495-3	M4596	07/28/10	1742
09	MW-207 (I)	SD4495-11	M4597	07/28/10	1818
10					
11					
12					
13					
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29					
30					

COMMENTS:

FORM IVVOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-JUL-2010 12:18
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: WG80256-2
Client ID: WG80256-Blank
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
74-87-3	Chloromethane	U	1	1.0	1	1	0.4
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.5
75-00-3	Chloroethane	U	1	1.0	1	1	0.6
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-JUL-2010 12:18
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: WG80256-2
Client ID: WG80256-Blank
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07/28/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80256-1 & WG80256-3
Client ID: WG80256-LCS & WG80256-LCSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	NA	45	45	89	91	2	20	29-164
Chloromethane	50	50	NA	50	49	100	98	2	20	59-123
Vinyl chloride	50	50	NA	48	48	97	96	1	20	64-131
Bromomethane	50	50	NA	54	55	108	110	1	20	57-135
Chloroethane	50	50	NA	66	63	131	126	4	20	53-157
Trichlorofluoromethane	50	50	NA	56	56	111	111	0.4	20	70-149
Diethyl Ether	50	50	NA	52	49	105	99	6	20	78-124
Tertiary-butyl alcohol	250	250	NA	277	282	111	113	2	20	11-151
1,1-Dichloroethene	50	50	NA	55	56	110	113	2	20	88-127
Carbon Disulfide	50	50	NA	49	50	98	100	2	20	71-129
Freon-113	50	50	NA	54	49	107	99	8	20	73-126
Iodomethane	50	50	NA	51	51	102	102	0.8	20	54-155
Acrolein	250	250	NA	233	227	93	91	3	20	62-135
Methylene Chloride	50	50	NA	51	51	101	102	0.4	20	72-129
Acetone	50	50	NA	53	59	106	117	10	20	62-172
Isobutyl Alcohol	1000	1000	NA	1050	975	105	98	7	20	16-147
trans-1,2-Dichloroethene	50	50	NA	50	51	99	102	2	20	78-125
Allyl Chloride	50	50	NA	50	48	101	97	4	20	78-121
Methyl tert-butyl ether	100	100	NA	108	105	108	105	3	20	81-125
Acetonitrile	500	500	NA	552	487	110	97	12	20	61-125
Di-isopropyl ether	50	50	NA	52	50	104	100	4	20	81-123
Chloroprene	50	50	NA	51	49	102	97	4	20	75-128
Methacrylonitrile	500	500	NA	494	492	99	98	0.4	20	78-123
Propionitrile	500	500	NA	496	490	99	98	1	20	75-118
1,1-Dichloroethane	50	50	NA	55	56	110	112	1	20	76-130
Acrylonitrile	250	250	NA	240	237	96	95	1	20	76-120
Ethyl tertiary-butyl ether	50	50	NA	52	49	103	98	4	20	85-119
Vinyl Acetate	50	50	NA	52	53	104	106	1	20	56-129
cis-1,2-Dichloroethene	50	50	NA	58	58	116	116	0.0	20	85-123
1,2-Dichloroethylene (total)	100	100	NA	108	109	108	109	0.9	20	84-121
Methyl Methacrylate	50	50	NA	50	48	100	96	3	20	79-121
2,2-Dichloropropane	50	50	NA	47	48	94	96	1	20	70-132
Bromochloromethane	50	50	NA	54	54	108	109	0.4	20	85-117
Chloroform	50	50	NA	55	57	111	114	3	20	78-128
Carbon Tetrachloride	50	50	NA	57	57	114	114	0.4	20	87-126
Tetrahydrofuran	50	50	NA	53	50	107	101	5	20	74-123
1,1,1-Trichloroethane	50	50	NA	54	56	109	112	3	20	77-129
1,1-Dichloropropene	50	50	NA	55	54	109	109	0.2	20	87-118
2-Butanone	50	50	NA	59	60	119	121	2	20	71-132
Benzene	50	50	NA	52	53	104	106	1	20	86-116
Cyclohexane	50	50	NA	56	55	111	110	1	20	71-133
Ethyl Methacrylate	50	50	NA	52	50	104	101	3	20	80-125
Tertiary-amyl methyl ether	50	50	NA	50	48	100	96	3	20	80-121
1,2-Dichloroethane	50	50	NA	53	54	107	109	2	20	81-125
Trichloroethene	50	50	NA	52	52	104	104	0.2	20	79-121

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07/28/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80256-1 & WG80256-3
Client ID: WG80256-LCS & WG80256-LCSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dibromomethane	50	50	NA	53	53	107	105	2	20	85-117
1,2-Dichloropropane	50	50	NA	53	54	106	108	2	20	84-118
Bromodichloromethane	50	50	NA	54	53	108	107	1	20	85-122
cis-1,3-dichloropropene	50	50	NA	55	54	110	109	0.5	20	83-119
1,4-Dioxane	1000	1000	NA	399	393	40	39	2	20	10-149
2-Chloroethylvinylether	50	50	NA	35	34	71	67	5	20	39-135
Toluene	50	50	NA	53	53	106	106	0.0	20	84-118
4-methyl-2-pentanone	50	50	NA	56	56	113	112	0.7	20	83-122
Tetrachloroethene	50	50	NA	52	55	105	110	5	20	47-155
trans-1,3-Dichloropropene	50	50	NA	60	61	120	121	1.0	20	85-135
1,1,2-Trichloroethane	50	50	NA	51	53	103	105	2	20	84-115
Dibromochloromethane	50	50	NA	53	55	106	110	3	20	85-119
1,3-Dichloropropane	50	50	NA	51	54	103	107	4	20	80-119
1,2-Dibromoethane	50	50	NA	52	52	103	103	0.2	20	84-116
2-Hexanone	50	50	NA	55	58	110	116	5	20	80-124
Chlorobenzene	50	50	NA	52	53	104	107	2	20	89-113
Ethylbenzene	50	50	NA	52	53	105	106	1	20	88-113
1,1,1,2-Tetrachloroethane	50	50	NA	54	55	108	110	2	20	88-118
Xylenes (total)	150	150	NA	157	162	105	108	3	20	89-116
m+p-Xylenes	100	100	NA	105	108	105	108	3	20	88-116
o-Xylene	50	50	NA	52	54	104	108	3	20	90-116
Styrene	50	50	NA	53	54	106	109	2	20	88-117
Bromoform	50	50	NA	53	54	106	107	0.9	20	86-117
Isopropylbenzene	50	50	NA	59	58	118	116	2	20	96-136
cis-1,4-Dichloro-2-Butene	50	50	NA	54	48	107	95	11	20	59-136
trans-1,4-Dichloro-2-Butene	50	50	NA	48	46	96	92	3	20	63-132
Bromobenzene	50	50	NA	52	52	104	103	0.6	20	84-113
N-Propylbenzene	50	50	NA	52	51	104	102	2	20	83-121
1,1,2,2-Tetrachloroethane	50	50	NA	51	49	101	98	3	20	79-121
1,3,5-Trimethylbenzene	50	50	NA	52	52	105	105	0.2	20	80-123
2-Chlorotoluene	50	50	NA	53	52	105	103	2	20	81-120
1,2,3-Trichloropropane	50	50	NA	51	50	102	101	1	20	77-120
4-Chlorotoluene	50	50	NA	53	52	106	103	2	20	81-122
tert-Butylbenzene	50	50	NA	54	52	108	104	4	20	84-121
Pentachloroethane	50	50	NA	61	56	122	113	8	20	19-186
1,2,4-Trimethylbenzene	50	50	NA	53	52	106	104	2	20	83-118
P-Isopropyltoluene	50	50	NA	54	53	108	106	1	20	88-121
1,3-Dichlorobenzene	50	50	NA	50	50	100	99	1	20	86-110
1,4-Dichlorobenzene	50	50	NA	53	54	107	107	0.6	20	86-111
N-Butylbenzene	50	50	NA	52	51	104	101	3	20	78-121
sec-Butylbenzene	50	50	NA	52	51	103	101	2	20	82-122
1,2-Dichlorobenzene	50	50	NA	53	53	106	105	0.4	20	86-112
1,2-Dibromo-3-Chloropropane	50	50	NA	50	52	99	105	5	20	67-124
1,3,5-Trichlorobenzene	50	50	NA	54	52	109	103	5	20	77-120
Hexachlorobutadiene	50	50	NA	56	55	112	109	2	20	73-113

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07/28/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80256-1 & WG80256-3
Client ID: WG80256-LCS & WG80256-LCSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80256
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2,4-Trichlorobenzene	50	50	NA	57	56	113	111	2	20	76-126
1,2,3-Trimethylbenzene	50	50	NA	50	48	101	96	5	20	85-119
Naphthalene	50	50	NA	46	45	92	90	1	20	62-126
1,2,3-Trichlorobenzene	50	50	NA	50	48	100	97	3	20	70-122
Methyl Acetate	50	50	NA	52	51	104	103	2	20	70-132
Methylcyclohexane	50	50	NA	50	48	99	96	4	20	73-125
1-Chlorohexane	50	50	NA	52	46	104	93	11	20	73-119
Total Alkylbenzenes	350	350	NA	369	362	105	103	2	20	85-119

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

| WG80321-BLANK |

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: DOVER LANDFILL 2009-009 SDG No.: GEO-15

Lab File ID: M4609 Lab Sample ID: WG80321-2

Date Analyzed: 07/29/10 Time Analyzed: 0942

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-M

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG80321-LCS	WG80321-1	M4607	07/29/10	0819
02	WG80321-LCSD	WG80321-5	M4610	07/29/10	1017
03	SB-B2 (I)	SD4495-1DL	M4611	07/29/10	1052
04	SB-B2 (I)- DUP	SD4495-3DL	M4612	07/29/10	1128
05	SB-B2 (I)MS	WG80321-3	M4623	07/29/10	1809
06	SB-B2 (I)MSD	WG80321-4	M4624	07/29/10	1844
07					
08					
09					
10					
11					
12					
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14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
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28					
29					
30					

COMMENTS:

FORM IVVOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 29-JUL-2010 09:42
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: WG80321-2
Client ID: WG80321-Blank
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
74-87-3	Chloromethane	U	1	1.0	1	1	0.4
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.5
75-00-3	Chloroethane	U	1	1.0	1	1	0.6
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	5	1.0	5	5	1
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.2
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.4
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.2
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.2
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.2
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	1
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.6
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.2
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 29-JUL-2010 09:42
Report Date: 08/09/2010
Matrix: WATER
% Solids: NA

Lab ID: WG80321-2
Client ID: WG80321-Blank
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07/29/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80321-1 & WG80321-5
Client ID: WG80321-LCS & WG80321-LCSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	NA	61	58	122	116	5	20	29-164
Chloromethane	50	50	NA	56	54	112	108	3	20	59-123
Vinyl chloride	50	50	NA	54	52	108	104	4	20	64-131
Bromomethane	50	50	NA	54	53	107	106	0.9	20	57-135
Chloroethane	50	50	NA	72	66	144	132	9	20	53-157
Trichlorofluoromethane	50	50	NA	62	60	125	119	5	20	70-149
Diethyl Ether	50	50	NA	48	46	95	91	4	20	78-124
Tertiary-butyl alcohol	250	250	NA	254	290	102	116	13	20	11-151
1,1-Dichloroethene	50	50	NA	59	56	119	112	6	20	88-127
Carbon Disulfide	50	50	NA	47	44	93	88	6	20	71-129
Freon-113	50	50	NA	48	45	97	89	8	20	73-126
Iodomethane	50	50	NA	44	42	89	84	6	20	54-155
Acrolein	250	250	NA	229	226	92	90	1	20	62-135
Methylene Chloride	50	50	NA	54	51	107	103	4	20	72-129
Acetone	50	50	NA	64	67	128	134	4	20	62-172
Isobutyl Alcohol	1000	1000	NA	921	1060	92	106	14	20	16-147
trans-1,2-Dichloroethene	50	50	NA	53	49	107	98	8	20	78-125
Allyl Chloride	50	50	NA	44	42	89	83	6	20	78-121
Methyl tert-butyl ether	100	100	NA	99	102	99	102	3	20	81-125
Acetonitrile	500	500	NA	509	539	102	108	6	20	61-125
Di-isopropyl ether	50	50	NA	47	46	94	91	4	20	81-123
Chloroprene	50	50	NA	46	43	93	85	8	20	75-128
Methacrylonitrile	500	500	NA	449	466	90	93	4	20	78-123
Propionitrile	500	500	NA	474	489	95	98	3	20	75-118
1,1-Dichloroethane	50	50	NA	57	54	113	108	4	20	76-130
Acrylonitrile	250	250	NA	217	232	87	93	7	20	76-120
Ethyl tertiary-butyl ether	50	50	NA	44	43	88	86	2	20	85-119
Vinyl Acetate	50	50	NA	51	52	102	105	2	20	56-129
cis-1,2-Dichloroethene	50	50	NA	59	57	119	114	4	20	85-123
1,2-Dichloroethylene (total)	100	100	NA	113	106	113	106	6	20	84-121
Methyl Methacrylate	50	50	NA	43	48	86	96	10	20	79-121
2,2-Dichloropropane	50	50	NA	48	48	96	97	0.4	20	70-132
Bromochloromethane	50	50	NA	55	56	111	112	1	20	85-117
Chloroform	50	50	NA	58	56	116	112	3	20	78-128
Carbon Tetrachloride	50	50	NA	58	59	115	117	2	20	87-126
Tetrahydrofuran	50	50	NA	52	52	104	105	0.6	20	74-123
1,1,1-Trichloroethane	50	50	NA	57	55	114	110	3	20	77-129
1,1-Dichloropropene	50	50	NA	53	54	107	109	2	20	87-118
2-Butanone	50	50	NA	60	65	119	130	8	20	71-132
Benzene	50	50	NA	53	53	106	106	0.6	20	86-116
Cyclohexane	50	50	NA	55	52	110	104	6	20	71-133
Ethyl Methacrylate	50	50	NA	47	50	95	100	6	20	80-125
Tertiary-amyl methyl ether	50	50	NA	42	43	84	86	2	20	80-121
1,2-Dichloroethane	50	50	NA	58	59	116	118	2	20	81-125
Trichloroethene	50	50	NA	52	52	104	104	0.6	20	79-121

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07/29/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80321-1 & WG80321-5
Client ID: WG80321-LCS & WG80321-LCSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dibromomethane	50	50	NA	54	57	108	113	4	20	85-117
1,2-Dichloropropane	50	50	NA	54	53	108	107	1	20	84-118
Bromodichloromethane	50	50	NA	56	56	111	112	0.4	20	85-122
cis-1,3-dichloropropene	50	50	NA	56	57	112	113	0.9	20	83-119
1,4-Dioxane	1000	1000	NA	326	291	33	29	11	20	10-149
2-Chloroethylvinylether	50	50	NA	36	41	72	81	12	20	39-135
Toluene	50	50	NA	52	52	104	104	0.2	20	84-118
4-methyl-2-pentanone	50	50	NA	54	58	109	116	6	20	83-122
Tetrachloroethene	50	50	NA	53	55	106	110	4	20	47-155
trans-1,3-Dichloropropene	50	50	NA	64	63	128	127	0.9	20	85-135
1,1,2-Trichloroethane	50	50	NA	52	53	103	106	3	20	84-115
Dibromochloromethane	50	50	NA	54	56	107	112	4	20	85-119
1,3-Dichloropropane	50	50	NA	53	55	105	109	4	20	80-119
1,2-Dibromoethane	50	50	NA	52	55	105	109	4	20	84-116
2-Hexanone	50	50	NA	53	59	105	117	11	20	80-124
Chlorobenzene	50	50	NA	53	53	106	106	0.8	20	89-113
Ethylbenzene	50	50	NA	52	53	103	106	3	20	88-113
1,1,1,2-Tetrachloroethane	50	50	NA	55	56	110	113	2	20	88-118
Xylenes (total)	150	150	NA	158	158	105	105	0.0	20	89-116
m+p-Xylenes	100	100	NA	105	105	105	105	0.0	20	88-116
o-Xylene	50	50	NA	53	53	106	106	0.2	20	90-116
Styrene	50	50	NA	53	53	107	106	0.4	20	88-117
Bromoform	50	50	NA	53	57	107	114	6	20	86-117
Isopropylbenzene	50	50	NA	57	58	115	116	2	20	96-136
cis-1,4-Dichloro-2-Butene	50	50	NA	48	49	97	97	0.8	20	59-136
trans-1,4-Dichloro-2-Butene	50	50	NA	44	47	88	93	6	20	63-132
Bromobenzene	50	50	NA	52	52	103	105	2	20	84-113
N-Propylbenzene	50	50	NA	50	50	100	99	0.2	20	83-121
1,1,2,2-Tetrachloroethane	50	50	NA	47	51	94	101	7	20	79-121
1,3,5-Trimethylbenzene	50	50	NA	51	51	102	102	0.6	20	80-123
2-Chlorotoluene	50	50	NA	50	51	101	102	1	20	81-120
1,2,3-Trichloropropane	50	50	NA	49	52	98	104	6	20	77-120
4-Chlorotoluene	50	50	NA	51	52	102	103	1	20	81-122
tert-Butylbenzene	50	50	NA	51	51	102	102	0.4	20	84-121
Pentachloroethane	50	50	NA	57	58	114	117	2	20	19-186
1,2,4-Trimethylbenzene	50	50	NA	51	52	101	103	2	20	83-118
P-Isopropyltoluene	50	50	NA	50	51	99	102	2	20	88-121
1,3-Dichlorobenzene	50	50	NA	50	50	101	100	0.4	20	86-110
1,4-Dichlorobenzene	50	50	NA	53	54	105	107	2	20	86-111
N-Butylbenzene	50	50	NA	46	47	93	94	1	20	78-121
sec-Butylbenzene	50	50	NA	47	48	94	96	2	20	82-122
1,2-Dichlorobenzene	50	50	NA	51	52	103	105	2	20	86-112
1,2-Dibromo-3-Chloropropane	50	50	NA	43	50	86	99	14	20	67-124
1,3,5-Trichlorobenzene	50	50	NA	46	47	92	95	3	20	77-120
Hexachlorobutadiene	50	50	NA	45	45	90	89	0.7	20	73-113

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Dover Landfill 2009-009
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 07/29/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80321-1 & WG80321-5
Client ID: WG80321-LCS & WG80321-LCSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.		LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2,4-Trichlorobenzene	50	50	NA	47	50		94	99	5	20	76-126
1,2,3-Trimethylbenzene	50	50	NA	46	45		91	91	0.4	20	85-119
Naphthalene	50	50	NA	31	35		62	70	12	20	62-126
1,2,3-Trichlorobenzene	50	50	NA	32	37	*	65	75	14	20	70-122
Methyl Acetate	50	50	NA	51	52		102	105	2	20	70-132
Methylcyclohexane	50	50	NA	43	39		86	78	9	20	73-125
1-Chlorohexane	50	50	NA	45	55		90	110	20	20	73-119
Total Alkylbenzenes	350	350	NA	345	349		98	100	1	20	85-119

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 07/29/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80321-3 & WG80321-4
Client ID: SB-B2 (I)MS & SB-B2 (I)MSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	100	100	0.00	110	111	110	111	0.9	20	29-164
Chloromethane	100	100	0.00	114	117	114	117	2	20	59-123
Vinyl chloride	100	100	3.5	102	101	98	98	1.0	20	64-131
Bromomethane	100	100	0.00	99	100	99	100	1	20	57-135
Chloroethane	100	100	0.93	123	134	122	133	8	20	53-157
Trichlorofluoromethane	100	100	0.00	115	114	115	114	0.9	20	70-149
1,1-Dichloroethene	100	100	0.00	117	119	117	119	2	20	88-127
Carbon Disulfide	100	100	0.00	93	92	93	92	0.5	20	71-129
Methylene Chloride	100	100	2.6	104	108	101	105	4	20	72-129
Acetone	100	100	18	116	114	98	96	2	20	62-172
trans-1,2-Dichloroethene	100	100	2.2	105	104	103	102	1.0	20	78-125
Methyl tert-butyl ether	200	200	1.4	212	212	105	105	0.0	20	81-125
1,1-Dichloroethane	100	100	1.7	113	112	111	110	0.9	20	76-130
Vinyl Acetate	100	100	0.00	105	102	105	102	3	20	56-129
cis-1,2-Dichloroethene	100	100	0.84	119	118	118	117	0.8	20	85-123
1,2-Dichloroethylene (total)	200	200	3.0	224	223	110	110	0.4	20	84-121
Chloroform	100	100	0.00	116	113	116	113	3	20	78-128
Carbon Tetrachloride	100	100	0.00	121	121	121	121	0.0	20	87-126
Tetrahydrofuran	100	100	1420	1490	1440	* 70	* 20	3	20	74-123
1,1,1-Trichloroethane	100	100	0.00	115	114	115	114	0.9	20	77-129
2-Butanone	100	100	17	122	119	105	102	2	20	71-132
Benzene	100	100	29	132	135	103	106	2	20	86-116
1,2-Dichloroethane	100	100	0.80	118	119	117	118	0.8	20	81-125
Trichloroethene	100	100	0.00	108	111	108	111	3	20	79-121
1,2-Dichloropropane	100	100	0.00	108	109	108	109	0.9	20	84-118
Bromodichloromethane	100	100	0.00	113	114	113	114	0.9	20	85-122
cis-1,3-dichloropropene	100	100	0.00	111	112	111	112	0.9	20	83-119
Toluene	100	100	2.3	112	112	110	110	0.0	20	84-118
4-methyl-2-pentanone	100	100	0.00	118	116	118	116	2	20	83-122
Tetrachloroethene	100	100	0.00	111	114	111	114	3	20	47-155
trans-1,3-Dichloropropene	100	100	0.00	129	128	129	128	0.8	20	85-135
1,1,2-Trichloroethane	100	100	0.00	107	108	107	108	0.9	20	84-115
Dibromochloromethane	100	100	0.00	112	115	112	115	3	20	85-119
1,2-Dibromoethane	100	100	0.00	114	114	114	114	0.0	20	84-116
2-Hexanone	100	100	0.00	115	109	115	109	5	20	80-124
Chlorobenzene	100	100	3.2	111	114	108	111	3	20	89-113
Ethylbenzene	100	100	15	122	124	107	109	2	20	88-113
Xylenes (total)	300	300	48	362	366	105	106	1	20	89-116
m+p-Xylenes	200	200	33	240	243	104	105	1	20	88-116
o-Xylene	100	100	15	122	122	107	107	0.0	20	90-116
Styrene	100	100	0.00	107	110	107	110	3	20	88-117
Bromoform	100	100	0.00	114	117	114	117	2	20	86-117
1,1,2,2-Tetrachloroethane	100	100	0.00	99	99	99	99	0.4	20	79-121
1,3,5-Trimethylbenzene	100	100	2.9	103	101	100	98	2	20	80-123
1,2,4-Trimethylbenzene	100	100	3.6	104	103	100	99	1.0	20	83-118

FORM III VOA-1
M4623.D & M4624.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Geo Insight, Inc.
Project: Dover Landfill 2009-009
PO No:
Sample Date: 07/20/10
Received Date: 07/27/10
Extraction Date:
Analysis Date: 07/29/10
Report Date: 08/09/2010
Matrix: WATER

Lab ID: WG80321-3 & WG80321-4
Client ID: SB-B2 (I)MS & SB-B2 (I)MSD
SDG: GEO-15
Extracted by:
Extraction Method: SW846 5030
Analyst: DJP
Analysis Method: SW846 8260B
Lab Prep Batch: WG80321
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,3-Dichlorobenzene	100	100	0.26	99	99	99	98	0.2	20	86-110
1,4-Dichlorobenzene	100	100	0.54	108	106	107	105	2	20	86-111
1,2-Dichlorobenzene	100	100	2.6	109	108	106	105	0.9	20	86-112

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWAG28ICW0

Matrix: WATER **SDG Name:** GEO-15

QC Batch ID: AG28ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.860	U

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B2 (I)S

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-001P

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, TOTAL	125.9000		20.8200		100	105.1		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2 (I)S

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-001S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, TOTAL	129.3000		20.8200		100	108.5		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: SB-B2 (I)S

Matrix: WATER

SDG Name: GEO-15

Percent Solids: 0.00

Lab Sample ID: SD4495-002P

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, DISSOLVED	132.5000		21.3400		100	111.2		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2 (I)S

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-002S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, DISSOLVED	132.9000		21.3400		100	111.6		75	125	P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services
Client Field ID: SB-B2 (I)

Matrix: WATER
SDG Name: GEO-15

Percent Solids: 0.00
Lab Sample ID: SD4495-001

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ARSENIC, TOTAL		129.3000		125.9000		2.7		P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SB-B2 (I)

Matrix: WATER **SDG Name:** GEO-15

Percent Solids: 0.00 **Lab Sample ID:** SD4495-002

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ARSENIC, DISSOLVED		132.9000		132.5000		0.3		P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2WAG28ICW0

Matrix: WATER **SDG Name:** GEO-15

QC Batch ID: AG28ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	104.30	104.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWAG28ICW0

Matrix: WATER **SDG Name:** GEO-15

QC Batch ID: AG28ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	105.30	105.3	80	120

7D

LABORATORY CONTROL SAMPLE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: WATER **SDG Name:** GEO-15

QC Batch ID: AG28ICW0 **Lab Sample ID:** LCSWAG28ICW0

Concentration Units: ug/L

Analyte	Control Limit (%)	LCS Result	LCS Dup. Result	RPD(%)	Q
ARSENIC	20.0	105.30	104.30	1.0	

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: GEO Insight	KAS PM: SMB	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: Fed Ex
KAS Work Order#: SD4495	KIMS Review By:	Received By: DD
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 7/27/10 0900

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 3.1
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea	✓	✓*			
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?	✓				
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol,	✓				Samples SB-B2(I) and SB-B2(I) DUP
TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9				✓	needed lab to add HNO3
Cyanide – pH >12				✓	Lot# J10027.

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

* All VOA vials for samples SB-B2(I) and SB-B2(I) DUP have varying amounts of headspace. Sample # MW 207 (I) = 2 of 3 vials have headspace

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: GEO INSIGHT, INC.
Contact: KEZ
Phone #: (978) 679-1600
Fax #: (978) 679-1601
Address: 1 Monarch Dr.
City: ~~Dover~~ Littleton
State: NH
Zip Code: 0
Purchase Order #:
Proj. Name / No.: Dover 2009-009
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): KEZ / SJL
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER: SD4495
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Total Arsenic (Filt. ☐Y ☒N)	Dissolved Arsenic (Filt. ☒Y ☐N) (field filtered)	VOCs + THF 8260 (Filt. ☐Y ☒N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	SB-B2(I)	7/20/10 / ~~12:55~~ 11:40	GW	5	X	X	X							
	SB-B2(I)-DUP	7/20/10 / 12:55	GW	5	X	X	X							
	SB-B2(I)-MS/MSD	7/20/10 / 11:45	GW	5	X	X	X							
	MW-200(I)	7/20/10 / 11:40	GW	5	X	X	X							
	MW-209(I)	7/20/10 / 13:20	GW	5	X	X	X							
	MW-208(I)	7/20/10 / 15:00	GW	5	X	X	X							
	MW-207(I)	7/20/10 / 2:00	GW	5	X	X	X							
	TRIP BLANK	— / —		3			X							
		/												
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS: SDG-15

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	7/21/10 17:00	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

AS-COC1

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 27, 2010
09:48 AM

Quote/Incoming: GEODOV001

Login Number: SD4495

Account: GEOI001
Geo Insight, Inc.

Project: GEOA8260
New Special List

NoWeb

Primary Report Address:
Christine Binger
Geo Insight Inc.
5 Lan Drive
Suite 200
Westford,MA 01886

Primary Invoice Address:
Accounts Payable
Geo Insight, Inc.
186 Granite Street
Suite A 3rd Floor
Manchester,NH 03101

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	Report to MDL, Run LCS/LCS Dup, Include Narrative, Include Form II, Use package Generator for Metals Report
CHECK NO.	:	
CLIENT PO#	:	
COOLER TEMPERATURE	:	3.1
DELIVERY SERVICES	:	Fed Ex
EDD FORMAT	:	WEST-XLS-QC
PM	:	SMB
PROJECT NAME	:	Dover Landfill 2009-009
QC LEVEL	:	II+
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Report to MDL, Run LCS/LCS Dup, Include Narrative, Include Form II, Use package Generator for Metals Report
SDG ID	:	GEO-15
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SD4495-1	SB-B2 (I)	20-JUL-10 11:40	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		MS/MSD
Aqueous	S	SW6010-ARSENIC	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

SD4495-2	SB-B2 (I)	20-JUL-10 11:40	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		MS/MSD
Aqueous	S	SW6010-ARSENIC-DIS	16-JAN-11	250mL Plastic+HNO3		

SD4495-3	SB-B2 (I)- DUP	20-JUL-10 12:55	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

SD4495-4	SB-B2 (I)- DUP	20-JUL-10 12:55	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC-DIS	16-JAN-11	250mL Plastic+HNO3		

SD4495-5	MW-200 (I)	20-JUL-10 14:40	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

SD4495-6	MW-200 (I)	20-JUL-10 14:40	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC-DIS	16-JAN-11	250mL Plastic+HNO3		

SD4495-7	MW-209 (I)	20-JUL-10 13:20	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

Login Number: SD4495

Quote/Incoming: GEODOV001

Account: GEOI001 NoWeb

Geo Insight, Inc.

Project: GEOA8260

New Special List

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SD4495-8	MW-209 (I)	20-JUL-10 13:20	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC-DIS	16-JAN-11	250mL Plastic+HNO3		

SD4495-9	MW-208 (I)	20-JUL-10 15:00	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

SD4495-10	MW-208 (I)	20-JUL-10 15:00	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC-DIS	16-JAN-11	250mL Plastic+HNO3		

SD4495-11	MW-207 (I)	20-JUL-10 14:00	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

SD4495-12	MW-207 (I)	20-JUL-10 14:00	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW3010-PREP	16-JAN-11	250mL Plastic+HNO3		
Aqueous	S	SW6010-ARSENIC-DIS	16-JAN-11	250mL Plastic+HNO3		

SD4495-13	TRIP BLANK	20-JUL-10 00:00	27-JUL-10			09-AUG-10	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	03-AUG-10	40mL Vial+HCl		

Total Samples: *13* ***Total Analyses:*** *31*

APPENDIX B

PERFORMANCE MONITORING WELL ANALYTICAL DATA TABLES

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-200(S)
SCREENED INTERVAL - 17 - 27 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Nov-07	Apr-09	Apr-10
benzene	5	**2**	**4**	**5**
ethylbenzene	---	**0.6 (J)**	**0.7 (J)**	**0.4 (J)**
toluene	1,000	<1	**0.4 (J)**	<1
xylenes (total)	---	<3	<3	<3
PCE	5	<1	<1	<1
TCE	5	<1	<1	<1
cis-1,2-DCE	70	**0.7 (J)**	**0.7 (J)**	**0.8 (J)**
vinyl chloride	2	**0.8 (J)**	**1 (J)**	**2 (J)**
acetone	700	<5	**3 (J)**	<5
tetrahydrofuran	154	<5	**2 (J)**	<5
2-butanone	200	<5	<5	<5
4-methyl 2-pentanone	350	<5	<5	<5
methylene chloride	5	<5	**0.5 (JB)**	<5
1,1,1-TCA	---	<1	<1	<1
1,1-DCA	---	<1	**1**	**2**
1,1-DCE	7	<1	<1	<1
1,2-DCA	5	<1	**0.9 (J)**	**1**
bromomethane	---	<2	<2	<2
chloromethane	---	<2	<2	<2
chloroform	---	<1	<1	<1
dibromochloromethane	---	<1	<1	<1
bromoform	---	<1	<1	<1
carbon disulfide	---	<1	<1	<1
styrene	---	<1	<1	<1
chloroethane	14,000	<2	<2	<2
chlorobenzene	---	**0.4 (J)**	**0.4 (J)**	<1
1,2-dichloropropane	---	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1
2-hexanone	---	<5	<5	<5
arsenic (dissolved)	10	**24.3**	**22.7**	**19.9**
arsenic (total)	---	**24.3**	**23.1**	**22.0**
calcium	---	---	---	---
iron (dissolved)	---	**84,600**	**82,800**	---
iron (total)	---	**86,800**	**83,600**	---
magnesium	---	---	---	---
manganese (dissolved)	---	**1,430**	---	---
manganese (total)	---	**1,460**	---	---
potassium	---	---	---	---
sodium	---	---	---	---
pH (SU)	---	6.19	6.25	6.16
SC (mS/cm)	---	0.864	0.995	1.162
Turb (NTU)	---	56.8	73.2	134
DO (mg/l)	---	0.08	0.28	0.18
ORP (mv)	---	-17	-46	-83
Temp (^{o}C)	---	9.65	11.66	11.00
Water Level Elevation	NA	143.80	144.12	144.22

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-200(I)
SCREENED INTERVAL - 35 - 45 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Nov-07	Nov-08	Apr-09	Jul-09	Oct-09	Dec-09	Apr-10	Jul-10
benzene	5	**4**	**6**	**6**	**6**	**4**	**6**	**7**	**7**
ethylbenzene	---	**3**	**5**	**5**	**5**	**3**	**6**	**5**	**7**
toluene	1,000	**0.8(J)**	**1**	**1**	**1**	**0.9(J)**	**1**	**2**	**2**
xylenes (total)	---	**2(J)**	**4**	**6**	**5**	**4**	**8**	**6**	**9**
PCE	5	<1	<1	<1	<1	<1	<1	<1	<1
TCE	5	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-DCE	70	**0.5(J)**	<1	**0.7(J)**	**0.7(J)**	**0.5(J)**	**0.7(J)**	**0.8(J)**	**0.9(J)**
vinyl chloride	2	**1(J)**	**1**	**1(J)**	**1(J)**	**0.9(J)**	**1(J)**	**1(J)**	**4**
acetone	700	<5	<5	**7**	**3(J)**	**6**	**5(J)**	**6**	**10**
tetrahydrofuran	154	**5**	**26**	**57**	**58**	**55**	**100**	**190**	**190**
2-butanone	200	<5	<5	**2(J)**	**3(J)**	**130**	<5	**3(J)**	**15**
4-methyl 2-pentanone	350	**7**	<5	<5	<5	<5	<5	<5	<5
methylene chloride	5	**0.7(J)**	<5	**2(JB)**	<5	<5	<5	<5	**2(J)**
1,1,1-TCA	---	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	<1	<1	**0.9(J)**	**0.8(J)**	**0.7(J)**	**1(J)**	**1**	**1**
1,1-DCE	7	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**0.5(J)**	<1	**0.6(J)**	**0.6(J)**	<1	<1	**0.8(J)**	**0.8(J)**
bromomethane	---	<2	<1	<2	<2	<2	<2	<2	<2
chloromethane	---	<2	<1	<2	<2	<2	<2	<2	<2
chloroform	---	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	<1	<1	<1	<1	<1	<1	<1	<1
styrene	---	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	14,000	<2	<1	<2	<2	<2	<2	<2	<2
chlorobenzene	---	**0.4(J)**	<1	**0.6(J)**	**0.5(J)**	<1	**0.7(J)**	<1	**0.8(J)**
1,2-dichloropropane	---	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	<5	<5	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	**21.7**	**16.5**	**16.1**	**21.2**	**21.7**	**24.1**	**15.9**	**22.1**
arsenic (total)	---	**19.5**	**16.6**	**18.2**	**20.8**	**23.4**	**22.2**	**18.5**	**21.0**
calcium	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	**83,100**	**93,900**	**95,800**	---	---	---	---	---
iron (total)	---	**80,400**	**89,500**	**98,100**	---	---	---	---	---
magnesium	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	**1,760**	**1,980**	**1,900**	---	---	---	---	---
manganese (total)	---	**1,720**	**1,870**	**1,930**	---	---	---	---	---
potassium	---	---	---	---	---	---	---	---	---
sodium	---	---	---	---	---	---	---	---	---
pH (SU)	---	6.22	6.36	6.20	6.20	6.37	6.16	6.14	6.21
SC (mS/cm)	---	0.841	0.945	1.151	1.139	0.918	1.213	1.268	1.275
Turb (NTU)	---	66.2	9.54	35.5	---	54.9	9.3	7.3	29.6
DO (mg/l)	---	0.06	0.2	0.13	0.21	0.34	0.27	0.14	0.17
ORP (mv)	---	-85	---	-70	-1	-72	-37	20	-138
Temp (^{o}C)	---	10.42	9.27	10.75	11.73	12.28	8.27	8.77	13.10
Water Level Elevation	---	---	---	146.03	144.96	144.94	145.57	146.04	144.24

SUMMARY OF GROUND WATER ANALYTICAL DATA
WELL MW-200(D)
SCREENED INTERVAL - 60 - 70 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Nov-07	Apr-09	Apr-10
benzene	5	<1	<1	<1
ethylbenzene	---	<1	<1	<1
toluene	1,000	<1	<1	<1
xylenes (total)	---	<3	<3	<3
PCE	5	<1	<1	<1
TCE	5	<1	<1	<1
cis-1,2-DCE	70	<1	<1	<1
vinyl chloride	2	<2	<2	<2
acetone	700	<5	<5	<5
tetrahydrofuran	154	<5	<5	<5
2-butanone	200	<5	<5	<5
4-methyl 2-pentanone	350	<5	<5	<5
methylene chloride	5	<5	**0.6(JB)**	<5
1,1,1-TCA	---	<1	<1	<1
1,1-DCA	---	<1	<1	<1
1,1-DCE	7	<1	<1	<1
1,2-DCA	5	<1	<1	<1
bromomethane	---	<2	<2	<2
chloromethane	---	<2	<2	<2
chloroform	---	<1	<1	<1
dibromochloromethane	---	<1	<1	<1
bromoform	---	<1	<1	<1
carbon disulfide	---	<1	<1	<1
styrene	---	<1	<1	<1
chloroethane	14,000	<2	<2	<2
chlorobenzene	---	<1	<1	<1
1,2-dichloropropane	---	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1
2-hexanone	---	<5	>5	<5
arsenic (dissolved)	10	**89.6**	**89.4**	**88.2**
arsenic (total)	---	**92.8**	**86.4**	**86.1**
calcium	---	---	---	---
iron (dissolved)	---	**158**	**131**	---
iron (total)	---	**1,170**	**206**	---
magnesium	---	---	---	---
manganese (dissolved)	---	**226**	---	---
manganese (total)	---	**246**	---	---
potassium	---	---	---	---
sodium	---	---	---	---
pH (SU)	---	9.51	7.45	7.65
SC (mS/cm)	---	0.169	0.170	0.166
Turb (NTU)	---	88	13.6	105
DO (mg/l)	---	0.14	0.06	0.16
ORP (mv)	---	-88	-109	-120
Temp (^{o}C)	---	10.73	11.01	9.60
Water Level Elevation	NA	144.16	144.66	145.06

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-204(IA)
SCREENED INTERVAL - 17 - 27 FEET BGS

SOUTHERN PLUME PDI
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Nov-07	Apr-09	Apr-10
benzene	5	**0.6 (J)**	**0.4(J)**	**0.9(J)**
ethylbenzene	---	<1	<1	<1
toluene	1,000	<1	<1	<1
xylenes (total)	---	<3	<3	<3
PCE	5	<1	<1	<1
TCE	5	<1	<1	<1
cis-1,2-DCE	70	<1	<1	**0.2 (J)**
vinyl chloride	2	<2	<2	**0.3 (J)**
acetone	700	<5	<5	<5
tetrahydrofuran	154	<5	<5	<5
2-butanone	200	<5	<5	<5
4-methyl 2-pentanone	350	<5	<5	<5
methylene chloride	5	<5	**0.9(JB)**	<5
1,1,1-TCA	---	<1	<1	<1
1,1-DCA	---	<1	**0.3(J)**	**1**
1,1-DCE	7	<1	<1	<1
1,2-DCA	5	<1	<1	<1
bromomethane	---	<2	<2	<2
chloromethane	---	<2	<2	<2
chloroform	---	<1	<1	<1
dibromochloromethane	---	<1	<1	<1
bromoform	---	<1	<1	<1
carbon disulfide	---	<1	<1	<1
styrene	---	<1	<1	<1
chloroethane	14,000	<2	<2	<2
chlorobenzene	---	<1	<1	<1
1,2-dichloropropane	---	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1
2-hexanone	---	<5	<5	<5
arsenic (dissolved)	10	**6.9 B**	<1.2	<1.86
arsenic (total)	---	**7.6 B**	<1.2	<1.86
calcium	---	---	---	---
iron (dissolved)	---	**30,600**	**23,000**	---
iron (total)	---	**31,300**	**22,600**	---
magnesium	---	---	---	---
manganese (dissolved)	---	**605**	---	---
manganese (total)	---	**606**	---	---
potassium	---	---	---	---
sodium	---	---	---	---
pH (SU)	---	6.02	7.46	5.99
SC (mS/cm)	---	0.380	0.315	0.562
Turb (NTU)	---	118	2.4	266
DO (mg/l)	---	0.15	0.31	0.28
ORP (mv)	---	-51	-23	-83
Temp (^{o}C)	---	5.42	11.63	10.50
Water Level Elevation	NA	142.75	142.92	142.93

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-204(IB)
SCREENED INTERVAL - 37 - 47 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Nov-07	Apr-10
benzene	5	<1	<1
ethylbenzene	---	<1	<1
toluene	1,000	<1	<1
xylenes (total)	---	<3	<3
PCE	5	<1	<1
TCE	5	<1	<1
cis-1,2-DCE	70	<1	<1
vinyl chloride	2	<2	<2
acetone	700	<5	<5
tetrahydrofuran	154	<5	<5
2-butanone	200	<5	<5
4-methyl 2-pentanone	350	<5	<5
methylene chloride	5	<5	<5
1,1,1-TCA	---	<1	<1
1,1-DCA	---	<1	<1
1,1-DCE	7	<1	<1
1,2-DCA	5	<1	<1
bromomethane	---	<2	<2
chloromethane	---	<2	<2
chloroform	---	<1	<1
dibromochloromethane	---	<1	<1
bromoform	---	<1	<1
carbon disulfide	---	<1	<1
styrene	---	<1	<1
chloroethane	14,000	<2	<2
chlorobenzene	---	<1	<1
1,2-dichloropropane	---	<1	<1
1,1,2-trichloroethane	---	<1	<1
cis-1,3-dichloropropene	---	<1	<1
trans-1,3-dichloropropene	---	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1
2-hexanone	---	<5	<5
arsenic (dissolved)	10	**78.7**	**85.6**
arsenic (total)	---	**78.9**	**84.5**
calcium	---	---	---
iron (dissolved)	---	**26.4 B**	---
iron (total)	---	**373**	---
magnesium	---	---	---
manganese (dissolved)	---	**62.6**	---
manganese (total)	---	**66.1**	---
potassium	---	---	---
sodium	---	---	---
pH (SU)	---	8.11	8.17
SC (mS/cm)	---	0.142	0.155
Turb (NTU)	---	22.7	79.1
DO (mg/l)	---	0.22	0.15
ORP (mv)	---	-145	-185
Temp (^{o}C)	---	7.31	10.33
Water Level Elevation	NA	143.61	144.04

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-206(S)
SCREENED INTERVAL - 3 - 13 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-09	Apr-10
benzene	5	**1 (J)**	**2**
ethylbenzene	---	<1	<1
toluene	1,000	<1	<1
xylenes (total)	---	<3	<3
PCE	5	<1	<1
TCE	5	<1	<1
cis-1,2-DCE	70	**0.7 (J)**	**0.6 (J)**
vinyl chloride	2	<2	**0.5 (J)**
acetone	700	**2.0 (J)**	<5
tetrahydrofuran	154	<5	<5
2-butanone	200	<5	<5
4-methyl 2-pentanone	350	<5	<5
methylene chloride	5	<5	<5
1,1,1-TCA	---	<1	<1
1,1-DCA	---	**0.6 (J)**	**0.8 (J)**
1,1-DCE	7	<1	<1
1,2-DCA	5	**0.8 (J)**	**0.8 (J)**
bromomethane	---	<2	<2
chloromethane	---	<2	<2
chloroform	---	<1	<1
dibromochloromethane	---	<1	<1
bromoform	---	<1	<1
carbon disulfide	---	<1	<1
styrene	---	<1	<1
chloroethane	14,000	<2	<2
chlorobenzene	---	<1	<1
1,2-dichloropropane	---	<1	<1
1,1,2-trichloroethane	---	<1	<1
cis-1,3-dichloropropene	---	<1	<1
trans-1,3-dichloropropene	---	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1
2-hexanone	---	<5	<5
arsenic (dissolved)	10	**3.2 (B)**	**3.4 (J)**
arsenic (total)	---	**3.3 (B)**	**2.4 (J)**
calcium	---	---	---
iron (dissolved)	---	**22,400**	---
iron (total)	---	**24,300**	---
magnesium	---	---	---
manganese (dissolved)	---	---	---
manganese (total)	---	---	---
potassium	---	---	---
sodium	---	---	---
pH (SU)	---	6.02	5.91
SC (mS/cm)	---	0.479	0.517
Turb (NTU)	---	123	69.0
DO (mg/l)	---	0.43	0.08
ORP (mv)	---	-54	38
Temp (^{o}C)	---	9.04	7.35
Water Level Elevation	NA	144.02	148.16

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-207(I)
SCREENED INTERVAL - 35 - 45 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-09	Jul-09	Oct-09	Dec-09	Apr-10	Jul-10
benzene	5	**21**	**20**	**20**	**20**	**24**	**22**
ethylbenzene	---	**7**	**6**	**6**	**5**	**8**	**6**
toluene	1,000	**3**	**2**	**2**	**2**	**3**	**2**
xylenes (total)	---	**13**	**11**	**12**	**10**	**9**	**12**
PCE	5	<1	<1	<1	<1	<1	<1
TCE	5	<1	<1	<1	<1	<1	**0.3(J)**
cis-1,2-DCE	70	**2**	**2**	**2**	**2**	**2**	**2**
vinyl chloride	2	<2	**0.4 (J)**	**0.6 (J)**	**0.3(J)**	**1(J)**	**4**
acetone	700	**17**	**10**	**16**	**15**	**27**	**17**
tetrahydrofuran	154	**1400**	**870**	**900**	**1200**	**1600**	**810**
2-butanone	200	**8**	<5	**8**	<5	<5	**17**
4-methyl 2-pentanone	350	<5	<5	<5	<5	<5	<5
methylene chloride	5	**2(JB)**	**2(JB)**	<5	**1(J)**	**2(J)**	**3(J)**
1,1,1-TCA	---	<1	<1	<1	<1	<1	<1
1,1-DCA	---	**3**	**3**	**3**	**3**	**4**	**2**
1,1-DCE	7	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**0.8(J)**	**0.9(J)**	**0.9(J)**	<1	**1**	**1.0(J)**
bromomethane	---	<2	<2	<2	<2	<2	<2
chloromethane	---	<2	<2	<2	<2	<2	**0.4(J)**
chloroform	---	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<1	<1	<1	<1	<1	<1
bromoform	---	<1	<1	<1	<1	<1	<1
carbon disulfide	---	<1	<1	<1	<1	<1	<1
styrene	---	<1	<1	<1	<1	<1	<1
chloroethane	14,000	**5**	**5**	**5**	**3**	**5**	**4**
chlorobenzene	---	**1(J)**	**0.8(J)**	<1	**0.8(J)**	**1**	**1.0(J)**
1,2-dichloropropane	---	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1	<1	<1	<1
2-hexanone	---	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	**17.8**	**20.8**	**24.1**	**26.2**	**19.9**	**25.1**
arsenic (total)	---	**17.5**	**21.0**	**25.2**	**27.6**	**18.4**	**20.1**
calcium	---	---	---	---	---	---	---
iron (dissolved)	---	**87,100**	---	---	---	---	---
iron (total)	---	**85,800**	---	---	---	---	---
magnesium	---	---	---	---	---	---	---
manganese (dissolved)	---	---	---	---	---	---	---
manganese (total)	---	---	---	---	---	---	---
potassium	---	---	---	---	---	---	---
sodium	---	---	---	---	---	---	---
pH (SU)	---	7.55	6.23	6.01	6.36	5.90	---
SC (mS/cm)	---	4.18	3.60	3.68	3.72	3.90	3.10
Turb (NTU)	---	24.0	---	102.0	105.0	105	2.61
DO (mg/l)	---	0.20	0.18	0.24	0.16	0.20	0.06
ORP (mv)	---	-19	37	-36	-39	-26	-39
Temp (^{o}C)	---	12.56	10.91	12.43	8.78	10.90	11.56
Water Level Elevation	NA	146.34	145.60	145.18	146.41	TOC	144.75

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-208(S)
SCREENED INTERVAL - 2 - 12 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-09	Apr-10
benzene	5	**0.3(J)**	**0.4(J)**
ethylbenzene	---	<1	<1
toluene	1,000	<1	<1
xylenes (total)	---	<3	<3
PCE	5	<1	<1
TCE	5	<1	<1
cis-1,2-DCE	70	**0.8(J)**	**1**
vinyl chloride	2	**0.3(J)**	**0.4(J)**
acetone	700	<5	<5
tetrahydrofuran	154	<5	<5
2-butanone	200	<5	<5
4-methyl 2-pentanone	350	<5	<5
methylene chloride	5	<5	<5
1,1,1-TCA	---	<1	<1
1,1-DCA	---	**0.3(J)**	<1
1,1-DCE	7	<1	<1
1,2-DCA	5	**0.6(J)**	**0.7(J)**
bromomethane	---	<2	<2
chloromethane	---	<2	<2
chloroform	---	<1	<1
dibromochloromethane	---	<1	<1
bromoform	---	<1	<1
carbon disulfide	---	<1	<1
styrene	---	<1	<1
chloroethane	14,000	<2	<2
chlorobenzene	---	<1	<1
1,2-dichloropropane	---	<1	<1
1,1,2-trichloroethane	---	<1	<1
cis-1,3-dichloropropene	---	<1	<1
trans-1,3-dichloropropene	---	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1
2-hexanone	---	<5	<5
arsenic (dissolved)	10	**2.5 (B)**	**1.9(J)**
arsenic (total)	---	**3.0 (B)**	<1.86
calcium	---	---	---
iron (dissolved)	---	**33,200**	---
iron (total)	---	**34,700**	---
magnesium	---	---	---
manganese (dissolved)	---	---	---
manganese (total)	---	---	---
potassium	---	---	---
sodium	---	---	---
pH (SU)	---	5.84	5.97
SC (mS/cm)	---	0.448	0.444
Turb (NTU)	---	61.7	9.9
DO (mg/l)	---	0.15	0.08
ORP (mv)	---	-50	47
Temp (^{o}C)	---	9.78	8.27
Water Level Elevation	NA	144.74	144.79

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-208(I)
SCREENED INTERVAL - 35 - 45 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-09	Jul-09	Oct-09	Dec-09	Apr-10	Jul-10
benzene	5	**16**	**4**	**10**	**13**	**21**	**14**
ethylbenzene	---	**7**	**2**	**4**	**5**	**8**	**6**
toluene	1,000	**2**	**0.5(J)**	**1**	**2**	**3**	**2**
xylenes (total)	---	**6**	<3	**4**	**5**	**5**	**5**
PCE	5	<1	<1	<1	<1	<1	<1
TCE	5	<1	<1	<1	<1	**0.3(J)**	<1
cis-1,2-DCE	70	**2**	**0.4(J)**	**0.9(J)**	**1**	**2**	**1**
vinyl chloride	2	<2	**0.5(J)**	**0.7(J)**	**0.8(J)**	**2(J)**	**4**
acetone	700	**14**	**3(J)**	**8**	**8**	**31**	**10**
tetrahydrofuran	154	**960**	**40**	**320**	**460**	**1,100**	**440**
2-butanone	200	<5	**2(J)**	**3(J)**	<5	**11**	**16**
4-methyl 2-pentanone	350	**6**	<5	<5	<5	<5	<5
methylene chloride	5	**0.9(JB)**	**0.6(JB)**	<5	**1(J)**	**2(J)**	**3(J)**
1,1,1-TCA	---	<1	<1	<1	<1	<1	<1
1,1-DCA	---	**2**	**0.5(J)**	**2**	**2**	**4**	**2**
1,1-DCE	7	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**2**	**0.6(J)**	**0.9 (J)**	<1	**2**	**1**
bromomethane	---	<2	<2	<2	<2	<2	<2
chloromethane	---	<2	<2	<2	<2	<2	<2
chloroform	---	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<1	<1	<1	<1	<1	<1
bromoform	---	<1	<1	<1	<1	<1	<1
carbon disulfide	---	<1	<1	<1	<1	<1	<1
styrene	---	<1	<1	<1	<1	<1	<1
chloroethane	14,000	**3**	<2	**2(J)**	**3**	**3**	<2
chlorobenzene	---	<1	<1	<1	<1	<1	**0.8(J)**
1,2-dichloropropane	---	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1	<1	<1	<1
2-hexanone	---	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	**18.7**	**11.2**	**20.8**	**22.1**	**18.8**	**20.8**
arsenic (total)	---	**18.3**	**12.9**	**21.6**	**22.7**	**21.4**	**14.8**
calcium	---	---	---	---	---	---	---
iron (dissolved)	---	**170,000**	---	---	---	---	---
iron (total)	---	**160,000**	---	---	---	---	---
magnesium	---	---	---	---	---	---	---
manganese (dissolved)	---	---	---	---	---	---	---
manganese (total)	---	---	---	---	---	---	---
potassium	---	---	---	---	---	---	---
sodium	---	---	---	---	---	---	---
pH (SU)	---	5.59	6.31	5.96	6.31	5.75	6.04
SC (mS/cm)	---	3.45	1.16	2.22	2.30	3.59	2.31
Turb (NTU)	---	88.1	---	153	42.8	42.3	117
DO (mg/l)	---	0.25	0.22	0.28	0.11	0.10	0.15
ORP (mv)	---	-32	-95	-24	-51	73	-87
Temp (^{o}C)	---	9.87	10.91	12.01	8.76	9.3	12.41
Water Level Elevation	NA	146.41	145.64	145.28	-0.87	146.86	144.83

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF GROUND WATER ANALYTICAL DATA
MW-209(I)
SCREENED INTERVAL - 35 - 45 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-09	Jul-09	Oct-09	Dec-09	Apr-10	Jul-10
benzene	5	**14**	**8**	**4**	**4**	**3**	**9**
ethylbenzene	---	**7**	**5**	**2**	**2**	**2**	**6**
toluene	1,000	**2**	**2**	**0.9(J)**	**0.7(J)**	<1	**2**
xylenes (total)	---	**12**	**5**	**2(J)**	**2(J)**	**1(J)**	**5**
PCE	5	<1	<1	<1	<1	<1	<1
TCE	5	<1	<1	<1	<1	<1	<1
cis-1,2-DCE	70	**0.7(J)**	**0.7(J)**	**0.3(J)**	**0.3(J)**	**0.3(J)**	**0.8(J)**
vinyl chloride	2	<2	**0.7 (J)**	**0.5 (J)**	<2	**0.5(J)**	**4**
acetone	700	**10**	**4 (J)**	<5	**4(J)**	**8**	**16**
tetrahydrofuran	154	**340**	**70**	**6**	<5	**6**	**88**
2-butanone	200	**3(J)**	<5	<5	<5	**2(J)**	**14**
4-methyl 2-pentanone	350	<5	<5	<5	<5	<5	<5
methylene chloride	5	<5	**0.8 (JB)**	<5	<5	<5	**2(J)**
1,1,1-TCA	---	<1	<1	<1	<1	<1	<1
1,1-DCA	---	**3**	**1**	<1	**0.5(J)**	<1	**1**
1,1-DCE	7	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**1(J)**	**1**	**0.6(J)**	<1	**0.5(J)**	**1**
bromomethane	---	<2	<2	<2	<2	<2	<2
chloromethane	---	<2	<2	<2	<2	<2	<2
chloroform	---	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<1	<1	<1	<1	<1	<1
bromoform	---	<1	<1	<1	<1	<1	<1
carbon disulfide	---	<1	<1	<1	<1	<1	<1
styrene	---	<1	<1	<1	<1	<1	<1
chloroethane	14,000	**2**	**0.7 (J)**	<2	<2	<2	<2
chlorobenzene	---	<1	<1	<1	<1	<1	**0.5(J)**
1,2-dichloropropane	---	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<1	<1	<1	<1	<1	<1
2-hexanone	---	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	**19.6**	**20.6**	**14.6**	**14.0**	**2.4(J)**	**16.0**
arsenic (total)	---	**18.8**	**20.4**	**15.9**	**17.6**	<1.86	**16.1**
calcium	---	---	---	---	---	---	---
iron (dissolved)	---	**135,000**	---	---	---	---	---
iron (total)	---	**133,000**	---	---	---	---	---
magnesium	---	---	---	---	---	---	---
manganese (dissolved)	---	---	---	---	---	---	---
manganese (total)	---	---	---	---	---	---	---
potassium	---	---	---	---	---	---	---
sodium	---	---	---	---	---	---	---
pH (SU)	---	6.13	6.20	6.13	6.46	6.07	6.10
SC (mS/cm)	---	2.270	1.570	1.029	0.949	0.953	1.52
Turb (NTU)	---	146	---	64.2	58.4	-9	47.9
DO (mg/l)	---	0.26	0.38	0.22	0.21	0.19	0.11
ORP (mv)	---	-73	-65	-69	-46	90.3	-114
Temp (^{o}C)	---	10.49	10.87	11.88	9.24	8.68	12.36
Water Level Elevation	NA	146.429	145.879	145.559	145.989	146.989	144.979

NOTES:
1. Laboratory analytical results are reported in ug/L (micrograms per liter).
2. DCE = Dichloroethene; DCA = Dichloroethane; MEK = Methyl Ethyl Ketone (2-butanone); MIBK = Methyl Isobutyl Ketone (4-methyl 2-pentanone); TCA = Trichloroethane; PCE = Tetrachloroethene; TCE = Tetrachloroethene.
3. ICL = Interim Cleanup Level.
4. NA = Not Applicable.
5. pH measured in SU (standard units); SC (specific conductivity) measured in mS/cm (millisiemens per centimeter); DO (dissolved oxygen) measured in mg/L (milligrams per liter); ORP = Oxidation Reduction Potential measured in mv (millivolts).
6. J = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL).
7. UJ = Indicates an estimated quantitation limit.
8. E = Result exceeded calibration range - estimated value.
9. D = Listed value obtained from second (diluted) analytical run.
10. B = Denotes an estimated value; constituent detected at a concentration below the Practical Quantitation Limit (PQL) for metals.
11. --- = Constituent was not analyzed or ICL has not been established for constituent.
12. "<" = Not detected above reported PQL.
13. BGS = Below Ground Surface.

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
WELL SB-B1
SCREENED INTERVAL - 4.5 - 15.5 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-93	Jul-93	Oct-93	May-94	Oct-94	May-95	Dec-95	Jun-96	Dec-96	May-97	Dec-97	May-98	Nov-98	May-99	Dec-99	Aug-00	Dec-00	Jul-01	Nov-01	May-02	Dec-02	May-03	Nov-03	May-04	Dec-04	May-05	Oct-05	Jun-06*	Oct-06	Jun-07	Oct-07	Jun-08	Nov-08	Apr-09	Nov-09	Apr-10	May-10
benzene	5	**0.3**	**0.6**	**0.4**	<1	**0.5(J)**	<1	<1	<1	**0.6(J)**	**0.7(J)**	**0.5(J)**	**0.8(J)**	<1	**3**	**0.6(J)**	<1	<1	**0.5(J)**	<1	**0.6(J)**	**0.7(J)**	**0.7(J)**	<10	**1**	**0.9(J)**	**1**	**0.9(J)**	**1**	**1**	**1**	**1**	**2**	**2**	**2**	**2**	**2**	**2**
ethylbenzene	---	**0.7**	**0.8**	**0.9**	**0.6(J)**	**0.7(J)**	**0.5(J)**	<1	**0.6(J)**	**0.6(J)**	**0.6(J)**	<1	**1**	<1	**0.6(J)**	<1	<1	<1	<1	<1	<1	**0.1(J)**	**0.2(J)**	<10	<1	**0.2(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.2(J)**	<1	<1
toluene	1,000	**0.5**	**0.8**	**0.4**	**0.5(J)**	<1	**0.5(J)**	<1	<1	<1	<1	<1	**0.6(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
xylene	---	<0.7	<0.7	**0.5**	<1	<1	<1	<1	<1	**0.9(J)**	<1	<1	**2**	<1	**0.9(J)**	<1	<1	<1	<1	<1	<1	**0.4(J)**	<1	<10	<1	<3	<3	<3	**3**	<3	<3	<3	<3	**1(J)**	**0.3(J)**	**0.3(J)**	<3	<3
PCE	5	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	**0.6(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TCE	5	<0.3	**0.4**	**0.3**	<1	**0.4(J)**	<1	<1	<1	<1	<1	<1	**0.6(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCE	70	**7**	**8**	**6**	**4(J)**	**5**	**4**	**3**	**3**	**2**	**3**	**2**	**2.5(J)**	**2**	<1	**2**	<1	**1**	**1**	**1**	**2**	<1	**1**	**1(J)**	<1	**0.9(J)**	**1(J)**	**0.8(J)**	<1	**1**	**0.7(J)**	**0.9(J)**	**0.8(J)**	**1(J)**	**0.7(J)**	**0.9(J)**	**0.8(J)**	**0.8(J)**
vinyl chloride	2	**2**	**2**	**2**	**1(J)**	<1	**1**	**1**	**0.7(J)**	**0.7(J)**	**1**	**1(J)**	**1**	<1	<1	**0.9(J)**	**0.7(J)**	**1(J)**	**0.5(J)**	**0.9(J)**	**2**	**0.8(J)**	<1	**1(J)**	<1	**1(J)**	**1**	**0.7(J)**	**1**	**1(J)**	**0.9(J)**	**0.9(J)**	**1**	**0.8(J)**	**0.7(J)**	**0.8(J)**	**0.8(J)**	**0.5(J)**
acetone	700	---	<5	<5	**5(R)**	**2(J)**	**12**	<5	<5	<5	<5	**8**	<5	<5	**7**	<5	<5	<5	<5	<5	**13**	<5	<5	<10	<1	**4(J)**	<5	<5	<5	<5	<5	**3(JB)**	<5	<5	**2(J)**	<5	<5	<5
tetrahydrofuran	154	<1	<5	**11**	**5(R)**	**3(R)**	<5	<5	<5	<5	<5	<5	**6**	**6**	<5	**3(J)**	<5	<5	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	**4(J)**	<5	**5(J)**	**4(J)**	**3(J)**	<5
2-butanone	200	---	<5	<5	**5(R)**	**5(R)**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl 2-pentanone	350	---	<5	<5	**5(J)**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
methylene chloride	5	<1	<1	<1	<1	<1	**0.8(JB)**	**0.6(J)**	**1(B)**	**0.8(J)**	**3(B)**	**3(B)**	**5(B)**	**1(B)**	**7(B)**	**0.8(JB)**	**0.7(J)**	<1	<1	<1	<1	<1	<1	<10	<1	<1	<2	<1	<5	<5	<5	<5	<5	<5	**0.5(JB)**	**0.4(JB)**	<5	<5	<5
1,1,1,-TCA	---	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	**5**	**6**	**4**	**3(J)**	**3**	**2**	**2**	**1**	**1**	**1**	**1(J)**	**1**	<1	<1	**0.7(J)**	<1	**0.6(J)**	**0.5(J)**	**0.5(J)**	<1	**0.7(J)**	<1	<10	<1	**0.8(J)**	<1	**0.5(J)**	<1	**0.5(J)**	**0.6(J)**	**0.6(J)**	**0.8(J)**	**0.9(J)**	**0.8(J)**	**0.9(J)**	**1**	**1(J)**
1,1-DCE	7	<1.3	<1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.8(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**0.8**	**0.7**	<0.7	<1	<1	**2**	<1	<1	**0.5(J)**	<1	**0.6(J)**	**0.6(J)**	<1	<1	**0.8(J)**	<1	**0.9(J)**	**1(J)**	<1	**0.7(J)**	<1	**0.6(J)**	<10	<1	<1	**0.8(J)**	**0.8(J)**	<1	**1**	**1**	**1(J)**	**0.9(J)**	**1(J)**	**1**	**1**	**1**	**1**
bromomethane	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<2	<1
chloromethane	---	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.7(J)**	<1	<10	<1	<1	<1	<1	<1	<1	<1	**0.3(J)**	<2	<1	<2	<1
chloroform	---	<0.7	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	<0.3	**0.4**	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	---	<5	**10**	<1	<1	<1	<1	**0.9(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**8**	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
styrene	---	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	14,000	**0.8**	**1**	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<2	<1
chlorobenzene	---	<0.2	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	**0.5(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<0.2	<0.2	<0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	**0.4**	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1.98	<2.53	3.3(B)	<2.53	<2.08	<2	<1.8	4.3(B)	2.4(B)	<3	<2.81	<3.45	<8	<3.09	2.9(B)	2.9(B)	<1.7	2.5(B)	1.8(B)	2.9(B)	2.2(J)	<1.95
arsenic (total)	---	---	---	<2.40	<2.60	<2	<3.80	4.80	5.20(B)	2.60(B)	<3.00	<2.54	<1.81	2.60(B)	<2.07	<2.19	<1.98	<2.53	6(B)	3.0(B)	<2.08	2.2(B)	3.1(B)	1.5(B)	1.4(B)	<3	<2.81	<3.45	<8	<3.09	4.0(B)	3.3(B)	<1.7	2.6(B)	2.2(B)	3.2(B)	2.8(J)	4.9(J)
calcium	---	38,400	37,600	26,600	30,000	28,200	28,100	27,100	40,000	32,000	32,400	31,200	30,200	30,000	27,300	27,300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42,500	52,900	49,500	48,000	48,600	39,200	50,000	37,600	43,400	45,600	46,800	40,000	52,900	44,400	53,700	47,100	44,800	48,600	59,900	56,700	---	58,800
iron (total)	---	148,000	170,000	70,700	74,700	71,300	69,000	62,300	82,600	74,000	75,200	72,800	71,200	70,900	65,900	64,300	42,800	53,800	49,100	49,700	48,500	47,200	48,700	17,200	42,800	45,500	47,100	42,800	53,300	45,500	52,800	45,700	45,500	50,000	60,500	57,500	---	59,300
magnesium	---	23,700	29,800	7,470	8,410	7,910	7,800	7,430	13,600	8,540	9,080	8,590	8,420	8,040	7,590	7,560	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	603	796	768	718	714	601	755	602	695	705	706	601	799	667	860	735	699	733	---	847	---	901
manganese (total)	---	2,000	2,170	804	890	856	810	803	1,190	964	962	1,020	959	957	892	891	599	762	748	743	720	714	723	281	681	698	707	627	799	686	843	694	709	756	---	853	---	901
potassium	---	18,100	22,700	1,710(B)	<1,680	1,830	1,640(B)	2,460(B)	3,610(B)	2,200	2,300	2,440(B)	1,950	2,580	2,130(B)	2,570(B)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sodium	---	17,100	17,000	17,400	21,000	23,700	24,200	30,200	115,000	34,600	37,500	42,400	41,800	52,100	47,200	52,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH (SU)	---	---	---	6.06	6.24	5.88	5.98	6.52	6.01	6.85	6.17	6.11	6.28	6.16	6.06	6.34	6.06	6.45	6.08	6.18	6.18	6.08	5.47	6.23	5.71	6.01	6.05	6.16	5.65	6.42	6.11	6.22	6.17	5.98	6.03	6.03	6.16	6.14
SC (mS/cm)	---	---	---	0.564	0.591	0.627	0.615	0.370	0.600	0.753	0.670	0.789	0.736	0.776	0.654	0.434	0.743	0.703	0.628	0.594	0.608	0.740	0.527	0.481	0.587	0.600	0.558	0.578	0.592	0.641	0.61	0.401	0.496	0.599	0.703	0.703	0.705	0.676
Turb (NTU)	---	---	---	4	0	15	7	0	4	-10	0	0	0	0	0	3	3	23	9.60	3	2.10	6.55	0.40	11	3.20	3.61	---	15	4.81	4.35	0.14	2.19	0.00	2.10	1.68	9.59	166	0.51
DO (mg/l)	---	---	---	0.40	0.04	0.05	0.05	3.35	0.43	0.78	0.11	0.16	0.41	0.23	0.08	0	0.58	0.16	0.37	1.81	0.38	0.88	0.50	0.44	0.31	0.24	0.93	0.61	0.24	0.42	0.23	0.23	0.24	0.26	0.18	1.87	0.31	0.31
Eh (mv)	---	---	---	-74	-50	-92.6	-88	-244	-77.1	-51	-17	-28.4	-31	1	-27	-42	33.8	-32	-33	-49.4	-8	-162	-13.7	-14.6	-26.2	-84.7	-24.8	-46.2	-6.3	-84.3	-54.5	-171.3	-28.4	-25.6	-17	-28.9	-141	-77.2
Temp (°C)	---	---	---	9.8	7	11	7.6	8.7	9.1	8.8	7.3	8	6.8	11	8.3	10	13	8.4	11	10	8.9	10	8.6	11	7.6	8.8	7.61	11.19	11.24	10.26	8.53	10.96	9.41	11.51	13.84	13.07	9.37	7.84
Water Level Elevation	149.64	145.30	141.92	142.92	145.37	144.38	145.27	145.45	144.45	145.49	145.43	145.32	145.32	144.69	145.13	145.41	145.22	145.28	145.65	142.19	145.24	145.22	145.44	145.42	145.48	145.53	145.42	147.07	145.49	145.54	145.49	144.78	145.40	145.46	144.26	145.53	145.59	145.16

"*" denotes the ground water sample collected for well SB-B1 was incorrectly identified in the field and on the laboratory analytical report as SB-B3.

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
WELL SB-B2
SCREENED INTERVAL - 34 - 44 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-93	Jul-93	Oct-93	May-94	Oct-94	May-95	Dec-95	Jun-96	Dec-96	May-97	Dec-97	May-98	Nov-98	May-99	Dec-99	Aug-00	Dec-00	Jul-01	Nov-01	May-02	Dec-02	May-03	Nov-03	May-04	Dec-04	May-05	Oct-05	Jun-06*	Oct-06	Jun-07	Oct-07	Jun-08	Nov-08	Apr-09	Jul-09	Oct-09	Dec-09	Apr-10	Jul-10
benzene	5	**6**	**6**	**6**	**8(J)**	**8(J)**	<25	**8**	**11**	**11**	**13**	**15**	**14**	**14**	**33**	**19**	**19**	**20**	**21**	**20**	**26**	**23**	**23**	**26**	**28**	**22**	**24**	**22**	**21**	**25**	**25**	**20**	**27**	**31**	**22**	**25**	**22**	**13**	**27**	**29**
ethylbenzene	---	**6**	**6**	**7**	**8(J)**	**9(J)**	<25	**9**	**12**	**13**	**16**	**19**	**19**	**18**	**29**	**24**	**25**	**29**	**22**	**27**	**28**	**25(B)**	**25**	**28**	<25	**24**	**26**	**24**	**22**	**25**	**25**	**10**	**21**	**25**	**16**	**13**	**14**	**12**	**24**	**15**
toluene	1,000	**2**	**2**	**2**	<17	<10	<25	<8	**4**	**4**	**5(B)**	**6**	**5**	**5**	<10	**6**	**6**	**6**	**6**	**6**	**7**	**6**	**6**	**7(J)**	<25	**5**	**5**	**5**	**5**	**5**	**5**	**3**	**4**	**5**	**4**	**3**	**3**	**2**	**4**	**2**
xylene	---	**8**	**8**	**10**	<17	**13**	<25	**15**	**21**	**23**	**28**	**39**	**37**	**39**	<10	**55**	**60**	**76**	**65**	**72**	**83**	**73(B)**	**77**	**83**	<25	**70**	**80**	**70**	**70**	**82**	**81**	**30**	**59**	**76**	**55**	**33**	**32**	**35**	**71**	**48**
PCE	5	<0.4	<0.4	<0.4	<17	<10	<25	<8	<1	<1	**0.7(J)**	<1	**0.5(J)**	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	**4(B)**	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TCE	5	<0.3	<0.3	<0.3	<17	<10	<25	<8	<1	<1	<1	<1	**0.5(J)**	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	**0.3(J)**	<1	<1	<1
1,2-DCE	70	**1.3**	**0.9**	**1.2**	<17	<10	<25	<8	**1.6(J)**	**1**	**2**	**1.8(J)**	**2(J)**	**0.7(J)**	<10	**1.9(J)**	**2**	**1.8**	**1**	**1(J)**	**1**	**1**	**2**	<10	<25	**1**	**2**	<5	**1.8**	**2**	**1.9**	**1.9(J)**	**2**	**2**	**2(J)**	**0.8(J)**	**1(J)**	**0.9(J)**	**2(J)**	**3**
vinyl chloride	2	**4**	**3**	**4**	<17	<10	<25	<8	**2**	**4**	**4**	**3**	**3**	<1	<10	**3**	**3**	**2**	**2**	**2**	**4**	**3**	**3**	**3(J)**	<25	**2**	**2**	<5	<1	**2**	**0.9(J)**	<1	**0.7(J)**	**0.9(J)**	<2	**0.5(J)**	<2	<2	**1(J)**	**4**
acetone	700	---	<5	**3(J)**	**83(R)**	**50(R)**	<130	<42	**9**	**5**	<5	**17**	**9**	**7(B)**	**35(J)**	**4(J)**	**4(J)**	<5	**6(B)**	**9**	**38**	**28**	**8**	<10	<25	**17**	**27**	<25	**7**	**29**	**23**	**15**	**14**	**16**	**24**	**7**	**7**	**16**	**22**	**18**
tetrahydrofuran	154	**240**	**310(E)**	**360**	**280(J)**	**430(J)**	**510**	**590**	**700(E)**	**750**	<5	**580**	**820(E)**	**1,100**	**940**	**1,900**	**1500(E)**	**1,400**	**1,900**	**1,500**	**2,400**	**2,100**	**1,200**	**1,700**	**2,100**	**2,100**	**2,100**	**1,500(B)**	**680**	**2,000**	**1,900**	**2,100**	**2,000**	**1,500**	**1,600**	**1,100**	**1,200**	**1,200**	**1,900**	**1,500**
2-butanone	200	---	<5	<5	**83(R)**	**50(R)**	<130	<42	<5	<5	<5	<5	**7**	**5**	<50	<5	<5	<5	<5	<5	<5	<5	<5	<10	<25	<5	<5	<25	<5	<5	<5	<5	<5	<5	**6**	<5	<5	<5	<5	**17**
4-methyl 2-pentanone	350	---	**11**	**13(B)**	**83(J)**	<50	<130	**5(J)**	**3(J)**	**2(J)**	<5	**3(J)**	**4(J)**	<5	<50	**3(J)**	<5	<5	<5	<5	**4(J)**	<5	<5	<10	<25	**3(J)**	**6**	<25	<5	<5	<5	**3(J)**	<5	<5	<5	<5	<5	<5	<5	<5
methylene chloride	5	<1	<1	<1	<48	<10	**44(B)**	<8	**2(B)**	**2**	**3(B)**	**5(B)**	**6(B)**	**2(B)**	**72(B)**	**2(B)**	**2**	**1(B)**	**0.9(JB)**	**2(B)**	<1	**0.7(J)**	**13(B)**	**2(J)**	<25	<1	<2	**9**	<5	**17(JB)**	**0.8(J)**	**1(J)**	**1(J)**	**2(JB)**	**1(JB)**	**1(JB)**	<5	**1(J)**	<5	**3(J)**
1,1,1-TCA	---	<0.5	<0.5	<0.5	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	**0.9**	**0.8**	**0.9**	<17	<10	<25	<8	**2**	**2**	**2**	**2**	**2**	<1	<10	**2**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**3(J)**	<25	**2**	**3**	**2(J)**	**2**	**3**	**2**	**2**	**3**	**3**	**2**	**2**	**2**	**1**	**2**	**2**
1,1-DCE	7	<1.3	<1.3	<1.3	<17	<10	<25	<8	<1	<1	<1	<1	**0.6(J)**	<1	<10	<1	<1	<1	<1	<1	**0.6(J)**	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**1**	**0.8**	**0.7**	<17	<10	<25	<8	<1	**1**	<1	**1**	**1**	**1**	<10	**2**	**1**	**2**	**2**	**2**	**2**	**2**	<1	<10	<25	**1**	**<1**	**2(J)**	**1(J)**	**2**	**2**	**1**	<1	**1**	**0.9(J)**	**0.9(J)**	**1**	<1	**1**	**0.8(J)**
bromomethane	---	<0.3	<0.3	<0.3	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2
chloromethane	---	<0.5	<0.5	<0.5	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	**0.5(J)**	**0.6(J)**	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2
chloroform	---	<0.7	<0.7	<0.7	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<0.3	<0.3	<0.3	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	<0.3	<0.3	<0.3	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	---	<5	**2(J)**	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
styrene	---	<0.4	<0.4	<0.4	<17	<10	<25	<8	<1	**0.6(J)**	<1	<1	**1**	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	14,000	<0.4	**1**	**1**	<17	<10	<25	<8	**2**	**2**	<1	**2**	**2**	**2**	<10	**4**	**3**	**2**	**2**	<1	**4**	**3**	<1	**3(J)**	<25	**2**	**2**	<5	**2**	**3**	**2**	**2**	**3**	**4**	**2(J)**	**3**	<2	**3**	**2**	**0.9(J)**
chlorobenzene	---	**0.8**	**0.8**	0.9	<17	<10	<25	<8	**1**	**1**	<1	**2**	**2**	**2**	<10	**2**	**2**	**2**	**2**	**2**	**3**	<1	**1**	**3(J)**	<25	**2**	**3**	<5	<1	**3**	**3**	**2**	**3**	**3**	**2**	**2**	<1	**2**	**3**	**3**
1,2-dichloropropane	---	<0.3	<0.3	<0.3	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<0.2	<0.2	<0.2	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<0.4	<0.4	<0.4	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<0.4	<0.4	<0.4	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<0.3	<0.3	<0.3	<17	<10	<25	<8	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<25	<1	**1**	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	---	<5	<5	<83	<50	<130	<42	<5	**16**	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<10	<25	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11.7	11.6	13.4	13.2	10.8	13.4	12.2	14.3	15.5	16.8	15.7	3.7(B)	16.8	14.7	17.4	16.5	14.4	14.6	16.5	16.6	17.3	13.8	16.8	21.3
arsenic (total)	---	---	8.9(B)	6.8(B)	<5.20	7.40	10.6	8.5(B)	2	3.5(B)	9	10.6	9.40	12	<2.08	10	10.9	11.9	16.6	12.9	11.4	14.2	14.3	8.3(B)	13.7	17.8	14.5	14.9	17.9	16.5	17.3	16.4	15.5	17.0	17.1	18.0	18.8	14.0	17.1	20.8
calcium	---	56,400	50,300	61,600	71,300	66,400	73,400	66,100	28,200	54,200	83,400	87,400	82,600	92,500	27,400	94,800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170,000	166,000	162,000	159,000	153,000	158,000	146,000	132,000	121,000	136,000	126,000	34,800	109,000	106,000	103,000	101,000	63,600	72,200	62,200	---	---	---	---	---
iron (total)	---	143,000	107,000	130,000	138,000	131,000	160,000	126,000	69,900	160,000	170,000	170,000	155,000	171,000	66,100	172,000	167,000	170,000	154,000	159,000	159,000	161,000	145,000	87,300	113,000	135,000	124,000	122,000	111,000	109,000	104,000	108,000	62,000	75,600	63,400	---	---	---	---
magnesium	---	24,100	17,500	19,200	22,500	21,000	24,300	22,200	7,680	4,020	30,700	32,100	32,000	34,700	7,620	37,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1,560	1,540	1,400	1,360	1,210	1,210	1,030	920	814	803	693	662	550	510	453	447	258	276	---	---	---	---	---	---
manganese (total)	---	2,690	2,090	2,270	2,520	2,300	2,290	1,980	883	98.3	2,230	2,220	1,990	2,020	889	1,760	1,520	1,550	1,340	1,360	1,250	1,220	1,020	624	758	790	690	620	562	521	463	484	254	290	---	---	---	---	---	---
potassium	---	11,400(E)	4,600(B)	3,830	3,960(B)	4,350	5,020	5,390	1,840(B)	12,100	6,400	7,040	6,260	7,150	2,100(B)	8,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sodium	---	91,700	87,400	118,000	148,000	142,000	183,000	187,000	28,600	238,000	288,000	299,000	327,000	337,000	47,600	370,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH (SU)	---	---	---	6.05	6.21	6.06	6	6.45	5.85	6.62	6.07	6.07	6.13	6.13	5.94	6.07	5.87	6.10	5.92	5.96	5.97	5.98	5.38	6.07	5.48	5.85	5.86	6	5.62	6.26	5.99	5.93	6.18	5.98	5.99	6.08	5.92	6.44	6.09	---
SC (mS/cm)	---	---	---	1.33	1.80	1.92	2.11	2.03	2.33	2.70	2.62	2.81	2.85	3.12	2.99	3.50	3.27	3.33	3.55	3.37	3.62	4.42	3.26	3.07	3.74	3.83	3.65	3.79	3.802	4.163	3.916	4.978	3.924	3.867	4.24	4.11	3.82	2.93	4.06	3.68
Turb (NTU)	---	---	---	7	6	45	3	0	22	2	5	0	1	0	0	63	5	20	95	4.40	11.8	8.19	1.90	7	5	20.3	4.97	5.42	3.3	9.42	0.85	1.48	4.89	0.14	5.82	---	0.0	25.4	87.7	8.69
DO (mg/l)	---	---	---	0.20	0.04	0.01	0.05	2.88	0.27	0.51	0.36	0.16	0.82	0.21	0.47	0	0.70	0	0.75	3.26	0.91	3.49	0.97	0.45	0.62	0.4	0.93	0.9	0.4	1.59	0.39	0.3	0.96	0.57	0.20	0.14	0.26	0.17	0.17	0.09
Eh (mv)	---	---	---	-64	-39	-40	-85	-254	-56.8	-48	-15	-32.5	-35	-2	-24	-51	42.3	-34	-34	-60.1	0.91	-153	-28.2	-15	3.60	-85.5	-18.5	-40.2	-13.5	-91.5	-70.2	-189.2	-54.1	-30.2	19	-4	-56	-67	-57	-65
Temp (°C)	---	---	---	9.4	8.6	9.4	9.3	7.8	10	8.1	8.9	7.7	8.5	9.4	10	9	10	8.1	10	9	10	9.1	11	9.2	9.7	7.4	9.1	10.05	15.11	10.18	9.86	11.93	10.88	11.92	16.58	13.02	10.93	8.11	9.35	11.57
Water Level Elevation	149.33	147.28	144.86	145.11	147.26	146.29	147.01	147.59	146.43	148.16	147.42	146.93	147.22	146.55	146.55	147.08	146.95	147.04	147.18	144.66	147.00	146.93	147.54	147.28	147.58	147.53	147.66	147.07	148.02	147.43	147.46	146.57	147.33	147.37	146.35	145.47	146.38	145.87	146.91	144.87

"*" denotes the ground water sample collected for well SB-B2 was incorrectly identified in the field and on the laboratory analytical report as SB-B1.

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
GMP WELL SB-D1
SCREENED INTERVAL - 5-15 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	AGQS	Apr-93	Jul-93	Oct-93	May-94	Oct-94	May-95	Dec-95	Jun-96	Dec-96	May-97	Dec-97	May-98	Nov-98	May-99	Dec-99	Aug-00	Dec-00	Jul-01	Nov-01	May-02	Dec-02	May-03	Nov-03	May-04	Dec-04	Jun-05	Oct-05	Jun-06	Oct-06	Jun-07	Oct-07	Jun-08	Nov-08	Apr-09	May-09*	Nov-09	Apr-10	May-10
benzene	**5**	5	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ethylbenzene	---	700	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.7(J)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
toluene	**1,000**	1,000	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
xylene	---	10,000	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.9(J)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
PCE	**5**	5	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TCE	**5**	5	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**1(B)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCE	**70**	70	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2	<2	<1
vinyl chloride	**2**	2	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
acetone	**700**	6,000	---	**4**	<5	<5	**5(R)**	**16**	<5	<5	**3(JB)**	<5	**3(J)**	<5	<5	<5	<5	<5	---	<5	**3(JB)**	**13(B)**	<5	<5	<10	<1	**2(J)**	<5	<5	<5	<5	<5	**3(JB)**	<5	>5	<5	**4(J)**	**3(J)**	**3(J)**	<5
tetrahydrofuran	**154**	154	<1	<5	<5	<5	**1(R)**	<5	<5	<5	<5	<5	<5	**3(J)**	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	**2(J)**	<5	<5	<5	**2(J)**	<5
2-butanone	**200**	---	---	<5	<5	<5	**5(R)**	<5	<5	<5	**0.8(JB)**	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl 2-pentanone	**350**	---	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
methylene chloride	**5**	5	<1	<1	<1	<1	<1	**0.9(JB)**	<1	**0.9(JB)**	<1	**5(B)**	**3(B)**	**5(B)**	**1(B)**	**1(B)**	**1(B)**	**0.7(JB)**	---	<5	<1	<1	<1	**1**	<10	<1	<1	<2	<1	<5	<5	<5	<5	<5	<5	**0.6(JB)**	**0.8(JB)**	**0.7(J)**	<5	<5	<5
1,1,1-TCA	---	200	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	81	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCE	**7**	7	<1.3	<1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	**5**	5	<0.7	<0.7	<1	<1	<1	**0.8(J)**	<1	<1	<1	<1	<1	<1	<1	**0.5(J)**	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromomethane	---	10	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<2	<1
chloromethane	---	30	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	**0.6(J)**	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<2	<1
chloroform	---	70	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	60	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	4	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	70	---	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
styrene	---	100	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	**14,000**	---	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<2	<1
chlorobenzene	---	100	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	---	5	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	5	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	---	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	---	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	2	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	---	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
GMP constituents																																								
cis-1,2-DCE	**70**	70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
trans-1,2-DCE	---	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
isopropylbenzene	---	800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
n-propylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,3,5-trimethylbenzene	---	330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
sec-butylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
p-isopropyltoluene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,4-dichlorobenzene	---	75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
1,2-dichlorobenzene	---	600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
n-butylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,2,4-trimethylbenzene	---	330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
naphthalene	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
methyl tert-butyl ether	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
diethyl ether	---	1,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
ethyl tertiary-butyl ether	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
di-isopropyl ether	---	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
tertiary-butyl alcohol	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	---	<5
1,4-dioxane	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**0.92(J)**	<2	---	<2
arsenic (dissolved)	**10**	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1.98	---	<2.53	<2.53	<2.08	<2	<1.8	4.8(B)	<1.3	<3	<2.81	<3.45	<3.45	<3.09	<0.83	1.5(B)	<1.7	<0.98	<1.20	---	<2.4	<1.86	<1.95
arsenic (total)	---	---	---	4.7(B)	<2.40	<2.60	<2.60	<3.80	<1.30	<1	<2.10	<3	<2.54	<1.81	<1.85	<2.07	<2.19	<1.98	---	<2.53	<2.53	<2.08	<2	<1.8	<1.3	<1.3	<3	3.2(B)	<3.45	<3.45	<3.09	<0.83	<0.83	<1.7	<0.98	<1.20	---	<2.4	<1.86	<1.95
calcium	---	---	4,340(B)	2,780(B)	1,730	2,170(B)	1,620	1,290(B)	1,260(B)	328(B)	682	440	678(B)	410	534	613(B)	1,260(B)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34.6	---	98.4(B)	233	138	62.7(B)	18.3(B)	116	23.6(B)	87.5(B)	240	352	260	494	1,340	2,200	1,760	1,730	3,910	---	3,160	3,160	5,230
iron (total)	---	---	5,750	4,260	438	145(UJ)	586	52.7	81.7	42.8(B)	183	100	187	154	118	122	609	73	---	121	272	170	194	189	387	49.8(B)	122	277	458	346	609	1,340	2,060	1,760	1,770	4,280	---	3,200	3,200	5,480
magnesium	---	---	3,150(B)	1,590(B)	1,420(B)	1,500(B)	1,500	1,020(B)	1,010(B)	431(B)	570	600	678	580	569	552(B)	1,050(B)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	840	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	83.1	---	128	322	247	208	66.5	188	102	107	49.8	69.3	41.4	96.9	32.1	71.1	41.2	44.5	41.5	---	43.1	43.1	38.8
manganese (total)	---	---	388	154	158	252	177	123	173	54.9	107	63.2	80.5	59.5	81.6	56.7	174	89.3	---	127	304	233	177	65.5	192	100	110	49.3	67.5	41.1	88.4	32.5	72.4	42.2	45.1	40.2	---	42.3	42.3	40.4
potassium	---	35,000	1,490(B)	577(B)	327(B)	595	<400	<336	<2,340	140(B)	<421	<500	<419	<419	<435	<450	710(B)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sodium	---	---	16,700	10,100	11,700	13,600	9,790	8,060	9,570	3,550(B)	5,480	4,640	8,150	3,680	5,610	3,960(B)	6,740	---	---	---	---	---	---	4,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH (SU)	---	---	---	---	4.51	4.74	---	4.39	4.78	4.64	4.95	4.67	4.46	4.74	4.40	4.68	4.71	3.51	---	4.63	4.48	4.76	4.60	4.57	4.72	4.39	4.53	4.59	4.66	4.47	4.63	4.46	4.84	4.87	4.83	4.85	4.69	4.53	4.68	4.7
SC (mS/cm)	---	---	---	---	0.132	0.128	---	0.084	0.059	0.043	0.104	0.047	0.083	0.047	0.063	0.013	0.042	0.057	---	0.053	0.073	0.044	0.065	0.045	0.071	0.068	0.062	0.055	0.06	0.041	0.063	0.036	0.034	0.3	0.04	0.047	0.044	0.061	0.060	0.047
Turb (NTU)	---	---	---	---	1.50	2	---	0	0	5	0	0	-10	0	0	0	0	0	---	5.60	3.20	---	1.51	1.70	4.40	3.60	0.39	2.14	1.9	0.34	0.27	0	1.19	0.63	1.25	41.8	0.47	0.52	8.60	0.3
DO (mg/l)	---	---	---	---	0.80	3.88	---	3.86	4.71	2.53	1.55	3.56	0.84	2.07	0.42	0.19	0	1.21	---	0.32	0.95	2.94	3.69	12.02	1.61	1.21	2.22	0.75	0.01	1.99	0.36	1.16	0.22	0.29	1.16	0.24	0.44	1.76	0.09	NM
Eh (mv)	---	---	---	---	332	343	---	272	164	200	380	274	289	279	208	241	346	116	---	176	141	197	2.10	206	286	137	298	145	313.4	362.8	312.9	157.9	105.7	133.1	218.9	155	185.3	252.2	156	181.9
Temp (°C)	---	---	---	---	11	6.4	---	7.4	8.2	8.6	8.7	6.9	7.2	6.6	11	8	9.1	12	---	11	11	7.3	8.6	8.2	11	7.6	8.2	8.5	11.97	11.91	11.39	8.92	11.76	9.57	10.18	7.86	6.41	10.83	6.37	7.77
Water Level Elevation	149.00	NA	145.02	141.48	144.97	144.98	143.22	144.82	145.01	144.19	145.06	144.97	144.49	144.93	143.46	144.32	144.29	144.69	144.78	144.91	141.06	144.78	144.18	145.46	144.92	144.92	144.98	144.94	145.86	144.96	144.99	144.85	143.64	144.90	144.87	143.90	144.85	144.93	144.93	144.18

"*" denotes that GeoInsight collected a ground water sample from well SB-D1 for metals analyses in April 2009.

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
GMP WELL SB-D2
SCREENED INTERVAL - 50-60 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	AGQS	Apr-93	Jul-93	Oct-93	May-94	Oct-94	May-95	Dec-95	Jun-96	Dec-96	May-97	Dec-97	May-98	Nov-98	May-99	Dec-99	Aug-00	Dec-00	Jul-01	Nov-01	May-02	Dec-02	May-03	Nov-03	May-04	Dec-04	Jun-05	Oct-05	Jun-06	Oct-06	Jun-07	Oct-07	Jun-08	Nov-08	Apr-09	May-09*	Nov-09	Apr-10	May-10
benzene	**5**	5	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ethylbenzene	---	700	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.6(J)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
toluene	**1,000**	1,000	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	**0.7(JB)**	<1	<1	**0.6(J)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
xylene	---	10,000	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	<1	**0.6(J)**	<1	**0.9(J)**	<1	<1	<1	---	<1	<1	<1	<1	**0.5(J)**	<10	<1	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
PCE	**5**	5	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.8(J)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TCE	**5**	5	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**2(B)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCE	**70**	70	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
vinyl chloride	**2**	2	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
acetone	**700**	6,000	---	<5	<5	<5	**5(R)**	**12**	<5	<5	**1(JB)**	<5	**10**	<5	<5	<5	<5	<5	---	<5	<5	**14(B)**	<5	<5	<10	<1	**2(J)**	<5	<5	<5	<5	**3(J)**	<5	<5	<5	<5	**4(J)**	<5	**3(J)**	**3(J)**
tetrahydrofuran	**154**	154	**7**	<5	<5	<5	**1(R)**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	**14**	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-butanone	**200**	---	---	<5	<5	<5	**5(R)**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl 2-pentanone	**350**	---	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
methylene chloride	**5**	5	<1	<1	<1	<1	<1	**0.7(JB)**	<1	**1(B)**	<1	**7(B)**	**6(B)**	**5(B)**	**1(B)**	**1(B)**	**0.8(JB)**	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<2	<1	<5	<5	<5	<5	<5	**1(JB)**	**1(JB)**	<5	<5	<5	<5
1,1,1-TCA	---	200	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	81	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCE	**7**	7	<1.3	<1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	**5**	5	<0.7	<0.7	<1	<1	<1	**0.8(J)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromomethane	---	10	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
chloromethane	---	30	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.5(J)**	<2	<1	<1	<2	<1
chloroform	---	70	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	60	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	4	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	70	---	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
styrene	---	100	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	**14,000**	---	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
chlorobenzene	---	100	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.5(J)**	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	---	5	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	5	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	---	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	---	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	2	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	---	---	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
GMP constituents																																							
cis-1,2-DCE	**70**	70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
trans-1,2-DCE	---	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
isopropylbenzene	---	800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
n-propylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,3,5-trimethylbenzene	---	330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
sec-butylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
p-isopropyltoluene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,4-dichlorobenzene	---	75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
1,2-dichlorobenzene	---	600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
n-butylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,2,4-trimethylbenzene	---	330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
naphthalene	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
methyl tert-butyl ether	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
diethyl ether	---	1,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
ethyl tertiary-butyl ether	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
di-isopropyl ether	---	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
tertiary-butyl alcohol	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	---	<5
1,4-dioxane	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**1.7(J)**	<2	---	**2.6**
arsenic (dissolved)	**10**	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28.2	---	26.2	26.9	28	27.5	31.5	29.6(E)	29.7	31.6	28.5	29.2	30	22.5	18.5	23.7	16.5	27.4	16.2	---	29.6	20.4	17.5
arsenic (total)	---	---	---	64.5	53.1	34.4	34.8	31.7	32.3	34.2	33.5	30	29	30	30.4	31.7	29.5	29.2	---	35	28.7	26.2	28	30.8	28.6	28.6	31.4	33.5	27.7	28.4	26.5	16.5	23.2	16.5	27.1	17.6	---	29.8	22.5	19.4
calcium	---	---	46,200	20,700	10,200	9,190	8,180	8,980	8,110	8,080	9,160	9,020	8,420	7,810	8,380	8,550	8,820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4,050	---	4,320	4,530	4,250	4,480	4,630	3,440	3,890	4,420	4,250	4,290	4,420	4,100	3,200	3,980	2,660	4,450	2,750	---	4,860	---	3,150
iron (total)	---	---	93,800	83,500	4,730	4,970	4,290	4,520	4,050	4,550	4,830	4,630	4,490	4,420	4,330	4,720	4,950	4,140	---	30,100	4,730	4,300	4,560	4,960	3,710	4,180	4,460	4,910	4,380	4,480	4,530	2,940	3,970	2,540	4,400	3,040	---	5,100	---	3,020
magnesium	---	---	24,000	21,000	3,450	2,710(B)	2,480	2,640(B)	2,440(B)	2,400(B)	2,740	2,680	2,550(B)	2,410	2,520	2,530(B)	2,640(B)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	840	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	417	---	448	446	393	440	410	340	397	413	417	405	429	385	264	410	244	415	249	---	456	---	322
manganese (total)	---	---	2,330	1,780	<100	448	418	422	402	430	472	436	453	416	442	442	460	413	---	874	454	390	443	423	362	413	414	429	392	430	379	244	407	225	403	276	---	472	---	326
potassium	---	35,000	18,500	18,700	2,080(B)	<1,910	1,500	2,030(B)	<2,340	1,400(B)	1,690	1,500	1,650(B)	1,040	1,580	1,550(B)	1,980(B)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sodium	---	---	15,100	10,800	8,210	6,880	6,270	6,430	7,230	6,600	6,440	6,460	6,120	5,970	6,260	6,160	6,140	---	---	---	---	---	---	6,440	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH (SU)	---	---	---	---	7.06	7.15	---	7	7.86	6.93	8.27	7.01	6.95	7.12	6.92	7.02	6.87	6.19	---	6.48	6.99	6.93	7.19	6.91	7.15	6.73	6.93	6.86	6.97	6.93	7.12	6.7	6.86	6.91	7.01	6.87	6.70	6.89	6.30	6.75
SC (mS/cm)	---	---	---	---	0.131	0.104	---	1.04	0.059	0.098	0.162	0.099	0.117	0.990	0.110	0.068	0.059	0.099	---	0.071	0.101	0.069	0.102	0.092	0.090	0.108	0.101	0.106	0.104	0.104	0.104	0.096	0.089	0.098	0.107	0.112	0.103	0.108	0.115	0.108
Turb (NTU)	---	---	---	---	18.9	23	---	4	7	0	2	0	0	2	0	0	0	1	---	727	5.38	---	1.23	5.00	0	4.30	0.62	4.83	3.32	2.27	7.20	1.20	2.64	1.22	2.30	39.0	4.43	0.24	3.24	0.74
DO (mg/l)	---	---	---	---	0.50	1.01	---	0.24	3.10	0.40	1.12	0.42	0.03	0.46	0.17	0.20	0	0.35	---	0.22	0.79	0.29	0.48	11.6	0.66	0.38	0.27	1.42	0.35	0.43	0.89	1.28	0.38	1.10	0.18	0.53	1.78	0.30	0.66	1.71
Eh (mv)	---	---	---	---	114	41	---	-82	-227	117	-73	-10	-86.4	-62	-37	-86	-33	-11.1	---	-62	-94.9	-21.9	-141	-41	-98.8	-44.7	16.7	-81.6	-109.6	-94.8	-92.9	-12.9	-98.4	-55.6	-121.3	-88	-13.8	-63.6	46.0	70.1
Temp (°C)	---	---	---	---	9.4	8.4	---	8.5	7.8	8.8	8.3	7.9	7.4	7.9	8.5	8.7	8.5	9.1	---	9.5	9.5	8.1	8	9.2	9.2	9.6	7.7	11.2	9.54	12.52	9.89	9.18	9.30	10.16	9.10	9.04	7.80	9.50	7.02	8.84
Water Level Elevation	148.99	NA	145.72	143.67	143.28	145.53	144.59	145.17	145.73	144.70	145.90	145.69	144.98	144.87	144.83	145.40	145.31	145.09	145.24	145.44	143.02	145.24	144.96	145.78	145.51	145.82	145.69	145.94	144.97	146.36	145.59	145.64	144.90	145.45	145.68	144.55	145.77	145.68	147.91	145.42

"*" denotes that GeoInsight collected a ground water sample from well SB-D2 for metals analyses in April 2009.

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
GMP WELL SB-D3(I)
SCREENED INTERVAL - 35 - 45 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	AGQS	Nov-07	Apr-09	May-09	Apr-10	May-10
benzene	**5**	5	<1	<1	<1	<1	<1
ethylbenzene	---	700	<1	<1	<1	<1	<1
toluene	**1,000**	1,000	<1	<1	<1	<1	<1
xylenes (total)	---	10,000	<3	<3	<3	<3	<3
PCE	**5**	5	<1	<1	<1	<1	<1
TCE	**5**	5	<1	<1	<1	<1	<1
1,2-DCE	**70**	70	<1	<1	<1	<2	<1
vinyl chloride	**2**	2	<2	<2	<1	<2	<1
acetone	**700**	6,000	<5	<5	<5	<5	<5
tetrahydrofuran	**154**	154	<5	<5	<5	<5	<5
2-butanone	**200**	---	<5	<5	<5	<5	<5
4-methyl 2-pentanone	**350**	---	<5	<5	<5	<5	<5
methylene chloride	**5**	5	<5	<5	<5	<5	<5
1,1,1-TCA	---	200	<1	<1	<1	<1	<1
1,1-DCA	---	81	<1	<1	<1	<1	<1
1,1-DCE	**7**	7	<1	<1	<1	<1	<1
1,2-DCA	**5**	5	<1	<1	<1	<1	<1
bromomethane	---	10	<2	<2	<1	<2	<1
chloromethane	---	30	<2	<2	<1	<2	<1
chloroform	---	70	<1	<1	<1	<1	<1
dibromochloromethane	---	60	<1	<1	<1	<1	<1
bromoform	---	4	<1	<1	<1	<1	<1
carbon disulfide	---	70	<1	<1	<1	<1	<1
styrene	---	100	<1	<1	<1	<1	<1
chloroethane	**14,000**	---	<2	<2	<1	<2	<1
chlorobenzene	---	100	<1	<1	<1	<1	<1
1,2-dichloropropane	---	5	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	5	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	---	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	---	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	2	<1	<1	<1	<1	<1
2-hexanone	---	---	<5	<5	<5	<5	<5
GMP constituents							
cis-1,2-DCE	**70**	70	---	---	<1	<1	<1
trans-1,2-DCE	---	100	---	---	<1	<1	<1
isopropylbenzene	---	800	---	---	<1	---	<1
n-propylbenzene	---	260	---	---	<1	---	<1
1,3,5-trimethylbenzene	---	330	---	---	<1	<1	<1
sec-butylbenzene	---	260	---	---	<1	---	<1
p-isopropyltoluene	---	260	---	---	<1	---	<1
1,4-dichlorobenzene	---	75	---	---	<1	<1	<1
1,2-dichlorobenzene	---	600	---	---	<1	<1	<1
n-butylbenzene	---	260	---	---	<1	---	<1
1,2,4-trimethylbenzene	---	330	---	---	<1	<1	<1
naphthalene	---	20	---	---	<1	---	<1
methyl tert-butyl ether	---	13	---	---	<1	<1	<1
diethyl ether	---	1,400	---	---	<1	---	<1
ethyl tertiary-butyl ether	---	40	---	---	<1	---	<1
di-isopropyl ether	---	120	---	---	<1	---	<1
tertiary-butyl alcohol	---	40	---	---	<5	---	<5
1,4-dioxane	---	3	---	---	<10	---	<2
arsenic (dissolved)	**10**	10	63.9	47.8	56	32.4	55
arsenic (total)	---	---	68.6	47.1	58	38.9	55
calcium	---	---	---	---	---	---	---
iron (dissolved)	---	---	2,690	3,570	2,980	---	2,590
iron (total)	---	---	3,290	3,690	2,990	---	2,850
magnesium	---	---	---	---	---	---	---
manganese (dissolved)	---	840	504	---	424	---	397
manganese (total)	---	---	498	---	430	---	436
potassium	---	35,000	---	---	---	---	---
sodium	---	---	---	---	---	---	---
pH (SU)	---	---	9.09	6.94	7.03	6.33	7.1
SC (mS/cm)	---	---	0.128	0.118	0.122	0.113	0.115
Turb (NTU)	---	---	92.1	57.7	0.61	11.3	1.26
DO (mg/l)	---	---	0.15	0.29	0.41	0.24	0.52
Eh (mv)	---	---	-65	-83	-94.9	29	-123
Temp (^{o}C)	---	---	9.88	12.49	8.29	7.34	9.57
Water Level Elevation	NA	NA	---	---	---	---	---

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
GMP WELL SB-B3
SCREENED INTERVAL - 46.5 - 56.5 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	Apr-93	Jul-93	Oct-93	May-04	Dec-04	Jun-05	Jun-06*	Oct-06	Jun-07	Oct-07	Apr-09	Apr-10
benzene	5	**2**	**1**	**1**	**4.9**	**4**	**4**	**4**	**5**	**5**	**6**	**4**	**7**
ethylbenzene	---	**2**	**1**	**2**	**3.3**	**3**	**2**	**3**	**3**	**3**	**4**	**2**	**3**
toluene	1,000	**0.5**	**0.4**	**0.6**	<1	<1	<1	**0.7(J)**	<1	<1	<1	**0.6(J)**	**0.7(J)**
xylene	---	**1.7**	**1**	**3**	**7.2**	**6**	**4**	**6**	**6**	**6**	**6**	**2(J)**	**4**
PCE	5	<0.4	<0.4	**0.6**	<1	<1	<1	<1	<1	<1	<1	<1	<1
TCE	5	<0.3	<0.3	**0.8**	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCE	70	<0.4	<0.4	**1**	<1	<1	<1	<1	<1	<1	<1	**0.3(J)**	**0.4(J)**
vinyl chloride	2	**0.9**	<0.4	**1**	<1	<1	<1	<1	<1	<1	<1	<2	<2
acetone	700	---	**15**	<5	<1	**7**	<5	<5	<5	**5**	**6**	**3(J)**	**3(J)**
tetrahydrofuran	154	**74**	**360**	**94**	**83**	**82**	<5	**74**	**110**	**140**	**160**	**19**	**110**
2-butanone	200	---	<5	<5	<1	<5	<5	<5	<5	<5	<5	<5	**2(J)**
4-methyl 2-pentanone	350	---	<5	<5	<1	<5	<5	<5	<5	<5	<5	<5	<5
methylene chloride	5	<1	<1	<1	<1	<1	<2	<5	<5	<5	<5	<5	<5
1,1,1,-TCA	---	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	<0.3	<0.3	<0.3	<1	<1	<1	**0.5(J)**	<1	<1	<1	**0.5(J)**	**1**
1,1-DCE	7	<1.3	<0.4	<1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	5	**1**	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	**0.4(J)**	**0.5(J)**
bromomethane	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<2	<2
chloromethane	---	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<2
chloroform	---	<0.7	<0.7	<0.7	<1	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	<0.3	<0.3	---	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	---	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1
styrene	---	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	14,000	**0.4**	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<2	<2
chlorobenzene	---	**0.2**	<0.2	**0.4**	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	<0.2	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	<0.4	<0.4	<0.4	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	<0.3	<0.3	<0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	---	---	---	<1	<5	<5	<5	<5	<5	<5	<5	<5
arsenic (dissolved)	10	---	39.5	---	40	42	43	42.8	39	43.9	46.2	51.9	47.0
arsenic (total)	---	---	---	---	41	46	40	42	38	41.9	48	55.1	48.6
calcium	---	38,800	22,200	18,800	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	---	---	---	44,000	52,400	51,700	55,700	56,400	62,500	68,200	68,400	---
iron (total)	---	76,900	44,800	32,900	44,000	56,000	51,600	56,100	57,100	62,700	70,700	70,100	---
magnesium	---	18,400	11,300	8,530	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	---	---	842	1,600	1,840	1,940	2,040	1,990	2,100	2,380	---	---
manganese (total)	---	1,900	1,110	---	1,700	1,980	1,920	2,060	2,010	2,130	2,450	---	---
potassium	---	12,700	7,610	4,860(B)	---	---	---	---	---	---	---	---	---
sodium	---	30,300	25,000	22,000	---	---	---	---	---	---	---	---	---
pH (SU)	---	---	---	---	---	6.17	6.21	5.65	6.28	6.18	6.38	6.28	6.29
SC (mS/cm)	---	---	---	---	---	1.176	0.933	0.946	1.269	1.304	0.962	1.301	1.53
Turb (NTU)	---	---	---	---	---	1.33	1.88	0.64	1.56	0.39	0.98	55.4	92.2
DO (mg/l)	---	---	---	---	---	0.38	0.76	3.01	0.32	0.59	0.3	0.25	0.18
Eh (mv)	---	---	---	---	---	-99.9	6.8	-20.6	-108.7	-4.8	-188	-67	-100
Temp (^{o}C)	---	---	---	---	---	7.67	9.79	14.28	9.87	11.57	10.15	10.17	9.75
Water Level Elevation	---	---	---	---	---	146.88	147.23	147.63	146.78	146.98	146.05	141.94	148.53

"*" denotes the ground water sample collected for well SB-B3 was incorrectly identified in the field and on the laboratory report as SB-B2.

SUMMARY OF HISTORICAL GROUND WATER QUALITY DATA
GMP WELL SB-10I
SCREENED INTERVAL - 30 - 40 FEET BGS

SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

constituent (ppb)	ICL	AGQS	Jun-01	Nov-01	May-02	Dec-02	Jun-03	Nov-03	May-04	Dec-04	May-05	Oct-05	Jun-06	Oct-06	Jun-07	Oct-07	Jun-08	Nov-08	Apr-09	May-09*	Nov-09	Apr-10	May-10
benzene	**5**	5	<1	<1	<1	<1	<1	<10	<1	**0.2(J)**	<1	**0.4(J)**	<1	<1	**0.7(J)**	**0.7(J)**	**1(J)**	**0.9(J)**	**1**	**1(J)**	**0.9(J)**	**0.8(J)**	**0.9(J)**
ethylbenzene	---	700	<1	<1	<1	**0.2(JB)**	**0.3(J)**	<10	<1	**1(J)**	**2**	**2**	**3**	**3**	**3**	**4**	**6**	**6**	**7**	**6**	**6**	**5**	**6**
toluene	**1,000**	1,000	<1	<1	<1	<1	**3**	<10	<1	**0.5(J)**	<1	**0.6(J)**	**0.8(J)**	**0.8(J)**	**1**	**1(J)**	**1**	**1**	**2**	**1**	**1**	**1**	**1**
xylene	---	10,000	<1	<1	<1	**0.5(J)**	**6**	<10	**2**	**3**	**3**	**3**	**2(J)**	<3	**2(J)**	**2(J)**	**3(J)**	**2(J)**	**4**	**3(J)**	**3**	**2(J)**	**2(J)**
PCE	**5**	5	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TCE	**5**	5	<1	<1	<1	<1	<1	<10	<1	<1	<1	**0.4(J)**	<1	<1	<1	<1	**0.5(J)**	**0.4(J)**	**0.6(J)**	**0.5(J)**	**0.4(J)**	**0.4(J)**	**0.4(J)**
1,2-DCE	**70**	70	**0.6(J)**	<1	<1	<1	<1	<10	**1**	**2**	**2**	**3**	**4**	**4**	**5**	**6**	**7**	**6**	**7**	**8**	**7**	**5**	**4**
vinyl chloride	**2**	2	<1	<1	<1	<1	<1	<10	<1	**0.7(J)**	<1	**1**	<1	**2**	**4**	**4**	**5**	**5**	**4**	**6**	**6**	**5**	**4**
acetone	**700**	6,000	<5	<5	<5	<5	<5	<10	<1	**2(J)**	<5	<5	<5	<5	**7**	<5	**4(J)**	**3(J)**	**3(J)**	**4(J)**	<5	<2	**4(J)**
tetrahydrofuran	**154**	154	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	**2(J)**	**2(J)**	**8**	<5	**2(J)**	<5	**2(J)**
2-butanone	**200**	---	<5	<5	**7**	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl 2-pentanone	**350**	---	<5	**11**	**17**	<5	**19**	**4(J)**	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
methylene chloride	**5**	5	<1	**0.7(JB)**	<1	<1	**5(B)**	<10	<1	<1	<2	<2	<5	<5	<5	<5	**0.4(J)**	<5	**1(JB)**	**1(JB)**	<5	<5	<5
1,1,1,-TCA	---	200	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DCA	---	81	<1	<1	<1	**0.3(J)**	**0.6(J)**	<10	**1**	**1**	**1**	**2**	**2**	**2**	**3**	**4**	**4**	**4**	**5**	**6**	**4**	**4**	**3**
1,1-DCE	**7**	7	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DCA	**5**	5	<1	<1	<1	<1	<1	<10	<1	**0.2(J)**	<1	<1	<1	**0.7(J)**	**1**	**0.8(J)**	**1**	**1(J)**	**1**	**1**	**0.8(J)**	**0.8(J)**	**0.7(J)**
bromomethane	---	10	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
chloromethane	---	30	<1	**0.6(J)**	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
chloroform	---	70	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
dibromochloromethane	---	60	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
bromoform	---	4	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
carbon disulfide	---	70	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.7(J)**	<1	<1
styrene	---	100	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
chloroethane	**14,000**	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1
chlorobenzene	---	100	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	---	5	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	---	5	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	---	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	---	---	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	---	2	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	---	---	<5	<5	<5	<5	<5	<10	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
GMP constituents																							
cis-1,2-DCE	**70**	70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**8**	**7**	**5**	**4**
trans-1,2-DCE	---	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
isopropylbenzene	---	800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**0.6(J)**	**0.6(J)**	---	**0.7(J)**
n-propylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,3,5-trimethylbenzene	---	330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	**0.2(J)**	<1	**0.2(J)**
sec-butylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
p-isopropyltoluene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	**0.3(J)**	---	**0.3(J)**
1,4-dichlorobenzene	---	75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
1,2-dichlorobenzene	---	600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
n-butylbenzene	---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
1,2,4-trimethylbenzene	---	330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**0.2(J)**	**0.3(J)**	<1	**0.3(J)**
naphthalene	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
methyl tert-butyl ether	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1
diethyl ether	---	1,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3**	**3**	---	**2**
ethyl tertiary-butyl ether	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1	<1	---	<1
di-isopropyl ether	---	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**0.4(J)**	**0.3(J)**	---	<1
tertiary-butyl alcohol	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	---	<5
1,4-dioxane	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**75**	**88**	---	**45**
arsenic (dissolved)	**10**	10	12.4(B)	14.9	12.4	14	14.6	11.4	15.4	16.8	15.2	12	13.8	14.6	13.6	13.2	16.4	14	14.1	---	19.2	28.6	23.2
arsenic (total)	---	---	31.8(B)	13.4	13.2	16.6	15.3	15.6	14.5	14.4	17.1	11.4	11.7	15.6	13.8	13.6	17.1	15.3	16.4	---	20	27.3	24
calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
iron (dissolved)	---	---	3,840	10,400	8,650	10,800	10,900	10,300	11,600	12,700	14,500	13,900	16,600	17,200	21,800	21,300	24,800	25,700	27,000	---	25,500	---	23,700
iron (total)	---	---	55,000	15,700	9,980	11,900	11,300	9,780	11,900	14,100	14,700	13,400	16,400	16,900	21,100	21,400	25,200	26,100	26,600	---	26,200	---	22,800
magnesium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
manganese (dissolved)	---	840	540	318	305	290	282	277	305	322	352	339	418	443	542	565	642	649	653	---	716	---	740
manganese (total)	---	---	1,240	374	286	298	277	260	314	340	355	322	409	438	520	555	643	651	645	---	727	---	714
potassium	---	35,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sodium	---	---	---	---	---	---	5,500	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH (SU)	---	---	6.29	6.77	6.82	6.60	6.77	6.91	6.61	6.61	6.76	6.82	6.63	6.54	6.49	7.06	6.57	6.44	6.95	6.64	6.63	6.66	6.67
SC (mS/cm)	---	---	0.071	0.100	0.109	0.108	0.110	0.103	0.154	0.117	0.118	0.145	0.154	0.169	0.187	0.208	0.223	0.219	0.260	0.249	0.253	0.249	0.233
Turb (NTU)	---	---	---	98	8.98	6.15	4.90	4.74	17	1.62	2.90	8.35	1.81	0.93	3.04	2.21	1.40	14.90	6.6	5.21	0.570	117	16.3
DO (mg/l)	---	---	0.15	0.66	0.23	1.46	0.28	0.28	0.18	0.32	0.67	0.24	0.32	0.37	0.61	0.8	0.39	0.37	0.35	0.31	0.29	0.17	0.18
Eh (mv)	---	---	-23.8	-43.5	-60.1	-77.2	-12.4	-114	16	154	-57.8	-103	-103.3	-111.8	-4.3	-217.8	-102.8	-94.6	-129	-96.3	-81.2	-144	-114.5
Temp (^{0}C)	---	---	9.9	9.3	8.9	7.7	10.2	9	8.9	8.4	8.5	9.48	11.74	10	10.91	10.59	10.84	11.10	11.09	10.08	9.63	11.11	9.11
Water Level Elevation	149.39	NA	146.49	143.89	146.38	145.89	146.68	146.54	147.16	146.73	146.96	146.79	147.31	146.44	---	---	---	---	---	---	---	---	---

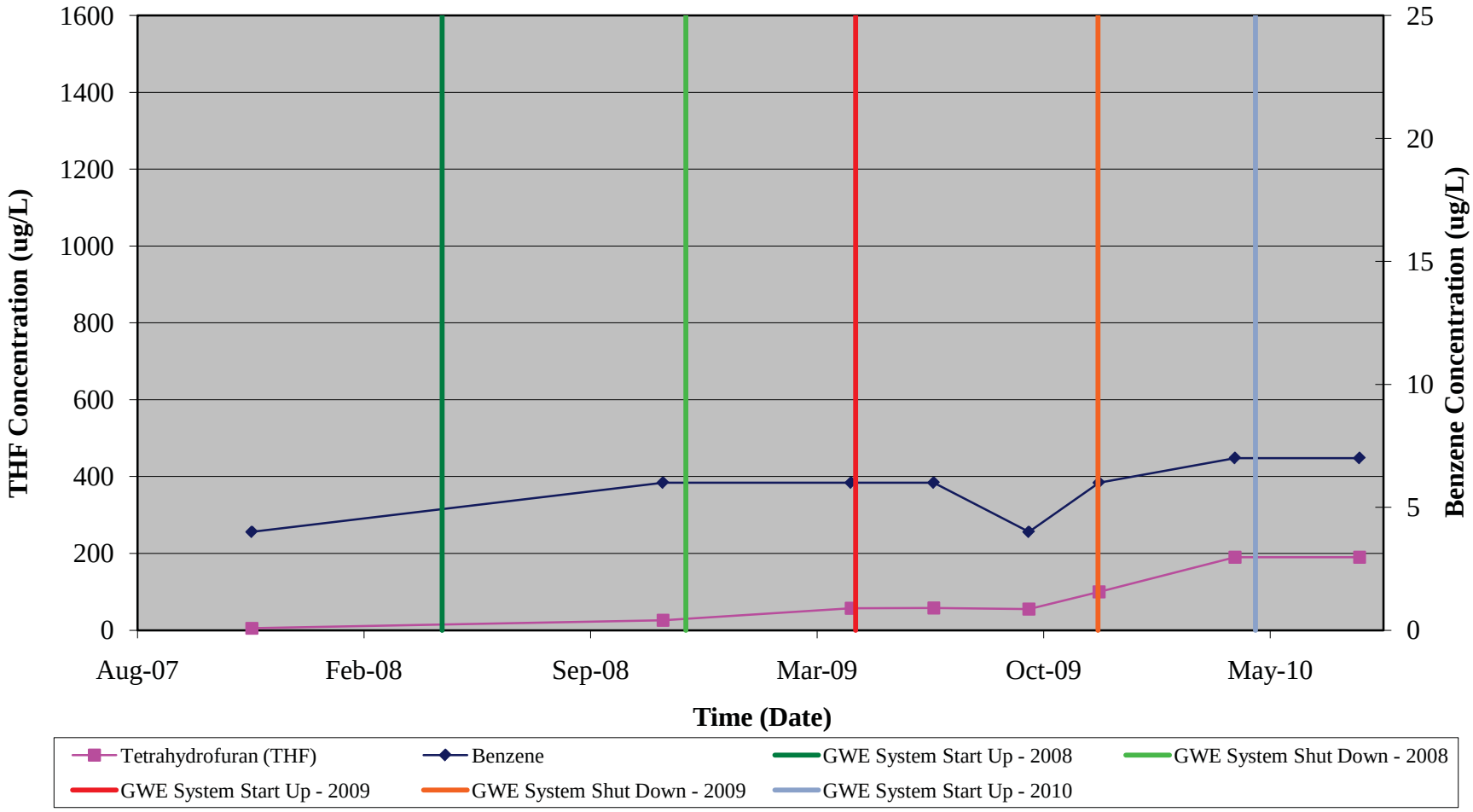
"*" denotes that GeoInsight collected a ground water sample from well SB-10I for metals analyses in April 2009.

APPENDIX C

CONCENTRATION VERSUS TIME – QUARTERLY PERFORMANCE MONITORING WELLS

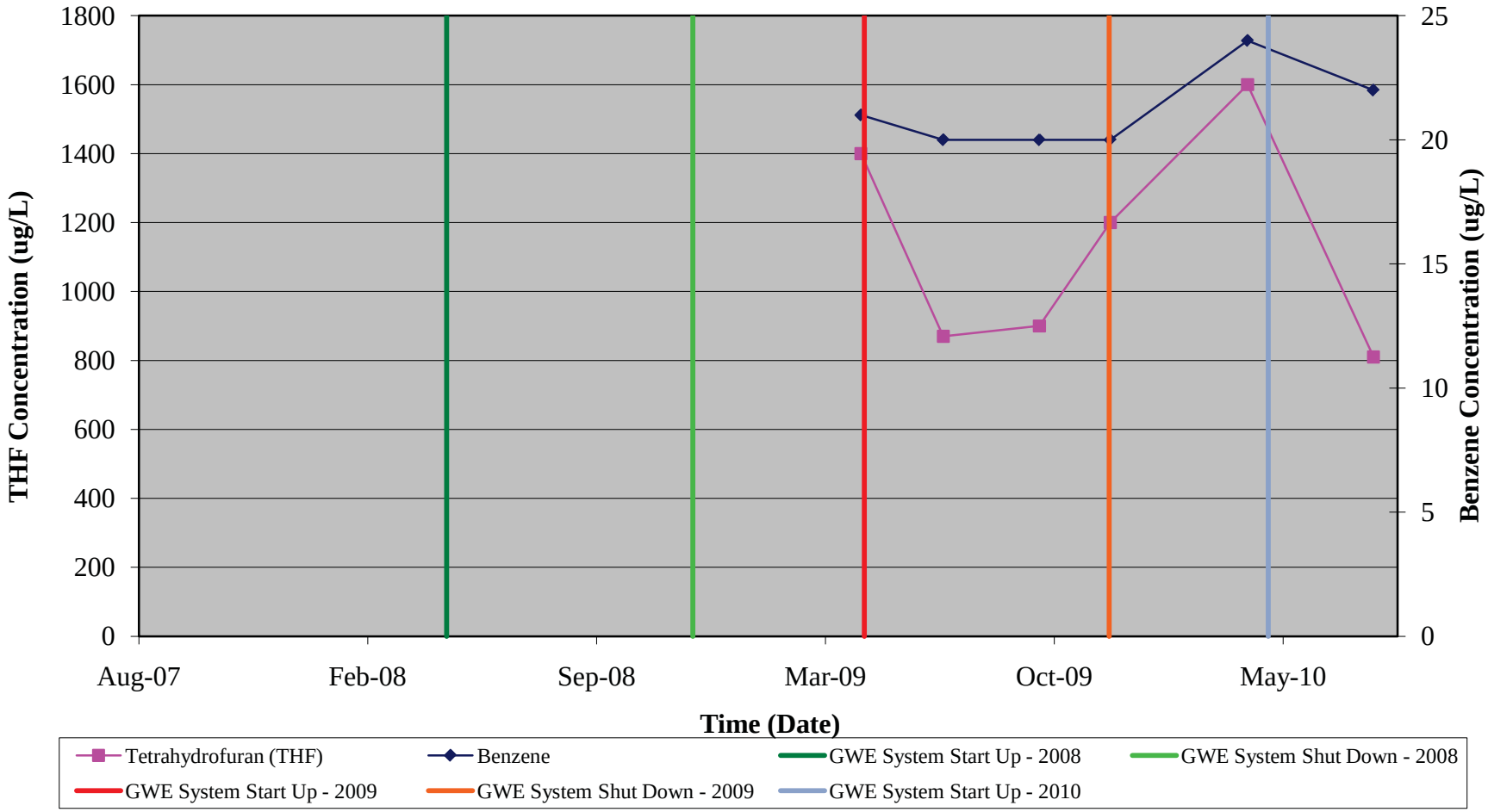
SCREENED INTERVAL
35 - 45 FEET BGS

APPENDIX C-1
CONCENTRATION VERSUS TIME - MW-200I
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



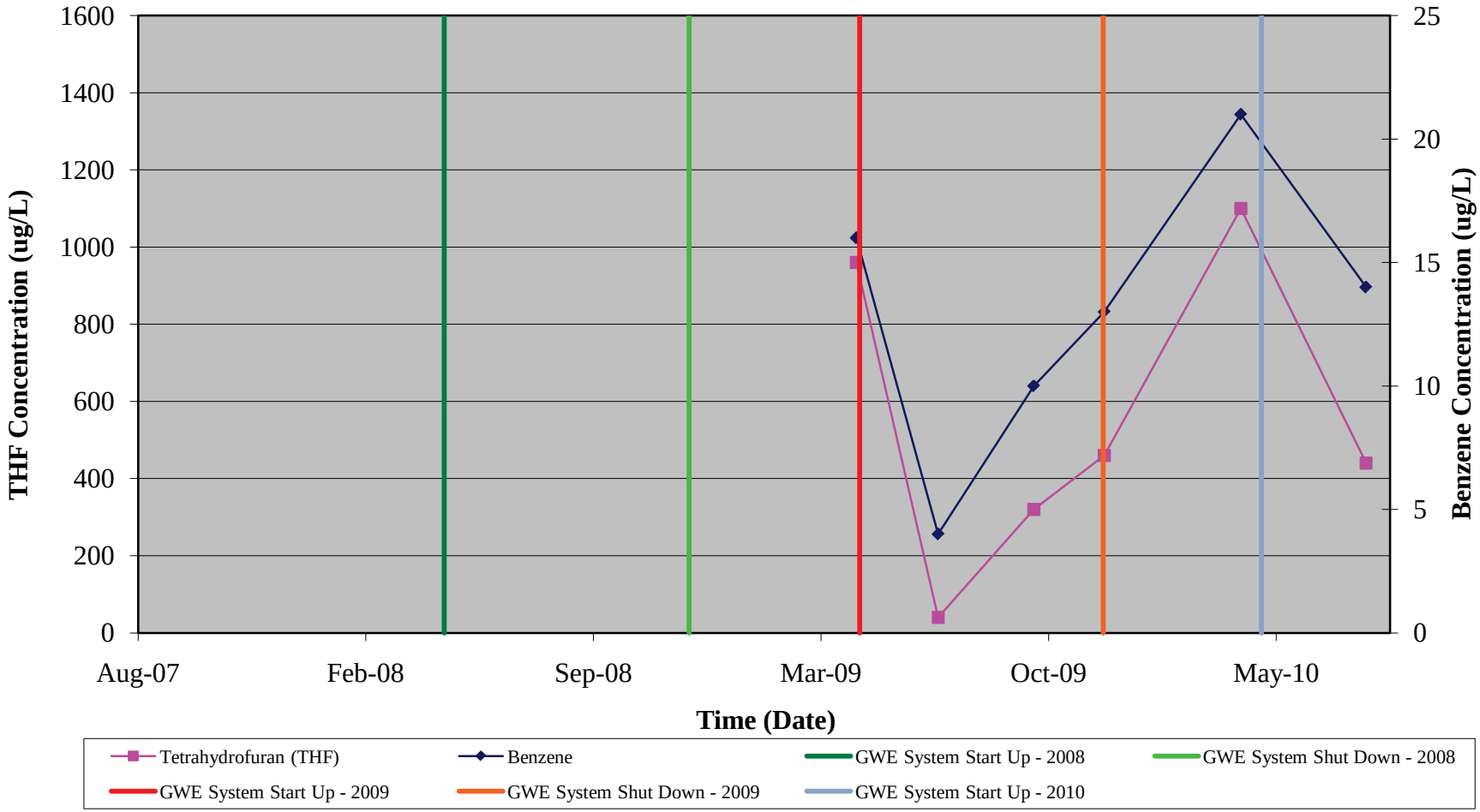
SCREENED INTERVAL
35 - 45 FEET BGS

APPENDIX C-2
CONCENTRATION VERSUS TIME - MW-207I
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



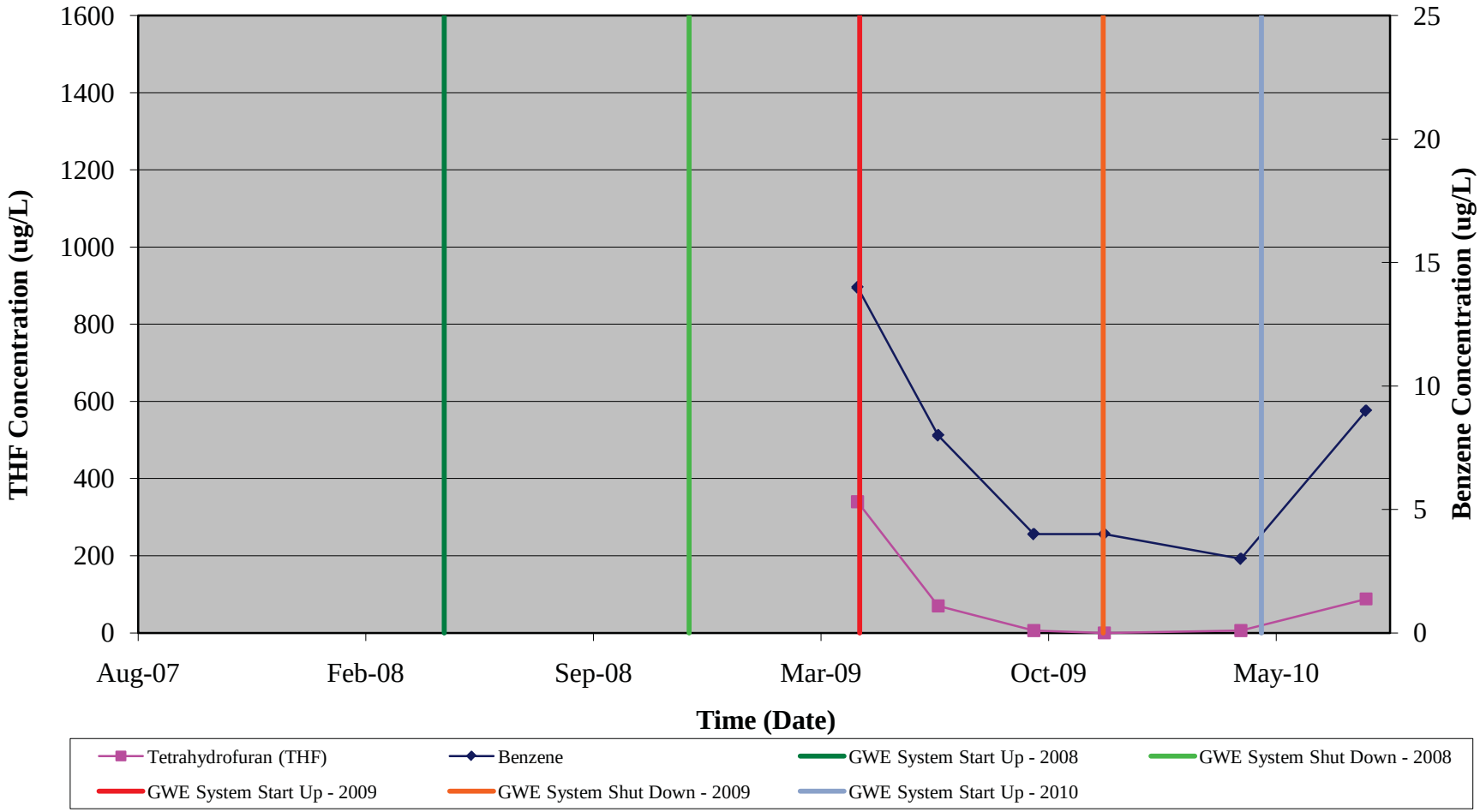
SCREENED INTERVAL
35 - 45 FEET BGS

APPENDIX C-3
CONCENTRATION VERSUS TIME - MW-208I
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



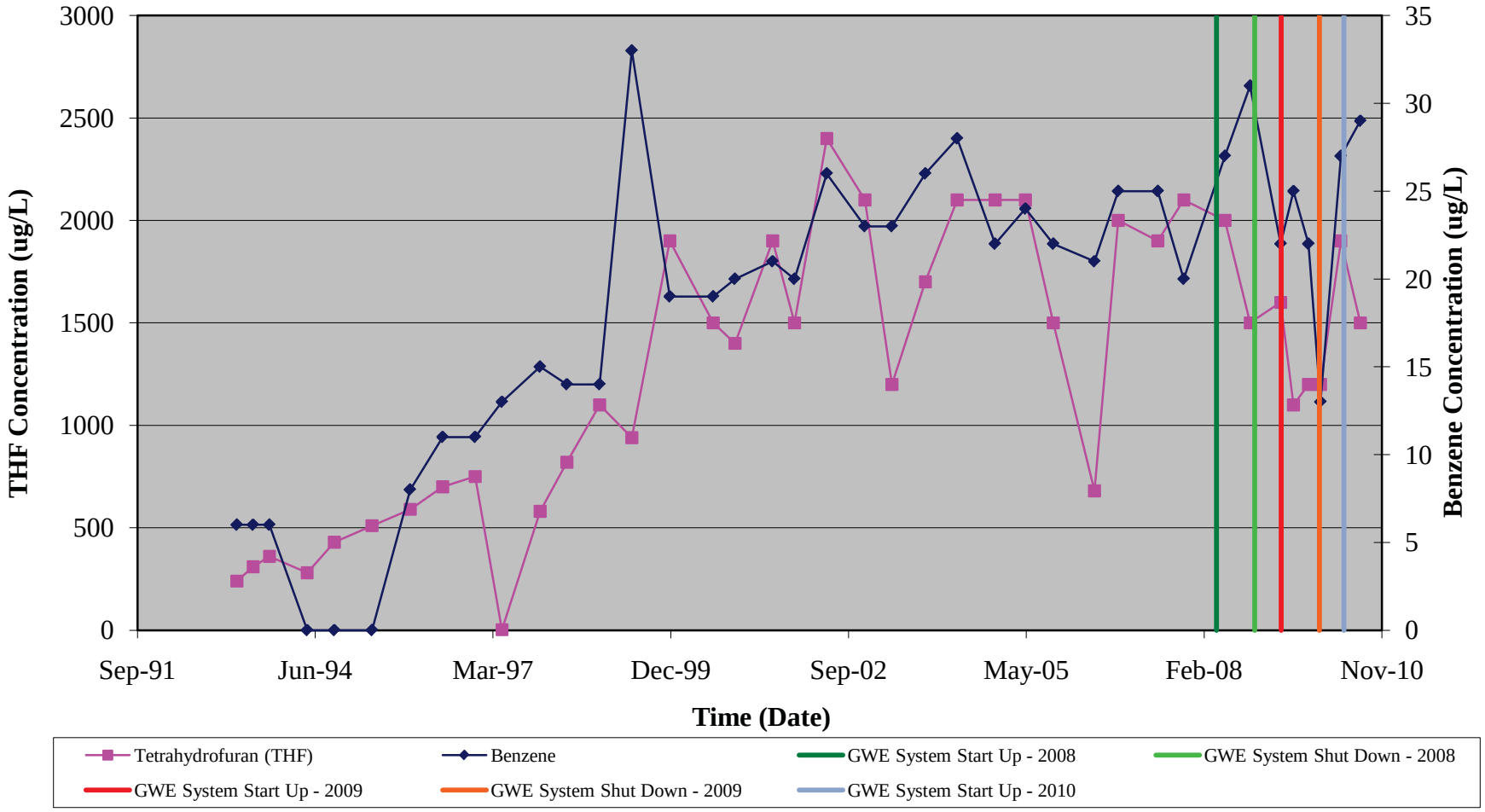
SCREENED INTERVAL
35 - 45 FEET BGS

APPENDIX C-4
CONCENTRATION VERSUS TIME - MW-209I
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



SCREENED INTERVAL
34 - 44 FEET BGS

APPENDIX C-5
CONCENTRATION VERSUS TIME - SB-B2
SOUTHERN PLUME MANAGEMENT OF MIGRATION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE



APPENDIX D-1

DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLISTS

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19008

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 5/26/10

Sample Collection Date: 4/27/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2	No. of Samples Accepted 2
		No. of Samples Flagged 0
	Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19072

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 5/12/10

Sample Collection Date: 5/4/10 Sampled by: CAM

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2	No. of Samples Accepted 2
		No. of Samples Flagged 0
	Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19193

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 5/26/10

Sample Collection Date: 5/18/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 2 No. of Samples Flagged 0 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19300

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 6/9/10

Sample Collection Date: 6/1/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 2 No. of Samples Flagged 2 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19397

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 6/25/10

Sample Collection Date: 6/15/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 2 No. of Samples Flagged 0 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19472

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 7/8/10

Sample Collection Date: 6/29/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 2 No. of Samples Flagged 0 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19545

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 7/21/10

Sample Collection Date: 7/12/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 2 No. of Samples Flagged 0 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Influent

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19651

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 8/2/10

Sample Collection Date: 7/27/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF	No. of Samples 2	No. of Samples Accepted 2
		No. of Samples Flagged 0
	Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Frac Tank

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19007

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 5/12/10

Sample Collection Date: 4/27/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF, Metals 6010B Sulfide, Cyanide, BOD, pH, TSS, Phenols, Formaldehyde	No. of Samples 1 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 1 No. of Samples Flagged 1 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Frac Tank

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19139

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 5/25/10

Sample Collection Date: 5/11/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF, Metals 6010B Sulfide, Cyanide, BOD, pH, TSS, Phenols, Formaldehyde	No. of Samples 1 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 1 No. of Samples Flagged 1 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Frac Tank

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19323

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 6/25/10

Sample Collection Date: 6/8/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF, Metals 6010B Sulfide, Cyanide, BOD, pH, TSS, Phenols, Formaldehyde	No. of Samples 1 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 1 No. of Samples Flagged 1 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Frac Tank

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM System O&M 2010 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: Not recorded

Data Entry Completed by: SJL Date: Not recorded

Data Entry QA/QC Completed by: KEZ Date: Not recorded

Data Validation Required: ☑ Tier I ☐ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Resource Laboratories Laboratory ID #: 19546

Laboratory Sample Delivery Group (SDG): NA Laboratory Report Date: 8/5/10

Sample Collection Date: 7/12/10 Sampled by: BPP

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs + THF, Metals 6010B Sulfide, Cyanide, BOD, pH, TSS, Phenols, Formaldehyde	No. of Samples 1 Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 1 No. of Samples Flagged 1 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☐ Yes ☑ No Temperature Blank within allowable range 4°C (±2°C)?

☑ Yes ☐ No ☐ N/A Samples preserved appropriately?

☐ Yes ☐ No ☑ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☐ Yes ☑ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☐ Yes ☑ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Groundwater

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM 2010 Q2 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: 9/27/2010

Data Entry Completed by: SJL Date: 8/31/2010

Data Entry QA/QC Completed by: KEZ Date: 9/8/2010

Data Validation Required: ☑ Tier I ☑ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Katahdin Analytical Services Laboratory ID #: SD4495

Laboratory Sample Delivery Group (SDG): GEO-15 Laboratory Report Date: 8/9/10

Sample Collection Date: 7/20/10 Sampled by: SJL, KEZ

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs/5030 3010A,6010 Metals/3010,6010	No. of Samples 5, F Dup, TB Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 5 No. of Samples Flagged 1 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☑ Yes ☐ No ☐ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☑ Yes ☐ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☑ Yes ☐ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☑ Yes ☐ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

Sample Media Groundwater

DOVER DATA VALIDATION AND QUALITY ASSURANCE/QUALITY CONTROL CHECKLIST

PDI/MOM/RA: Southern Plume MOM 2010 Q1 Project #: 2009-009

QA/QC Checklist Completed by: SJL Date: 9/27/2010

Data Entry Completed by: SJL Date: 5/28/2010

Data Entry QA/QC Completed by: KEZ Date: Not Recorded

Data Validation Required: ☑ Tier I ☑ Tier II ☐ Tier III (See Attachments)

Laboratory Name: Katahdin Analytical Services Laboratory ID #: SD1724

Laboratory Sample Delivery Group (SDG): GEO-14 Laboratory Report Date: 4/21/10

Sample Collection Date: 4/1/10, 4/2/10, and 4/5/10 Sampled by: SJL, CAM

ANALYSES/EXTRACTION METHODS	SAMPLE SUMMARY	DATA USABILITY SUMMARY
8260B VOCs/5030 3010A,6010 Metals/3010,6010	No. of Samples 17, TB, F Dup Matrix: Soil ☐ Water ☑ Other ☐	No. of Samples Accepted 17 No. of Samples Flagged 17 No. of Samples Rejected 0

DATA REVIEW CHECKLIST *(If an answer to a question is no, then list the sample ID and the problem on the back of this page, and report to the PM immediately after completing this form)*

Field QA/QC

☑ Yes ☐ No Temperature Blank within allowable range 4°C (±2°C)?

☐ Yes ☑ No ☐ N/A Samples preserved appropriately?

☑ Yes ☐ No ☐ N/A Trip Blank was analyzed (1 per cooler)?

☐ Yes ☐ No ☑ N/A Equipment Rinse Blank(s) was collected/analyzed (1 per 20 per equipment type)?

☐ Yes ☐ No ☑ N/A Field Blank(s) was collected/analyzed (1 per water source per event)?

☑ Yes ☐ No Field duplicate collected (1 per 20 samples per matrix per parameter)?

☑ Yes ☐ No MS/MSD collected (1 per 20 samples per matrix per parameter)?

Tier I (Verification of the analytical data package for format, content, and completeness)

☑ Yes ☐ No Lab report signed and certified by laboratory?

☑ Yes ☐ No Chain of custody included in lab report?

☑ Yes ☐ No Analytical methods in final lab report same as requested/comply with project QAPP?

☑ Yes ☐ No All samples analyzed for the requested analyses?

☑ Yes ☐ No Analyte list in final lab report same as requested?

☑ Yes ☐ No Project information in lab report correct?

☐ Yes ☑ No Sample designations in lab report correct?

☐ Yes ☐ No ☑ N/A Tentatively Identified Compounds (TICs) reported?

APPENDIX D-2
SUMMARY OF COMPOUNDS WITH POOR PURGING EFFICIENCY
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Compounds	Reference Source
1,1,2,2-tetrachloroethane	3
1,2,3-trichloropropane	2
1,2-dibromo-3-chloropropane (DBCP)	1,2,3
1,2-dibromoethane (EDB)	3
2,2-dichloropropane	3
2-butanone	1,2,3
2-hexanone	1,2,3
4-methyl-2-pentanone	1,2,3
acetone	1,2,3
bromoform	3
bromomethane	2,3
carbon disulfide	1,3
chloroethane	2,3
chloromethane	2,3
dichlorodifluoromethane	2,3
styrene	2,3
tetrahydrofuran	4
trichlorofluoromethane	2,3
vinyl chloride	2,3

Note:

1. Source - USEPA Method 8260B, SW-846, 3rd Edition.
2. Source - MADEP CAM Guidance dated May 24, 2004 (WSC-CAM-IIA).
3. Source - Department of Defense Quality Systems Manual, Version 3.
4. Source - Resource Laboratories, LLC (RL); RL uses data from its Laboratory Control Sample analyses to identify compounds that routinely exhibit recoveries outside the acceptance limits of 30 to 100 percent.

APPENDIX D-2

SUMMARY OF COMPOUNDS WITH POOR PURGING EFFICIENCY

APPENDIX D-2
SUMMARY OF COMPOUNDS WITH POOR PURGING EFFICIENCY
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

Compounds	Reference Source
1,1,2,2-tetrachloroethane	3
1,2,3-trichloropropane	2
1,2-dibromo-3-chloropropane (DBCP)	1,2,3
1,2-dibromoethane (EDB)	3
2,2-dichloropropane	3
2-butanone	1,2,3
2-hexanone	1,2,3
4-methyl-2-pentanone	1,2,3
acetone	1,2,3
bromoform	3
bromomethane	2,3
carbon disulfide	1,3
chloroethane	2,3
chloromethane	2,3
dichlorodifluoromethane	2,3
styrene	2,3
tetrahydrofuran	4
trichlorofluoromethane	2,3
vinyl chloride	2,3

Note:

1. Source - USEPA Method 8260B, SW-846, 3rd Edition.
2. Source - MADEP CAM Guidance dated May 24, 2004 (WSC-CAM-IIA).
3. Source - Department of Defense Quality Systems Manual, Version 3.
4. Source - Resource Laboratories, LLC (RL); RL uses data from its Laboratory Control Sample analyses to identify compounds that routinely exhibit recoveries outside the acceptance limits of 30 to 100 percent.

SUMMARY AND STATUS OF ACTIVITIES – Q3 – OCTOBER 10, 2010
NORTHWEST LANDFILL HOTSPOT REMEDIAL DESIGN AND REMEDIAL ACTION
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NEW HAMPSHIRE

1. Summary of Activities

Baseline Data Reports - 2010

- This is the second operating season of the air sparge (AS) and soil vapor extraction (SVE) system. A summary of data from the 2009 operating season was presented in the Northwest Landfill Response Action Air Sparging and Soil Vapor Extraction 2009 Annual Report (the 2009 Annual Report), dated April 10, 2010.
- Baseline soil vapor, ground water, and air sampling were completed in March and April 2010. See Tables 1, 2, and 3 for a summary of the soil vapor, ground water, and ambient air baseline sampling results (Attachment A presents the laboratory results). Figures 1 and 2 present the AS and SVE system layout with respect to the volatile organic compound (VOC) treatment area and the perimeter treatment curtain.

2010 Field Work – Q3

- Installation of check valves in all AS well heads to prevent the transport of silt into the well caused by cycling of the AS groups in the VOC Treatment Area (VOCTA).
- Weekly system checks: Table 6 presents a summary of system status check data.
- Monthly Operations and Management (O&M) Field Event – July 22, 2010. Table 3 presents a summary of ambient air exposure monitoring results collected along Tolend Road. Table 7 presents a summary of laboratory results collected from the SVE discharge. Table 8 presents a summary of vapor probe data. Table 9 presents a summary of aqueous sample analytical results collected prior to and after activated carbon treatment. The corresponding laboratory reports have been provided in Attachment A.
- Monthly O&M Field Event – August 26 and 30, 2010: The AS system was not operational due to an oil leak in the VOCTA AS compressors, and therefore AS flows were not adjusted or measured during this event. The SVE component of the system remained active while repairs were conducted on the AS compressors. Tables 4 and 5 present a summary of existing AS and SVE well air flow data, respectively. Table 7 is a summary of laboratory results collected from the SVE discharge (the corresponding laboratory report has been provided in Attachment A). Table 8 presents a summary of vapor probe data.
- Monthly O&M Field Event – Due to a failed uninterrupted power supply unit, the AS and SVE system was not operational at the end of September; the September 2010 O&M event will be conducted during the first week of October 2010.

<u>Mass Removal Calculation</u>

- Table 10 presents the mass removed at the site during operation of the AS and SVE system.
- Approximately 10,877 pounds of VOCs (primarily cis-1,2-dichloroethene, tetrachloroethene, and toluene) have been removed between April 21, 2010 and August 26, 2010. A total of 28,480 pounds of VOCs have been removed since June 2009.

2. Deliverables and Correspondence

None.

3. Schedule for Next Quarter

During the next quarter the following activities are anticipated to be performed:

- Monthly O&M Field Events – October and November* 2010 (*pending weather/freezing conditions that would affect the system operation and shut down date)
- System shut down activities (estimated to occur mid November 2010)
- Baseline groundwater sampling activities (estimated to occur mid December 2010)

4. Status of Activities

Performance and regulatory monitoring data will be submitted with the Quarterly Progress Reports as these data become available.

Remedy Design:	Complete.
Remedy Construction:	Complete.
Remedy Implementation:	Active.

5. Modifications

None

TABLES

Table 1
SVE Soil Gas Static VOC Concentrations
Dover Municipal Landfill Superfund Site, Dover, NH

Sample ID	Sample Date	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride
		(Concentrations are reported in ppbv)															
SVE-05																	
	9/3/2008	65	32 U	140	280	32 U	810	32 U	2,000	32 U	32 U	32 U	32 U	32 U	32 U	32 U	32 U
	4/1/2009	30 U	37	53	360	62	240	30 U	10,000	30 U	30 U	30 U	30 U	52	30 U	30 U	30 U
	4/1/2010	800	140	400	2,300	94	5,600	190	32,000	47 U	47 U	53	47 U	510	51	47 U	92
SVE-07																	
	9/3/2008	530	1,100	7,300	7,800	88 U	5,700	88 U	6,000	100	92	400	1,300	17,000	2,100	650	230
	4/1/2009	46	35	430	1,300	15 U	760	16	2,000	120	120 J	90	610	5,400	1,400	480	40
	4/1/2010	370	130	460	1,500	51	3,400	69	13,000	60	170	28	73	1,100	180	230	640
SVE-09																	
	9/3/2008	500	200 U	220	2,000	200 U	3,700	200 U	9,000	200 U	200 U	200 U	1,400	7,000	7,900	1,800	510
	4/1/2009	1,100	3,300	22,000	34,000	4,900	290,000	1,100	560,000	560 U	560 U	590	25,000	460,000	30,000	4,000	14,000
	4/1/2010	4,700	1,200	12,000	18,000	910	120,000	930	190,000	380 U	380 U	380 U	1,200	100,000	7,900	2,200	5,400
SVE-12																	
	9/3/2008	1,600	850	3,000	13,000	380	42,000	320	120,000	210 U	210 U	340	210 U	3,600	350	210 U	210 U
	4/1/2009	300 U	300 U	1,100	6,700	300 U	16,000	300 U	150,000	300 U	300 U	300 U	300 U	16,000	570	300 U	300 U
	4/1/2010	19,000	5,200	2,300	3,200	240	46,000	420	41,000	280	320	85	350	5,700	1,500	1,000	1,300
SVE-12 (Duplicate)																	
	9/3/2008	1,500	880	3,400	14,000	460	47,000	340	140,000	200 U	200 U	280	200 U	5,400	660	210	200 U
SVE-16																	
	9/3/2008	1,000,000	520,000	84,000	120,000	18,000	2,600,000	20,000	920,000	4,000 U	4,000 U	4,000 U	20,000	540,000	45,000	10,000	1,300,000
	4/1/2009	120,000	54,000	5,400	46,000	11,000	2,300,000	9,000	550,000	2,700 U	2,700 U	2,700 U	7,900	290,000	15,000	2,900	350,000
	4/1/2010	95,000	27,000	3,400	4,500	680	220,000	1,400	130,000	430 U	500	430 U	1,900	33,000	6,900	4,500	13,000
SVE-16 (Duplicate)																	
	4/1/2009	160,000	68,000	6,400	47,000	11,000	2,300,000	9,000	580,000	3,000 U	3,000 U	3,000 U	11,000	340,000	21,000	4,200	340,000
SVE-18																	
	9/3/2008	750	1,100	140 U	910	170	52,000	140 U	34,000	140 U	140 U	1,400	16,000	140,000	35,000	9,600	890
	4/1/2009	310	340	110 U	490	110 U	20,000	110 U	21,000	170	160	710	9,200	58,000	21,000	6,000	380
	4/1/2010	2,800	1,700	160 U	650	190	23,000	290	100,000	160 U	160 U	160 U	1,100	6,900	2,800	1,100	290
SVE-22																	
	4/1/2010	5,300	980	480	1,500	85	16,000	210	15,000	98	81	30 U	48	470	180	120	560
SVE-22 (Duplicate)																	
	4/1/2010	4,900	920	440	1,400	81	15,000	200	14,000	92	77	20 U	46	430	170	110	520
SVE-26																	
	9/3/2008	1,700	4,400	300 U	300 U	300 U	22,000	300 U	6,200	300 U	300 U	370	300 U	1,800	300 U	300 U	300 U
	4/1/2009	3	1 U	1 U	3	1 U	230	1 U	80	1 U	1 U	18	6	79	11	2	1

Table 1
SVE Soil Gas Static VOC Concentrations

Dover Municipal Landfill Superfund Site, Dover, NH

Sample ID	Sample Date	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride
(Concentrations are reported in ppbv)																	

Notes:

SVE = soil vapor extraction
VOC = volatile organic compound
ppbv = parts per billion by volume
U = compound was not detected at the indicated concentration
J = estimated value
PCE = tetrachloroethene
TCE = trichloroethene
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene

Table 2
Groundwater VOC Concentrations
Dover Municipal Landfill Superfund Site, Dover, NH

Monitoring Well	Sample Date	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride
		(Concentrations are presented in ppb)															
AS-01A																	
	9/03/08 G	75	13	150	290	5 U	1,900	13	1,000	150	57	10 U	110	1,900	360	110	25 U
AS-02E																	
	9/03/08 G	100 U	100 U	100 U	100 U	50 U	390	100 U	210	100 U	100 U	100 U	100 U	100 U	100 U	100 U	250 U
	4/01/09 S	100 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	250 U
	1/04/10 S	4	3	2 U	2 U	1 U	18	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
	3/31/10 G	22	26	2 U	2 U	1 U	64	2 U	2 U	5	2	2 U	2 U	6	4	3	5 U
AS-03C																	
	3/31/10 S	270	92	2	55	1 U	170	2 U	57	2 U	2 U	2 U	2 U	3	2 U	5	5 U
AS-04C																	
	9/02/08 S	140,000	16,000	50,000	5,000	720	35,000	400 U	2,900	400 U	400 U	400 U	1,700	16,000	4,300	1,200	38,000
	4/01/09 S	120,000	15,000	32,000	2,000	500 U	83,000	1,000 U	2,600	1,000 U	1,000 U	1,000 U	1,800	14,000	5,200	1,300	14,000
	1/04/10 S	300	2,600	1,400	290	50 U	14,000	100 U	100 U	100 U	100 U	100 U	100 U	2,000	100 U	100 U	650
	3/31/10 S	150	860	3,100	810	100	55,000	110	480	100 U	100 U	100 U	290	3,500	1,100	390	250 U
AS-06C																	
	3/31/09 S	40 U	40 U	88	470	20 U	8,200	66	5,600	550	210	40 U	400	9,700	1,300	400	100 U
	1/04/10 S	17 J	7 J	2 U	12	1 U	79	2 U	43	4	2 U	2 U	2 U	10	2	2	5 U
AS-06C (Duplicate)																	
	1/04/10 S	10 J	5 J	2 U	11	1 U	79	2 U	38	2 U	2 U	2 U	2 U	12	2 U	2 U	5 U
AS-07E																	
	9/03/08 G	20 U	20 U	41	580	10 U	15,000	23	7,100	180	53	25	400	4,000	1,100	370	50 U
	3/31/09 S	21	10 U	10 U	290	5 U	36	10 U	930	200	60	35	440	3,000	1,300	430	25 U
	12/31/09 S	20 U	20 U	20 U	100	10 U	110	20 U	1,800	150	43	20 U	290	2,800	940	360	50 U
	3/31/10 S	20 U	20 U	20 U	95	10 U	20 U	20 U	20 U	100	34	20 U	160	1,200	510	190	50 U
AS-13B																	
	9/03/08 G	200 U	200 U	220	1,600	100 U	4,200	200 U	890	250	200 U	200 U	300	9,100	810	280	500 U
	4/01/09 G	40 U	40 U	40 U	97	20 U	40 U	40 U	40 U	220	61	40 U	300	7,800	770	280	100 U
	1/04/10 S	2 U	2 U	2 U	46	1 U	19	2 U	64	4	2 U	3	5	11	3	5	5 U
	3/31/10 S	2 U	2 U	2 U	42	1 U	14	5	75	28	9	3	50	1,200	97	54	9
AS-14A																	
	9/03/08 S	2,300	400 U	2,000	6,500	200 U	25,000	400 U	850	460	400 U	400 U	1,400	81,000	4,000	1,100	25,000
	3/31/09 S	400 U	400 U	3,100	9,200	200 U	39,000	400 U	850	430	400 U	400 U	1,600	100,000	4,600	1,300	51,000
	1/04/10 S	2 U	2 U	3	45	1 U	320	2 U	27	5	2 U	2 U	3	110	8	4	5 U
	3/31/10 S	20 U	20 U	20	250	10 U	2,600	20 U	710	55	24	20 U	33	2,300	110	74	50 U
AS-14A (Duplicate)																	
	3/31/09 S	400 U	400 U	3,000	9,200	200 U	39,000	400 U	820	420	400 U	400 U	1,500	100,000	4,500	1,200	51,000
AS-15A																	
	9/03/08 G	1,700	660	1,900	4,200	100 U	35,000	200 U	1,200	200 U	200 U	200 U	300	17,000	880	290	38,000
	4/01/09 G	200 U	200 U	2,600 B	7,200	100 U	40,000	200 U	1,300	200 U	200 U	200 U	310	28,000	910	300	61,000 B
	12/31/09 S	40 U	40 U	40 U	170	20 U	6,500	40 U	3,800	40 U	40 U	40 U	40 U	850	150	69	100 U
	3/31/10 S	40 U	40 U	40 U	630	20 U	91	40 U	24,000	120	48	40 U	270	4,700	1,200	420	100 U
AS-15B																	
	3/31/10 S	66	220	310	1,500	72	52,000	84	4,200	77	40 U	40 U	200	9,600	810	250	490
AS-15D																	
	9/03/08 G	23,000	2,300	2,100	4,200	110	180,000	200 U	2,000	200 U	200 U	200 U	800	2,000	2,300	720	27,000
	4/01/09 G	130,000	6,900	9,600	7,000	500 U	220,000	1,000 U	3,200	1,000 U	1,000 U	1,000 U	2,700	47,000	8,100	2,300	41,000

Table 2
Groundwater VOC Concentrations
Dover Municipal Landfill Superfund Site, Dover, NH

Monitoring Well	Sample Date		PCE		TCE		1,1,1-TCA		1,1-DCA		1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		Vinyl chloride		1,2,4-Trimethyl benzene		1,3,5-Trimethyl benzene		Benzene		Ethyl-benzene		Toluene		m&p-Xylenes		o-Xylene		Methylene chloride	
			(Concentrations are presented in ppb)																															
AS-15D																																		
	12/31/09	S	1,000	U	1,400		1,000	U	1,900		500	U	120,000		1,000	U	1,000	U	1,000	U	1,000	U	1,000	U	1,000	U	11,000		1,000	U	1,000	U	3,800	
	3/31/10	S	1,300		1,000	U	1,000	U	1,600		500	U	180,000		1,000	U	1,000	U	1,000	U	1,000	U	1,000	U	1,000	U	28,000		1,400		1,000	U	2,500	U
AS-16A																																		
	3/31/09	S	54,000		5,500		2,000	U	7,600		1,000	U	230,000		2,000	U	3,100		2,000	U	2,000	U	2,000	U	2,800		64,000		9,200		2,700		34,000	
	12/31/09	S	1,000	U	1,000	U	1,000	U	2,700		500	U	110,000		1,000	U	1,000	U	1,000	U	1,000	U	1,000	U	1,000	U	9,500		1,000	U	1,000	U	4,300	
AS-16C																																		
	9/03/08	G	28,000		3,500		4,600		3,900		120		160,000		200	U	2,500		200	U	200	U	200	U	880		21,000		2,600		810		14,000	
	4/01/09	G	110,000		6,400		8,900		6,300		500	U	210,000		1,000	U	3,500		1,000	U	1,000	U	1,000	U	2,800		48,000		9,000		2,500		29,000	
	12/31/09	S	560		3,500		650		380		50	U	18,000		100	U	340		100	U	100	U	100	U	100	U	1,400		350		200		250	U
	3/31/10	S	600		1,200		1,000		1,500		83		92,000		100	U	2,100		290		110		100	U	580		13,000		2,600		860		280	
AS-23C																																		
	3/31/10	G	59,000		12,000		1,400		540		200	U	130,000		400	U	3,300		950		400	U	400	U	1,800		12,000		6,400		1,800		1,000	U
AS-24A																																		
	9/03/08	S	570		370		7,400		6,500		160		55,000		200	U	980		390		200	U	200	U	860		44,000		2,200		760		52,000	
AS-24C																																		
	9/02/08	G	2,500		250		450		2,300		150		160,000		240		7,400		890		260		100	U	2,700		20,000		7,800		2,500		1,800	
AS-25A																																		
	4/01/09	G	200	U	200	U	200	U	350		100	U	8,700		200	U	830		200	U	200	U	200	U	200	U	2,100		210		200	U	500	U
	12/31/09	S	100	U	100	U	100	U	920		50	U	15,000		100	U	280		100	U	100	U	100	U	100	U	600		100	U	100	U	1,900	
AS-25B																																		
	1/04/10	S	110		100	U	100	U	100	U	50	U	1,500		100	U	100	U	100	U	100	U	100	U	100	U	140		100	U	100	U	250	U
	4/01/10	S	83		270		22		440		10	U	6,800		20	U	450		23		20	U	20	U	120		1,400		280		140		50	U
AS-27B																																		
	9/03/08	S	820		120		100	U	1,300		55		88,000		100	U	6,900		370		120		100	U	950		11,000		2,700		860		250	U
	3/31/09	S	400	U	400	U	400	U	1,500		200	U	83,000		400	U	4,500		400	U	400	U	400	U	870		14,000		2,600		850		1,000	U
	12/31/09	S	390		290		40	U	320		20	U	5,000		40	U	2,800		73		40	U	40	U	450		3,600		1,700		1,200		100	U
	4/01/10	S	1,100		460		40	U	160		20	U	3,400		40	U	700		520		160		40	U	1,500		5,700		5,600		3,000		100	U
AS-27B (Duplicate)																																		
	4/01/10	S	1,200		360		20	U	150		10	U	3,100		20	U	660		530		160		20	U	1,400		5,400		5,200		2,800		50	U
AS-28B																																		
	9/03/08	S	12,000		470		1,700		5,400		120		71,000		200	U	2,000		770		220		200	U	1,700		35,000		4,600		1,400		12,000	
AS-28B (Duplicate)																																		
	9/03/08	S	9,700		390		1,500		4,200		100	U	59,000		200	U	1,500		570		200	U	200	U	1,400		28,000		3,800		1,100		11,000	
AS-32A																																		
	12/31/09	S	13		14		14		75		80		48		44		24		2	U	2	U	49		68		17		60		31		96	
GW-01																																		
	9/02/08	S	390		94		140		500		5	U	1,000		12		240		280		100		10	U	280		3,100		1,000		380		45	
	4/01/09	S	36		20	U	75	B	600		10	U	2,600		21		1,400		270		96		20	U	410		5,500		1,500		540		180	B
	1/04/10	S	40	U	100		810		1,800		22		14,000		40		5,000		66		40	U	40	U	140		2,300		560		230		100	U
	3/31/10	S	350		5,000		550		560		50	U	12,000		100	U	2,100		100	U	100	U	100	U	140		2,400		580		230		250	U
GW-02																																		
	9/02/08	S	300		200	U	2,200		5,500		100	U	35,000		200	U	2,200		820		220		200	U	1,300		36,000		3,000		940		5,600	
	3/31/09	S	100	U	100	U	200		3,600		50	U	19,000		100	U	2,200		550		130		100	U	950		23,000		2,500		740		2,100	
	1/04/10	S	100	U	100	U	100	U	130		50	U	100	U	100	U	150		100	U	100	U	100	U	100	U	1,600		180		100		250	U
	3/31/10	S	10	U	10	U	10	U	42		5	U	110		10	U	120		100		32		14		120		2,900		270		140		51	

Table 2
Groundwater VOC Concentrations
Dover Municipal Landfill Superfund Site, Dover, NH

Monitoring Well	Sample Date	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride
		(Concentrations are presented in ppb)															
GW-03																	
	9/02/08 S	22,000	3,400	14,000	3,400	170	120,000	200 U	2,300	510	200 U	200 U	1,700	29,000	5,000	1,600	14,000
	3/31/09 S	33,000	8,000	20,000	6,900	500 U	150,000	1,000 U	2,900	1,000 U	1,000 U	1,000 U	2,300	44,000	7,700	2,300	9,600
	1/04/10 S	17,000	15,000	1,600	220	100 U	34,000	200 U	420	240	200 U	200 U	240	2,100	950	420	500 U
	3/31/10 S	5,800	7,100	2,400	920	100	70,000	200 U	200 U	220	200 U	200 U	200 U	3,400	820	390	500 U
GW-04																	
	9/02/08 S	3,400	1,500	20 U	460	11	21,000	34	3,700	180	51	38	1,100	6,200	2,900	910	50 U
	3/31/09 S	20 U	20 U	20 U	1,100	20	72,000	190	7,300	140	43	52	1,300	8,200	3,500	1,000	50 U
	1/04/10 S	120	100 U	100 U	320	50 U	10,000	100 U	1,600	100 U	100 U	100 U	450	3,400	1,500	520	250 U
	4/01/10 S	20 U	20 U	20 U	180	10 U	660	20 U	3,000	140	49	34	800	6,600	2,500	820	50 U
Trip Blank																	
	9/03/08	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
	4/01/09	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
	12/31/09	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
	3/31/10	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U

Notes:

VOC = volatile organic compound
ppb = parts per billion
U = compound was not detected at the indicated concentration.
J = estimated concentration
B = analyte was detected in the method blank
PCE = tetrachloroethene
TCE = trichloroethene
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
G = grab sample was collected after attempting EPA low flow sampling procedures; the well was purged unti dry and allowed to recharge before the sample was collected.
S = sample collected via EPA low flow methodology.

Table 3
Ambient Air Exposure Monitoring VOC Concentrations

Dover Municipal Landfill Superfund Site, Dover, NH

Sample ID	Sample Date	Date Notes	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride	THF
			(Concentrations are presented in ppbv)																
Annual AAL Criteria			60	119	833	335	50	1984	1984	2.4	84	84	1.2	230	106	23	23	119	168
TR-Base																			
	9/3/2008	A	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
	4/1/2009	A	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	7/13/2009	B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/22/2009	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1
	11/12/2009	D	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	4/2/2010	A	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	4/30/2010	E	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
	7/22/2010	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	24

Notes:

VOC = volatile organic compounds
ppbv = parts per billion by volume
AAL = New Hampshire Ambient Air Limit
U = compound was not detected at the indicated concentration
PCE = Tetrachloroethene
TCE = Trichloroethene
THF = Tetrahydrofuran
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
Sample collected along Tolend Road, north of the soil vapor extraction discharge stack.
[A] = Sample was collected prior to AS and SVE system start up.
[B] = Sample was collected one week after SVE system start up.
[C] = Sample was collected 3 months after AS and SVE system start up.
[D] = Sample was collected to verify concentration data detected in the October 2009 sample, which was was collected during heavy traffic conditions.
[E] = Sample was collected one week after AS and SVE system start up.

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-01A				
	7/14/2009	6.0	8.0	11.1
	8/24/2009	9.0	3.0	4.7
	9/2/2009	12.0	4.5	8.0
	10/23/2009	9.0	0.0	0.0
	4/19/2010	6.0	7.7	10.6
	6/15/2010	15.0	0.0	0.0
AS-01B				
	7/15/2009	2.0	9.0	10.0
	8/24/2009	10.0	0.0	0.0
	9/2/2009	14.0	3.0	5.7
	10/23/2009	8.5	0.0	0.0
	4/19/2010	11.0	0.0	0.0
	6/16/2010	20.0	0.0	0.0
AS-01C				
	7/14/2009	7.5	0.0	0.0
	8/24/2009	13.0	0.0	0.0
	9/2/2009	15.0	3.0	5.9
	10/23/2009	11.0	0.0	0.0
	4/19/2010	5.0	11.6	15.2
	6/15/2010	16.0	0.0	0.0
AS-01D				
	7/15/2009	NR	NR	NR
	8/24/2009	9.0	7.0	11.1
	9/2/2009	9.0	6.5	10.3
	9/11/2009	10.0	5.5	9.1
	10/23/2009	9.0	0.0	0.0
	4/19/2010	10.0	7.4	12.2
	6/15/2010	17.0	0.0	0.0
AS-01E				
	7/27/2009	3.0	9.8	11.5
	8/24/2009	5.0	10.0	13.1
	9/2/2009	5.0	8.0	10.5
	10/23/2009	6.5	7.4	10.5
	4/19/2010	3.0	8.1	9.6
	6/16/2010	12.0	6.1	10.8
AS-02A				
	7/14/2009	6.0	7.5	10.4
	8/24/2009	11.0	2.5	4.3
	9/2/2009	10.0	6.5	10.7
	10/23/2009	8.0	4.6	7.0
	4/19/2010	10.0	3.7	6.1
	6/15/2010	7.0	4.8	6.9
AS-02B				
	7/15/2009	8.0	0.0	0.0
	8/24/2009	11.0	0.0	0.0
	9/2/2009	11.5	7.0	12.2

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-02B				
	10/23/2009	3.5	7.0	8.5
	4/19/2010	10.0	2.5	4.1
	6/16/2010	7.0	3.6	5.3
AS-02C				
	7/14/2009	8.0	0.0	0.0
	8/24/2009	13.0	0.0	0.0
	9/2/2009	16.0	3.0	6.1
	10/23/2009	7.0	0.0	0.0
	4/19/2010	6.0	8.1	11.2
	6/15/2010	7.0	3.4	4.9
AS-02D				
	7/15/2009	3.5	7.5	9.1
	8/24/2009	10.5	0.0	0.0
	9/2/2009	16.0	0.0	0.0
	9/11/2009	15.0	0.0	0.0
	10/23/2009	9.0	0.0	0.0
	4/19/2010	NR	0.0	0.0
	6/15/2010	17.0	0.0	0.0
AS-02E				
	7/27/2009	7.0	5.5	8.0
	8/24/2009	10.0	0.0	0.0
	9/2/2009	11.0	4.0	6.9
	10/23/2009	11.0	0.0	0.0
	4/19/2010	10.0	0.0	0.0
	6/16/2010	13.0	0.0	0.0
AS-03A				
	7/14/2009	7.0	4.0	5.8
	8/24/2009	10.0	3.0	4.9
	9/2/2009	11.0	6.5	11.1
	10/23/2009	6.0	8.0	11.1
	4/19/2010	10.0	6.1	10.0
	6/15/2010	4.0	3.8	4.8
AS-03B				
	7/15/2009	8.0	4.0	6.1
	8/24/2009	10.0	2.5	4.1
	9/2/2009	13.0	4.5	8.3
	10/23/2009	8.0	4.0	6.1
	4/19/2010	7.0	8.1	11.8
	6/16/2010	6.0	2.9	4.1
	7/30/2010	14.0	4.5	8.6
AS-03C				
	7/14/2009	5.5	9.0	12.1
	8/24/2009	11.0	7.0	12.0
	9/2/2009	8.0	10.0	15.2
	10/23/2009	10.0	0.0	0.0
	4/19/2010	8.0	6.4	9.6

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-03C				
	6/15/2010	5.0	3.9	5.1
AS-03D				
	7/15/2009	7.0	3.0	4.3
	8/24/2009	7.0	8.0	11.6
	9/2/2009	13.0	8.0	14.8
	9/11/2009	9.0	5.0	7.9
	10/23/2009	9.0	0.0	0.0
	4/19/2010	11.0	4.1	7.0
	6/15/2010	17.0	0.0	0.0
AS-03E				
	7/27/2009	2.0	10.0	11.1
	8/24/2009	4.0	8.0	10.0
	9/2/2009	6.0	7.0	9.7
	10/23/2009	6.5	7.0	9.9
	4/19/2010	6.0	9.1	12.6
	6/16/2010	13.0	0.0	0.0
AS-04A				
	7/14/2009	7.0	4.5	6.5
	8/24/2009	9.0	7.5	11.9
	9/2/2009	6.5	9.0	12.7
	10/23/2009	6.5	5.7	8.0
	4/19/2010	9.0	9.6	15.2
	6/15/2010	17.0	0.0	0.0
AS-04B				
	7/15/2009	8.0	4.0	6.1
	8/24/2009	4.0	10.0	12.5
	9/2/2009	11.0	6.5	11.1
	10/23/2009	8.5	0.0	0.0
	4/19/2010	12.0	0.0	0.0
	6/16/2010	20.0	0.0	0.0
AS-04C				
	7/14/2009	5.0	7.5	9.9
	8/24/2009	12.0	6.0	10.7
	9/2/2009	15.0	5.0	9.9
	10/23/2009	10.0	5.8	9.5
	4/19/2010	12.0	5.1	9.1
	6/15/2010	13.0	5.5	10.1
AS-04D				
	7/15/2009	7.0	5.0	7.2
	8/24/2009	11.0	0.0	0.0
	9/2/2009	14.0	8.0	15.3
	9/11/2009	13.0	5.0	9.2
	10/23/2009	9.0	1.9	3.0
	4/19/2010	11.0	3.5	6.1
	6/15/2010	17.0	0.0	0.0

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-04E				
	7/27/2009	8.0	5.0	7.6
	8/24/2009	10.0	4.5	7.4
	9/2/2009	10.0	6.0	9.9
	10/23/2009	10.0	3.6	6.0
	4/19/2010	10.0	5.0	8.3
	6/16/2010	10.0	7.1	11.7
AS-05A				
	7/14/2009	5.0	8.0	10.5
	8/24/2009	11.0	0.0	0.0
	9/2/2009	13.0	0.0	0.0
	10/23/2009	9.0	0.0	0.0
	4/19/2010	11.0	3.5	6.1
	6/15/2010	16.0	0.0	0.0
AS-05B				
	7/15/2009	2.0	9.5	10.6
	8/24/2009	5.0	10.0	13.1
	9/2/2009	3.0	10.0	11.8
	10/23/2009	3.0	8.0	9.5
	4/19/2010	3.0	8.6	10.1
	6/16/2010	2.0	3.6	4.1
	7/30/2010	6.5	14.5	20.5
AS-05C				
	7/14/2009	5.0	10.0	13.1
	8/24/2009	4.5	10.0	12.8
	9/2/2009	5.0	10.0	13.1
	10/23/2009	5.0	7.0	9.2
	4/19/2010	6.0	10.6	14.7
	6/15/2010	7.0	2.1	3.0
AS-05D				
	7/15/2009	3.0	8.0	9.5
	8/24/2009	6.0	9.0	12.4
	9/2/2009	4.0	10.0	12.5
	9/11/2009	6.0	9.5	13.1
	10/23/2009	3.5	7.0	8.5
	4/19/2010	5.0	12.5	16.4
	6/15/2010	2.0	3.6	4.1
AS-05E				
	7/27/2009	10.0	3.0	4.9
	8/24/2009	10.0	4.5	7.4
	9/2/2009	9.0	6.0	9.5
	10/23/2009	10.5	4.0	6.7
	4/19/2010	9.0	7.1	11.2
	6/16/2010	10.0	8.1	13.4
AS-06A				
	7/14/2009	5.0	10.0	13.1
	8/24/2009	9.0	8.0	12.7

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-06A				
	9/2/2009	8.0	8.0	12.1
	10/23/2009	5.0	7.0	9.2
	4/19/2010	7.0	7.8	11.2
	6/15/2010	2.0	3.2	3.5
AS-06B				
	7/15/2009	5.0	9.5	12.5
	8/24/2009	8.0	9.0	13.6
	9/2/2009	8.0	8.0	12.1
	10/23/2009	5.0	5.5	7.2
	4/19/2010	6.0	7.3	10.1
	6/16/2010	2.0	2.3	2.5
	7/30/2010	7.0	14.7	21.3
AS-06C				
	7/14/2009	4.0	8.0	10.0
	8/24/2009	5.0	5.0	6.6
	9/2/2009	8.0	8.0	12.1
	10/23/2009	8.0	6.3	9.5
	4/19/2010	7.0	7.1	10.2
	6/15/2010	2.0	3.9	4.4
AS-06D				
	7/15/2009	5.5	7.0	9.4
	8/24/2009	8.0	8.5	12.9
	9/2/2009	6.5	9.0	12.7
	9/11/2009	6.0	8.5	11.7
	10/23/2009	6.5	5.7	8.0
	4/19/2010	7.0	7.1	10.2
	6/15/2010	17.0	0.0	0.0
AS-06E				
	7/27/2009	8.0	9.0	13.6
	8/24/2009	8.0	6.5	9.8
	9/2/2009	10.0	7.0	11.5
	10/23/2009	10.0	7.0	11.5
	4/19/2010	10.0	6.5	10.6
	6/16/2010	9.0	10.1	16.0
AS-07A				
	7/14/2009	5.5	8.0	10.8
	8/24/2009	9.0	7.0	11.1
	9/2/2009	10.0	7.5	12.4
	10/23/2009	8.5	0.0	0.0
	4/19/2010	11.0	3.5	6.1
	6/15/2010	17.0	1.4	3.0
AS-07B				
	7/15/2009	2.0	8.0	8.9
	8/24/2009	9.5	5.5	8.9
	9/2/2009	13.0	3.0	5.5
	10/23/2009	8.5	0.0	0.0

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-07B				
	4/19/2010	11.0	0.0	0.0
	6/16/2010	20.0	0.0	0.0
AS-07C				
	7/14/2009	7.0	0.0	0.0
	8/24/2009	6.0	0.0	0.0
	9/2/2009	16.0	0.0	0.0
	10/23/2009	9.0	0.0	0.0
	4/19/2010	NR	0.0	0.0
	6/15/2010	16.0	0.0	0.0
AS-07D				
	7/15/2009	7.0	5.5	8.0
	8/24/2009	10.0	3.0	4.9
	9/2/2009	10.0	6.0	9.9
	9/11/2009	10.0	5.0	8.2
	10/23/2009	9.0	0.0	0.0
	4/19/2010	11.0	3.5	6.1
	6/15/2010	5.0	3.5	4.6
AS-07E				
	7/27/2009	7.5	8.5	12.6
	8/24/2009	5.0	10.0	13.1
	9/2/2009	8.0	8.0	12.1
	10/23/2009	10.0	8.5	14.0
	4/19/2010	4.5	5.9	7.6
	6/16/2010	13.0	0.0	0.0
AS-08A				
	7/14/2009	7.0	5.5	8.0
	8/24/2009	11.0	0.0	0.0
	9/2/2009	14.0	0.0	0.0
	10/23/2009	8.0	2.0	3.0
	4/19/2010	11.0	3.5	6.1
	6/15/2010	17.0	0.0	0.0
AS-08B				
	7/15/2009	8.0	3.0	4.5
	8/24/2009	10.5	3.0	5.0
	9/2/2009	12.0	5.0	8.9
	10/23/2009	9.0	6.0	9.5
	4/19/2010	10.0	3.7	6.1
	6/16/2010	14.0	10.0	19.3
	7/30/2010	14.0	10.0	19.2
AS-08C				
	7/14/2009	4.0	7.5	9.4
	8/24/2009	6.0	0.0	0.0
	9/2/2009	12.0	7.0	12.5
	10/23/2009	6.0	4.0	5.5
	4/19/2010	13.0	2.7	5.1
	6/15/2010	10.0	2.8	4.7

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-08D				
	7/15/2009	4.0	8.5	10.6
	8/24/2009	9.5	5.5	8.9
	9/2/2009	8.0	6.5	9.8
	9/11/2009	11.5	7.0	12.2
	10/23/2009	7.0	6.0	8.7
	4/19/2010	11.0	3.5	6.1
	6/15/2010	17.0	0.0	0.0
AS-08E				
	7/27/2009	6.0	8.5	11.7
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	10.0	12.5
	10/23/2009	4.0	11.0	13.7
	4/19/2010	3.5	8.3	10.1
	6/16/2010	3.0	8.6	10.1
AS-09A				
	7/14/2009	7.0	6.0	8.7
	8/24/2009	10.0	6.0	9.9
	9/2/2009	11.0	6.0	10.3
	10/23/2009	7.5	3.9	5.8
	4/19/2010	10.0	6.1	10.0
	6/16/2010	6.0	4.0	5.6
AS-09B				
	7/15/2009	6.0	3.0	4.1
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	10.0	12.5
	10/23/2009	5.0	7.0	9.2
	4/19/2010	4.0	7.7	9.6
	6/16/2010	2.5	4.0	4.6
AS-09C				
	7/14/2009	7.0	7.5	10.9
	8/24/2009	10.0	6.5	10.7
	9/2/2009	10.0	7.0	11.5
	10/23/2009	7.0	4.0	5.8
	4/19/2010	12.0	4.0	7.2
	6/15/2010	7.0	3.5	5.1
AS-09D				
	7/15/2009	3.5	10.0	12.1
	8/24/2009	4.0	11.8	14.7
	9/2/2009	NR	NR	NR
	9/11/2009	3.0	9.5	11.2
	10/23/2009	2.0	0.0	0.0
	4/19/2010	4.0	8.1	10.1
	6/15/2010	2.0	3.1	3.4
AS-10A				
	7/14/2009	5.0	8.5	11.2
	8/24/2009	7.0	10.0	14.5

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-10A				
	9/2/2009	5.0	9.0	11.8
	10/23/2009	5.0	6.2	8.2
	4/19/2010	6.0	7.1	9.8
	6/16/2010	7.0	14.7	21.3
AS-10B				
	7/15/2009	4.5	10.0	12.8
	8/24/2009	5.0	10.0	13.1
	9/2/2009	4.5	9.0	11.5
	10/23/2009	3.0	7.0	8.3
	4/19/2010	5.0	9.6	12.7
	6/16/2010	6.0	17.3	23.9
	7/30/2010	6.0	17.3	23.9
AS-10C				
	7/14/2009	4.0	9.5	11.9
	8/24/2009	10.0	4.0	6.6
	9/2/2009	13.5	6.5	12.2
	10/23/2009	7.5	3.6	5.4
	4/19/2010	10.0	3.1	5.1
	6/15/2010	15.0	5.6	11.1
AS-10D				
	7/15/2009	4.0	10.0	12.5
	8/24/2009	8.0	8.0	12.1
	9/2/2009	5.0	8.0	10.5
	9/11/2009	7.0	7.0	10.1
	10/23/2009	4.5	6.0	7.7
	4/19/2010	8.0	10.2	15.4
	6/15/2010	2.0	4.1	4.6
AS-11A				
	7/14/2009	7.0	4.5	6.5
	8/24/2009	11.0	0.0	0.0
	9/2/2009	11.0	7.0	12.0
	10/23/2009	8.8	0.0	0.0
	4/19/2010	10.5	0.0	0.0
	6/16/2010	17.0	3.4	7.2
AS-11B				
	7/15/2009	8.0	4.5	6.8
	8/24/2009	9.5	7.0	11.3
	9/2/2009	11.0	7.0	12.0
	10/23/2009	7.5	5.2	7.7
	4/19/2010	4.0	8.1	10.1
	6/16/2010	16.5	9.0	18.6
AS-11C				
	7/14/2009	5.0	7.5	9.9
	8/24/2009	10.0	5.5	9.1
	9/2/2009	8.0	8.0	12.1
	10/23/2009	8.0	0.0	0.0

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-11C				
	4/19/2010	5.5	7.9	10.6
	6/15/2010	14.0	10.6	20.3
AS-11D				
	7/15/2009	8.0	0.0	0.0
	8/24/2009	11.0	0.0	0.0
	9/2/2009	15.5	0.0	0.0
	9/11/2009	15.0	0.0	0.0
	10/23/2009	8.5	0.0	0.0
	4/19/2010	11.0	4.1	7.0
	6/15/2010	16.0	8.5	17.4
AS-12A				
	7/14/2009	8.0	4.5	6.8
	8/24/2009	11.0	2.5	4.3
	9/2/2009	11.0	5.5	9.4
	10/23/2009	8.0	4.0	6.1
	4/19/2010	NR	0.0	0.0
	6/15/2010	10.0	3.4	5.6
AS-12B				
	7/15/2009	8.0	3.0	4.5
	8/24/2009	10.0	4.0	6.6
	9/2/2009	10.0	6.0	9.9
	10/23/2009	10.0	0.0	0.0
	4/19/2010	10.0	2.5	4.1
	6/16/2010	14.0	11.1	21.3
AS-12C				
	7/14/2009	5.5	5.5	7.4
	8/24/2009	8.0	9.0	13.6
	9/2/2009	7.0	9.0	13.0
	10/23/2009	5.5	5.0	6.8
	4/19/2010	5.5	7.9	10.6
	6/15/2010	10.0	12.2	20.1
AS-12D				
	7/15/2009	5.5	9.0	12.1
	8/24/2009	9.0	7.0	11.1
	9/2/2009	5.0	7.5	9.9
	9/11/2009	15.0	0.0	0.0
	10/23/2009	6.5	5.7	8.0
	4/19/2010	10.0	3.7	6.1
	6/15/2010	15.0	9.1	18.0
AS-13A				
	7/14/2009	4.5	9.5	12.2
	8/24/2009	3.0	10.0	11.8
	9/2/2009	NR	NR	NR
	10/23/2009	2.0	6.0	6.7
	4/19/2010	5.0	12.2	16.0
	6/15/2010	1.5	2.3	2.5

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-13B				
	7/15/2009	2.0	10.0	11.1
	8/24/2009	7.0	5.0	7.2
	9/2/2009	8.5	7.5	11.6
	10/23/2009	5.0	6.5	8.5
	4/19/2010	4.0	8.1	10.1
	6/16/2010	1.5	3.9	4.2
	7/30/2010	9.0	15.0	23.7
AS-13C				
	7/14/2009	8.0	7.5	11.4
	8/24/2009	5.0	4.0	5.3
	9/2/2009	13.0	6.5	12.0
	10/23/2009	10.0	0.0	0.0
	4/19/2010	13.0	3.8	7.1
	6/15/2010	19.0	2.2	4.9
AS-13D				
	7/15/2009	4.5	10.0	12.8
	8/24/2009	2.0	10.0	11.1
	9/2/2009	4.0	8.0	10.0
	9/11/2009	5.0	9.0	11.8
	10/23/2009	3.0	7.0	8.3
	4/19/2010	5.0	8.1	10.6
	6/15/2010	2.0	4.1	4.6
AS-14A				
	7/14/2009	2.0	10.0	11.1
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	9.0	11.2
	10/23/2009	3.0	7.6	9.0
	4/19/2010	6.0	12.1	16.7
	6/16/2010	2.5	4.0	4.6
AS-14B				
	7/15/2009	3.5	8.0	9.7
	8/24/2009	6.0	10.3	14.2
	9/2/2009	8.0	8.0	12.1
	10/23/2009	4.5	6.9	8.9
	4/19/2010	6.5	11.1	15.7
	6/16/2010	3.0	4.0	4.7
	7/30/2010	13.0	9.5	17.6
AS-14C				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	3.0	5.5	6.5
	9/2/2009	3.0	6.0	7.1
	10/23/2009	6.0	10.0	13.8
	4/19/2010	5.0	11.2	14.7
	6/15/2010	8.0	14.4	21.8
AS-14D				
	7/15/2009	4.0	10.0	12.5

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-14D				
	8/24/2009	3.0	10.0	11.8
	9/2/2009	3.5	8.0	9.7
	9/11/2009	5.0	8.0	10.5
	10/23/2009	5.0	5.0	6.6
	4/19/2010	5.0	8.1	10.6
	6/15/2010	15.0	7.7	15.2
AS-15A				
	7/14/2009	4.0	9.0	11.2
	8/24/2009	4.0	10.0	12.5
	9/2/2009	3.0	9.5	11.2
	10/23/2009	3.0	8.0	9.5
	4/19/2010	4.0	8.1	10.1
	6/16/2010	6.0	18.3	25.3
AS-15B				
	7/15/2009	3.5	9.5	11.5
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	10.0	12.5
	10/23/2009	5.0	8.0	10.5
	4/19/2010	5.0	11.2	14.7
	6/16/2010	4.5	16.6	21.3
AS-15C				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	4.0	9.5	11.9
	9/2/2009	4.0	9.0	11.2
	10/23/2009	3.0	6.0	7.1
	4/19/2010	4.0	8.1	10.1
	6/15/2010	4.0	15.4	19.3
AS-15D				
	7/15/2009	4.0	10.0	12.5
	8/24/2009	9.0	7.0	11.1
	9/2/2009	5.0	8.0	10.5
	9/11/2009	5.0	8.0	10.5
	10/23/2009	4.0	5.6	7.0
	4/19/2010	7.0	11.1	16.1
	6/15/2010	16.0	4.9	10.1
AS-16A				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	3.0	10.0	11.8
	9/2/2009	5.0	9.0	11.8
	10/23/2009	4.0	7.0	8.7
	4/19/2010	3.5	10.0	12.2
	6/16/2010	16.0	5.0	10.2
AS-16B				
	7/15/2009	2.5	9.0	10.3
	8/24/2009	10.5	3.5	5.9
	9/2/2009	13.0	4.5	8.3

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-16B				
	10/23/2009	10.0	0.0	0.0
	4/19/2010	11.5	6.1	10.6
	6/16/2010	20.0	4.3	10.0
AS-16C				
	7/14/2009	4.0	9.0	11.2
	8/24/2009	5.5	9.5	12.8
	9/2/2009	10.0	7.0	11.5
	10/23/2009	6.5	4.0	5.7
	4/19/2010	9.0	6.1	9.6
	6/15/2010	12.0	10.1	18.0
AS-16D				
	7/15/2009	6.0	7.0	9.7
	8/24/2009	10.0	3.0	4.9
	9/2/2009	10.0	6.0	9.9
	9/11/2009	11.0	8.0	13.7
	10/23/2009	7.0	3.5	5.0
	4/19/2010	8.0	7.1	10.7
	6/15/2010	11.0	12.2	20.9
AS-17A				
	7/14/2009	6.0	7.5	10.4
	8/24/2009	10.0	5.0	8.2
	9/2/2009	12.0	4.0	7.1
	10/23/2009	8.8	0.0	0.0
	4/19/2010	14.0	4.5	8.6
	6/16/2010	6.0	4.0	5.6
AS-17B				
	7/15/2009	4.0	7.5	9.4
	8/24/2009	10.5	0.0	0.0
	9/2/2009	13.0	3.0	5.5
	10/23/2009	8.5	0.0	0.0
	4/19/2010	14.0	0.0	0.0
	6/16/2010	20.0	4.3	10.0
AS-17C				
	7/14/2009	8.0	5.0	7.6
	8/24/2009	9.5	8.0	12.9
	9/2/2009	8.0	8.0	12.1
	10/23/2009	6.0	5.0	6.9
	4/19/2010	11.0	6.1	10.4
	6/15/2010	11.0	12.2	20.9
AS-17D				
	7/15/2009	4.0	8.5	10.6
	8/24/2009	7.0	8.0	11.6
	9/2/2009	13.0	4.5	8.3
	9/11/2009	15.0	4.0	7.9
	10/23/2009	3.0	0.0	0.0
	4/19/2010	10.0	7.4	12.2

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-17D				
	6/15/2010	4.0	2.4	3.0
AS-18A				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	3.0	10.0	11.8
	9/2/2009	4.0	9.5	11.9
	10/23/2009	3.5	7.2	8.7
	4/19/2010	4.0	8.1	10.1
	6/16/2010	6.0	16.5	22.8
AS-18B				
	7/15/2009	4.0	10.0	12.5
	8/24/2009	3.0	10.0	11.8
	9/2/2009	6.0	9.0	12.4
	10/23/2009	8.0	0.0	0.0
	4/19/2010	12.0	6.3	11.1
	6/16/2010	19.5	4.4	10.1
AS-18C				
	7/14/2009	3.5	9.0	10.9
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.5	9.0	11.5
	10/23/2009	6.0	4.0	5.5
	4/19/2010	13.0	6.0	11.1
	6/15/2010	16.0	2.4	4.9
AS-18D				
	7/15/2009	3.0	10.0	11.8
	8/24/2009	5.0	10.0	13.1
	9/2/2009	4.0	8.0	10.0
	9/11/2009	5.0	10.0	13.1
	10/23/2009	4.0	6.4	8.0
	4/19/2010	3.0	9.1	10.7
	6/15/2010	6.0	15.4	21.3
AS-19A				
	7/14/2009	5.0	9.0	11.8
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	10.0	12.5
	10/23/2009	3.0	8.0	9.5
	4/19/2010	6.0	11.1	15.4
	6/16/2010	9.5	16.3	26.3
AS-19B				
	7/15/2009	2.0	9.5	10.6
	8/24/2009	2.0	10.0	11.1
	9/2/2009	4.5	10.0	12.8
	10/23/2009	6.5	5.7	8.0
	4/19/2010	4.0	7.7	9.6
	6/16/2010	20.0	4.3	10.0
AS-19C				

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-19C				
	7/14/2009	5.5	6.5	8.8
	8/24/2009	7.5	10.0	14.8
	9/2/2009	7.0	8.0	11.6
	10/23/2009	8.0	4.0	6.0
	4/19/2010	12.0	5.7	10.1
	6/15/2010	15.0	4.1	8.1
AS-19D				
	7/15/2009	5.0	10.0	13.1
	8/24/2009	3.0	10.0	11.8
	9/2/2009	3.0	8.5	10.0
	9/11/2009	3.0	9.0	10.6
	10/23/2009	5.0	5.0	6.6
	4/19/2010	11.0	6.5	11.1
	6/15/2010	15.0	6.4	12.7
AS-20A				
	7/14/2009	5.5	9.0	12.1
	8/24/2009	8.0	9.0	13.6
	9/2/2009	12.0	3.5	6.2
	10/23/2009	8.0	0.0	0.0
	4/19/2010	13.0	4.4	8.1
	6/16/2010	16.0	4.0	8.1
AS-20B				
	7/15/2009	3.0	9.0	10.6
	8/24/2009	5.0	10.0	13.1
	9/2/2009	8.0	8.0	12.1
	10/23/2009	7.0	6.5	9.4
	4/19/2010	13.0	6.0	11.1
	6/16/2010	19.5	9.3	21.3
AS-20C				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	11.0	5.5	9.4
	9/2/2009	15.0	4.0	7.9
	10/23/2009	7.0	5.0	7.2
	4/19/2010	12.0	6.1	10.8
	6/15/2010	7.0	4.1	5.9
AS-20D				
	7/15/2009	4.5	10.0	12.8
	8/24/2009	7.0	10.0	14.5
	9/2/2009	6.5	7.0	9.9
	9/11/2009	12.0	7.5	13.4
	10/23/2009	8.0	0.0	0.0
	4/19/2010	6.0	8.1	11.2
	6/15/2010	16.0	4.9	10.1
AS-21A				
	7/14/2009	3.0	10.0	11.8
	8/24/2009	7.0	10.0	14.5

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-21A				
	9/2/2009	10.0	7.0	11.5
	10/23/2009	8.0	0.0	0.0
	4/19/2010	12.0	5.1	9.0
	6/16/2010	15.0	7.7	15.2
AS-21B				
	7/15/2009	4.0	8.0	10.0
	8/24/2009	9.0	5.5	8.7
	9/2/2009	12.5	3.0	5.4
	10/23/2009	8.0	0.0	0.0
	4/19/2010	14.0	4.2	8.1
	6/16/2010	19.5	4.4	10.0
AS-21C				
	7/14/2009	9.0	5.0	7.9
	8/24/2009	10.0	6.5	10.7
	9/2/2009	15.0	4.0	7.9
	10/23/2009	8.5	1.9	3.0
	4/19/2010	14.0	0.0	0.0
	6/15/2010	16.0	2.4	4.9
AS-21D				
	7/15/2009	6.0	6.5	9.0
	8/24/2009	10.5	0.0	0.0
	9/2/2009	12.0	5.5	9.8
	9/11/2009	12.0	7.0	12.5
	10/23/2009	7.0	6.0	8.7
	4/19/2010	11.0	6.1	10.4
	6/15/2010	16.0	5.4	11.1
AS-22A				
	7/14/2009	2.5	10.0	11.5
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	9.0	11.2
	10/23/2009	3.0	7.0	8.3
	4/19/2010	4.0	12.3	15.4
	6/16/2010	5.0	15.4	20.3
AS-22B				
	7/15/2009	4.5	10.0	12.8
	8/24/2009	10.0	4.0	6.6
	9/2/2009	12.5	3.5	6.4
	10/23/2009	10.0	0.0	0.0
	4/19/2010	14.0	0.0	0.0
	6/16/2010	19.5	4.4	10.0
AS-22C				
	7/14/2009	4.5	10.0	12.8
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.0	9.0	11.2
	10/23/2009	3.0	6.0	7.1
	4/19/2010	6.0	10.1	14.0

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-22C				
	6/15/2010	9.0	13.5	21.3
AS-22D				
	7/15/2009	3.0	10.0	11.8
	8/24/2009	3.0	10.0	11.8
	9/2/2009	3.0	9.0	10.6
	9/11/2009	2.5	10.0	11.5
	10/23/2009	3.0	6.8	8.0
	4/19/2010	3.0	13.2	15.6
	6/15/2010	4.0	15.4	19.3
AS-23A				
	7/14/2009	4.0	8.0	10.0
	8/24/2009	7.0	10.0	14.5
	9/2/2009	6.0	9.0	12.4
	10/23/2009	3.0	5.1	6.0
	4/19/2010	6.5	8.1	11.4
	6/15/2010	12.0	12.2	21.7
AS-23B				
	7/15/2009	5.0	10.0	13.1
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.5	9.0	11.5
	10/23/2009	5.0	6.5	8.5
	4/19/2010	5.0	13.2	17.3
	6/16/2010	7.0	17.3	25.1
AS-23C				
	7/14/2009	3.5	10.0	12.1
	8/24/2009	4.0	10.0	12.5
	9/2/2009	4.5	9.0	11.5
	10/23/2009	6.0	6.0	8.3
	4/19/2010	4.0	7.7	9.6
	6/15/2010	16.0	2.4	4.9
AS-23D				
	7/15/2009	4.5	9.0	11.5
	8/24/2009	8.0	10.0	15.2
	9/2/2009	7.0	5.5	8.0
	9/11/2009	14.0	3.0	5.7
	10/23/2009	8.5	0.0	0.0
	4/19/2010	12.0	3.7	6.6
	6/15/2010	16.0	4.9	10.0
AS-24A				
	7/14/2009	6.0	4.5	6.2
	8/24/2009	11.0	0.0	0.0
	9/2/2009	11.5	4.5	7.9
	10/23/2009	5.0	0.0	0.0
	4/19/2010	15.0	4.6	9.1
	6/15/2010	17.0	3.4	7.2

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-24B				
	7/15/2009	3.0	9.0	10.6
	8/24/2009	8.0	10.0	15.2
	9/2/2009	8.0	8.0	12.1
	10/23/2009	6.0	5.4	7.5
	4/19/2010	9.0	6.1	9.6
	6/16/2010	15.0	12.8	25.3
AS-24C				
	7/14/2009	4.5	10.0	12.8
	8/24/2009	6.0	10.0	13.8
	9/2/2009	8.0	8.0	12.1
	10/23/2009	9.0	6.0	9.5
	4/19/2010	11.0	9.5	16.2
	6/15/2010	12.0	11.1	19.9
AS-24D				
	7/15/2009	6.5	6.0	8.5
	8/24/2009	9.5	6.0	9.7
	9/2/2009	8.0	7.0	10.6
	9/11/2009	11.5	7.5	13.1
	10/23/2009	5.0	6.5	8.5
	4/19/2010	10.0	6.1	10.1
	6/15/2010	11.0	12.2	20.9
AS-25A				
	7/14/2009	5.0	10.0	13.1
	8/24/2009	6.5	10.0	14.1
	9/2/2009	10.0	7.0	11.5
	10/23/2009	8.5	0.0	0.0
	4/19/2010	15.0	4.6	9.1
	6/15/2010	17.0	3.4	7.2
AS-25B				
	7/15/2009	4.5	10.0	12.8
	8/24/2009	10.0	5.0	8.2
	9/2/2009	13.0	4.0	7.4
	10/23/2009	7.0	6.0	8.7
	4/19/2010	15.0	4.9	9.6
	6/16/2010	16.0	10.0	20.5
AS-25C				
	7/14/2009	9.0	3.0	4.7
	8/24/2009	13.0	0.0	0.0
	9/2/2009	15.0	3.0	5.9
	10/23/2009	8.0	2.0	3.0
	4/19/2010	14.5	0.0	0.0
	6/15/2010	15.0	0.0	0.0
AS-25D				
	7/15/2009	4.0	8.5	10.6
	8/24/2009	5.0	10.0	13.1
	9/2/2009	6.0	10.0	13.8

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-25D				
	9/11/2009	3.0	10.0	11.8
	10/23/2009	5.0	0.0	0.0
	4/19/2010	12.0	3.4	6.1
	6/15/2010	16.0	4.9	10.0
AS-26A				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	6.0	10.0	13.8
	9/2/2009	6.0	9.0	12.4
	10/23/2009	3.5	7.4	9.0
	4/19/2010	6.0	11.1	15.4
	6/15/2010	11.5	13.2	23.1
AS-26B				
	7/15/2009	5.0	8.5	11.2
	8/24/2009	11.0	4.0	6.9
	9/2/2009	11.0	7.5	12.9
	10/23/2009	10.0	0.0	0.0
	4/19/2010	14.5	4.9	9.6
	6/16/2010	19.0	4.5	10.1
AS-26C				
	7/14/2009	3.5	10.0	12.1
	8/24/2009	6.0	10.0	13.8
	9/2/2009	14.0	6.0	11.5
	10/23/2009	9.0	0.0	0.0
	4/19/2010	10.0	10.1	16.7
	6/15/2010	12.0	11.1	19.9
AS-26D				
	7/15/2009	5.0	9.0	11.8
	8/24/2009	7.0	9.5	13.8
	9/2/2009	5.5	7.5	10.1
	9/11/2009	5.0	10.0	13.1
	10/23/2009	4.0	7.0	8.7
	4/19/2010	7.0	10.1	14.7
	6/15/2010	9.0	8.7	13.8
AS-27A				
	7/14/2009	6.0	8.5	11.7
	8/24/2009	10.0	5.0	8.2
	9/2/2009	8.0	8.0	12.1
	10/23/2009	7.0	5.0	7.2
	4/19/2010	6.0	11.1	15.4
	6/15/2010	1.0	4.0	4.2
AS-27B				
	7/15/2009	4.0	10.0	12.5
	8/24/2009	2.5	10.0	11.5
	9/2/2009	4.0	10.0	12.5
	10/23/2009	3.5	6.0	7.3
	4/19/2010	3.0	8.1	9.6

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-27B				
	6/16/2010	19.5	4.4	10.0
AS-27C				
	7/14/2009	4.5	10.0	12.8
	8/24/2009	6.5	7.0	9.9
	9/2/2009	15.0	3.5	6.9
	10/23/2009	8.0	0.0	0.0
	4/19/2010	13.0	5.8	10.6
	6/15/2010	16.0	2.4	4.9
AS-27D				
	7/15/2009	5.5	8.0	10.8
	8/24/2009	8.5	3.0	4.6
	9/2/2009	10.5	6.0	10.1
	9/11/2009	12.0	7.0	12.5
	10/23/2009	6.0	5.8	8.0
	4/19/2010	11.0	5.1	8.7
	6/15/2010	12.0	11.1	19.9
AS-28A				
	7/14/2009	3.0	10.0	11.8
	8/24/2009	6.0	9.0	12.4
	9/2/2009	10.0	6.0	9.9
	10/23/2009	8.0	0.0	0.0
	4/19/2010	15.0	0.0	0.0
	6/15/2010	16.0	3.5	7.2
AS-28B				
	7/15/2009	1.0	10.0	10.5
	8/24/2009	2.0	10.0	11.1
	9/2/2009	3.0	10.0	11.8
	10/23/2009	2.0	10.0	11.1
	4/19/2010	3.0	14.6	17.2
	6/16/2010	1.0	4.0	4.2
	7/30/2010	4.0	16.5	20.6
AS-28C				
	7/14/2009	7.5	6.0	8.9
	8/24/2009	10.0	7.0	11.5
	9/2/2009	15.0	3.0	5.9
	10/23/2009	10.0	0.0	0.0
	4/19/2010	15.0	0.0	0.0
	6/15/2010	15.0	0.0	0.0
AS-28D				
	7/15/2009	4.0	8.0	10.0
	8/24/2009	9.0	7.0	11.1
	9/2/2009	8.0	7.0	10.6
	9/11/2009	10.0	7.0	11.5
	10/23/2009	3.0	6.0	7.1
	4/19/2010	7.0	7.1	10.2
	6/15/2010	4.5	2.3	2.9

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-29A				
	7/14/2009	7.0	4.0	5.8
	8/24/2009	10.0	5.0	8.2
	9/2/2009	8.5	6.0	9.3
	10/23/2009	7.0	5.5	8.0
	4/19/2010	11.0	6.1	10.4
	6/15/2010	6.0	3.7	5.1
AS-29B				
	7/15/2009	2.5	8.0	9.2
	8/24/2009	6.0	10.0	13.8
	9/2/2009	8.5	7.0	10.8
	10/23/2009	8.0	0.0	0.0
	4/19/2010	7.0	7.1	10.2
	6/16/2010	18.0	6.1	13.3
AS-29C				
	7/14/2009	7.0	6.0	8.7
	8/24/2009	8.5	8.5	13.2
	9/2/2009	10.0	7.0	11.5
	10/23/2009	8.0	0.0	0.0
	4/19/2010	13.0	6.3	11.7
	6/15/2010	16.0	2.4	4.9
AS-29D				
	7/15/2009	5.0	8.0	10.5
	8/24/2009	7.0	9.8	14.1
	9/2/2009	7.0	7.0	10.1
	9/11/2009	12.5	5.5	10.0
	10/23/2009	9.0	0.0	0.0
	4/19/2010	8.0	7.1	10.7
	6/15/2010	12.0	4.0	7.2
AS-30A				
	7/14/2009	4.5	10.0	12.8
	8/24/2009	9.0	7.0	11.1
	9/2/2009	6.0	9.0	12.4
	10/23/2009	6.0	6.0	8.3
	4/19/2010	10.0	6.1	10.0
	6/15/2010	17.0	3.4	7.2
AS-30B				
	7/15/2009	7.5	6.0	8.9
	8/24/2009	NR	NR	NR
	9/2/2009	13.0	3.0	5.5
	10/23/2009	8.0	0.0	0.0
	4/19/2010	14.0	4.2	8.1
	6/16/2010	20.0	1.3	3.0
AS-30C				
	7/14/2009	4.0	10.0	12.5
	8/24/2009	8.0	8.0	12.1
	9/2/2009	8.0	8.0	12.1

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID		Pressure (psi)	Flow (acfm)	Flow (scfm)
AS-30C				
	10/23/2009	6.0	6.0	8.3
	4/19/2010	9.0	9.1	14.4
	6/15/2010	3.0	3.4	4.1
AS-30D				
	7/15/2009	5.0	8.0	10.5
	8/24/2009	6.0	10.0	13.8
	9/2/2009	8.0	7.0	10.6
	9/11/2009	14.0	3.3	6.2
	10/23/2009	6.0	0.0	0.0
	4/19/2010	9.5	7.4	12.0
	6/15/2010	15.0	6.1	12.2
AS-31A				
	7/14/2009	2.0	10.0	11.1
	8/24/2009	5.0	10.0	13.1
	9/2/2009	8.0	7.0	10.6
	10/23/2009	8.0	0.0	0.0
	4/19/2010	11.0	9.1	15.6
	6/15/2010	17.0	3.4	7.2
AS-31B				
	7/15/2009	3.0	10.0	11.8
	8/24/2009	6.0	10.0	13.8
	9/2/2009	5.0	8.0	10.5
	10/23/2009	7.0	4.0	5.8
	4/19/2010	10.0	6.1	10.0
	6/16/2010	20.0	4.3	10.0
AS-31C				
	7/14/2009	5.5	9.5	12.8
	8/24/2009	6.0	8.0	11.1
	9/2/2009	14.0	4.0	7.7
	10/23/2009	10.0	0.0	0.0
	4/19/2010	14.0	0.0	0.0
	6/15/2010	16.0	2.4	4.9
AS-31D				
	7/15/2009	3.5	9.5	11.5
	8/24/2009	5.0	10.0	13.1
	9/2/2009	5.0	8.0	10.5
	9/11/2009	13.0	6.0	11.1
	10/23/2009	8.0	0.0	0.0
	4/19/2010	7.0	11.1	16.1
	6/15/2010	5.0	3.3	4.4

Table 4
Air Sparge Well Air Flow Data

Dover Municipal Landfill Superfund Site, Dover, NH

AS Well ID	Pressure (psi)	Flow (acfm)	Flow (scfm)

Notes:

psi = pounds per square inch
acfm = actual cubic feet per minute
scfm = standard cubic feet per minute
Equation for converstion of acfm to scfm = (flow [in acfm])*[(14.7+pressure [in psi]/14.7]*[520/(460+70 deg. F)
NR = data not recorded
The initial system start date was August 10, 2009 and all data collected prior to then was a component of either startup/shake down or compliance sampling.
Initial Design Flow Rate = 10 scfm
Suffix A, B, C, D = legs of system in the volatile organic compound treatment area
Suffix E = E leg of system in the perimeter treatment curtain

Table 5
Soil Vapor Extraction Well Air Flow Data
Dover Municipal Landfill Superfund Site, Dover, NH

	SVE Well ID	Vacuum (in. H2O)	Differential Pressure (in. H2O)	Flow (scfm)	Total VOCs (ppmv)
6/23/2009					
	SVE-01	3.4	0.94	53.02	7.0
	SVE-02	2.8	0.88	51.34	10.5
	SVE-03	2.2	0.65	44.15	19.8
	SVE-04	2.2	0.22	25.69	19.3
	SVE-05	2.2	0.04	10.95	9.4
	SVE-06	1.4	0.14	20.51	5.5
	SVE-07	4.6	2.00	77.22	12.2
	SVE-08	3.8	0.20	24.44	54.8
	SVE-09	3	0.10	17.30	909.0
	SVE-10	2.2	0.12	18.97	2,875.0
	SVE-11	1.6	0.26	27.95	178.0
	SVE-12	1.2	0.18	23.26	76.2
	SVE-13	7.8	0.20	24.32	507.0
	SVE-14	5.8	0.70	45.62	631.0
	SVE-15	5.8	0.22	25.57	525.0
	SVE-16	5.4	0.26	27.81	4,221.0
	SVE-16	5.4	0.16	21.82	4,221.0
	SVE-17	4.8	0.30	29.90	3,306.0
	SVE-18	5	0.38	33.64	35.0
	SVE-19	5.8	0.08	15.42	118.0
	SVE-20	4.8	0.24	26.74	100.0
	SVE-21	1.2	0.14	20.52	7.3
	SVE-22	1.6	0.04	10.96	10.3
	SVE-23	1.4	0.08	15.51	36.2
7/6/2009					
	SVE-01	1.4	0.30	30.03	nm
	SVE-02	1.2	0.28	29.01	nm
	SVE-03	1.3	0.30	30.03	nm
	SVE-04	1.4	0.26	27.95	nm
	SVE-05	6.8	0.02	7.70	nm
	SVE-06	2	0.30	30.00	nm
	SVE-07	1	0.26	27.97	nm
	SVE-08	5	0.32	30.87	nm
	SVE-09	8.2	0.34	31.70	nm
	SVE-10	2.5	0.20	24.48	nm

Table 5
Soil Vapor Extraction Well Air Flow Data
Dover Municipal Landfill Superfund Site, Dover, NH

	SVE Well ID	Vacuum (in. H2O)	Differential Pressure (in. H2O)	Flow (scfm)	Total VOCs (ppmv)
7/6/2009					
	SVE-11	1.4	0.30	30.03	nm
	SVE-12	1.6	0.24	26.85	nm
	SVE-13	0.1	0.30	30.07	nm
	SVE-14	3.2	0.27	28.42	nm
	SVE-15	6	0.24	26.70	nm
	SVE-16	6	0.24	26.70	nm
	SVE-17	3.4	0.22	25.65	nm
	SVE-18	3.8	0.26	27.87	nm
	SVE-19	9	0.20	24.29	nm
	SVE-20	5.8	0.36	32.71	nm
	SVE-21	1	0.20	24.53	nm
	SVE-22	5	0.16	21.83	nm
	SVE-23	4.4	0.24	26.76	nm
	SVE-24	5	0.02	7.72	nm
	SVE-25	4.8	0.06	13.37	nm
	SVE-26	4.8	0.02	7.72	nm
	SVE-27	4.7	0.06	13.37	nm
	SVE-28	5	0.04	10.91	nm
	SVE-29	5	0.06	13.37	nm
	SVE-30	4.8	0.06	13.37	nm
	SVE-31	4.6	0.08	15.44	nm
8/21/2009					
	SVE-01	1.65	0.25	27.40	42.6
	SVE-02	1.05	0.25	27.42	203.0
	SVE-03	1.15	0.25	27.42	499.0
	SVE-04	1.25	0.25	27.41	54.6
	SVE-05	4.75	0.15	21.14	231.0
	SVE-06	1.6	0.25	27.40	26.0
	SVE-07	1	0.30	30.04	268.0
	SVE-08	6	0.25	27.25	1,020.0
	SVE-09	5.8	0.30	29.86	1,650.0
	SVE-10	3	0.30	29.97	3,450.0
	SVE-11	1.05	0.25	27.42	1,030.0
	SVE-12	0.9	0.20	24.53	611.0
	SVE-13	10	0.25	27.12	1,040.0

Table 5
Soil Vapor Extraction Well Air Flow Data
Dover Municipal Landfill Superfund Site, Dover, NH

	SVE Well ID	Vacuum (in. H2O)	Differential Pressure (in. H2O)	Flow (scfm)	Total VOCs (ppmv)
8/21/2009					
	SVE-14	2	0.25	27.39	1,370.0
	SVE-15	6.5	0.30	29.84	4,000.0
	SVE-16	4	0.25	27.32	4,000.0
	SVE-17	3	0.17	22.56	2,480.0
	SVE-18	5	0.30	29.89	547.0
	SVE-19	8.5	0.28	28.75	320.0
	SVE-20	7	0.26	27.76	204.0
	SVE-21	1.1	0.30	30.04	29.0
	SVE-22	4.5	0.22	25.61	59.2
	SVE-23	2	0.30	30.00	69.4
	SVE-24	4.5	0.05	12.21	15.5
	SVE-25	4.5	0.05	12.21	10.3
	SVE-26	4.5	0.05	12.21	163.0
	SVE-27	4.5	0.05	12.21	6.5
	SVE-28	4.5	0.05	12.21	13.3
	SVE-29	2	0.05	12.25	55.4
	SVE-30	4.5	0.05	12.21	8.2
	SVE-31	4.5	0.05	12.21	6.1
10/23/2009					
	SVE-01	2.2	0.30	30.00	20.0
	SVE-02	1.35	0.25	27.41	4.2
	SVE-03	1.75	0.30	30.01	439.0
	SVE-04	1.9	0.38	33.55	70.4
	SVE-05	8	0.20	24.32	61.0
	SVE-06	2.05	0.40	34.64	27.2
	SVE-07	0.85	0.32	31.27	254.0
	SVE-08	7.6	0.32	31.01	351.0
	SVE-09	8.2	0.25	27.18	1,093.0
	SVE-10	3.8	0.40	34.57	3,334.0
	SVE-11	1.65	0.45	36.76	593.0
	SVE-12	1.3	0.40	34.67	636.0
	SVE-13	10	0.30	29.71	966.0
	SVE-14	3	0.25	27.36	1,822.0
	SVE-15	10	0.30	29.71	4,709.0
	SVE-16	8	0.25	27.19	3,031.0

Table 5
Soil Vapor Extraction Well Air Flow Data
Dover Municipal Landfill Superfund Site, Dover, NH

	SVE Well ID	Vacuum (in. H2O)	Differential Pressure (in. H2O)	Flow (scfm)	Total VOCs (ppmv)
10/23/2009					
	SVE-17	3.6	0.25	27.33	1,917.0
	SVE-18	6	0.38	33.38	373.0
	SVE-19	10	0.25	27.12	951.0
	SVE-20	8	0.20	24.32	72.7
	SVE-21	1.35	0.45	36.78	10.0
	SVE-22	7	0.25	27.22	84.6
	SVE-23	0.2	0.05	12.28	897.0
	SVE-24	6.6	0.05	12.18	7.4
	SVE-25	-	-	-	nm
	SVE-26	-	-	-	nm
	SVE-27	5.8	0.05	12.19	17.3
	SVE-28	6.4	0.05	12.18	0.4
	SVE-29	6.6	0.05	12.18	12.7
	SVE-30	6.4	0.05	12.18	3.0
	SVE-31	6.4	0.05	12.18	29.7
6/15/2010					
	SVE-01	0.3	0.02	7.76	33.8
	SVE-02	0.35	0.05	12.27	48.0
	SVE-03	0.4	0.05	12.27	196.0
	SVE-04	0.35	0.02	7.76	30.2
	SVE-05	5.5	0.05	11.57	33.5
	SVE-06	0.6	0.04	10.27	14.1
	SVE-07	0.35	0.05	12.27	67.9
	SVE-08	3	0.04	10.24	262.0
	SVE-09	13	0.65	43.56	455.0
	SVE-10	9	1.30	61.91	2,149.0
	SVE-11	1.75	0.40	34.66	487.0
	SVE-12	2	0.35	32.41	323.0
	SVE-13	25	0.10	16.82	255.0
	SVE-14	18	2.75	89.03	692.0
	SVE-15	22	0.20	23.89	3,129.0
	SVE-16	18	0.75	46.49	1,806.0
	SVE-17	14	1.25	60.33	990.0
	SVE-18	2	0.05	12.25	176.0
	SVE-19	18	0.05	12.00	1,296.0

Table 5
Soil Vapor Extraction Well Air Flow Data
Dover Municipal Landfill Superfund Site, Dover, NH

	SVE Well ID	Vacuum (in. H2O)	Differential Pressure (in. H2O)	Flow (scfm)	Total VOCs (ppmv)
6/15/2010					
	SVE-20	6	0.05	12.19	106.0
	SVE-21	1	0.01	5.48	127.0
	SVE-22	7	0.03	8.61	19.6
	SVE-23	7	0.45	36.52	105.0
	SVE-24	9	0.01	5.43	39.8
	SVE-25	9	0.01	5.43	124.0
	SVE-26	9	0.01	5.43	14.8
	SVE-27	7	0.05	12.17	13.6
	SVE-28	9	0.01	5.43	34.8
	SVE-29	9	0.01	5.43	24.2
	SVE-30	9	0.03	9.41	11.1
	SVE-31	18	0.05	11.39	47.7

Notes:

SVE = soil vapor extraction
VOCs = volatile organic compounds
in. H2O = inches of water
scfm = standard cubic feet per minute
ppmv = parts per million by volume
nm = not measured

1. Vacuum and differential pressure measured in the field using a Dwyer DS-300 for a 2-inch-diameter pipe . Flow was calculated from the field measurements.
2. Total VOCs were measured in the field using a photoionization detector.
3. During the June 2009 field event, total VOCs were measured on June 26, 2009 due to weather conditions/equipment malfunction.
4. During the October 2009 field event, SVE-25 and SVE-26 contained water so no air flow or VOC measurements were recorded.

SVE-01 through SVE-23 Design Flow Rate per the Workplan = 25 scfm.
SVE-24 through SVE-31 Design Flow Rate per the Workplan = 12.5 scfm.
SVE operations were initiated on July 6, 2009; AS and SVE operations were initiated on August 10, 2009.

Table 6
Process Monitoring

Dover Municipal Landfill Superfund Site, Dover, NH

Date	Event Type	SVE Total Air Flow (scfm)	SVE Vacuum (in. Hg)	SVE Disc. Temp. (deg. F)	SVE Total Runtime (hrs)	Air Sparge PTC- Total Air Flow (scfm)	Air Sparge PTC- Pressure (psi)	Air Sparge PTC- Disc. Temp. (deg. F)	Air Sparge PTC- Total Runtime (hrs)	Air Sparge VOCTA- Total Air Flow (scfm)	Air Sparge VOCTA- Pressure (psi)	Air Sparge VOCTA-Disc. Temp. (deg. F)	Air Sparge VOCTA-Total Runtime* (hrs)	Transfer Pump - Total Runtime^ (hrs)
7/7/2009	A	753	5	113	238	NR	NR	NR	NR	NR	NR	NR	NR	NR
7/10/2009	A	743	6	84	315	NR	NR	NR	NR	NR	NR	NR	NR	4
7/13/2009	A	740	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
7/14/2009	A	750	NR	130	NR	NR	NR	NR	NR	440	7	92	NR	NR
7/17/2009	A	738	6	139	428	NR	NR	NR	21	NR	NR	NR	40	9
7/21/2009	A	767	6	107	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
7/22/2009	A	759	6	144	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
7/23/2009	A	761	5	82	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
7/31/2009	A	745	6	125	584	NR	NR	NR	NR	454	9	92	53	9
8/4/2009	A	742	5	128	NR	NR	NR	NR	NR	430	11	93	NR	NR
8/10/2009	B	730	4	140	762	100	10	140	125	380	10	110	288	6
8/21/2009	B	725	3	150	993	100	11	145	194	420	9	114	675	6
8/31/2009	A	725	3	134	1,162	100	12	120	236	421	12	101	998	9
9/4/2009	A	733	3	132	1,242	100	13	115	262	404	13	99	1,155	9
9/11/2009	B	730	4	125	1,405	105	13	130	308	380	18	94	1,488	6
9/18/2009	A	722	3	130	1,562	100	12	120	400	397	15	95	1,789	10
9/25/2009	B	730	4	135	1,675	100	13	120	427	380	18	83	2,025	7
10/2/2009	B	746	3	122	1,699	100	13	116	1,035	406	18	90	2,071	7
10/9/2009	B	725	3	130	1,814	100	13	116	477	339	19	93	2,286	10

Table 6
Process Monitoring

Dover Municipal Landfill Superfund Site, Dover, NH

Date	Event Type	SVE Total Air Flow (scfm)	SVE Vacuum (in. Hg)	SVE Disc. Temp. (deg. F)	SVE Total Runtime (hrs)	Air Sparge PTC- Total Air Flow (scfm)	Air Sparge PTC- Pressure (psi)	Air Sparge PTC- Disc. Temp. (deg. F)	Air Sparge PTC- Total Runtime (hrs)	Air Sparge VOCTA- Total Air Flow (scfm)	Air Sparge VOCTA- Pressure (psi)	Air Sparge VOCTA-Disc. Temp. (deg. F)	Air Sparge VOCTA-Total Runtime* (hrs)	Transfer Pump - Total Runtime^ (hrs)
10/16/2009	B	745	3	115	1,914	100	5	107	537	457	10	77	2,479	11
10/22/2009	A	740	4	120	2,059	100	14	115	560	450	11	70	2,782	8
10/30/2009	B	735	3	127	2,241	97	9	110	613	473	9	82	3,133	13
11/9/2009	B	738	3	130	2,481	99	10	117	676	481	8	86	3,613	14
11/13/2009	B	736	3	126	2,577	96	6	108	699	378	18	82	3,803	15
11/20/2009	B	754	3	122	2,745	96	12	124	742	448	11	91	4,140	16
11/23/2009	A	750	4	120	2,825	NR	NR	NR	NR	370	20	73	4,314	10
4/21/2010	A	750	3	125	2,862	NR	NR	NR	768	400	9	94	2,195	10
4/30/2010	B	749	3	127	3,004	NR	NR	NR	NR	353	18	102	2,327	86
5/7/2010	B	760	3	120	3,168	NR	NR	NR	NR	467	9	84	2,490	86
5/14/2010	B	747	3	118	3,336	NR	NR	NR	NR	471	9	85	2,659	86
5/27/2010	A	740	3	130	3,524	NR	NR	NR	920	320	5	93	2,855	27
6/4/2010	B	732	3	140	3,718	NR	NR	NR	NR	465	8	110	3,040	87
6/11/2010	B	751	3	134	3,854	93	13	131	992	397	15	105	3,175	87
6/15/2010	A	750	3	170	3,926	NR	9	120	1,002	450	6	100	3,258	28
6/17/2010	A	700	3	150	3,953	NR	12	120	1,011	280	17	90	3,288	29
6/18/2010	B	701	3	140	3,978	NR	NR	NR	1,031	376	10	112	3,296	87
6/25/2010	B	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
6/29/2010	B	710	3	137	NR	NR	NR	NR	NR	278	9	117	NR	87

Table 6
Process Monitoring

Dover Municipal Landfill Superfund Site, Dover, NH

Date	Event Type	SVE Total Air Flow (scfm)	SVE Vacuum (in. Hg)	SVE Disc. Temp. (deg. F)	SVE Total Runtime (hrs)	Air Sparge PTC- Total Air Flow (scfm)	Air Sparge PTC- Pressure (psi)	Air Sparge PTC- Disc. Temp. (deg. F)	Air Sparge PTC- Total Runtime (hrs)	Air Sparge VOCTA- Total Air Flow (scfm)	Air Sparge VOCTA- Pressure (psi)	Air Sparge VOCTA-Disc. Temp. (deg. F)	Air Sparge VOCTA-Total Runtime* (hrs)	Transfer Pump - Total Runtime^ (hrs)
7/12/2010	B	721	3	144	4,282	97	12	143	1,066	364	10	117	3,600	87
7/16/2010	B	710	3	141	4,368	NR	NR	NR	NR	274	17	108	3,685	88
7/22/2010	A	700	3	145	4,509	86	NR	100	1,072	290	13	106	3,837	29
7/23/2010	B	706	3	143	4,529	NR	NR	NR	1,093	262	17	110	3,846	88
7/30/2010	B	713	3	143	4,681	85	11	137	1,135	280	16	113	3,995	89
8/6/2010	B	718	3	136	4,824	79	10	129	1,173	245	19	103	4,140	89
8/20/2010	B	711	3	147	4,947	NR	NR	NR	1,098	308	14	111	4,272	30
8/26/2010	A	700	NR	145	5,091	NR	NR	NR	1,092	290	15	109	4,416	31
9/3/2010	B	703	3	145	5,187	NR	NR	NR	1,159	NR	NR	NR	4,429	48
9/10/2010	B	733	3	137	5,354	NR	NR	NR	1,200	NR	NR	NR	4,429	49
9/17/2010	B	760	3	119	5,488	82	10	108	1,234	NR	NR	NR	4,429	50
9/24/2010	B	743	3	137	5,656	NR	NR	NR	1,276	NR	NR	NR	4,429	50

Table 6
Process Monitoring

Dover Municipal Landfill Superfund Site, Dover, NH

Date	Event Type	SVE Total Air Flow (scfm)	SVE Vacuum (in. Hg)	SVE Disc. Temp. (deg. F)	SVE Total Runtime (hrs)	Air Sparge PTC- Total Air Flow (scfm)	Air Sparge PTC- Pressure (psi)	Air Sparge PTC- Disc. Temp. (deg. F)	Air Sparge PTC- Total Runtime (hrs)	Air Sparge VOCTA- Total Air Flow (scfm)	Air Sparge VOCTA- Pressure (psi)	Air Sparge VOCTA-Disc. Temp. (deg. F)	Air Sparge VOCTA-Total Runtime* (hrs)	Transfer Pump - Total Runtime^ (hrs)

Notes:

SVE = soil vapor extraction
in. Hg = inches of mercury
deg. F = degress Fahrenheit
hrs = hours
scfm = standard cubic feet per minute
psi = pounds per square inch
ppmv = parts per million by volume
PTC = Perimeter Treatment Curtain
VOCTA = Volatile Organic Carbon Treatment Area
NR = not recorded
Disc. Temp. = discharge temperature

A = Recorded during site visit
B = Recorded during telemetry status check

The flow rate readings for the VOCTA recorded via telemetry in August and September 2009 [Event Type B] are biased high due to the unit's calibration. More accurate flow rates were were recored during site visits [Event Type A].
Start date for system was 8/10/09.

* = Two air compressors provide sparge air to the VOCTA. The air sparge runtime for the VOCTA is an average value of the two air compressors.
^ = Total runtime hours for the transfer pump differ between the site visit readings and telemetry readings; site visit readings are assumed to be more accurate.

Table 7
SVE Discharge VOC Concentrations

Dover Municipal Landfill Superfund Site, Dover, NH

Sample Event	Sample Date	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride
		(Concentrations are reported in ppmv)															
Maximum Allowable Stack Concentration		7,829	15,644	109,359	44,031	4,413	364,517	364,554	318	11,017	11,017	156	20,726	15,579	31,232	31,232	234
SVE	6/19/2009	43	9.2	5.9	14.0	1.4	410	0.8	71.0	1.5	0.7	0.6 U	9.4	140	25	6.2	84
SVE	7/6/2009	58	8.5	4.0	7.4	0.5	210	0.5	13.0	3.7	1.4	0.3 U	11.0	120	31	8.4	40
AS/SVE (Line A)	7/14/2009	76	10.0	10.0	9.3	0.6	200	0.5	21.0	4.1	1.7	0.3	14.0	140	38	10.0	46
AS/SVE (Line C)	7/14/2009	84	11.0	16.0	10.0	0.8	230	0.6	21.0	4.2	1.8	0.5 U	15.0	160	42	11.0	52
AS/SVE (Line B)	7/15/2009	72	9.4	14.0	8.4	0.6	180	0.5	18.0	3.7	1.5	0.3 U	13.0	130	35	9.8	39
AS/SVE (Line D)	7/15/2009	76	9.9	12.0	9.2	0.6	190	0.5	21.0	3.9	1.6	0.3 U	13.0	140	36	10.0	43
AS/SVE (Line E)	7/27/2009	40 J	8.1	4.0	5.4	0.3	130	0.4	6.2	3.8	1.4	0.2 U	11.0	110	32	9.0	28
SVE	8/14/2009	68	8.9	13.0	7.6	0.4 U	130	0.4	6.0	2.2	1.1	0.4 U	8.6	100	25	7.2	36
AS/SVE (Line D)	8/21/2009	140	12.0	26.0	13.0	1.1 U	200	1.1 U	6.6	6.3	3.0	1.1 U	17.0	190	53	16.0	65
AS/SVE (Line B)	9/25/2009	140	11.0	14.0	6.5	1.0 U	110	1.0 U	3.9	4.9	2.6	1.0 U	11.0	140	40	12.0	30
AS/SVE (Lines A&D)	10/22/2009	120	8.4	8.2	4.4	1.0 U	70	1.0 U	2.4	4.6	2.5	1.0 U	9.0	100	35	12.0	19
AS/SVE (Lines B&C)	11/24/2009	140	9.9	9.0	3.9	0.2	60	0.2	2.2	7.2	3.9	0.2 U	10.0	78	41	16.0	18
AS/SVE (Line B)	4/21/2010	59	9.5	7.2	6.4	0.4	87	0.6	77.0	1.0	0.7	0.1 U	3.7	56	13	4.1	24
AS/SVE (Lines B&D)	5/27/2010	100	6.9	6.3	2.8	0.1 U	42	0.2	4.2	2.4	1.7	0.1 U	3.8	42	16	6.7	10
AS/SVE (Line B)	6/15/2010	90	5.9	4.9	2.4	0.1 U	36	0.2	6.0	1.9	1.3	0.1 U	3.2	30	13	5.5	8

Table 7
SVE Discharge VOC Concentrations

Dover Municipal Landfill Superfund Site, Dover, NH

Sample Event	Sample Date	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride
		(Concentrations are reported in ppmv)															
Maximum Allowable Stack Concentration		7,829	15,644	109,359	44,031	4,413	364,517	364,554	318	11,017	11,017	156	20,726	15,579	31,232	31,232	234
AS/SVE (Line B)	6/17/2010	150	9.6	6.6	3.4	0.3 U	59	0.3	5.2	3.4	2.2	0.3 U	5.8	58	26	10.0	16
AS/SVE (Line A)	7/22/2010	160	12.0	6.1	3.2	0.3 U	54	0.3 U	5.1	6.3	3.8	0.3 U	8.3	68	34	13.0	14
AS/SVE (Line B)	8/26/2010	210	15.0	8.4	4.0	0.3 U	51	0.3	4.8	7.8	4.7	0.3 U	12.0	91	42	17.0	18

Notes:

Sample Event Designation SVE = Sample collected during operation of soil vapor extraction system only
Sample Event Designation AS/SVE (Line X) = Sample collected during operation of both the soil vapor extraction and air sparging systems (applicable air sparging system leg indicated in parantheses)
SVE = soil vapor extraction
VOC = volatile organic compound
ppmv = parts per million by volume
U = compound was not detected at the indicated concentration
PCE = tetrachloroethene
TCE = trichloroethene
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
J = estimated value

Table 8
Vapor Probe Data
Dover Municipal Landfill Superfund Site, Dover, NH

	Vapor Probe ID	Vacuum (in. H2O)	Total VOCs (ppmv)	Methane (%)
6/18/2009				
	VP-01	0	2.7	-
	VP-02	0	2.4	-
	VP-03	0	8.6	-
	VP-04	0	7.7	-
	VP-05	0	18.6	1.4
	VP-06	0	3.1	60.5
8/21/2009				
	VP-01	0.04	-	-
	VP-02	0	-	-
	VP-03	0.18	-	-
	VP-04	0.4	-	-
	VP-05	0.1	14.2	0.4
	VP-06	0.02	0.7	0.4
9/25/2009				
	VP-01	0.04	-	-
	VP-02	0	-	-
	VP-03	0.18	-	-
	VP-04	0.38	-	-
10/8/2009				
	VP-05	0.08	2	0
	VP-06	0.1	18.6	0.1
10/23/2009				
	VP-01	0.05	-	-
	VP-02	0	-	-
	VP-03	0.1	-	-
	VP-04	0.35	-	-
	VP-05	0	13.9	0
	VP-06	0.065	7.2	0
11/24/2009				
	VP-01	0	-	-
	VP-02	0.005	-	-
	VP-03	0.005	-	-
	VP-04	0.01	-	-
	VP-05	0	0.2	0
	VP-06	0.05	0.2	0
4/2/2010				
	VP-01	0	1.5	-

Table 8
Vapor Probe Data

Dover Municipal Landfill Superfund Site, Dover, NH

	Vapor Probe ID	Vacuum (in. H2O)	Total VOCs (ppmv)	Methane (%)
	VP-02	0	2.5	-
	VP-03	0	2.7	-
	VP-04	0	2.5	-
	VP-05	0	0.7	0.5
	VP-06	0	2.4	57.2
6/15/2010				
	VP-01	0.155	0.3	-
	VP-02	0.205	0	-
	VP-03	0.185	42.7	-
	VP-04	0.35	0.2	-
	VP-05	0.01	0.2	0.1
	VP-06	0.125	0.2	0
7/22/2010				
	VP-01	0.01	-	-
	VP-02	0	-	-
	VP-03	-0.015	-	-
	VP-04	-0.45	-	-
	VP-05	0	-	0
	VP-06	-0.13	-	0
8/26/2010				
	VP-01	-0.09	0.6	0.1
	VP-02	-0.02	2.5	0.1
	VP-03	0	96	0
	VP-04	-1	0.2	0.2
	VP-05	-0.005	0	0
	VP-06	-0.06	0	0

Notes:

VOCs = volatile organic compounds
in. H2O = inches of water
ppmv = parts per million by volume
% = percentage

Total VOCs were measured in the field using a photoionization detector.
- = per the work plan, parameter was not recorded.

During the September 25, 2009 Operations and Monitoring event, data could not be recorded at VP-05 and VP-06 due to equipment issues; these data were recorded during the next site visit, which occurred on October 8, 2009.

Table 9
Aqueous Carbon Treatment VOC Concentrations
Dover Municipal Landfill Superfund Site, Dover, NH

Sample Date	Sample	PCE	TCE	1,1,1-TCA	1,1-DCA	1,1-DCE	cis1,2-DCE	trans-1,2-DCE	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	Methylene chloride	1,4-Dioxane	MEK	2-Hex-anone	MIBK	Ace-tone	n-propyl-Benzene	THF
		(Concentrations are presented in ppb)																				
9/25/2009																						
	Carbon Inf.	1,600	190	120	150	10 U	3,500	20 U	140	78	61	2,400	700	480	1,300	700	1800	150	1100	820	20 U	240
	Carbon Eff	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U	50 U	10 U	10 U	10 U	50 U	2 U	10 U
10/22/2009																						
	Carbon Inf.	1,600	180	110	120	5 U	2,800	12	150	74	160	2,400	680	450	1,100	540	1100	50 U	780	370	11	210
	Carbon Eff	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U	50 U	10 U	10 U	10 U	50 U	2 U	10 U
11/23/2009																						
	Carbon Inf.	1,700	140	98	86	5 U	1,600	10 U	150	92	84	1,100	480	350	730	490	400	58	470	250 U	10 U	140
	Carbon Eff	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U	50 U	10 U	10 U	10 U	50 U	2 U	10 U
6/21/2010																						
	Carbon Inf.	1,900	190	53	68	5 U	1,700	13	29 J	91	10 U	510	240	430	710	400	220	79	680	250 U	10 U	140
	Carbon Eff	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U	50 U	10 U	10 U	10 U	50 U	2 U	54
7/22/2010																						
	Carbon Inf.	1,200	210	55	62	5 U	1,500	12	10 U	79	10 U	940	88 J	350	630	330	110	50 U	460	250 U	10 U	81
	Carbon Eff	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U	50 U	10 U	10 U	10 U	50 U	2 U	10 U

Notes:

VOC = volatile organic compound
Inf. = influent
Eff = effluent
ppb = parts per billion
U = compound was not detected at the indicated concentration
J = estimated concentration
PCE = tetrachloroethene
TCE = trichloroethene
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
MEK = methyl ethyl ketone
MIBK = methyl isobutyl ketone
THF = tetrahydrofuran
No sample was collected in August 2010 due to a lack of available water.

Table 10
Mass Removal Total
Dover Muncipal Landfill Superfund Site, Dover, NH

Sample ID	Operational System Component	Sample Date	Cumulative Run Time	Flow Rate	Tetrachloroethene			Trichloroethene			1,1,1-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			cis-1,2-Dichloroethene		
			hours	scfm	ppmv	lb/hr	total lbs	ppmv	lb/hr	total lbs	ppmv	lb/hr	total lbs	ppmv	lb/hr	total lbs	ppmv	lb/hr	Total lbs	ppmv	lb/hr	total lbs
Stack-042110-B	SVE - Startup	4/21/2010	0	750	59	1.124	NC	9.5	0.143	NC	7.2	0.110	NC	6.4	0.073	NC	0.4	0.005	NC	87	0.968	NC
Stack-052710-B&D	AS+SVE	5/27/2010	662	740	100	1.879	994	6.9	0.103	81	6.3	0.095	68	2.8	0.031	35	0.0	0.000	1.6	42	0.461	473
SVESTACK061510	AS+SVE	6/15/2010	1,064	750	90	1.714	723	5.9	0.089	39	4.9	0.075	34	2.4	0.027	12	0.0	0.000	0.0	36	0.400	173
SVESTACK061710	AS+SVE	6/17/2010	1,091	700	150	2.667	60	9.6	0.135	3	6.6	0.094	2	3.4	0.036	1	0.0	0.000	0.0	59	0.613	14
SVESTACK072210	AS+SVE	7/22/2010	1,647	700	160	2.844	1,531	12	0.169	84	6.1	0.087	51	3.2	0.034	19	0.0	0.000	0.0	54	0.561	326
SVESTACK082610	AS+SVE	8/26/2010	2,229	700	210	3.733	1,914	15	0.211	111	8.4	0.120	60	4.0	0.042	22	0.0	0.000	0.0	51	0.530	317
Total Mass Removed:							**5,221**			**318**			**216**			**89**			**2**			**1,303**

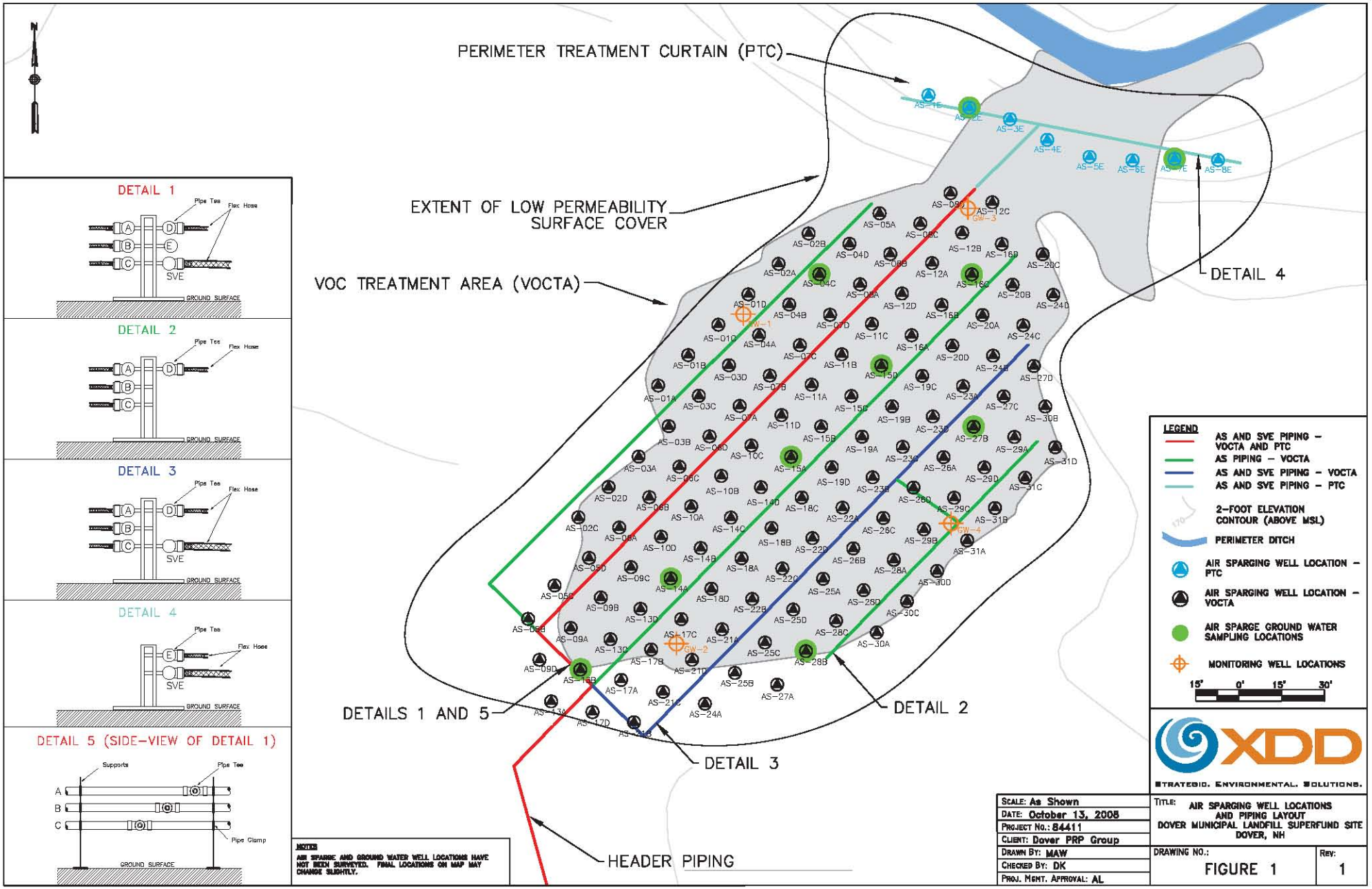
Sample ID	Operational System Component	Sample Date	Cumulative Run Time	Flow Rate	trans-1,2-Dichloroethene			Vinyl Chloride			1,2,4-Trimethylbenzene			1,3,5-Trimethylbenzene			Benzene			Ethylbenzene		
			hours	scfm	ppmv	lb/hr	total lbs	ppmv	lb/hr	Total lbs	ppmv	lb/hr	total lbs	ppmv	lb/hr	total lbs	ppmv	lb/hr	total lbs	ppmv	lb/hr	total lbs
Stack-042110-B	SVE - Startup	4/21/2010	0	750	0.6	0.006	NC	77	0.554	NC	0.99	0.014	NC	0.7	0.010	NC	0.0	0.000	NC	3.7	0.045	NC
Stack-052710-B&D	AS+SVE	5/27/2010	662	740	0.2	0.002	2.8	4.2	0.030	193	2.4	0.033	15	1.7	0.023	11	0.0	0.000	0	3.8	0.000	15
SVESTACK061510	AS+SVE	6/15/2010	1,064	750	0.2	0.002	0.9	6.0	0.043	15	1.9	0.026	12	1.3	0.018	8	0.0	0.000	0	3.2	0.000	0
SVESTACK061710	AS+SVE	6/17/2010	1,091	700	0.3	0.003	0.1	5.2	0.035	1	3.4	0.044	1	2.2	0.028	1	0.0	0.000	0	5.8	0.000	0
SVESTACK072210	AS+SVE	7/22/2010	1,647	700	0.0	0.000	1	5.1	0.072	30	6.3	0.090	37	3.8	0.040	19	0.0	0.000	0.0	8.3	0.086	24
SVESTACK082610	AS+SVE	8/26/2010	2,229	700	0.3	0.005	2	4.8	0.068	41	7.8	0.112	59	4.7	0.050	26	0.0	0.000	0.0	12	0.125	61
Total Mass Removed:							**6**			**279**			**124**			**65**			**0**			**100**

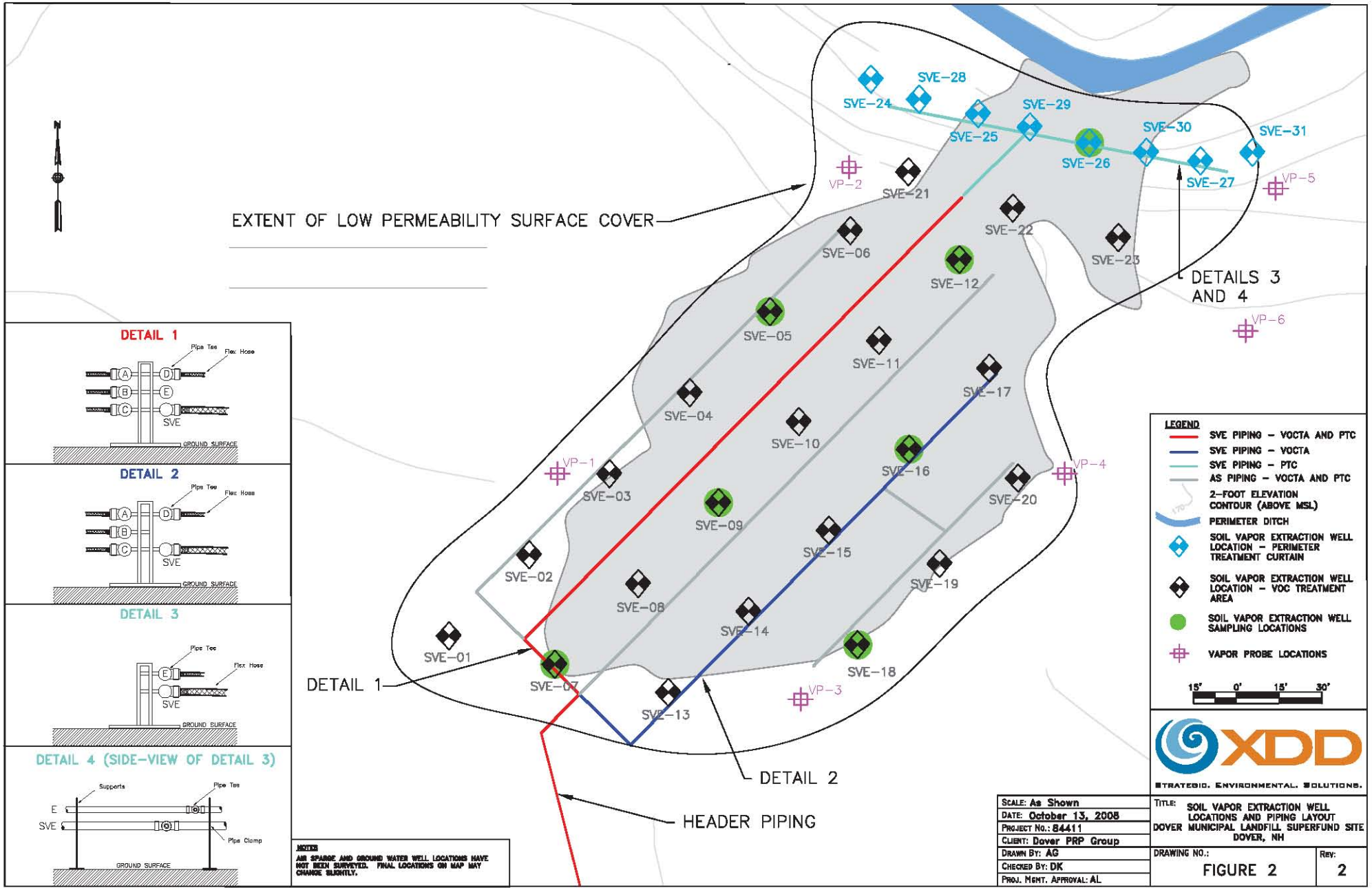
Sample ID	Operational System Component	Sample Date	Cumulative Run Time	Flow Rate	Toluene			m&p-Xylenes			o-Xylene			Methylene Chloride			Total VOCs Removed in 2010		
			hours	scfm	ppmv	lb/hr	total lbs	ppmv	lb/hr	Total lbs	ppmv	lb/hr	Total lbs	ppmv	lb/hr	total lbs	ppmv	lb/day	total lbs
Stack-042110-B	SVE - Startup	4/21/2010	0	750	56	0.593	NC	13	0.158	NC	4.1	0.050	NC	24	0.234	NC	350	98	NC
Stack-052710-B&D	AS+SVE	5/27/2010	662	740	42	0.439	342	16	0.192	116	6.7	0.081	43	9.7	0.093	108	245	83	2,499
SVESTACK061510	AS+SVE	6/15/2010	1,064	750	30	0.318	152	13	0.158	71	5.5	0.067	30	8.1	0.079	35	208	72	1,303
SVESTACK061710	AS+SVE	6/17/2010	1,091	700	58	0.573	12	26	0.296	6	10	0.114	2	16	0.146	3	355	115	106
SVESTACK072210	AS+SVE	7/22/2010	1,647	700	68	1.209	495	34	0.479	215	13	0.186	83	14	0.149	82	388	144	2,997
SVESTACK082610	AS+SVE	8/26/2010	2,229	700	91	1.618	823	42	0.591	311	17	0.243	125	18	0.191	99	486	183	3,971
Total Mass Removed:							**1,823**			**720**			**284**			**327**			10,877
																	Total VOCs Removed in 2009:		**17,603**
																	Total VOCs Removed:		**28,480**

Notes:

scfm = standard cubic feet per minute
ppmv = parts per million by volume
hr = hour
NC = not calculated
lb = pound
SVE = system operating in soil vapor extraction mode only
AS = system operating in air sparging and soil vapor extraction mode
VOCs = volatile organic compounds

FIGURES


PERIMETER TREATMENT CURTAIN (PTC)
EXTENT OF LOW PERMEABILITY SURFACE COVER
VOC TREATMENT AREA (VOCTA)
DETAIL 4
DETAILS 1 AND 5
DETAIL 2
DETAIL 3
HEADER PIPING
DETAIL 1
Pipe Tee
Flex Hose
SVE
GROUND SURFACE
DETAIL 2
DETAIL 3
DETAIL 4
DETAIL 5 (SIDE-VIEW OF DETAIL 1)
Supports
Pipe Clamp
LEGEND
AS AND SVE PIPING – VOCTA AND PTC
AS PIPING – VOCTA
AS AND SVE PIPING – VOCTA
AS AND SVE PIPING – PTC
2-FOOT ELEVATION CONTOUR (ABOVE MSL)
PERIMETER DITCH
AIR SPARGING WELL LOCATION – PTC
AIR SPARGING WELL LOCATION – VOCTA
AIR SPARGE GROUND WATER SAMPLING LOCATIONS
MONITORING WELL LOCATIONS
15' 0' 15' 30'
NOTES:
AIR SPARGE AND GROUND WATER WELL LOCATIONS HAVE NOT BEEN SURVEYED. FINAL LOCATIONS ON MAP MAY CHANGE SLIGHTLY.
XDD
STRATEGIC. ENVIRONMENTAL. SOLUTIONS.
SCALE: As Shown
DATE: October 13, 2008
PROJECT NO.: 84411
CLIENT: Dover PRP Group
DRAWN BY: MAW
CHECKED BY: DK
PROJ. MGMT. APPROVAL: AL
TITLE: AIR SPARGING WELL LOCATIONS AND PIPING LAYOUT DOVER MUNICIPAL LANDFILL SUPERFUND SITE DOVER, NH
DRAWING NO.: FIGURE 1
REV: 1


EXTENT OF LOW PERMEABILITY SURFACE COVER
DETAILS 3 AND 4
DETAIL 1
DETAIL 2
HEADER PIPING
SVE-01
SVE-02
SVE-03
SVE-04
SVE-05
SVE-06
SVE-07
SVE-08
SVE-09
SVE-10
SVE-11
SVE-12
SVE-13
SVE-14
SVE-15
SVE-16
SVE-17
SVE-18
SVE-19
SVE-20
SVE-21
SVE-22
SVE-23
SVE-24
SVE-25
SVE-26
SVE-27
SVE-28
SVE-29
SVE-30
SVE-31
VP-1
VP-2
VP-3
VP-4
VP-5
VP-6
DETAIL 1
Pipe Tee
Flex Hose
SVE
GROUND SURFACE
DETAIL 2
Pipe Tee
Flex Hose
SVE
GROUND SURFACE
DETAIL 3
Pipe Tee
Flex Hose
SVE
GROUND SURFACE
DETAIL 4 (SIDE-VIEW OF DETAIL 3)
Supports
Pipe Tee
E
SVE
Pipe Clamp
GROUND SURFACE
NOTES:
AIR SPARGE AND GROUND WATER WELL LOCATIONS HAVE NOT BEEN SURVEYED. FINAL LOCATIONS ON MAP MAY CHANGE SLIGHTLY.
LEGEND
SVE PIPING – VOCTA AND PTC
SVE PIPING – VOCTA
SVE PIPING – PTC
AS PIPING – VOCTA AND PTC
2-FOOT ELEVATION CONTOUR (ABOVE MSL)
PERIMETER DITCH
SOIL VAPOR EXTRACTION WELL LOCATION – PERIMETER TREATMENT CURTAIN
SOIL VAPOR EXTRACTION WELL LOCATION – VOC TREATMENT AREA
SOIL VAPOR EXTRACTION WELL SAMPLING LOCATIONS
VAPOR PROBE LOCATIONS
15' 0' 15' 30'
XDD
STRATEGIC. ENVIRONMENTAL. SOLUTIONS.
SCALE: As Shown
DATE: October 13, 2008
PROJECT NO.: 84411
CLIENT: Dover PRP Group
DRAWN BY: AG
CHECKED BY: DK
PROJ. MGMT. APPROVAL: AL
TITLE: SOIL VAPOR EXTRACTION WELL LOCATIONS AND PIPING LAYOUT
DOVER MUNICIPAL LANDFILL SUPERFUND SITE
DOVER, NH
DRAWING NO.: FIGURE 2
REV: 2

APPENDIX A

Laboratory Report

Resource Laboratories, LLC
124 Heritage Avenue #10 Portsmouth, NH 03801

Dennis Keane
Xpert Design & Diagnostics, LLC
22 Marin Way
Unit 3
Stratham, NH 03885

PO Number: 1896
Job ID: 19635
Date Received: 7/22/10

Project: Dover Landfill 84411

Attached please find results for the analysis of the samples received on the date referenced above.

Samples were received unpreserved.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Sue Sylvester
Principal, General Manager

Date of Approval: 8/3/2010
Total number of pages: 10

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-001
Sample ID: INF
Matrix: Water
Sampled: 7/22/10 11:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
chloromethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
vinyl chloride	**15**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
bromomethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
chloroethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
trichlorofluoromethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
diethyl ether	< 25	25	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
acetone	< 250	250	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1-dichloroethene	< 5	5	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
methylene chloride	**630**	25	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
carbon disulfide	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
methyl t-butyl ether (MTBE)	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
trans-1,2-dichloroethene	**12**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
isopropyl ether (DIPE)	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1-dichloroethane	**62**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
t-butanol (TBA)	**280**	150	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
2-butanone (MEK)	**110**	50	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
2,2-dichloropropane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
cis-1,2-dichloroethene	**1500**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
chloroform	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
bromochloromethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
tetrahydrofuran (THF)	**81**	50	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1,1-trichloroethane	**55**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1-dichloropropene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
t-amyl-methyl ether (TAME)	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
carbon tetrachloride	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2-dichloroethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
benzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
trichloroethene	**210**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2-dichloropropane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
bromodichloromethane	< 3.0	3.0	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,4-dioxane	**330**	250	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
dibromomethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
4-methyl-2-pentanone (MIBK)	**460**	50	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
cis-1,3-dichloropropene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
toluene	**940**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
trans-1,3-dichloropropene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
2-hexanone	< 50	50	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1,2-trichloroethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,3-dichloropropane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
tetrachloroethene	**1200**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
dibromochloromethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2-dibromoethane (EDB)	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-001
Sample ID: INF
Matrix: Water
Sampled: 7/22/10 11:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
chlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1,1,2-tetrachloroethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
ethylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
m&p-xylenes	**88**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
o-xylene	**350**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
styrene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
bromoform	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
isopropylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,1,2,2-tetrachloroethane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2,3-trichloropropane	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
n-propylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
bromobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,3,5-trimethylbenzene	**79**	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
2-chlorotoluene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
4-chlorotoluene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
tert-butylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2,4-trimethylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
sec-butylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,3-dichlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
4-isopropyltoluene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,4-dichlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2-dichlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
n-butylbenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2,4-trichlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,3,5-trichlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
hexachlorobutadiene	< 2.5	2.5	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
naphthalene	< 25	25	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
1,2,3-trichlorobenzene	< 10	10	ug/L	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	98	78-114	%	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
toluene-D8 SUR	105	88-110	%	5	LMM		1001627	7/26/10	18:33	SW5030B8260B
4-bromofluorobenzene SUR	100	86-115	%	5	LMM		1001627	7/26/10	18:33	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-002
Sample ID: DUP
Matrix: Water
Sampled: 7/22/10 11:05

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
vinyl chloride	**12**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
acetone	**110**	50	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
methylene chloride	**490**	5	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
trans-1,2-dichloroethene	**10**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1-dichloroethane	**49**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
t-butanol (TBA)	**210**	30	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
2-butanone (MEK)	**110**	10	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
cis-1,2-dichloroethene	**1400**	10	ug/L	5	LMM		1001662	7/27/10	12:52	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
tetrahydrofuran (THF)	**62**	10	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1,1-trichloroethane	**45**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
trichloroethene	**170**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,4-dioxane	**270**	50	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
4-methyl-2-pentanone (MIBK)	**390**	10	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
toluene	**840**	10	ug/L	5	LMM		1001662	7/27/10	12:52	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
2-hexanone	**22**	10	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1,2-trichloroethane	**3**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
tetrachloroethene	**1100**	10	ug/L	5	LMM		1001662	7/27/10	12:52	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-002
Sample ID: DUP
Matrix: Water
Sampled: 7/22/10 11:05

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
chlorobenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
ethylbenzene	**7**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
m&p-xylenes	**120**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
o-xylene	**270**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,3,5-trimethylbenzene	**59**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2,4-trimethylbenzene	**7**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,4-dichlorobenzene	**2**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2-dichlorobenzene	**7**	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
naphthalene	**12**	5	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	102	78-114	%	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
toluene-D8 SUR	106	88-110	%	1	LMM		1001662	7/26/10	13:09	SW5030B8260B
4-bromofluorobenzene SUR	96	86-115	%	1	LMM		1001662	7/26/10	13:09	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-003
Sample ID: EFF
Matrix: Water
Sampled: 7/22/10 11:05

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-003
Sample ID: EFF
Matrix: Water
Sampled: 7/22/10 11:05

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
chlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	98	78-114	%	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
toluene-D8 SUR	100	88-110	%	1	LMM		1001627	7/26/10	12:38	SW5030B8260B
4-bromofluorobenzene SUR	98	86-115	%	1	LMM		1001627	7/26/10	12:38	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-004
Sample ID: Trip Blank
Matrix: Water
Sampled: 7/22/10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
diethyl ether	< 5	5	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
acetone	< 50	50	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B

Project ID: Dover Landfill 84411
Job ID: 19635
Sample#: 19635-004
Sample ID: Trip Blank
Matrix: Water
Sampled: 7/22/10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
chlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,3,5-trichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	101	78-114	%	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		1001627	7/26/10	12:06	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	LMM		1001627	7/26/10	12:06	SW5030B8260B

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

19635

Company Name: XDD, LLC
Company Address: 22 Marin Way, Unit 3 Stratham, NH 03885
Report To: Dennis Keane
Phone #: (603) 778-1100
Invoice To: Mary Scudieri

Project Name: Dover Landfill
Project #: 84411
Project Location: (NH) MA ME VT Other
Protocol: RCRA SDWA NPDES / MCP NHDES (OTHER)
Reporting Limits: QAPP GW-1 S-1 / EPA DW Other Std
Quote # ____ ☐ NH GREE/ODD Fund Pricing
PO # 1896

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER*
196351	INF	2	X								ICE ONLY	7/22/10	1100	JH
-02	DUP	2	X								ICE ONLY	7/22/10	1105	JH
-03	EFF	2	X								ICE ONLY	7/22/10	1105	JH
-04	Trip Blank	1	X								—	—	—	

ANALYSIS REQUEST

Lab Sample ID	Grab (G) or Composite (C)	VOC 8260
196351		X
-02		X
-03		X

☐ VOC 8260 NHDES ☐ VOC 8260 MADEP ☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1 ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ O&G 1664 ☐ Mineral O&G SM5520F ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity ☐ TSS ☐ TDS ☐ TVS ☐ Alkalinity ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Total Metals-list: ☐ Dissolved Metals-list: ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide ☐ Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

TAT REQUESTED
Priority (24 hr)** ☐
Expedited (48 hr)** ☐
Standard (10 Business Days) ☒
**Date Needed ____

* See www.reslabs.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) keane@xdd-llc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#) ____ ☐ OTHER (specify) ____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 14 °C

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler:	7/22/10	16:00	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: Way Bill#:	7/23/10	16:05

10

Air Toxics LTD.
Laboratory Services Since 1989

8/10/2010
Ms. Amy Gibney
XDD (Xpert Design & Diagnostics, LLP)
22 Marin Way
Suite 3
Stratham NH 03885

Project Name: Dover Landfill
Project #:
Workorder #: 1007568

Dear Ms. Amy Gibney

The following report includes the data for the above referenced project for sample(s) received on 7/26/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1007568

Work Order Summary

CLIENT:	Ms. Amy Gibney XDD (Xpert Design & Diagnostics, LLP) 22 Marin Way Suite 3 Stratham, NH 03885	**BILL TO:**	Ms. Amy Gibney XDD (Xpert Design & Diagnostics, LLP) 22 Marin Way Suite 3
PHONE:	603-778-1100	**P.O. #**	1886
FAX:	603-778-2121	**PROJECT #**	Dover Landfill
DATE RECEIVED:	07/26/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	08/10/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Tolend Road	Modified TO-15	4.0 "Hg	5 psi
02A	Lab Blank	Modified TO-15	NA	NA
03A	CCV	Modified TO-15	NA	NA
04A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 08/10/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
XDD (Xpert Design & Diagnostics, LLP)
Workorder# 1007568

One 6 Liter Summa Canister sample was received on July 26, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Tolend Road

Lab ID#: 1007568-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	3.1	11	7.4	25
Carbon Disulfide	0.78	2.0	2.4	6.3
Tetrahydrofuran	0.78	24	2.3	70

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Tolend Road

Lab ID#: 1007568-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080509**	**Date of Collection:**	**7/22/10 2:45:00 PM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**8/5/10 02:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	Not Detected	3.8	Not Detected
Freon 114	0.78	Not Detected	5.4	Not Detected
Chloromethane	3.1	Not Detected	6.4	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Bromomethane	0.78	Not Detected	3.0	Not Detected
Chloroethane	0.78	Not Detected	2.0	Not Detected
Freon 11	0.78	Not Detected	4.4	Not Detected
Ethanol	3.1	Not Detected	5.8	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Acetone	3.1	11	7.4	25
2-Propanol	3.1	Not Detected	7.6	Not Detected
Carbon Disulfide	0.78	2.0	2.4	6.3
3-Chloropropene	3.1	Not Detected	9.7	Not Detected
Methylene Chloride	0.78	Not Detected	2.7	Not Detected
Methyl tert-butyl ether	0.78	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Hexane	0.78	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.78	Not Detected	2.3	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.78	24	2.3	70
Chloroform	0.78	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Cyclohexane	0.78	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
2,2,4-Trimethylpentane	0.78	Not Detected	3.6	Not Detected
Benzene	0.78	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.78	Not Detected	3.1	Not Detected
Heptane	0.78	Not Detected	3.2	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
cis-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
Toluene	0.78	Not Detected	2.9	Not Detected
trans-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Tolend Road

Lab ID#: 1007568-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080509**	**Date of Collection: 7/22/10 2:45:00 PM**	
Dil. Factor:	**1.55**	**Date of Analysis: 8/5/10 02:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	3.1	Not Detected	13	Not Detected
Dibromochloromethane	0.78	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	Not Detected	3.4	Not Detected
m,p-Xylene	0.78	Not Detected	3.4	Not Detected
o-Xylene	0.78	Not Detected	3.4	Not Detected
Styrene	0.78	Not Detected	3.3	Not Detected
Bromoform	0.78	Not Detected	8.0	Not Detected
Cumene	0.78	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.3	Not Detected
Propylbenzene	0.78	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.78	Not Detected	3.8	Not Detected
1,3,5-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1007568-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/5/10 11:32 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1007568-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/5/10 11:32 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1007568-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/5/10 09:21 AM**	

Compound	%Recovery
Freon 12	109
Freon 114	106
Chloromethane	126
Vinyl Chloride	115
1,3-Butadiene	112
Bromomethane	100
Chloroethane	109
Freon 11	102
Ethanol	110
Freon 113	99
1,1-Dichloroethene	107
Acetone	108
2-Propanol	103
Carbon Disulfide	110
3-Chloropropene	107
Methylene Chloride	106
Methyl tert-butyl ether	100
trans-1,2-Dichloroethene	103
Hexane	125
1,1-Dichloroethane	106
2-Butanone (Methyl Ethyl Ketone)	115
cis-1,2-Dichloroethene	108
Tetrahydrofuran	120
Chloroform	104
1,1,1-Trichloroethane	93
Cyclohexane	116
Carbon Tetrachloride	94
2,2,4-Trimethylpentane	128
Benzene	105
1,2-Dichloroethane	100
Heptane	123
Trichloroethene	101
1,2-Dichloropropane	101
1,4-Dioxane	105
Bromodichloromethane	98
cis-1,3-Dichloropropene	101
4-Methyl-2-pentanone	113
Toluene	102
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	111
Tetrachloroethene	107

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1007568-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/5/10 09:21 AM**	

Compound	%Recovery
2-Hexanone	129
Dibromochloromethane	106
1,2-Dibromoethane (EDB)	111
Chlorobenzene	107
Ethyl Benzene	127
m,p-Xylene	130
o-Xylene	128
Styrene	124
Bromoform	105
Cumene	108
1,1,2,2-Tetrachloroethane	111
Propylbenzene	120
4-Ethyltoluene	122
1,3,5-Trimethylbenzene	116
1,2,4-Trimethylbenzene	120
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	107
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	102
1,2,4-Trichlorobenzene	89
Hexachlorobutadiene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1007568-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/5/10 09:58 AM**	

Compound	%Recovery
Freon 12	114
Freon 114	113
Chloromethane	133 Q
Vinyl Chloride	121
1,3-Butadiene	124
Bromomethane	106
Chloroethane	114
Freon 11	105
Ethanol	110
Freon 113	93
1,1-Dichloroethene	101
Acetone	119
2-Propanol	102
Carbon Disulfide	113
3-Chloropropene	109
Methylene Chloride	102
Methyl tert-butyl ether	108
trans-1,2-Dichloroethene	108
Hexane	130
1,1-Dichloroethane	104
2-Butanone (Methyl Ethyl Ketone)	116
cis-1,2-Dichloroethene	111
Tetrahydrofuran	125
Chloroform	105
1,1,1-Trichloroethane	97
Cyclohexane	125
Carbon Tetrachloride	95
2,2,4-Trimethylpentane	141 Q
Benzene	102
1,2-Dichloroethane	94
Heptane	122
Trichloroethene	97
1,2-Dichloropropane	100
1,4-Dioxane	100
Bromodichloromethane	94
cis-1,3-Dichloropropene	100
4-Methyl-2-pentanone	105
Toluene	95
trans-1,3-Dichloropropene	108
1,1,2-Trichloroethane	109
Tetrachloroethene	102

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1007568-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**2080503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/5/10 09:58 AM**	

Compound	%Recovery
2-Hexanone	112
Dibromochloromethane	103
1,2-Dibromoethane (EDB)	112
Chlorobenzene	105
Ethyl Benzene	125
m,p-Xylene	127
o-Xylene	124
Styrene	112
Bromoform	102
Cumene	104
1,1,2,2-Tetrachloroethane	110
Propylbenzene	116
4-Ethyltoluene	117
1,3,5-Trimethylbenzene	111
1,2,4-Trimethylbenzene	117
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	89

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

8/11/2010
Ms. Amy Gibney
XDD (Xpert Design & Diagnostics, LLP)
22 Marin Way
Suite 3
Stratham NH 03885

Project Name: Dover Landfill
Project #:
Workorder #: 1007499

Dear Ms. Amy Gibney

The following report includes the data for the above referenced project for sample(s) received on 7/23/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1007499

Work Order Summary

CLIENT:	Ms. Amy Gibney XDD (Xpert Design & Diagnostics, LLP) 22 Marin Way Suite 3 Stratham, NH 03885	**BILL TO:**	Ms. Amy Gibney XDD (Xpert Design & Diagnostics, LLP) 22 Marin Way Suite 3
PHONE:	603-778-1100	**P.O. #**	1897
FAX:	603-778-2121	**PROJECT #**	Dover Landfill
DATE RECEIVED:	07/23/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	08/11/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE STACK 072210	Modified TO-15 (5&20 ppbv	Tedlar Bag	Tedlar Bag
02A	Lab Blank	Modified TO-15 (5&20 ppbv	NA	NA
03A	CCV	Modified TO-15 (5&20 ppbv	NA	NA
04A	LCS	Modified TO-15 (5&20 ppbv	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 08/11/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15 Soil Gas
XDD (Xpert Design & Diagnostics, LLP)
Workorder# 1007499

One 1 Liter Tedlar Bag sample was received on July 23, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: SVE STACK 072210

Lab ID#: 1007499-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	280	5100	710	13000
Freon 11	280	1200	1600	6700
Freon 113	280	320	2100	2500
Methylene Chloride	280	14000	960	48000
Hexane	280	430	980	1500
1,1-Dichloroethane	280	3200	1100	13000
cis-1,2-Dichloroethene	280	54000	1100	210000
1,1,1-Trichloroethane	280	6100	1500	33000
Cyclohexane	280	500	960	1700
Heptane	280	1100	1100	4300
Trichloroethene	280	12000	1500	67000
4-Methyl-2-pentanone	280	650	1100	2600
Toluene	280	68000	1000	260000
Tetrachloroethene	280	160000	1900	1100000
Ethyl Benzene	280	8300	1200	36000
m,p-Xylene	280	34000	1200	140000
o-Xylene	280	13000	1200	58000
Cumene	280	750	1400	3700
Propylbenzene	280	1300	1400	6300
4-Ethyltoluene	280	8000	1400	39000
1,3,5-Trimethylbenzene	280	3800	1400	19000
1,2,4-Trimethylbenzene	280	6300	1400	31000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE STACK 072210

Lab ID#: 1007499-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072410**	**Date of Collection: 7/22/10 10:45:00 AM**	
Dil. Factor:	**55.6**	**Date of Analysis: 7/24/10 08:03 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	280	Not Detected	1400	Not Detected
Freon 114	280	Not Detected	1900	Not Detected
Chloromethane	1100	Not Detected	2300	Not Detected
Vinyl Chloride	280	5100	710	13000
1,3-Butadiene	280	Not Detected	620	Not Detected
Bromomethane	280	Not Detected	1100	Not Detected
Chloroethane	280	Not Detected	730	Not Detected
Freon 11	280	1200	1600	6700
Ethanol	1100	Not Detected	2100	Not Detected
Freon 113	280	320	2100	2500
1,1-Dichloroethene	280	Not Detected	1100	Not Detected
Acetone	1100	Not Detected	2600	Not Detected
2-Propanol	1100	Not Detected	2700	Not Detected
Carbon Disulfide	280	Not Detected	860	Not Detected
3-Chloropropene	1100	Not Detected	3500	Not Detected
Methylene Chloride	280	14000	960	48000
Methyl tert-butyl ether	280	Not Detected	1000	Not Detected
trans-1,2-Dichloroethene	280	Not Detected	1100	Not Detected
Hexane	280	430	980	1500
1,1-Dichloroethane	280	3200	1100	13000
2-Butanone (Methyl Ethyl Ketone)	280	Not Detected	820	Not Detected
cis-1,2-Dichloroethene	280	54000	1100	210000
Tetrahydrofuran	280	Not Detected	820	Not Detected
Chloroform	280	Not Detected	1400	Not Detected
1,1,1-Trichloroethane	280	6100	1500	33000
Cyclohexane	280	500	960	1700
Carbon Tetrachloride	280	Not Detected	1700	Not Detected
2,2,4-Trimethylpentane	280	Not Detected	1300	Not Detected
Benzene	280	Not Detected	890	Not Detected
1,2-Dichloroethane	280	Not Detected	1100	Not Detected
Heptane	280	1100	1100	4300
Trichloroethene	280	12000	1500	67000
1,2-Dichloropropane	280	Not Detected	1300	Not Detected
1,4-Dioxane	1100	Not Detected	4000	Not Detected
Bromodichloromethane	280	Not Detected	1900	Not Detected
cis-1,3-Dichloropropene	280	Not Detected	1300	Not Detected
4-Methyl-2-pentanone	280	650	1100	2600
Toluene	280	68000	1000	260000
trans-1,3-Dichloropropene	280	Not Detected	1300	Not Detected
1,1,2-Trichloroethane	280	Not Detected	1500	Not Detected
Tetrachloroethene	280	160000	1900	1100000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE STACK 072210

Lab ID#: 1007499-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072410**	**Date of Collection: 7/22/10 10:45:00 AM**	
Dil. Factor:	**55.6**	**Date of Analysis: 7/24/10 08:03 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	1100	Not Detected	4600	Not Detected
Dibromochloromethane	280	Not Detected	2400	Not Detected
1,2-Dibromoethane (EDB)	280	Not Detected	2100	Not Detected
Chlorobenzene	280	Not Detected	1300	Not Detected
Ethyl Benzene	280	8300	1200	36000
m,p-Xylene	280	34000	1200	140000
o-Xylene	280	13000	1200	58000
Styrene	280	Not Detected	1200	Not Detected
Bromoform	280	Not Detected	2900	Not Detected
Cumene	280	750	1400	3700
1,1,2,2-Tetrachloroethane	280	Not Detected	1900	Not Detected
Propylbenzene	280	1300	1400	6300
4-Ethyltoluene	280	8000	1400	39000
1,3,5-Trimethylbenzene	280	3800	1400	19000
1,2,4-Trimethylbenzene	280	6300	1400	31000
1,3-Dichlorobenzene	280	Not Detected	1700	Not Detected
1,4-Dichlorobenzene	280	Not Detected	1700	Not Detected
alpha-Chlorotoluene	280	Not Detected	1400	Not Detected
1,2-Dichlorobenzene	280	Not Detected	1700	Not Detected
1,2,4-Trichlorobenzene	1100	Not Detected UJ	8200	Not Detected UJ
Hexachlorobutadiene	1100	Not Detected	12000	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1007499-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072407**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/10 05:22 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	Not Detected	38	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	48	Not Detected
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1007499-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072407**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/10 05:22 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	20	Not Detected	82	Not Detected
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected UJ	150	Not Detected UJ
Hexachlorobutadiene	20	Not Detected	210	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	88	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1007499-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/10 02:37 AM**	

Compound	%Recovery
Freon 12	106
Freon 114	104
Chloromethane	122
Vinyl Chloride	125
1,3-Butadiene	114
Bromomethane	119
Chloroethane	119
Freon 11	116
Ethanol	121
Freon 113	108
1,1-Dichloroethene	123
Acetone	115
2-Propanol	100
Carbon Disulfide	125
3-Chloropropene	102
Methylene Chloride	113
Methyl tert-butyl ether	101
trans-1,2-Dichloroethene	117
Hexane	116
1,1-Dichloroethane	123
2-Butanone (Methyl Ethyl Ketone)	109
cis-1,2-Dichloroethene	124
Tetrahydrofuran	112
Chloroform	126
1,1,1-Trichloroethane	114
Cyclohexane	119
Carbon Tetrachloride	112
2,2,4-Trimethylpentane	120
Benzene	125
1,2-Dichloroethane	132 Q
Heptane	118
Trichloroethene	122
1,2-Dichloropropane	124
1,4-Dioxane	114
Bromodichloromethane	122
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	97
Toluene	124
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	119
Tetrachloroethene	109

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1007499-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/10 02:37 AM**	

Compound	%Recovery
2-Hexanone	99
Dibromochloromethane	110
1,2-Dibromoethane (EDB)	114
Chlorobenzene	119
Ethyl Benzene	113
m,p-Xylene	112
o-Xylene	109
Styrene	113
Bromoform	105
Cumene	115
1,1,2,2-Tetrachloroethane	126
Propylbenzene	115
4-Ethyltoluene	110
1,3,5-Trimethylbenzene	117
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	108
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	99
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	67 Q
Hexachlorobutadiene	70

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1007499-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072405**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/10 04:10 AM**	

Compound	%Recovery
Freon 12	109
Freon 114	97
Chloromethane	111
Vinyl Chloride	116
1,3-Butadiene	110
Bromomethane	115
Chloroethane	115
Freon 11	109
Ethanol	99
Freon 113	90
1,1-Dichloroethene	103
Acetone	104
2-Propanol	93
Carbon Disulfide	115
3-Chloropropene	99
Methylene Chloride	97
Methyl tert-butyl ether	95
trans-1,2-Dichloroethene	110
Hexane	112
1,1-Dichloroethane	111
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	117
Tetrahydrofuran	108
Chloroform	117
1,1,1-Trichloroethane	106
Cyclohexane	111
Carbon Tetrachloride	107
2,2,4-Trimethylpentane	115
Benzene	118
1,2-Dichloroethane	123
Heptane	114
Trichloroethene	115
1,2-Dichloropropane	117
1,4-Dioxane	109
Bromodichloromethane	116
cis-1,3-Dichloropropene	107
4-Methyl-2-pentanone	96
Toluene	112
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	110
Tetrachloroethene	100

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1007499-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b072405**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/10 04:10 AM**	

Compound	%Recovery
2-Hexanone	102
Dibromochloromethane	106
1,2-Dibromoethane (EDB)	112
Chlorobenzene	113
Ethyl Benzene	112
m,p-Xylene	111
o-Xylene	110
Styrene	116
Bromoform	104
Cumene	112
1,1,2,2-Tetrachloroethane	125
Propylbenzene	113
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	118
1,2,4-Trimethylbenzene	111
1,3-Dichlorobenzene	109
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	110
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	84

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

9/2/2010
Ms. Amy Gibney
XDD (Xpert Design & Diagnostics, LLP)
22 Marin Way
Suite 3
Stratham NH 03885

Project Name: Dover Landfill
Project #: 84411
Workorder #: 1008634

Dear Ms. Amy Gibney

The following report includes the data for the above referenced project for sample(s) received on 8/27/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1008634

Work Order Summary

CLIENT:	Ms. Amy Gibney XDD (Xpert Design & Diagnostics, LLP) 22 Marin Way Suite 3 Stratham, NH 03885	**BILL TO:**	Ms. Amy Gibney XDD (Xpert Design & Diagnostics, LLP) 22 Marin Way Suite 3
PHONE:	603-778-1100	**P.O. #**	1944
FAX:	603-778-2121	**PROJECT #**	84411 Dover Landfill
DATE RECEIVED:	08/27/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	09/02/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	082610-SVE STACK	Modified TO-15 (5&20 ppbv	Tedlar Bag	Tedlar Bag
02A	Lab Blank	Modified TO-15 (5&20 ppbv	NA	NA
03A	CCV	Modified TO-15 (5&20 ppbv	NA	NA
04A	LCS	Modified TO-15 (5&20 ppbv	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 09/02/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15 Soil Gas
XDD (Xpert Design & Diagnostics, LLP)
Workorder# 1008634

One 1 Liter Tedlar Bag sample was received on August 27, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: 082610-SVE STACK

Lab ID#: 1008634-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	250	4800	640	12000
Freon 11	250	1500	1400	8300
Freon 113	250	460	1900	3500
Acetone	1000	1200	2400	2900
Methylene Chloride	250	18000	870	63000
trans-1,2-Dichloroethene	250	290	990	1100
Hexane	250	500	880	1800
1,1-Dichloroethane	250	4000	1000	16000
cis-1,2-Dichloroethene	250	51000	990	200000
1,1,1-Trichloroethane	250	8400	1400	46000
Cyclohexane	250	470	860	1600
Heptane	250	1600	1000	6500
Trichloroethene	250	15000	1300	81000
4-Methyl-2-pentanone	250	1300	1000	5400
Toluene	250	91000	940	340000
Tetrachloroethene	250	210000	1700	1400000
Ethyl Benzene	250	12000	1100	53000
m,p-Xylene	250	42000	1100	180000
o-Xylene	250	17000	1100	73000
Cumene	250	1200	1200	5800
Propylbenzene	250	1800	1200	8700
4-Ethyltoluene	250	10000	1200	50000
1,3,5-Trimethylbenzene	250	4700	1200	23000
1,2,4-Trimethylbenzene	250	7800	1200	38000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 082610-SVE STACK

Lab ID#: 1008634-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082815**	**Date of Collection:**	**8/26/10 10:11:00 AM**
Dil. Factor:	**50.0**	**Date of Analysis:**	**8/28/10 03:49 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	250	Not Detected	1200	Not Detected
Freon 114	250	Not Detected	1700	Not Detected
Chloromethane	1000	Not Detected	2100	Not Detected
Vinyl Chloride	250	4800	640	12000
1,3-Butadiene	250	Not Detected	550	Not Detected
Bromomethane	250	Not Detected	970	Not Detected
Chloroethane	250	Not Detected	660	Not Detected
Freon 11	250	1500	1400	8300
Ethanol	1000	Not Detected	1900	Not Detected
Freon 113	250	460	1900	3500
1,1-Dichloroethene	250	Not Detected	990	Not Detected
Acetone	1000	1200	2400	2900
2-Propanol	1000	Not Detected	2400	Not Detected
Carbon Disulfide	250	Not Detected	780	Not Detected
3-Chloropropene	1000	Not Detected	3100	Not Detected
Methylene Chloride	250	18000	870	63000
Methyl tert-butyl ether	250	Not Detected	900	Not Detected
trans-1,2-Dichloroethene	250	290	990	1100
Hexane	250	500	880	1800
1,1-Dichloroethane	250	4000	1000	16000
2-Butanone (Methyl Ethyl Ketone)	250	Not Detected	740	Not Detected
cis-1,2-Dichloroethene	250	51000	990	200000
Tetrahydrofuran	250	Not Detected	740	Not Detected
Chloroform	250	Not Detected	1200	Not Detected
1,1,1-Trichloroethane	250	8400	1400	46000
Cyclohexane	250	470	860	1600
Carbon Tetrachloride	250	Not Detected	1600	Not Detected
2,2,4-Trimethylpentane	250	Not Detected	1200	Not Detected
Benzene	250	Not Detected	800	Not Detected
1,2-Dichloroethane	250	Not Detected	1000	Not Detected
Heptane	250	1600	1000	6500
Trichloroethene	250	15000	1300	81000
1,2-Dichloropropane	250	Not Detected	1200	Not Detected
1,4-Dioxane	1000	Not Detected	3600	Not Detected
Bromodichloromethane	250	Not Detected	1700	Not Detected
cis-1,3-Dichloropropene	250	Not Detected	1100	Not Detected
4-Methyl-2-pentanone	250	1300	1000	5400
Toluene	250	91000	940	340000
trans-1,3-Dichloropropene	250	Not Detected	1100	Not Detected
1,1,2-Trichloroethane	250	Not Detected	1400	Not Detected
Tetrachloroethene	250	210000	1700	1400000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: 082610-SVE STACK

Lab ID#: 1008634-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082815**	**Date of Collection:**	**8/26/10 10:11:00 AM**
Dil. Factor:	**50.0**	**Date of Analysis:**	**8/28/10 03:49 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	1000	Not Detected	4100	Not Detected
Dibromochloromethane	250	Not Detected	2100	Not Detected
1,2-Dibromoethane (EDB)	250	Not Detected	1900	Not Detected
Chlorobenzene	250	Not Detected	1200	Not Detected
Ethyl Benzene	250	12000	1100	53000
m,p-Xylene	250	42000	1100	180000
o-Xylene	250	17000	1100	73000
Styrene	250	Not Detected	1100	Not Detected
Bromoform	250	Not Detected	2600	Not Detected
Cumene	250	1200	1200	5800
1,1,2,2-Tetrachloroethane	250	Not Detected	1700	Not Detected
Propylbenzene	250	1800	1200	8700
4-Ethyltoluene	250	10000	1200	50000
1,3,5-Trimethylbenzene	250	4700	1200	23000
1,2,4-Trimethylbenzene	250	7800	1200	38000
1,3-Dichlorobenzene	250	Not Detected	1500	Not Detected
1,4-Dichlorobenzene	250	Not Detected	1500	Not Detected
alpha-Chlorotoluene	250	Not Detected	1300	Not Detected
1,2-Dichlorobenzene	250	Not Detected	1500	Not Detected
1,2,4-Trichlorobenzene	1000	Not Detected	7400	Not Detected
Hexachlorobutadiene	1000	Not Detected	11000	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1008634-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/10 10:23 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	Not Detected	38	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	48	Not Detected
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1008634-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/10 10:23 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	20	Not Detected	82	Not Detected
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1008634-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/10 08:05 AM**	

Compound	%Recovery
Freon 12	86
Freon 114	97
Chloromethane	96
Vinyl Chloride	99
1,3-Butadiene	98
Bromomethane	96
Chloroethane	100
Freon 11	89
Ethanol	105
Freon 113	100
1,1-Dichloroethene	93
Acetone	102
2-Propanol	96
Carbon Disulfide	99
3-Chloropropene	96
Methylene Chloride	95
Methyl tert-butyl ether	94
trans-1,2-Dichloroethene	101
Hexane	100
1,1-Dichloroethane	95
2-Butanone (Methyl Ethyl Ketone)	99
cis-1,2-Dichloroethene	92
Tetrahydrofuran	102
Chloroform	109
1,1,1-Trichloroethane	107
Cyclohexane	111
Carbon Tetrachloride	107
2,2,4-Trimethylpentane	107
Benzene	115
1,2-Dichloroethane	101
Heptane	114
Trichloroethene	108
1,2-Dichloropropane	110
1,4-Dioxane	111
Bromodichloromethane	108
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	115
Toluene	113
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	117
Tetrachloroethene	117

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1008634-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/10 08:05 AM**	

Compound	%Recovery
2-Hexanone	111
Dibromochloromethane	116
1,2-Dibromoethane (EDB)	115
Chlorobenzene	115
Ethyl Benzene	114
m,p-Xylene	116
o-Xylene	115
Styrene	126
Bromoform	121
Cumene	122
1,1,2,2-Tetrachloroethane	116
Propylbenzene	118
4-Ethyltoluene	125
1,3,5-Trimethylbenzene	120
1,2,4-Trimethylbenzene	122
1,3-Dichlorobenzene	113
1,4-Dichlorobenzene	116
alpha-Chlorotoluene	135 Q
1,2-Dichlorobenzene	113
1,2,4-Trichlorobenzene	73
Hexachlorobutadiene	84

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1008634-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/10 08:44 AM**	

Compound	%Recovery
Freon 12	100
Freon 114	113
Chloromethane	110
Vinyl Chloride	112
1,3-Butadiene	115
Bromomethane	104
Chloroethane	114
Freon 11	104
Ethanol	107
Freon 113	104
1,1-Dichloroethene	95
Acetone	109
2-Propanol	103
Carbon Disulfide	112
3-Chloropropene	108
Methylene Chloride	99
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	114
Hexane	114
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	113
cis-1,2-Dichloroethene	101
Tetrahydrofuran	106
Chloroform	101
1,1,1-Trichloroethane	100
Cyclohexane	106
Carbon Tetrachloride	102
2,2,4-Trimethylpentane	114
Benzene	105
1,2-Dichloroethane	98
Heptane	115
Trichloroethene	108
1,2-Dichloropropane	111
1,4-Dioxane	107
Bromodichloromethane	106
cis-1,3-Dichloropropene	109
4-Methyl-2-pentanone	110
Toluene	106
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	117
Tetrachloroethene	117

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1008634-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w082803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/10 08:44 AM**	

Compound	%Recovery
2-Hexanone	109
Dibromochloromethane	117
1,2-Dibromoethane (EDB)	120
Chlorobenzene	115
Ethyl Benzene	116
m,p-Xylene	118
o-Xylene	116
Styrene	126
Bromoform	119
Cumene	118
1,1,2,2-Tetrachloroethane	117
Propylbenzene	118
4-Ethyltoluene	126
1,3,5-Trimethylbenzene	121
1,2,4-Trimethylbenzene	122
1,3-Dichlorobenzene	114
1,4-Dichlorobenzene	118
alpha-Chlorotoluene	135 Q
1,2-Dichlorobenzene	117
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	104

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130