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June 7, 2010

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
Central Regional Office
627 Main Street
Worcester, MA 01608

Subject: Immediate Response Action Completion Report
Cumberland Farms, Inc. Facility #2141 / Station# V0984
1289 Main Street (Route 13)
Leominster, Massachusetts 01453-1757
DEP RTN 2-17414
AECOM File: 60136873

To Whom It May Concern:

AECOM Environment (AECOM) has prepared this Immediate Response Action Completion (IRAC) Report for the above-referenced disposal site on behalf of Cumberland Farms, Inc. (CFI). The following report is being submitted to address Release Tracking Number (RTN) 2-17414 issued by the Massachusetts Department of Environmental Protection (DEP) on February 10, 2009. The RTN was issued due to the presence of gasoline fuel identified within a submersible turbine pump (STP) sump further discussed below. Based on the amount of gasoline within the STP sump being greater than 10 gallons, the spill was reported to the DEP within the 2 hour reporting timeline. This document details the activities of the Immediate Response Action (IRA) activities completed from February 10, 2009 through May 10, 2010. This IRAC Report is being submitted as an Attachment to the IRA Completion Statement Transmittal Form (BWSC-105). Information required for an IRA Completion Statement, as specified in 310 CMR 40.0427, is contained in this document as a whole.

Implementation of this IRA acted as an accelerated response action to prevent, eliminate, and/or minimize damage to health, safety, public welfare or the environment which may result from the contamination identified at the site. All opinions and recommendations made in this report are based on the work performed by AECOM and are subject to the service constraints included as Attachment A.

Potentially Responsible Party: Cumberland Farms, Inc. (CFI)
Attn: Christopher Johnson
Business Support Center
100 Crossing Boulevard
Framingham, MA 01702
(508) 270-4495
Owner/Operator

1.0 Background Information

1.1 Description of the Release

- On February 10, 2009, at approximately 10:49 am, approximately 25 gallons of gasoline were released from an STP pump to the STP sump associated with the regular grade underground storage tank (UST). The release was discovered following an alarm associated with the STP sump. It is AECOM's understanding that the release was contained within the STP sump. The spill was reported to the DEP as a release/spill greater than 10 gallons on February 10, 2009 at 12:13 pm. The DEP granted verbal IRA approval to perform cleanup activities, investigation and evaluation, including removal of product from the sump, assessment of impact to the environment/indoor air and repair of the leak. Following notification, Mr. Bob Dunn from the DEP issued RTN 2-17414.

1.2 Site Conditions

- The site is a CFI retail gasoline station and convenience store located at 1289 Main Street within a mixed commercial and residential zoned area in the City of Leominster, Worcester County, Massachusetts. Properties abutting the site include a residential property to the east, a former CVS to the south, Main Street to the west, beyond which a restaurant and North Street to the north, beyond which is a video store.

- According to the Leominster Tax Assessors', the site has been owned by VSH Realty, Inc. since July 29, 1982. Prior to this the site was owned by Mobile Foundation, Inc since November 24, 1981 and Mobil Oil Corporation since March 5, 1959. Therefore, it is assumed that the facility has been used as a retail gasoline station since at least 1959.

- The site currently consists of a convenience store building, three 8,000-gallon single-walled fiberglass USTs that were installed in August 1982, and two gasoline dispenser islands.

- Figure 1 identifies the regional location of the facility. Figure 2 and Figure 3 depicts the site and Figure 4 is a copy of the January 29, 2010 NRS Map.

1.3 Potential Receptors

- On February 9, 2010, AECOM submitted a Phase I Initial Site Investigation (Phase I) to the DEP. Based on information presented within the Phase I, the MADEP Site Scoring Map indicated no public water supplies or associated Zone II are located within 500 feet of the site. In addition, according to the MADEP Site Scoring Map, an Interim Wellhead Protection Area is located approximately 3,500 feet east of the site and the site is not located within a Potentially Productive Aquifer. It should be noted that a medium yield Potentially Productive Aquifer is located approximately 4,200 feet southwest of the site. According to the Environmental Data Resources, Inc. (EDR) presented within the Phase I, there are no private wells within 500 feet of the site. It should be noted that according to a representative of the city of Leominster Water Department and the City of Leominster Board of Health contacted on January 28, 2010, there are no private wells within 500 feet of the site. A detailed map was pieced together during the preparation of the Phase I with information provided by the town and no drinking water wells were identified within 500' from the site. In addition, AECOM contacted the Leominster Board of Health on June 1, 2010 and spoke to Christopher Knouth. Mr. Knouth indicated that the site was NOT within an Aquifer Protection District or Watershed area.

- Lake Whalom is located approximately 3,000 feet north-northeast of the site and an unnamed river is located approximately 1,300 feet east of the site. In addition, wetland habitat is located approximately 1,500 feet southeast of the site.

- The facility is located in a mixed commercial/residential area of Leominster, Massachusetts:

    - North – North Street, beyond which is a video store

    - South – Former CVS Pharmacy, beyond which are residential properties

    - West – Main Street, beyond which is the Weathervane Restaurant

    - East – Residential properties

1.4 Groundwater and Soil Classification

- Categories of groundwater and soil have been established in the Massachusetts Contingency Plan (MCP) for use in Risk Characterization. These categories are used to determine the applicability of the Method 1 Standards, as well as any other applicable or suitably analogous standards. Only one soil category is applicable to particular soils (although different categories may be appropriate for soils in different parts of a site), while each of the groundwater categories may apply to groundwater at the site.

- Based on current site use and activities, soil at the disposal site is classified as S-3 because the soil is potentially accessible (greater than 3 feet deep), children are present at low frequency, and on-site activities are low intensity. In order to be conservative and provide for unlimited future use of the disposal site, soil concentrations were also compared to the most stringent S-1 standards.

- Based on the review of the NRS map and information provided to AECOM, groundwater beneath the disposal site is classified as GW-2 within 30 feet of the existing occupied building because the average annual depth to groundwater in that area was observed to be less than 15 feet. GW-1 does not apply to the site since there are no current and/or potential drinking water source areas located near the facility. As defined in 310 CMR 40.0932, all groundwater at disposal sites shall be considered a potential source of discharge to surface water and therefore, GW-3 standards also apply to the site.

2.0 Immediate Response Action

Per the requirements of the MCP 310 CMR 40.0311(2) (b), 2-hour reporting conditions require the implementation of an IRA. The purpose of the IRA was to remove the source(s) of gasoline contamination and to implement response actions designed to evaluate if a potential Imminent Hazard (IH) Critical Exposure Pathway (CEP) or Substantial Release Migration (SRM) condition exists at the site as a result of the release. The following information describes the response actions implemented at the site.

2.1 Description of IRA Actions Completed to Date

The following information has been discussed in previous submittals:

- As discussed in the IRA Plan submitted to DEP on April 17, 2009, on February 10, 2009, following the identification of gasoline in the STP sump, CFI personnel shut down the

facility. CYN Environmental of Stoughton, MA (CYN) responded to the release and pumped approximately 70 gallons of a gasoline/water mixture from the three UST sumps. It is our understanding that approximately 25 gallons of gasoline was removed from the STP sump of the regular grade UST and that the remaining 45 gallons of liquid was pumped out of the other two UST sumps. The material was shipped off-site under a non-hazardous waste manifest to an authorized facility, EPS of Vermont located in Glenmont, NY.

- Tyree Organization of Westborough, MA (Tyree) responded to the release to repair a faulty o-ring associated with the functional element on the STP. AECOM personnel arrived on-site at 14:00 to assess potential impacts to the environment. Following completion of the repair made by Tyree, the pump was turned back on and Tyree personnel completed an inspection; there was no indication of a continued leak. It should be noted that there were approximately 10 gallons of frozen water at the bottom of the STP sump at the time of the release.

- At the time of AECOM's inspection, there was no olfactory evidence of vapor impacts to the convenience store building. In addition, a requirement specified in the Notice of Responsibility (NOR) was to screen any subsurface structures in the immediate area with an explosive gas meter to determine if any Imminent Hazard (IH) conditions exist and whether any of those structures have been impacted with gasoline. This was not completed due to the lack of subsurface structures in the immediate area of the release.

- On March 5, 2009, Tanknology, Inc. of Austin, Texas (Tanknology) was on-site to conduct confirmation tightness testing of the fuel line associated with the regular grade UST, which includes the STP pump that was repaired. Based on the test results, the fuel line tested tight.

- On April 16, 2009, Tanknology was on-site to conduct a hydrostatic test of the STP sump for the regular grade UST. The hydrostatic test was conducted to evaluate the competency of the sump. Based on the test results, the STP sump failed the tightness test. This was verbally communicated to AECOM on April 16, 2009.

- On April 17, 2009, Tanknology returned to the site and made the necessary repairs to the STP sump based on the April 16th STP hydrostatic failing results. Following the repairs, Tanknology conducted an additional hydrostatic test on the STP sump to verify that the repairs worked and that the sump was tight. Based on the results of the second hydrostatic test, the STP sump tested tight.

- On June 12, 2009, AECOM oversaw the advancement of three monitoring wells (MW-1 through MW-3) by Technical Drilling Services (TDS) of Sterling, Massachusetts. Refer to Figures 2 and 3 for locations of monitoring wells. The purpose of the monitoring well installation was to assess potential impacts to soil and groundwater as a result of the failed STP sump discussed above. Three 2-inch monitoring wells were installed utilizing a hollow stem auger rig to a total depth of 18-feet below surface grade (BSG). Soil samples were collected continuously with depth at each boring utilizing split spoons. Soil samples collected from each boring were field screened with a photoionization detector (PID) meter for the presence of volatile organic compounds (VOCs). PID readings ranged from 17.9 parts-per-million (ppm) to 1,780 ppm within the boring for monitoring well MW-1 (B1). Field screening of soil samples from the borings for monitoring well MW-2 (B2) monitoring well MW-3 (B3) ranged from BDL to >2,000 ppm. Groundwater was encountered between 12 and 14 feet BSG in monitoring well MW-1, at approximately 10-11 feet BSG in monitoring well MW-2 and between 8-10 feet within monitoring well MW-3. Soil samples were

collected from the 2-4 foot and 8-16 foot range for monitoring well MW-1, MW-2 and from the 2-4 foot and 4-14 foot range for monitoring well MW-3. Soil samples were submitted to GeoLabs (GEO) of Braintree Massachusetts for laboratory analysis of Volatile Petroleum Hydrocarbons (VPH).

- Based on the soil analytical results for the June 12, 2009 drilling event, C5-C8 aliphatic hydrocarbons were detected above Method 1 S-1/GW-2 and S-1/GW-3 standards in soil borings MW-1 (8-16'), MW-2 (8-16') and MW-3 (4-14'). C9-C10 aromatic hydrocarbons were also noted above the Method 1 S-1 standards within the soil boring for monitoring well MW-3 (4-14'). Soil analytical results are presented in Table 1.

- On July 10, 2009, AECOM personnel surveyed three monitoring wells (MW-1 through MW-3) to an arbitrary datum (southwest corner of the CFI facility) to 100' above mean sea level.

- On July 10, 2009, prior to collecting groundwater samples, AECOM developed monitoring wells MW-1, MW-2 and MW-3 which were installed on June 12, 2009.

- On July 10, 2009, AECOM gauged and sampled groundwater from monitoring wells MW-1 through MW-3. AECOM did not identify any Light non aqueous phase liquid (LNAPL) within the three newly installed monitoring wells (MW1 through MW-3). Samples were submitted to GEO for analysis of VPH and analytical results indicated concentrations above the applicable standards within monitoring wells MW-2 and MW-3. Please refer to the historical groundwater sampling table (Table 2).

- In an effort to further delineate soil and groundwater impacts, on September 23, 2009, AECOM oversaw the advancement of three monitoring wells (MW-4 through MW-6) by TDS. Refer to Figures 2 and 3 for locations of wells MW-4 through MW-6. Three 2-inch monitoring wells were installed to a total depth of 15-feet BSG utilizing a hollow stem auger rig. Soil samples were collected continuously at each boring location utilizing split spoons. Soil samples collected from each boring were field screened with a PID meter for the presence of VOCs. PID readings ranged from BDL to >2,000 ppm within monitoring well MW-4 (B4), BDL to 1,631 ppm and from BDL to 1,347 ppm in the boring for monitoring wells MW-4, MW-5 and MW-6 respectively. Groundwater was encountered between 7 and 9 feet BSG in monitoring wells MW-4, MW-5 and MW-6. Soil samples were collected from the 8-12 foot range from the boring for monitoring well MW-4, the 9-14 foot and 14.5-15 foot range from the boring for monitoring well MW-5 and from the 7-13 foot range from the boring for monitoring well MW-6. Soil samples were submitted to GEO for laboratory analysis of VPH.

- Based on the soil analytical results for the September 23, 2009 drilling event, C5-C8 aliphatic hydrocarbons were detected above Method 1 S-1/GW-2 and S-1/GW-3 standards in soil borings MW-4 (8-12'), MW-5 (9-14')(14.5-15') and MW-6 (7-13'). The C9-C10 aromatic hydrocarbons were analyzed for the borings associated with monitoring wells MW-5 (9-14') and MW-6 (7-13') were above the Method 1 S-1 standards. In addition, xylenes were detected in the soil sample associated with monitoring well MW-4 (8-12') above the Method 1 S-1/GW-2 and S-1/GW-3 standards. Soil analytical results are presented in Table 1.

- On September 23, 2009 during the installation of monitoring wells MW-4 through MW-6, monitoring well MW-3 was gauged and AECOM personnel identified 0.25 inches LNAPL within monitoring well MW-3 utilizing a polyethylene bailer. Following the detection of LNAPL within monitoring well MW-3, AECOM conducted periodic gauging events using an

oil water interface probe on September 25, September 30 and October 8, 2009. Based on the three gauging events, LNAPL levels slowly decreased from .09', .09' to .04' respectively. It should be noted that following each gauging event, the LNAPL thickness in well MW-3 was also checked using a 2" disposable bailer. Based on the measured LNAPL thickness within the bailer, LNAPL levels were measured at less than 1/2 inch on each of those three occasions. LNAPL has not been detected within any of the other wells associated with RTN 2-17414. Please refer to Table 3 for historical gauging results.

- On September 30, 2009, AECOM personnel surveyed three monitoring wells (MW-4 through MW-6) and tied them into the existing well elevations.

- On September 30, 2009, AECOM personnel performed a soil gas survey adjacent to the southern wall of the facility building in order to evaluate the potential for impacts to indoor air. Using the approach documented in the October 2002 implementation of the DEP VPH/Extractable Petroleum Hydrocarbon (EPH) Approach, AECOM installed two soil gas probes (SG-1 and SG-2) along the southern wall of the facility. The probes were constructed of copper and were advanced by hand to a depth of approximately 3.5 to 4-feet BSG in order to facilitate the collection of a sample from just below the lowest (building footing) elevation within the facility structure. Using a PID (calibrated to isobutylene) the soil gas probes were purged for approximately ten minutes and screened every minute for volatile vapors during the purging process. PID screening results for both locations were recorded as below the instrument detection limits. Please refer to Figure 2 for the location of the soil gas points.

- On October 8, 2009, AECOM gauged the six site wells and collected groundwater samples from monitoring wells MW-1, MW-2, MW-4 through MW-6. It should be noted that groundwater sample was not collected from monitoring well MW-3 based on the presence of LNAPL. Samples were submitted to GEO for analysis of VPH and analytical results indicated groundwater samples collected from monitoring wells MW-1, MW-2, MW-4 and MW-6 exceeded the applicable standards for one or more VPH constituents and well MW-5 was below the applicable standard. Please refer to Table 2 for a summary of the groundwater analytical results.

The following information has not been discussed in previous submittals:

- On January 8, 2010, AECOM gauged the six site wells and collected groundwater samples from monitoring wells MW-1, MW-2 and MW-4 through MW-6. It should be noted that groundwater sample was not collected from monitoring well MW-3 based on the presence of a skim of LNAPL. Please refer to Table 3 for historical LNAPL and groundwater gauging results. Samples were submitted to GEO for analysis of VPH and analytical results indicated groundwater samples collected from monitoring wells MW-1, MW-2, MW-4 and MW-6 exceeded the applicable standards for one or more VPH constituents. Please refer to Table 2 for a summary of the groundwater analytical results and Attachment B for a copy of the laboratory analytical report.

- On April 2, 2010, AECOM personnel installed a permanent soil gas point (SG-1A) and performed a soil gas survey adjacent to the southern wall of the facility building in order to evaluate the potential for impacts to indoor air. This vapor point was installed as a permanent point so future vapor screening activities could be conducted. Using the approach documented in the October 2002 implementation of the DEP VPH/EPH Approach, AECOM installed one soil gas probe, SG-1A, along the southern wall of the facility. The probe was constructed of copper and was advanced by hand to a depth of

approximately 3.5 to 4-feet BSG in order to facilitate the collection of a sample from just below the lowest (building footing) elevation within the facility structure. Using a PID (calibrated to isobutylene) the soil gas probe was purged for approximately ten minutes and screened every minute for volatile vapors. PID screening results for the location was recorded as below the instrument detection limits. Please refer to Figure 2 for the location of the soil gas points.

- On April 7, 2010, AECOM gauged the six site monitoring wells and collected groundwater samples from monitoring wells MW-1 through MW-6. It should be noted that LNAPL was not detected within well MW-3 during this gauging event; therefore a groundwater sample was collected from well MW-3. Samples were submitted to GEO for analysis of VPH and analytical results indicated groundwater samples collected from monitoring wells MW-3 and MW-4 exceeded the applicable standards for one or more VPH constituents. Please refer to Table 2 for a summary of the groundwater analytical results and Attachment B for a copy of the laboratory analytical report.

- In an effort to further delineate soil and groundwater impacts and evaluate a potential condition of Substantial Release Migration (SRM), on April 8, 2010, AECOM oversaw the advancement of four monitoring wells (MW-7 through MW-10) by TDS. Refer to Figures 2 and 3 for locations of wells MW-7 through MW-10. Four 2-inch monitoring wells were installed to a total depth of 12-feet BSG utilizing a Geoprobe unit. Soil samples were collected continuously at each boring location utilizing acetate Geoprobe liners. Soil samples collected from each boring were field screened with a portable PID for the presence of VOCs. PID readings ranged from BDL to 261 ppm, BDL to 2.5 ppm, BDL to 2.5 ppm in the borings for monitoring wells MW-7, MW-8 and MW-9 respectively, and soil samples screened from the boring associated with well MW-10 were all BDL. Groundwater was encountered between 8 and 9 feet BSG in monitoring wells MW-7 and MW-8, between 7 and 8 feet BSG in monitoring well MW-9 and between 6 and 7 feet within well MW-10. Soil samples were collected from the 0 to 3 foot and 8 to 15 foot range from the boring for well MW-7 and 3 to 5 foot range from the boring for well MW-10. In addition, it should be noted that a duplicate sample from well MW-7 (8 to 15 foot range) was collected. Soil samples were submitted to GEO for laboratory analysis of VPH. Please refer to Attachment C for a copy of the boring logs and well completion reports for wells MW-7 through MW-10.

- Based on the soil analytical results for the April 8, 2010 drilling event, soil concentrations were below the laboratory detection limit and/or below the applicable standard. Soil analytical results are presented in Table 1 and copies of the laboratory analytical reports are included in Attachment B.

- On April 15, 2010, prior to collecting groundwater samples, AECOM developed monitoring wells MW-7, MW-8, MW-9 and MW-10 which were installed on April 8, 2010. In addition to well development and groundwater sampling, AECOM personnel surveyed the four new monitoring wells using monitoring well MW-6 as a known elevation to tie into the survey previously conducted at the site.

- On April 15, 2010, AECOM gauged and sampled groundwater from monitoring wells MW-7 through MW-10. AECOM did not identify any LNAPL within the four newly installed monitoring wells (MW-7 through MW-10). Samples were submitted to GEO for analysis of VPH and analytical results indicated xylene concentrations exceeded the applicable GW-3 standards within monitoring well MW-7. Please refer to the historical groundwater analytical results (Table 2).

- On April 30, 2010, AECOM returned to the site to complete a comprehensive gauging event. AECOM gauged monitoring wells MW-1 through MW-10. Based on the gauging data collected on April 30, 2010 it was determined that groundwater flow was to the north, northeast direction, which is consistent with historical groundwater flow data. The April 30, 2010 groundwater elevation and flow direction is depicted in Figure 3, Groundwater Topography Map.

3.0 Substantial Hazard Evaluation

Based on the recent soil gas air screening events (three in total) indicating that a direct exposure pathway currently does not exist from the soil gas points to the inside ambient air, no complete exposure pathways or risks to human health, safety, public welfare and the environment currently exist with respect to the site.

4.0 Remediation Waste Disposition

Cyn was on-site May 4, 2010 and removed 700 pounds of drill cuttings associated with the April 8, 2010 drilling event and 55-gallons of well development water associated with well development activities conducted on April 15, 2010. Please refer to the IRA Plan submitted to DEP on April 17, 2009, IRA Status # 1 submitted to DEP on June 16, 2009 and IRA Status #2 submitted to DEP on December 9, 2009 for historical waste information. Please refer to Attachment D for a copy of the non hazardous waste manifest.

5.0 Findings of the IRA

- On February 10, 2009, approximately 25 gallons of gasoline was released from a STP sump associated with the regular grade UST. The spill was reported to the DEP as a release/spill greater than 10 gallons on February 10, 2009. The DEP granted verbal IRA approval to perform cleanup activities, investigation and evaluation, including removal of product from the sump, assessment of impact to the environment/indoor air and repair of the leak. Following notification, Mr. Bob Dunn from the DEP issued RTN 2-17414. Per 310 CMR 40.0412(1), a 2-hour reporting condition required the implementation of an IRA. The purpose of the IRA was to remove the source(s) of gasoline contamination and to implement response actions designed to evaluate potential IH, CEP and SRM conditions.

- In an effort to evaluate the potential for indoor air impacts, AECOM performed a soil gas survey adjacent to the southern wall of the facility building in order to evaluate the potential for indoor air impacts. Using a PID, (calibrated to isobutylene) the soil gas probes were purged for approximately 10 minutes and screened every minute for volatile vapors. PID screening for both (SG-1 and SG-2) were recorded as below the instrument detection limits. In addition, an additional permanent soil gas point (SG-1A) was installed. AECOM purged the point for approximately 10 minutes and then screened it every minute for volatile vapors. PID screening for (SG-1A) was recorded as below the instrument detection limits.

- Based on the results of this survey, it is AECOM's opinion that there are no potential imminent hazards for vapor migration into the facility building.

- As indicated in the February 9, 2010 Phase I Report and based on the recent groundwater and soil analytical results collected, soil and groundwater impacts at the site are currently above the applicable Method 1 / GW-2 & GW-3 Standards. Based on several air screening

events discussed above, these screening events ultimately dismiss vapor intrusion (GW-2 standards within 30 feet from an occupied building) based on the lack of vapors detected during the air screening events. In addition, based on the proximity of the nearest surface water body (Lake Whalom located approximately 3,000 feet north-northeast of the site) and that the furthest downgradient wells (MW-9 and MW-10) are below applicable groundwater standards, it is AECOMs opinion that groundwater can be ruled out as a potential discharge to surface water (GW-3). Based on information collected and a review of laboratory analytical data, site conditions currently do not represent significant risk of harm to health, safety, public welfare or the environment.

- Based on the results of the two soil gas screening events completed at the site, a pathway between the subsurface and the building does not currently exist. AECOM will periodically screen vapor point SG-1A during future groundwater sampling events to ensure that a vapor pathway does not exist between the subsurface and the facility.

- All remediation waste generated as part of this IRA has been properly removed from the site. In AECOM's opinion, the objectives of the IRA have been met:

    - The faulty o-ring associated with the functional element on the STP was repaired;
    - The leak in the STP sump was repaired;
    - Based on the investigation conducted, there are no IH, CEP or SRM conditions at the site.

    However, additional response actions are required to determine if a condition of significant risk to human health, safety, public welfare and the environment exists at the site. This will be conducted under on-going Phase II response actions.

Per the public notification requirements of the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000, public notification letters were submitted to the Leominster Department of Public Works for soil samples collected on April 8, 2010 and groundwater samples collected on April 15, 2010 on city property. Copies of these letters are provided in Attachment E.

If you have any questions regarding the information presented in this report please do not hesitate to contact the undersigned.

Yours sincerely,

Mark F. Newell
Project Manager

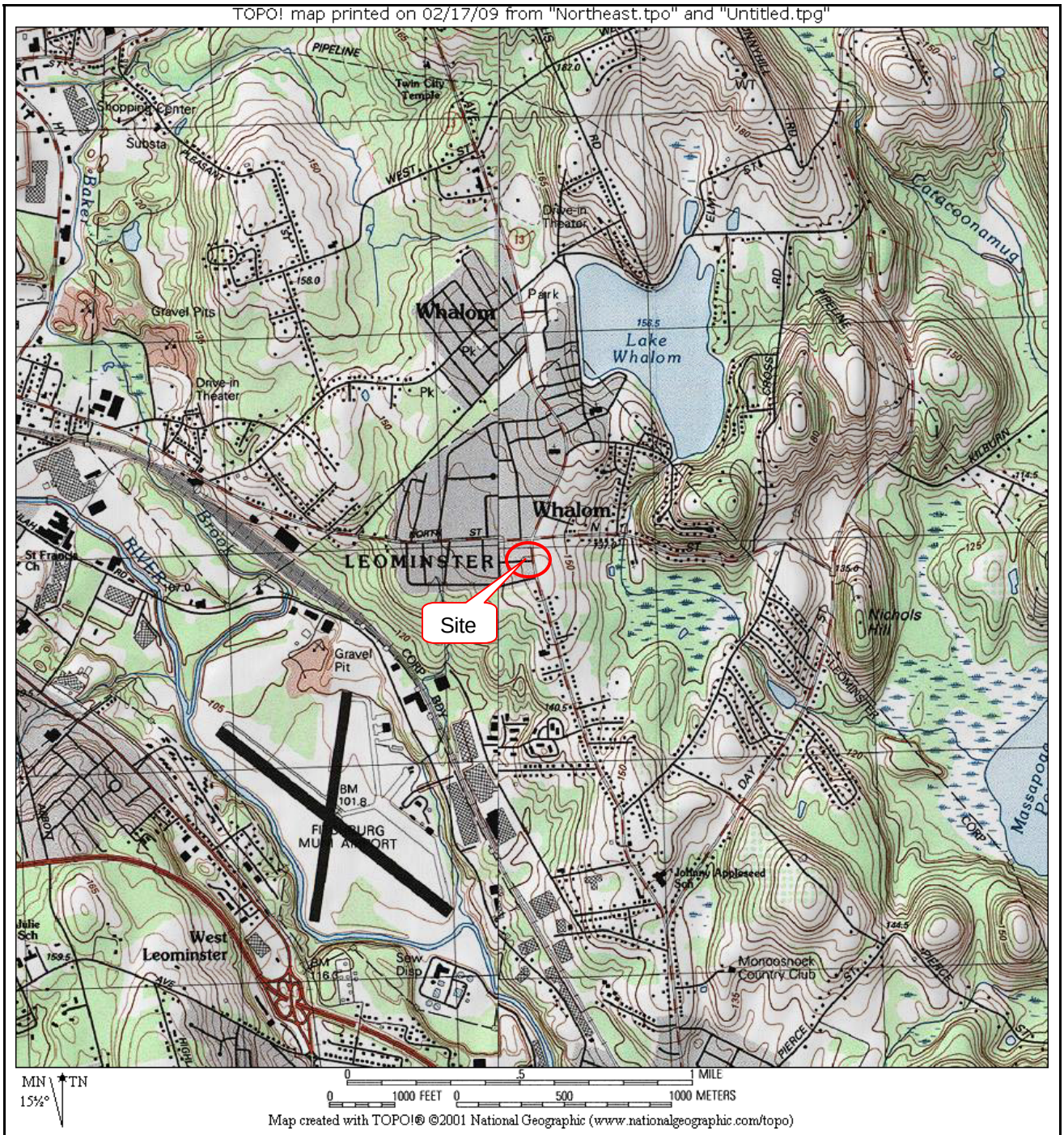
Melissa J. Cannon
CFI Program Manager

Christopher G. Mariano, P.G., LSP
Senior Hydrogeologist

Tables
Figures
Attachments

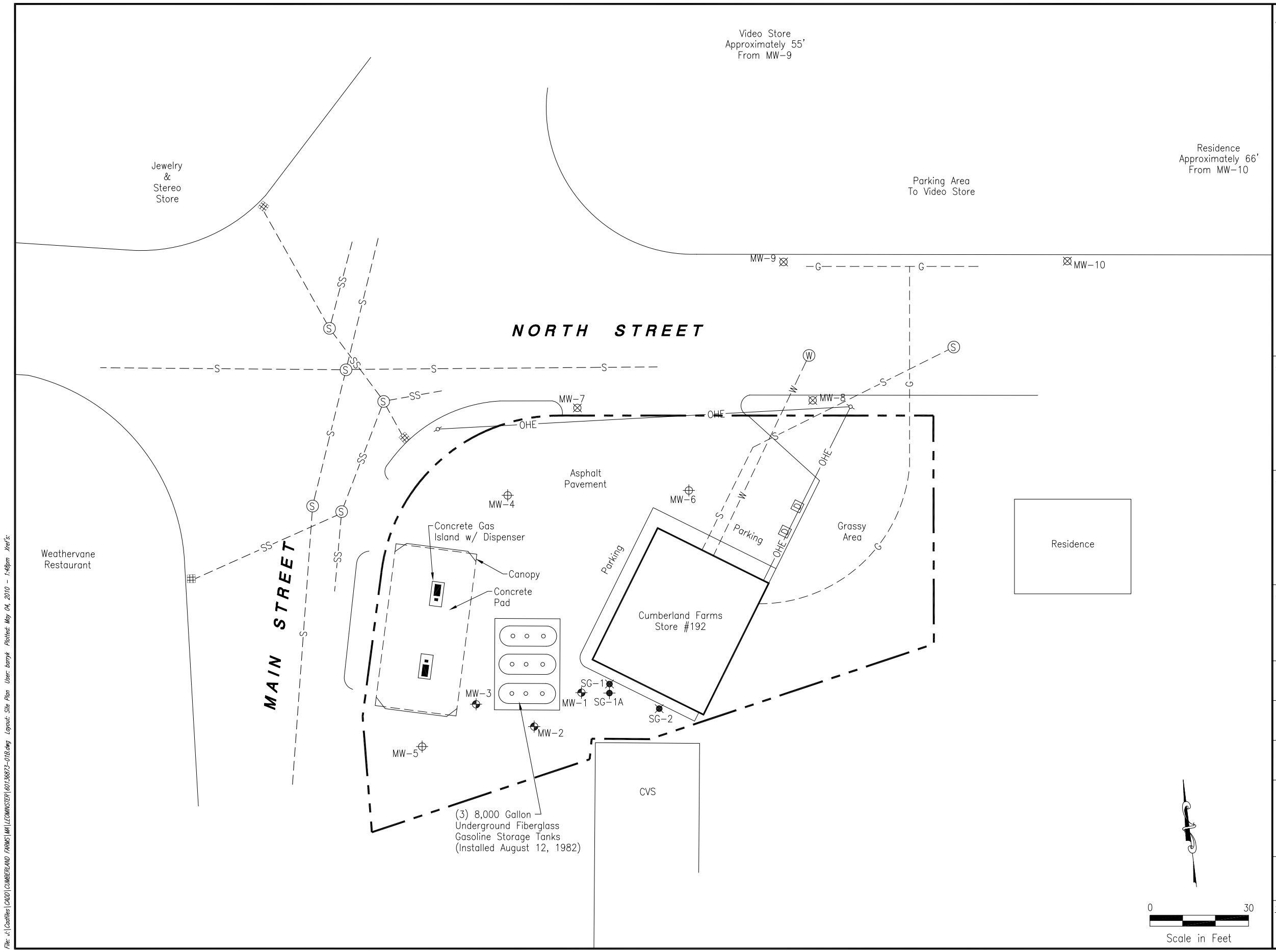
cc: Christopher Johnson – CFI

Figures



AECOM	**Cumberland Farms, Inc.** **100 Crossing Boulevard** **Framingham, Massachusetts**	Site Location Map CFI Facility # 2141 1289 Main Street (Route 13) Leominster, Massachusetts **File # 60136873** **Figure 1**

J:\Northboro\PST\CFI 2140\Massachusetts 2140\Leominster-393 NEW\Reports\IRAC\Figure 1 Site Locus.doc



LEGEND:

- Property Boundary
- OHE — Overhead Electric Line
- W — Underground Water Line
- G — Underground Gas Line
- S — Underground Sewer Line
- SS — Underground Storm Sewer Line
- Catch Basin
- Utility Pole
- D — Dumpster
- SG-1 — Temporary Soil Gas Point Installed Sept. 30, 2009 by AECOM
- SG-1A — Perminent Soil Gas Point Installed 4/2/10 by AECOM
- MW-1 — Monitoring Well Installed June 12, 2009 by AECOM
- MW-4 — Monitoring Well Installed Sept. 23, 2009 by AECOM
- MW-7 — Monitoring Well Installed 4/8/10 by AECOM

CLIENT

Cumberland Farms
Business Support Campus
100 Crossing Boulevard
Framingham, Massachusetts 01702

PROJECT TITLE

Phase II Assessment
Cumberland Farms Facility #2141
1289 Main Street
Leominster, Massachusetts

FIGURE TITLE

Site Plan

APPROVED BY	REVIEWED BY
D. Espy	M. Newell
DRAWN BY	SCALE
K.Barry	1" = 30'
JOB NUMBER	DATE
60136873	May 2010

AECOM Environment
2 Technology Park Drive
Westford, MA 01886
(978) 589-3000

Figure 2

SHEET

AECOM

File: J:\Cadfiles\CAD0\CUMBERLAND FARMS\MA\LEOMINSTER\60136873-018.dwg Layout: Site Plan User: barryk Plotted: May 04, 2010 - 1:48pm Xref's:

Video Store
Approximately 55'
From MW-9

Residence
Approximately 66'
From MW-10

Jewelry
&
Stereo
Store

Parking Area
To Video Store

MW-9
80.86

MW-10
79.33

NORTH STREET

83.19
MW-7

81.98
MW-8

80.00

82.00

84.00

86.00

Asphalt
Pavement

MW-4
85.07

MW-6
84.20

Concrete Gas
Island w/ Dispenser

Canopy

Concrete
Pad

Parking

Parking

Grassy
Area

Cumberland Farms
Store #192

Residence

Weathervane
Restaurant

MAIN STREET

MW-3
86.30

SG-1

MW-1
86.29

SG-1A

SG-2

MW-2
86.05

MW-5
86.48

CVS

(3) 8,000 Gallon
Underground Fiberglass
Gasoline Storage Tanks
(Installed August 12, 1982)

0 30
Scale in Feet

LEGEND:

- Property Boundary
- OHE — Overhead Electric Line
- W — Underground Water Line
- G — Underground Gas Line
- S — Underground Sewer Line
- SS — Underground Storm Sewer Line
- Catch Basin
- Utility Pole
- D — Dumpster
- SG-1 — Temporary Soil Gas Point Installed Sept. 30, 2009 by AECOM
- SG-1A — Perminent Soil Gas Point Installed 4/2/10 by AECOM
- MW-1 — Monitoring Well Installed June 12, 2009 by AECOM
- MW-4 — Monitoring Well Installed Sept. 23, 2009 by AECOM
- MW-7 — Monitoring Well Installed 4/8/10 by AECOM
- Groundwater Elevation Contour (Dashed Where Inferred) Arrow Indicates Direction of Flow

CLIENT

Cumberland Farms
Business Support Campus
100 Crossing Boulevard
Framingham, Massachusetts 01702

PROJECT TITLE

Phase II Assessment
Cumberland Farms Facility #2141
1289 Main Street
Leominster, Massachusetts

FIGURE TITLE

Groundwater Contour Map April 30, 2010

APPROVED BY	REVIEWED BY
D. Espy	M. Newell
DRAWN BY	SCALE
K.Barry	1" = 30'
JOB NUMBER	DATE
60136873	May 2010

AECOM Environment
2 Technology Park Drive
Westford, MA 01886
(978) 589-3000

Figure 3

SHEET

AECOM

File: J:\Cadfiles\CADD\CUMBERLAND FARMS\MA\LEOMINSTER\60136873-018.dwg Layout: GW-30-10 User: barryk Plotted: May 04, 2010 - 2:13pm Xref's:

MA DEP - Bureau of Waste Site Cleanup

Site Scoring Map: 500 feet & 0.5 Mile Radii

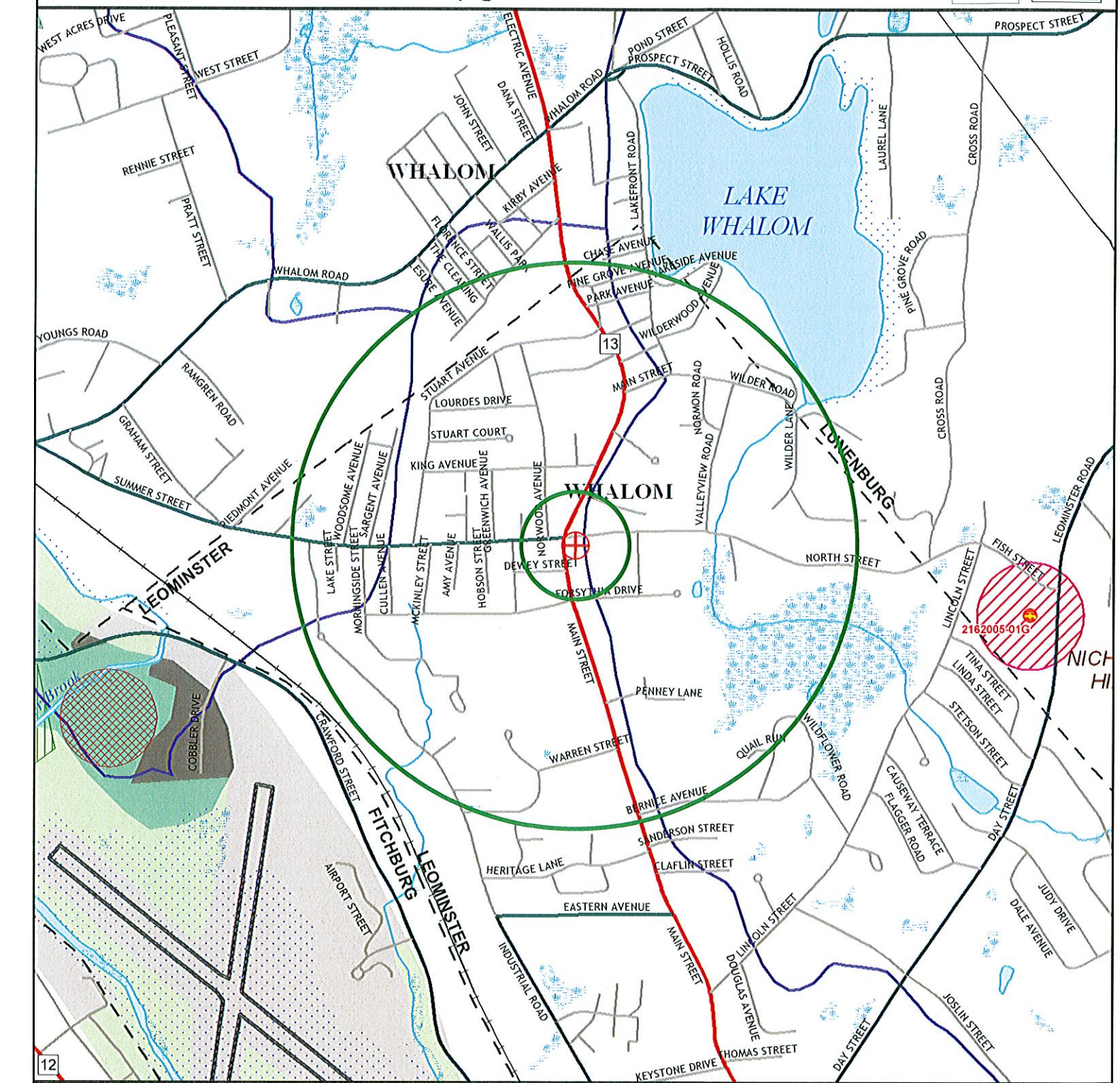
SITE NAME:

Cumberland Farms Facility 2141
1289 Main Street (Route 13)
Leominster 01453
NAD83 Coordinates 923922 179696

Site Location
RTN: 2-17414

The information shown on this map is the best available at the date of printing. Please refer to the data source descriptions document.

MASS GIS — Office of Geographic and Environmental Information
Massachusetts Executive Office of Energy & Environmental Affairs



Roads: Limited Access, Divided, Major Road, Connector, Street, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dams

Potentially Productive Aquifers: Medium,High Yield .....

Non-Potential Drinking Water Source Area: Medium,High Yield

EPA Sole Source Aquifer; FEMA 100-year floodplain .....

Public Water Supplies: Ground,Surface,Non Community

Approved Zone2; IWPA; Surface Water Supply Zone A

Hydrography: Open Water, Reservoir, Tidal Flat .....

Wetlands: Fresh,Salt,NHESP Wetlands Habitat .....

Cranberry Bog; Protected Open Space; ACEC .....

DEP Permitted Solid Waste Landfills; Certified Vernal Pools ..

N NW NE W E SW SE S

SCALE 1:15,000

0 0.3 0.6 Miles
0 0.3 0.6 Kilometers

January 29, 2010

Tables

TABLE 1

Soil Analytical Results
Cumberland Farms, Inc. Facility # 852410
Leominster, Massachusetts
RTN 2-17414

6/12/2009-4/8/2010

Sample ID	B-1 (2-4')	B-1 (8-16')	B-2 (2-4')	B-2 (8-16')	B-2 (16-18')	B-3 (2-4')	B-3 (4-14')	B4 (8-12')	B-5 (9-14')	B-5 (14.5-15')	B-6 (7-13')	MW-7 (0-3')	MW-7 (8-15')	DUP	MW-10 (3-5')		
	MW-1	MW-1	MW-2	MW-2	MW-2	MW-3	MW-3	MW-4	MW-5	MW-5	MW-6	MW-7	MW-7	MW-7	MW-10		
Depth	2-4'	8-16'	2-4'	8-16'	16-18'	2-4'	4-14'	8-12'	9-14'	14.5-15'	7-13'	0-3'	8-15'	8-15'	3-5'	S-1/GW-2	S-1/GW-3
PID	204.0 ppm	635-1780 ppm	20.6 ppm	1478-2470 ppm	56.7 ppm	136.0 ppm	492-3406 ppm	1,931-2,732 ppm	1,017-1,631 ppm	42.8 ppm	130-1,347 ppm	9.6 ppm	11.1 to 261 ppm	11.1 to 261 ppm	BDL		
Collection date	6/12/2009	6/12/2009	6/12/2009	6/12/2009	6/12/2009	6/12/2009	6/12/2009	9/23/2009	9/23/2009	9/23/2009	9/23/2009	4/8/2010	4/8/2010	4/5/2010	4/8/2010		
VPH																	
Aliphatics/Aromatics (mg/Kg)																	
C5-C8 Aliphatics	<27.2	110	<28.7	427	<28.1	43.6	176	378	357	263	296	<27.5	<27.5	<27.5	<18.9	**100**	**100**
C9-C12 Aliphatics	<27.2	<29.4	<28.7	<27.8	<28.1	<26.0	<28.7	817	<28.1	<28.1	<28.4	<27.5	<27.5	<27.5	<18.9	**1,000**	**1,000**
C9-C10 Aromatics	<27.2	70.4	<28.7	35.4	<28.1	<26.0	141	<27.2	883	59	179	<27.5	<27.5	<27.5	<18.9	**100**	**100**
Targeted Analytes (mg/Kg)																	
Benzene	<0.543	<0.588	<0.575	<0.556	<0.562	<0.521	1.52	<0.543	<0.562	<0.562	<0.568	<0.549	<0.549	<0.549	<0.379	**30**	**30**
Toluene	<0.543	4.04	<0.575	2.67	<0.562	<0.521	18.5	227	<0.562	<0.562	10.0	<0.549	1.05	4.81	<0.379	**500**	**500**
Ethylbenzene	<0.543	4.82	<0.575	2.44	<0.562	<0.521	9.20	127	12.9	<0.562	11.80	<0.549	<0.549	2.85	<0.379	**500**	**500**
Xylenes (mixed isomers)	<1.086	24.24	<1.15	13.27	<1.124	<1.042	44	676	24.4	<1.124	55.4	<1.098	2.376	13.94	<0.758	**300**	**500**
Methyl-tert-butyl ether	<0.0543	<0.0588	<0.0575	<0.0556	<0.0562	<0.0521	<0.0575	33.5	<0.0562	<0.0562	<0.0568	<0.0549	2.03	<0.0549	<0.0379	**100**	**100**
Naphthalene	<1.09	1.75	<1.15	1.19	<1.12	<1.04	1.90	27.40	<1.12	<1.12	<1.14	<1.10	<1.10	1.31	<0.758	**40**	**500**

MCP Method 1 Standards = Standards promulgated in the February 14, 2008 revisions to the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000.
PPM = Parts-per-million
BDL = Below instrument detection limits
Shaded value = Exceeds applicable standard
VPH = Volatile petroleum hydrocarbons.
mg/Kg = milligrams per Kilogram (parts-per-million)

TABLE 2

Historical Groundwater Analytical Results
Cumberland Farms, Inc. Facility #2141
1289 Main Street
Leominster, Massachusetts

RTN 2-17414

Well/ Sampling Date	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
MW-1 (GW 2/3)									
7/10/2009	696	1,570	1,050	174	527	373	1,167	223	65
10/8/2009	5,330	130	2,770	7,110	16,800	2,630	8,570	760	403
1/8/2010	24,900	4,870	5,060	3,260	4,340	2,090	5,780	285	227
4/7/2010	1,600	<100	648	359	278	408	759	<5	54
MW-2 (GW 2/3)									
7/10/2009	772	9,712	10,000	483	1,830	1,020	4,470	505	282
10/8/2009	2,780	<75	8,200	720	707	2,490	4,812	279	718
1/8/2010	12,400	5,590	9,760	1,110	1,480	3,030	6,320	329	979
4/7/2010	1,950	<100	3,590	155	996	1,380	4,396	<5	359
MW-3 (GW/3)									
7/10/2009	<75	14,400	10,900	**11,600**	**48,400**	3,470	**15,880**	<5	358
10/8/2009	Not Sampled Based On Skim LNAPL								
1/8/2010	Not Sampled Based On Skim LNAPL								
4/7/2010	7,400	<100	10,600	6,400	48,500	6,090	28,710	<5	486
MW-4 (GW/3)									
7/10/2009	---	---	---	---	---	---	---	---	---
10/8/2009	<75	<75	14,700	4,710	34,700	6,550	**33,800**	98,600	<4,000
1/8/2010	122,000	19,400	14,300	3,520	24,000	5,330	27,630	42,200	676
4/7/2010	<75	<100	8,220	3,290	18,500	4,720	25,750	11,100	914
MW-5 (GW/3)									
7/10/2009	---	---	---	---	---	---	---	---	---
10/8/2009	2,520	<75	11,700	<5	276	1,760	706	318	<5
1/8/2010	4,770	2,840	7,050	<5	213	942	3,168	615	184
4/7/2010	543	<100	484	<5	<5	63.1	233.8	<5	<20
MW-6 (GW 2/3)									
7/10/2009	---	---	---	---	---	---	---	---	---
10/8/2009	2,800	<75	12,100	498	12,700	5,230	25,400	<5	1,230
1/8/2010	16,500	6,220	7,140	<5	2,820	2,020	8,920	<5	360
4/7/2010	1,590	<100	1,470	<5	933	493	2,178	<5	106
MW-7 (GW 3)									
4/15/2010	<75	<100	4,230	1,830	11,100	2,970	11,780	17,700	982
MW-8 (GW 3)									
4/15/2010	<75	<100	<75	<5	49.3	18.6	94.7	<5	<20
MW-9 (GW 3)									
4/15/2010	<75	<100	<75	21.3	34.4	10.6	50.1	<5	<20
MW-10 (GW 3)									
4/15/2010	<75	<100	<75	<5	<5	<5	<10	<5	<20
GW-1	**300**	**700**	**200**	**5**	**1,000**	**700**	**10,000**	**70**	**140**
GW-2	**3,000**	**5,000**	**7,000**	**2,000**	**50,000**	**20,000**	**9,000**	**50,000**	**1,000**
GW-3	**50,000**	**50,000**	**50,000**	**10,000**	**40,000**	**5,000**	**5,000**	**50,000**	**20,000**

µg/L - micrograms per liter
MTBE - Methyl Tertiary-butyl Ether
Shading indicates concentration is present above applicable Standards
GW-1 = Massachusetts Category GW-1 Standards
GW-2 = Massachusetts Category GW-2 Standards
GW-3 = Massachusetts Category GW-3 Standards
MCP Groundwater Standards Changed 2/08
LNAPL = Light non aqueous phase liquid

TABLE 3

Historical Groundwater Elevation Measurements
Cumberland Farms, Inc. Facility # 2141
Leominster, Massachusetts
RTN 2-17414

WELL ID	DATE	WELL ELEVATION	DEPTH TO WATER	DEPTH TO PRODUCT	PRODUCT THICKNESS	CORRECTE DEPTH	WATER TABLE ELEVATION
MW-1							
	7/10/2009	91.65	5.58	ND	ND	NA	86.07
	9/23/2009	91.65	7.45	ND	ND	NA	84.20
	9/25/2009	91.65	7.54	ND	ND	NA	84.11
	9/30/2009	91.65	7.65	ND	ND	NA	84.00
	10/8/2009	91.65	7.87	ND	ND	NA	83.78
	1/8/2010	91.65	6.91	ND	ND	NA	84.74
	4/7/2010	91.65	4.36	ND	ND	NA	87.29
	4/15/2010	91.65	NM	NM	NM	NM	NM
	4/30/2010	91.65	5.36	ND	ND	NA	86.29
MW-2							
	7/10/2009	91.79	6.00	ND	ND	NA	85.79
	9/23/2009	91.79	7.69	ND	ND	NA	84.10
	9/25/2009	91.79	7.78	ND	ND	NA	84.01
	9/30/2009	91.79	7.87	ND	ND	NA	83.92
	10/8/2009	91.79	8.03	ND	ND	NA	83.76
	1/8/2010	91.79	7.41	ND	ND	NA	84.38
	4/7/2010	91.79	4.88	ND	ND	NA	86.91
	4/15/2010	91.79	NM	NM	NM	NM	NM
	4/30/2010	91.79	5.74	ND	ND	NA	86.05
*MW-3							
	7/10/2009	91.79	5.73	ND	ND	NA	86.06
	9/23/2009	91.79	7.50	1/4" in bailer	1/4" in bailer	NA	NC
	*9/25/2009	91.79	7.55	7.46	0.09	7.47	84.32
	*9/30/2009	91.79	7.61	7.52	0.09	7.53	84.18
	*10/8/2009	91.79	7.80	7.76	0.04	7.77	83.99
	*1/8/2010	91.79	7.17	7.17	Skim	NA	84.62
	4/7/2010	91.79	4.65	ND	ND	NA	84.62
	4/15/2010	91.79	NM	NM	NM	NM	NM
	4/30/2010	91.79	5.49	ND	ND	NA	86.30
MW-4							
	9/25/2009	90.82	7.48	ND	ND	NA	83.34
	9/30/2009	90.82	7.48	ND	ND	NA	83.34
	10/8/2009	90.82	7.49	ND	ND	NA	83.33
	1/8/2010	90.82	6.63	ND	ND	NA	84.19
	4/7/2010	90.82	4.81	ND	ND	NA	86.01
	4/15/2010	90.82	NM	NM	NM	NM	NM
	4/30/2010	90.82	5.75	ND	ND	NA	85.07
MW-5							
	9/25/2009	91.82	7.32	ND	ND	NA	84.50
	9/30/2009	91.82	7.42	ND	ND	NA	84.40
	10/8/2009	91.82	7.53	ND	ND	NA	84.29
	1/8/2010	91.82	6.92	ND	ND	NA	84.90
	4/7/2010	90.82	4.66	ND	ND	NA	86.16
	4/15/2010	90.82	NM	NM	NM	NM	NM
	4/30/2010	90.82	5.34	ND	ND	NA	85.48
MW-6							
	9/25/2009	90.02	8.10	ND	ND	NA	81.92
	9/30/2009	90.02	8.22	ND	ND	NA	81.80
	10/8/2009	90.02	8.31	ND	ND	NA	81.71
	1/8/2010	90.02	6.79	ND	ND	NA	83.23
	4/7/2010	90.02	4.70	ND	ND	NA	85.32
	4/15/2010	90.02	NM	NM	NM	NM	NM
	4/30/2010	90.02	5.82	ND	ND	NA	84.20
MW-7							
	4/15/2010	89.08	5.50	ND	ND	NA	83.58
	4/30/2010	89.08	5.89	ND	ND	NA	83.19
MW-8							
	4/15/2010	87.90	5.35	ND	ND	NA	82.55
	4/30/2010	87.90	5.92	ND	ND	NA	81.98
MW-9							
	4/15/2010	88.00	6.39	ND	ND	NA	81.61
	4/30/2010	88.00	7.14	ND	ND	NA	80.86
MW-10							
	4/15/2010	85.37	5.39	ND	ND	NA	79.98
	4/30/2010	85.37	6.04	ND	ND	NA	79.33

All measurements are in feet.
NA= Not Applicable
ND = Not detected
NM = Not measured
Well head elevations were surveyed to an arbitrary datum of 100 feet on September 30, 2009 and April 15, 2010 by AECOM
* = LNAPL thickness verified with a 2-inch disposable bailer: 9/25/09 = 0.25 inches; 9/30/09 = 0.25 inches; 10/8/09 = 0.35 inches.
NC = Not Calculated

Attachment A

Service Constraints

AECOM
2 Technology Park Drive
Westford, MA 01886-3140

978.589.3000 tel
978.589.3100 fax

Service Constraints

1. Preliminary Findings

The following limitation is applicable if the report is stamped "DRAFT" or otherwise identified as preliminary: AECOM Inc. dba AECOM Environment (AECOM) has prepared this Preliminary Report at the specific request of the client. Due to Client imposed time, information, and financial restrictions, AECOM has not performed the services necessary for it to render any opinions or reach any conclusions. Accordingly, the studies, data, information, and findings contained in this Preliminary Report are not the final conclusions of AECOM, but merely basic information requested by the client upon which the Client may draw its own conclusions. Client agrees that AECOM shall not be liable for any claims, loss, damage, or expenses incurred by the Client or others arising out of the use of, or reliance on, any information contained in this Preliminary Report.

2. General

- This Report was prepared for the exclusive use of the Client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained therein without the express written consent of AECOM.
- This Report was prepared pursuant to an Agreement between the Client and AECOM. All uses of and reliance upon this Report are subject to, and deemed acceptance of, the conditions and restrictions contained therein.

3. Purpose of Report

It is AECOM's understanding that this Report is to be used for the purpose described in the introduction of the Report. This stated purpose has been a significant factor in determining the scope and level of services provided for in the Agreement. Should the purpose for which the Report is to be used, or the proposed use of the site(s) change, this Report is no longer valid, and use of this Report by Client or others without AECOM's review and written authorization shall be at the user's sole risk. Should AECOM be required to review the Report after its date of submission, AECOM shall be entitled to additional compensation at then existing rates or such other terms as agreed between AECOM and the Client.

4. Scope of Services

The observations and conclusions described in this Report are based solely on the Scope of Services provided pursuant to the Agreement between Client and AECOM and summarized in the introduction of this Report. AECOM has not performed any additional observations, investigations, studies, or testing not specifically stated therein. AECOM shall not be liable for the existence of any condition, the discovery of which required the performance of services not authorized under the Agreement. Unless otherwise specified in the introduction of this Report, AECOM did not evaluate the presence of asbestos, electromagnetic fields, lead paint, lead or copper in water, radon gas or other radioactive or infectious materials.

5. Time

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions which would render the Report inaccurate. Accordingly, neither the Client, nor any other party, shall rely on the information or conclusions contained in this Report after three (3) months from its date of submission without the express written consent of AECOM. Reliance on the Report after such period of time shall be at the user's sole risk. Should AECOM be required to review the Report after three (3) months from its date of submission, AECOM shall be entitled to additional compensation at then existing rates or such other terms as may be agreed upon between AECOM and the Client.

6. Conclusions

The conclusions stated in this Report are based upon: observations of existing physical and/or economic conditions; our interpretation of site history and site usage information; information provided by the Client; and information and/or analyses provided by independent testing and information services or laboratories upon which AECOM is entitled to reasonably rely. AECOM was not authorized and did not attempt to independently verify the accuracy or completeness of information or materials received from third parties during the performance of its services. AECOM shall not be liable for any conditions, information, or conclusion, the discovery of which required information not available or independent investigation of information provided to AECOM unless otherwise indicated. Any site drawing(s) provided within this Report is not meant to be an accurate base plan, but is used to present the general, relative locations of features on, and surrounding, the site.

Attachment B

Laboratory Analytical Reports

ANALYTICAL REPORT

Wednesday, January 20, 2010

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Mark Newell
AECOM
2 Technology Park Dr
Westford, MA

TEL: (978) 589-3000
FAX:

Project:	CFI 2141
Location:	1289 Main St Leominster, MA

Order No.: 1001129

Dear Mark Newell:

GeoLabs, Inc. received 7 sample(s) on 1/14/2010 for the analyses presented in the following report.

All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

Work Order Sample Summary

CLIENT:	AECOM	**Project:**	CFI 2141
Lab Order:	1001129	**Location:**	1289 Main St Leominster, MA

Lab Sample ID	Client Sample ID	Matrix	Tests Requested	Collection Date	Date Received
1001129-001A	MW-1	Groundwater	VPH - MADEP VPH	1/8/2010	1/14/2010
1001129-002A	MW-2	Groundwater	VPH - MADEP VPH	1/8/2010	1/14/2010
1001129-003A	MW-4	Groundwater	VPH - MADEP VPH	1/8/2010	1/14/2010
1001129-004A	MW-5	Groundwater	VPH - MADEP VPH	1/8/2010	1/14/2010
1001129-005A	MW-6	Groundwater	VPH - MADEP VPH	1/8/2010	1/14/2010
1001129-006A	DUP	Groundwater	VPH - MADEP VPH	1/8/2010	1/14/2010
1001129-007A	Trip Blank	Other	VPH - MADEP VPH	1/8/2010	1/14/2010

Date: *20-Jan-10*

CLIENT:	AECOM
Project:	CFI 2141
Lab Order:	1001129

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project # CFI# 2141
Project Location: 1289 Main Street MADEP RTN #:
Leominster, MA
This form provides certification for the following data set: 1001129 (001-007)

Sample Matrix: Groundwater

MCP Methods Used: VPH

An affirmative answer to questions A, B, C and D are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

D. VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) YES

A response to questions E and F are required for "Presumptive Certainty" status

E. Were all QC performance standards and recommendations for the specified methods achieved? NO
F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CLIENT:	AECOM
Project:	CFI 2141
Lab Order:	1001129

CASE NARRATIVE

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

VPH Run 34517 RPD for Naphthalene is outside the limit, however the percent recoveries for all compounds are within the recovery limits.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Charles Morrow Position: Lab Director

Printed Name: Charles Morrow Date: January 20, 2010

CLIENT:	AECOM
Project:	CFI 2141
Lab Order:	1001129

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1

Carbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range. (MTBE, Benzene, Toluene)

C9-C12 Aliphatic Hydrocarbons exclude concentration of Target Analytes eluting in that range (Ethylbenzene, m&p-Xylenes, o-Xylene) AND concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES
Were all QA/QC performance/acceptance standards achieved? NO (See Case Narrative for details)
Were any significant modifications made to the VPH method, as specified in Sec. 11.3? NO

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: Charles Morrow POSITION: LAB DIRECTOR

PRINTED NAME: Charles Morrow

DATE: January 20, 2010

ANALYTICAL REPORT

Reported Date: 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	MW-1
Lab Order:	1001129	**Collection Date:**	1/8/2010 3:00:00 PM
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-001	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*5060*	1880		µg/L	25	1/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*32800*	1880		µg/L	25	1/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*17800*	2500		µg/L	25	1/17/2010
Methyl Tert-Butyl Ether	*285*	5.00		µg/L	1	1/16/2010
Benzene	*3260*	125		µg/L	25	1/17/2010
Toluene	*4340*	125		µg/L	25	1/17/2010
Ethylbenzene	*2090*	125		µg/L	25	1/17/2010
m,p-Xylene	*4140*	125		µg/L	25	1/17/2010
o-Xylene	*1640*	125		µg/L	25	1/17/2010
Naphthalene	*227*	125		µg/L	25	1/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*24900*	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	*4870*	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	124	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	106	70-130		%REC	25	1/17/2010
Surr: 2,5-Dibromotoluene PID	93.7	70-130		%REC	25	1/17/2010
Surr: 2,5-Dibromotoluene PID	124	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	MW-2
Lab Order:	1001129	**Collection Date:**	1/8/2010 2:30:00 PM
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-002	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*9760*	1500		µg/L	20	1/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*15300*	1500		µg/L	20	1/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*24700*	2000		µg/L	20	1/17/2010
Methyl Tert-Butyl Ether	*329*	5.00		µg/L	1	1/16/2010
Benzene	*1110*	100		µg/L	20	1/17/2010
Toluene	*1480*	100		µg/L	20	1/17/2010
Ethylbenzene	*3030*	100		µg/L	20	1/17/2010
m,p-Xylene	*5530*	100		µg/L	20	1/17/2010
o-Xylene	*790*	100		µg/L	20	1/17/2010
Naphthalene	*979*	400		µg/L	20	1/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*12400*	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	*5590*	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	126	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	115	70-130		%REC	20	1/17/2010
Surr: 2,5-Dibromotoluene PID	99.8	70-130		%REC	20	1/17/2010
Surr: 2,5-Dibromotoluene PID	123	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	MW-4
Lab Order:	1001129	**Collection Date:**	1/8/2010 3:30:00 PM
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-003	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*14300*	7500		µg/L	100	1/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*192000*	7500		µg/L	100	1/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*66800*	10000		µg/L	100	1/17/2010
Methyl Tert-Butyl Ether	*42200*	500		µg/L	100	1/17/2010
Benzene	*3520*	500		µg/L	100	1/17/2010
Toluene	*24000*	500		µg/L	100	1/17/2010
Ethylbenzene	*5330*	500		µg/L	100	1/17/2010
m,p-Xylene	*18700*	500		µg/L	100	1/17/2010
o-Xylene	*8930*	500		µg/L	100	1/17/2010
Naphthalene	*676*	500		µg/L	100	1/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*122000*	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	*19400*	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	98.6	70-130		%REC	100	1/17/2010
Surr: 2,5-Dibromotoluene FID	123	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene PID	87.8	70-130		%REC	100	1/17/2010
Surr: 2,5-Dibromotoluene PID	122	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL REPORT

Reported Date: 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	MW-5
Lab Order:	1001129	**Collection Date:**	1/8/2010 2:00:00 PM
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-004	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*7050*	750		µg/L	10	1/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*5600*	750		µg/L	10	1/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*14000*	1000		µg/L	10	1/17/2010
Methyl Tert-Butyl Ether	*615*	5.00	E	µg/L	1	1/16/2010
Benzene	ND	5.00		µg/L	1	1/16/2010
Toluene	*213*	5.00		µg/L	1	1/16/2010
Ethylbenzene	*942*	50.0		µg/L	10	1/17/2010
m,p-Xylene	*2810*	50.0		µg/L	10	1/17/2010
o-Xylene	*358*	5.00		µg/L	1	1/16/2010
Naphthalene	*184*	150		µg/L	10	1/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*4770*	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	*2840*	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	117	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	107	70-130		%REC	10	1/17/2010
Surr: 2,5-Dibromotoluene PID	104	70-130		%REC	10	1/17/2010
Surr: 2,5-Dibromotoluene PID	116	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT **Reported Date:** 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	MW-6
Lab Order:	1001129	**Collection Date:**	1/8/2010 4:00:00 PM
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-005	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*7140*	1500		µg/L	20	1/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*19300*	1500		µg/L	20	1/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*24300*	2000		µg/L	20	1/17/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	1/16/2010
Benzene	ND	5.00		µg/L	1	1/16/2010
Toluene	*2820*	100		µg/L	20	1/17/2010
Ethylbenzene	*2020*	100		µg/L	20	1/17/2010
m,p-Xylene	*6360*	100		µg/L	20	1/17/2010
o-Xylene	*2560*	100		µg/L	20	1/17/2010
Naphthalene	*360*	300		µg/L	20	1/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*16500*	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	*6220*	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	129	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene PID	124	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	DUP
Lab Order:	1001129	**Collection Date:**	1/8/2010
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-006	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*14000*	7500		µg/L	100	1/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*192000*	7500		µg/L	100	1/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*64700*	10000		µg/L	100	1/17/2010
Methyl Tert-Butyl Ether	*43200*	500		µg/L	100	1/17/2010
Benzene	*3500*	500		µg/L	100	1/17/2010
Toluene	*24100*	500		µg/L	100	1/17/2010
Ethylbenzene	*5030*	500		µg/L	100	1/17/2010
m,p-Xylene	*18600*	500		µg/L	100	1/17/2010
o-Xylene	*8870*	500		µg/L	100	1/17/2010
Naphthalene	*248*	200		µg/L	100	1/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*121000*	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	*18200*	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	100	70-130		%REC	100	1/17/2010
Surr: 2,5-Dibromotoluene FID	129	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene PID	127	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL REPORT

Reported Date: 20-Jan-10

CLIENT:	AECOM	**Client Sample ID:**	Trip Blank
Lab Order:	1001129	**Collection Date:**	1/8/2010
Project:	CFI 2141	**Date Received:**	1/14/2010
Lab ID:	1001129-007	**Matrix:**	OTHER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	1/16/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	1/16/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	1/16/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	1/16/2010
Benzene	ND	5.00		µg/L	1	1/16/2010
Toluene	ND	5.00		µg/L	1	1/16/2010
Ethylbenzene	ND	5.00		µg/L	1	1/16/2010
m,p-Xylene	ND	5.00		µg/L	1	1/16/2010
o-Xylene	ND	5.00		µg/L	1	1/16/2010
Naphthalene	ND	20.0		µg/L	1	1/16/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	1/16/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	1/16/2010
Surr: 2,5-Dibromotoluene FID	94.1	70-130		%REC	1	1/16/2010
Surr: 2,5-Dibromotoluene PID	88.0	70-130		%REC	1	1/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL QC SUMMARY REPORT

Date: *20-Jan-10*

CLIENT: AECOM
Work Order: 1001129
Project: CFI 2141

TestCode: VPH_W2

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **34517**
Client ID: **ZZZZZ**	Batch ID: **R34517**	TestNo: **VPH**		Analysis Date: **1/16/2010**	SeqNo: **383218**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	83.16	0	100	0	83.2	70	130				
Surr: 2,5-Dibromotoluene PID	78.25	0	100	0	78.2	70	130				

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **34544**
Client ID: **ZZZZZ**	Batch ID: **R34544**	TestNo: **VPH**		Analysis Date: **1/17/2010**	SeqNo: **383612**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1001129
Project: CFI 2141

TestCode: VPH_W2

Sample ID: **MBLK** SampType: **MBLK** TestCode: **VPH_W2** Units: **µg/L** Prep Date: RunNo: **34544**
Client ID: **ZZZZZ** Batch ID: **R34544** TestNo: **VPH** Analysis Date: **1/17/2010** SeqNo: **383612**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	94.20	0	100	0	94.2	70	130				
Surr: 2,5-Dibromotoluene PID	93.11	0	100	0	93.1	70	130				

Sample ID: **LCS** SampType: **LCS** TestCode: **VPH_W2** Units: **µg/L** Prep Date: RunNo: **34517**
Client ID: **ZZZZZ** Batch ID: **R34517** TestNo: **VPH** Analysis Date: **1/16/2010** SeqNo: **383216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	75.32	5.00	100	0	75.3	70	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1001129
Project: CFI 2141

TestCode: VPH_W2

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 34517
Client ID: ZZZZZ	Batch ID: R34517	TestNo: VPH		Analysis Date: 1/16/2010	SeqNo: 383216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2,4-Trimethylpentane	76.52	5.00	100	0	76.5	70	130				
2-Methylpentane	71.49	5.00	100	0	71.5	70	130				
n-Butylcyclohexane	72.58	5.00	100	0	72.6	70	130				
n-Decane	73.83	5.00	100	0	73.8	70	130				
n-Nonane	65.34	5.00	100	0	65.3	30	130				
n-Pentane	88.27	5.00	100	0	88.3	70	130				
C9-C10 Aromatic Hydrocarbons	126.4	75.0	150	0	84.2	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	832.7	75.0	880	0	94.6	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	770.3	100	730	0	106	70	130				
Methyl Tert-Butyl Ether	121.0	5.00	100	0	121	70	130				
Benzene	89.65	5.00	100	0	89.7	70	130				
Toluene	93.75	5.00	100	0	93.7	70	130				
Ethylbenzene	88.62	5.00	100	0	88.6	70	130				
m,p-Xylene	191.5	5.00	200	0	95.8	70	130				
o-Xylene	96.48	5.00	100	0	96.5	70	130				
Naphthalene	73.77	20.0	100	0	73.8	70	130				
Surr: 2,5-Dibromotoluene FID	106.8	0	100	0	107	70	130				
Surr: 2,5-Dibromotoluene PID	93.04	0	100	0	93.0	70	130				

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 34544
Client ID: ZZZZZ	Batch ID: R34544	TestNo: VPH		Analysis Date: 1/17/2010	SeqNo: 383610

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	84.09	5.00	100	0	84.1	70	130				
2,2,4-Trimethylpentane	73.51	5.00	100	0	73.5	70	130				
2-Methylpentane	71.05	5.00	100	0	71.0	70	130				
n-Butylcyclohexane	72.79	5.00	100	0	72.8	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1001129
Project: CFI 2141

TestCode: VPH_W2

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 34544
Client ID: ZZZZZ	Batch ID: R34544	TestNo: VPH		Analysis Date: 1/17/2010	SeqNo: 383610

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	70.47	5.00	100	0	70.5	70	130				
n-Nonane	58.25	5.00	100	0	58.2	30	130				
n-Pentane	74.40	5.00	100	0	74.4	70	130				
C9-C10 Aromatic Hydrocarbons	158.1	75.0	150	0	105	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	848.6	75.0	880	0	96.4	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	809.9	100	730	0	111	70	130				
Methyl Tert-Butyl Ether	71.57	5.00	100	0	71.6	70	130				
Benzene	91.56	5.00	100	0	91.6	70	130				
Toluene	99.03	5.00	100	0	99.0	70	130				
Ethylbenzene	103.4	5.00	100	0	103	70	130				
m,p-Xylene	203.5	5.00	200	0	102	70	130				
o-Xylene	100.7	5.00	100	0	101	70	130				
Naphthalene	127.8	20.0	100	0	128	70	130				
Surr: 2,5-Dibromotoluene FID	107.8	0	100	0	108	70	130				
Surr: 2,5-Dibromotoluene PID	105.4	0	100	0	105	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 34517
Client ID: ZZZZZ	Batch ID: R34517	TestNo: VPH		Analysis Date: 1/16/2010	SeqNo: 383217

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	78.19	5.00	100	0	78.2	70	130	75.32	3.73	25	
2,2,4-Trimethylpentane	80.62	5.00	100	0	80.6	70	130	76.52	5.21	25	
2-Methylpentane	70.80	5.00	100	0	70.8	70	130	71.49	0.966	25	
n-Butylcyclohexane	72.22	5.00	100	0	72.2	70	130	72.58	0.508	25	
n-Decane	79.15	5.00	100	0	79.2	70	130	73.83	6.95	25	
n-Nonane	68.10	5.00	100	0	68.1	30	130	65.34	4.14	25	
n-Pentane	78.64	5.00	100	0	78.6	70	130	88.27	11.5	25	

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1001129
Project: CFI 2141

TestCode: VPH_W2

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **34517**
Client ID: **ZZZZZ**	Batch ID: **R34517**	TestNo: **VPH**		Analysis Date: **1/16/2010**	SeqNo: **383217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C9-C10 Aromatic Hydrocarbons	132.4	75.0	150	0	88.3	70	130	126.4	4.66	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	865.9	75.0	880	0	98.4	70	130	832.7	3.91	25	
Unadjusted C9-C12 Aliphatic Hydrocar	802.1	100	730	0	110	70	130	770.3	4.04	25	
Methyl Tert-Butyl Ether	127.0	5.00	100	0	127	70	130	121	4.83	25	
Benzene	93.34	5.00	100	0	93.3	70	130	89.65	4.03	25	
Toluene	97.12	5.00	100	0	97.1	70	130	93.75	3.53	25	
Ethylbenzene	92.82	5.00	100	0	92.8	70	130	88.62	4.63	25	
m,p-Xylene	197.8	5.00	200	0	98.9	70	130	191.5	3.21	25	
o-Xylene	97.41	5.00	100	0	97.4	70	130	96.48	0.968	25	
Naphthalene	103.9	20.0	100	0	104	70	130	73.77	33.9	25	R
Surr: 2,5-Dibromotoluene FID	109.1	0	100	0	109	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	98.06	0	100	0	98.1	70	130	0	0	25	

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **34544**
Client ID: **ZZZZZ**	Batch ID: **R34544**	TestNo: **VPH**		Analysis Date: **1/17/2010**	SeqNo: **383611**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	84.99	5.00	100	0	85.0	70	130	84.09	1.06	25	
2,2,4-Trimethylpentane	74.91	5.00	100	0	74.9	70	130	73.51	1.88	25	
2-Methylpentane	72.40	5.00	100	0	72.4	70	130	71.05	1.89	25	
n-Butylcyclohexane	80.42	5.00	100	0	80.4	70	130	72.79	9.95	25	
n-Decane	71.44	5.00	100	0	71.4	70	130	70.47	1.37	25	
n-Nonane	53.16	5.00	100	0	53.2	30	130	58.25	9.14	25	
n-Pentane	74.02	5.00	100	0	74.0	70	130	74.4	0.504	25	
C9-C10 Aromatic Hydrocarbons	132.3	75.0	150	0	88.2	70	130	158.1	17.8	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	872.1	75.0	880	0	99.1	70	130	848.6	2.73	25	
Unadjusted C9-C12 Aliphatic Hydrocar	820.1	100	730	0	112	70	130	809.9	1.25	25	

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1001129
Project: CFI 2141

TestCode: VPH_W2

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **34544**
Client ID: **ZZZZZ**	Batch ID: **R34544**	TestNo: **VPH**		Analysis Date: **1/17/2010**	SeqNo: **383611**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Tert-Butyl Ether	72.94	5.00	100	0	72.9	70	130	71.57	1.90	25	
Benzene	93.18	5.00	100	0	93.2	70	130	91.56	1.75	25	
Toluene	100.7	5.00	100	0	101	70	130	99.03	1.62	25	
Ethylbenzene	107.2	5.00	100	0	107	70	130	103.4	3.55	25	
m,p-Xylene	210.0	5.00	200	0	105	70	130	203.5	3.11	25	
o-Xylene	106.0	5.00	100	0	106	70	130	100.7	5.14	25	
Naphthalene	127.0	20.0	100	0	127	70	130	127.8	0.566	25	
Surr: 2,5-Dibromotoluene FID	122.5	0	100	0	122	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	105.4	0	100	0	105	70	130	0	0	25	

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / (Not Needed) / Lab to do
Preservation: Lab to do Y / (N)

Special Instructions
1289 Main Street
Leominster, MA

Turnaround: circle one
1-day 3-day
2-day 5 / (7-days)

Data Delivery: circle choice (s)
Fax (email)
Format:
Excel (PDF)

(GW-1) (MCP Methods)
S-1 DEP
QC Other

Requirements: circle choice (s) 10001129
CT RCP (Reasonable Confidence Protocols)
State / Fed Program - Criteria MA

Client: AECOM
Address: 2 Technology Park Drive
Westford, MA
Contact: MARK NEWELL

Phone: 978-589-3000
Fax:
email: Mark.Newell@aecom.com

Project: CFI # 2141
Project PO:
Invoice to *:

COLLECTION				CONTAINER						Preserative:	1									Analysis Requested
DATE	TIME	SAMPLED BY	SAMPLE LOCATION / ID	TYPE	QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	VPH								TEMPERATURE	LAB PH
1/8/10	1500	FB	MW-1	V	3	GW		X	1129-001	X								8/5	
	1430	FB	MW-2	V	3	GW		X	002	X									
	1530	FB	MW-4	V	3	GW		X	003	X									
	1400	FB	MW-5	V	3	GW		X	004	X									
	1600	FB	MW-6	V	3	GW		X	005	X									
	—	FB	DUP	V	3	GW		X	006	X									
1/8/10	LAB	LAB	TRIP BLANK	V	1	GW		X	007	X									

Matrix Codes:
GW = Ground Water DW = Drinking Water S = Soil A = Air
WW = Waste Water SL = Sludge O = Oil OT = Other

Received on ice ✓

Preservatives
1 = Hcl 3 = H2SO4 5 = NaOH 7 = Other
2 = HNO3 4 = Na2S2O3 6 = MEOH

Containers:
A = Amber B = Bag O = Other
G = Glass P = Plastic
S = Summa V = Voa

Relinquished by:	Date / Time	Received by:	Date / Time
	1/8/10 0900		1.14.10 12:35
	1.14.10 3:45		1/14/10 345

* Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost.
Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash, check and credit cards.

CT (PH-0148) MA (MA - 015) NH (2508) NJ (MA-009)
NY(11796) PA (68-03417) RI (LA000252)

ANALYTICAL REPORT

Friday, April 16, 2010

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Mark Newell
AECOM
2 Technology Park Dr
Westford, MA

TEL: (978) 589-3000
FAX:

Project: CFI 2141
Location: 1289 Main St Leominster, MA

Order No.: 1004156

Dear Mark Newell:

GeoLabs, Inc. received 7 sample(s) on 4/8/2010 for the analyses presented in the following report.

All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - NY (11796) - PA (68-03417) - RI (LA000252)

Accredited in Accordance with NELAC

Work Order Sample Summary

CLIENT:	AECOM	**Project:**	CFI 2141
Lab Order:	1004156	**Location:**	1289 Main St Leominster, MA

Lab Sample ID	Client Sample ID	Matrix	Tests Requested	Collection Date	Date Received
1004156-001A	MW-1	Groundwater	VPH - MADEP VPH	4/7/2010	4/8/2010
1004156-002A	MW-2	Groundwater	VPH - MADEP VPH	4/7/2010	4/8/2010
1004156-003A	MW-3	Groundwater	VPH - MADEP VPH	4/7/2010	4/8/2010
1004156-004A	MW-4	Groundwater	VPH - MADEP VPH	4/7/2010	4/8/2010
1004156-005A	MW-5	Groundwater	VPH - MADEP VPH	4/7/2010	4/8/2010
1004156-006A	MW-6	Groundwater	VPH - MADEP VPH	4/7/2010	4/8/2010
1004156-007A	Trip Blank	Other	VPH - MADEP VPH	4/7/2010	4/8/2010

Date: *16-Apr-10*

CLIENT: AECOM
Project: CFI 2141
Lab Order: 1004156

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project # CFI# 2141
Project Location: 1289 Main Street MADEP RTN #:
Leominster, MA
This form provides certification for the following data set: 1004156 (001-007)

Sample Matrix: Groundwater

MCP Methods Used: VPH

An affirmative answer to questions A, B, C and D are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

D. VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) YES

A response to questions E and F are required for "Presumptive Certainty" status

E. Were all QC performance standards and recommendations for the specified methods achieved? NO
F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CLIENT:	AECOM
Project:	CFI 2141
Lab Order:	1004156

CASE NARRATIVE

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

VPH RPD for C5-C8 Aliphatics is outside the limit, however the percent recoveries for all compounds are within the recovery limits.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Charles Morrow Position: Lab Director

Printed Name: Charles Morrow Date: April 16, 2010

CLIENT:	AECOM
Project:	CFI 2141
Lab Order:	1004156

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1

Carbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range. (MTBE, Benzene, Toluene)

C9-C12 Aliphatic Hydrocarbons exclude concentration of Target Analytes eluting in that range (Ethylbenzene, m&p-Xylenes, o-Xylene) AND concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES
Were all QA/QC performance/acceptance standards achieved? NO (See Case Narrative for details)
Were any significant modifications made to the VPH method, as specified in Sec. 11.3? NO

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: POSITION: LAB DIRECTOR

PRINTED NAME: Charles Morrow

DATE: April 16, 2010

ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-1
Lab Order:	1004156	**Collection Date:**	4/7/2010 10:00:00 AM
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-001	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*648*	75.0		µg/L	1	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*2240*	75.0		µg/L	1	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*909*	100		µg/L	1	4/10/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/10/2010
Benzene	*359*	5.00		µg/L	1	4/10/2010
Toluene	*278*	5.00		µg/L	1	4/10/2010
Ethylbenzene	*408*	5.00		µg/L	1	4/10/2010
m,p-Xylene	*637*	5.00		µg/L	1	4/10/2010
o-Xylene	*122*	5.00		µg/L	1	4/10/2010
Naphthalene	*54.0*	20.0		µg/L	1	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*1600*	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	121	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	114	70-130		%REC	1	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-2
Lab Order:	1004156	**Collection Date:**	4/7/2010 9:30:00 AM
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-002	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*3590*	750		µg/L	10	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*3100*	750		µg/L	10	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*4730*	1000		µg/L	10	4/10/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/10/2010
Benzene	*155*	5.00		µg/L	1	4/10/2010
Toluene	*996*	50.0		µg/L	10	4/10/2010
Ethylbenzene	*1380*	50.0		µg/L	10	4/10/2010
m,p-Xylene	*3660*	50.0		µg/L	10	4/10/2010
o-Xylene	*736*	50.0		µg/L	10	4/10/2010
Naphthalene	*359*	20.0		µg/L	1	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*1950*	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	125	70-130		%REC	10	4/10/2010
Surr: 2,5-Dibromotoluene FID	124	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	119	70-130		%REC	10	4/10/2010
Surr: 2,5-Dibromotoluene PID	120	70-130		%REC	1	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-3
Lab Order:	1004156	**Collection Date:**	4/7/2010 11:00:00 AM
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-003	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*10600*	3750		µg/L	50	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*62300*	18800		µg/L	250	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*21800*	5000		µg/L	50	4/10/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/10/2010
Benzene	*6400*	250		µg/L	50	4/10/2010
Toluene	*48500*	1250		µg/L	250	4/10/2010
Ethylbenzene	*6090*	250		µg/L	50	4/10/2010
m,p-Xylene	*19400*	250		µg/L	50	4/10/2010
o-Xylene	*9310*	250		µg/L	50	4/10/2010
Naphthalene	*486*	20.0		µg/L	1	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*7400*	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	107	70-130		%REC	50	4/10/2010
Surr: 2,5-Dibromotoluene FID	128	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	120	70-130		%REC	250	4/10/2010
Surr: 2,5-Dibromotoluene PID	117	70-130		%REC	250	4/10/2010
Surr: 2,5-Dibromotoluene PID	127	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	105	70-130		%REC	50	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
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ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-4
Lab Order:	1004156	**Collection Date:**	4/7/2010 9:00:00 AM
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-004	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	*8220*	3750		µg/L	50	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*30500*	3750		µg/L	50	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*18300*	5000		µg/L	50	4/10/2010
Methyl Tert-Butyl Ether	*11100*	250		µg/L	50	4/10/2010
Benzene	*3290*	250		µg/L	50	4/10/2010
Toluene	*18500*	250		µg/L	50	4/10/2010
Ethylbenzene	*4720*	250		µg/L	50	4/10/2010
m,p-Xylene	*17500*	250		µg/L	50	4/10/2010
o-Xylene	*8250*	250		µg/L	50	4/10/2010
Naphthalene	*914*	750		µg/L	50	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	121	70-130		%REC	50	4/10/2010
Surr: 2,5-Dibromotoluene FID	122	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	118	70-130		%REC	50	4/10/2010
Surr: 2,5-Dibromotoluene PID	129	70-130		%REC	1	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-5
Lab Order:	1004156	**Collection Date:**	4/7/2010 10:30:00 AM
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-005	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	*484*	75.0		µg/L	1	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*543*	75.0		µg/L	1	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*431*	100		µg/L	1	4/10/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/10/2010
Benzene	ND	5.00		µg/L	1	4/10/2010
Toluene	ND	5.00		µg/L	1	4/10/2010
Ethylbenzene	*63.1*	5.00		µg/L	1	4/10/2010
m,p-Xylene	*213*	5.00		µg/L	1	4/10/2010
o-Xylene	*20.8*	5.00		µg/L	1	4/10/2010
Naphthalene	ND	20.0		µg/L	1	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*543*	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	101	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	103	70-130		%REC	1	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-6
Lab Order:	1004156	**Collection Date:**	4/7/2010 8:30:00 AM
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-006	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*1470*	750		µg/L	10	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*2520*	750		µg/L	10	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*2120*	1000		µg/L	10	4/10/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/10/2010
Benzene	ND	5.00		µg/L	1	4/10/2010
Toluene	*933*	50.0		µg/L	10	4/10/2010
Ethylbenzene	*493*	50.0		µg/L	10	4/10/2010
m,p-Xylene	*1560*	50.0		µg/L	10	4/10/2010
o-Xylene	*618*	50.0		µg/L	10	4/10/2010
Naphthalene	*106*	20.0		µg/L	1	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	*1590*	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	110	70-130		%REC	10	4/10/2010
Surr: 2,5-Dibromotoluene FID	115	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	99.6	70-130		%REC	10	4/10/2010
Surr: 2,5-Dibromotoluene PID	105	70-130		%REC	1	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL REPORT

Reported Date: 16-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	Trip Blank
Lab Order:	1004156	**Collection Date:**	4/7/2010
Project:	CFI 2141	**Date Received:**	4/8/2010
Lab ID:	1004156-007	**Matrix:**	OTHER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/10/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/10/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/10/2010
Benzene	ND	5.00		µg/L	1	4/10/2010
Toluene	ND	5.00		µg/L	1	4/10/2010
Ethylbenzene	ND	5.00		µg/L	1	4/10/2010
m,p-Xylene	ND	5.00		µg/L	1	4/10/2010
o-Xylene	ND	5.00		µg/L	1	4/10/2010
Naphthalene	ND	20.0		µg/L	1	4/10/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/10/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/10/2010
Surr: 2,5-Dibromotoluene FID	104	70-130		%REC	1	4/10/2010
Surr: 2,5-Dibromotoluene PID	99.5	70-130		%REC	1	4/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL QC SUMMARY REPORT

Date: *16-Apr-10*

CLIENT: AECOM
Work Order: 1004156
Project: CFI 2141

TestCode: VPH_W2

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35793**
Client ID: **ZZZZZ**	Batch ID: **R35793**	TestNo: **VPH**		Analysis Date: **4/10/2010**	SeqNo: **401929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	118.5	0	100	0	119	70	130				
Surr: 2,5-Dibromotoluene PID	110.9	0	100	0	111	70	130				

Sample ID: **LCS**	SampType: **LCS**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35793**
Client ID: **ZZZZZ**	Batch ID: **R35793**	TestNo: **VPH**		Analysis Date: **4/10/2010**	SeqNo: **401927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

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CLIENT: AECOM
Work Order: 1004156
Project: CFI 2141

TestCode: VPH_W2

Sample ID: **LCS**	SampType: **LCS**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35793**
Client ID: **ZZZZZ**	Batch ID: **R35793**	TestNo: **VPH**		Analysis Date: **4/10/2010**	SeqNo: **401927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	109.9	5.00	100	0	110	70	130				
2,2,4-Trimethylpentane	125.9	5.00	100	0	126	70	130				
2-Methylpentane	86.62	5.00	100	0	86.6	70	130				
n-Butylcyclohexane	72.01	5.00	100	0	72.0	70	130				
n-Decane	79.01	5.00	100	0	79.0	70	130				
n-Nonane	57.79	5.00	100	0	57.8	30	130				
n-Pentane	86.62	5.00	100	0	86.6	70	130				
C9-C10 Aromatic Hydrocarbons	85.08	75.0	100	0	85.1	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	367.2	75.0	300	0	122	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	290.3	100	300	0	96.8	70	130				
Methyl Tert-Butyl Ether	126.9	5.00	100	0	127	70	130				
Benzene	125.1	5.00	100	0	125	70	130				
Toluene	127.8	5.00	100	0	128	70	130				
Ethylbenzene	120.5	5.00	100	0	120	70	130				
m,p-Xylene	234.9	5.00	200	0	117	70	130				
o-Xylene	116.9	5.00	100	0	117	70	130				
Naphthalene	125.0	20.0	100	0	125	70	130				
Surr: 2,5-Dibromotoluene FID	110.2	0	100	0	110	70	130				
Surr: 2,5-Dibromotoluene PID	97.94	0	100	0	97.9	70	130				

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35793**
Client ID: **ZZZZZ**	Batch ID: **R35793**	TestNo: **VPH**		Analysis Date: **4/10/2010**	SeqNo: **401928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	94.94	5.00	100	0	94.9	70	130	109.9	14.6	25	
2,2,4-Trimethylpentane	106.7	5.00	100	0	107	70	130	125.9	16.5	25	
2-Methylpentane	97.41	5.00	100	0	97.4	70	130	86.62	11.7	25	

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

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CLIENT: AECOM
Work Order: 1004156
Project: CFI 2141

TestCode: VPH_W2

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35793
Client ID: ZZZZZ	Batch ID: R35793	TestNo: VPH		Analysis Date: 4/10/2010	SeqNo: 401928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylcyclohexane	72.23	5.00	100	0	72.2	70	130	72.01	0.305	25	
n-Decane	74.05	5.00	100	0	74.1	70	130	79.01	6.48	25	
n-Nonane	45.51	5.00	100	0	45.5	30	130	57.79	23.8	25	
n-Pentane	87.92	5.00	100	0	87.9	70	130	86.62	1.49	25	
C9-C10 Aromatic Hydrocarbons	73.04	70.0	100	0	73.0	70	130	85.08	15.2	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	284.5	75.0	300	0	94.8	70	130	367.2	25.4	25	R
Unadjusted C9-C12 Aliphatic Hydrocar	247.0	100	300	0	82.3	70	130	290.3	16.1	25	
Methyl Tert-Butyl Ether	107.3	5.00	100	0	107	70	130	126.9	16.8	25	
Benzene	129.2	5.00	100	0	129	70	130	125.1	3.20	25	
Toluene	111.0	5.00	100	0	111	70	130	127.8	14.1	25	
Ethylbenzene	100.9	5.00	100	0	101	70	130	120.5	17.7	25	
m,p-Xylene	206.2	5.00	200	0	103	70	130	234.9	13.1	25	
o-Xylene	101.8	5.00	100	0	102	70	130	116.9	13.8	25	
Naphthalene	123.6	20.0	100	0	124	70	130	125	1.15	25	
Surr: 2,5-Dibromotoluene FID	120.0	0	100	0	120	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	111.2	0	100	0	111	70	130	0	0	25	

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / Not Needed / Lab to do
Preservation: Lab to do Y / N

Special Instructions
1289 MAIN STREET
LEOMINSTER, MA

Turnaround: circle one
1-day 3-day
2-day 5 / 7-days

Data Delivery: circle choice (s)
Fax email
Format:
Excel PDF

GW-1 MCP Methods
S-1 DEP
QC Other

Requirements: circle choice (s) 10041560
CT RCP (Reasonable Confidence Protocols)
State / Fed Program - Criteria

Client: AECOM 2 Technology Park Drive
Address: Westford MA
Contact: MARK NEWELL

Phone: 978-589-3000
Fax:
email: mark.newell@aecom.com

Project: CFI #2141
Project PO: 27243
Invoice to *:

Preservative: 1

COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION / ID	CONTAINER TYPE	CONTAINER QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	Analysis Requested: VPH								TEMPERATURE	LAB pH
4/7	1000	FB	MW-1	V	3	GW		X	4156-001	X								7.5c	
	0930	FB	MW-2	V	3	GW		X	002	X									
	1100	FB	MW-3	V	3	GW		X	003	X									
	0900	FB	MW-4	V	3	GW		X	004	X									
	1030	FB	MW-5	V	3	GW		X	005	X									
	0830	FB	MW-6	V	3	GW		X	006	X									
4/7	LAB	LAB	Trip Blank	V	1	GW		X	007	X									

Matrix Codes:
GW = Ground Water DW = Drinking Water S = Soil A = Air
WW = Waste Water SL = Sludge O = Oil OT = Other

Received on Ice 5 C

Preservatives
1 = HCl 3 = H2SO4 5 = NaOH 7 = Other
2 = HNO3 4 = Na2S2O3 6 = MEOH

Containers:
A = Amber B = Bag O = Other
G = Glass P = Plastic
S = Summa V = Voa

Relinquished by:	Date / Time	Received by:	Date / Time
	4/7/10 1700		4.8.10 11:45
	4.8.10 400		4/8/10 400

* Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost.
Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash, check and credit cards.
CT (PH-0148) MA (MA - 015) NH (2508) NJ (MA-009)
NY(11796) PA (68-03417) RI (LA000252)

ANALYTICAL REPORT

Wednesday, April 21, 2010

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Mark Newell
AECOM
2 Technology Park Dr
Westford, MA

TEL: (978) 589-3000
FAX:

Project: CFI 2141, 60136873
Location: 1289 Main St Leominster, MA

Order No.: 1004182

Dear Mark Newell:

GeoLabs, Inc. received 6 sample(s) on 4/9/2010 for the analyses presented in the following report.

All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - NY (11796) - PA (68-03417) - RI (LA000252)

Accredited in Accordance with NELAC

Work Order Sample Summary

CLIENT:	AECOM	**Project:**	CFI 2141, 60136873
Lab Order:	1004182	**Location:**	1289 Main St Leominster, MA

Lab Sample ID	Client Sample ID	Matrix	Tests Requested	Collection Date	Date Received
1004182-001A	MW-7 (0-3)	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-001B	MW-7 (0-3)	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-002A	MW-7 (8-15)	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-002B	MW-7 (8-15)	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-003A	MW-10 (3-5)	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-003B	MW-10 (3-5)	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-004A	DUP	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-004B	DUP	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-005A	DRUM	Soil	Volatile Organic Compounds - 8260B	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Ph - SW9045C	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Total Metals by ICP - SW6010B	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Polychlorinated Biphenyls - SW8082	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Total Silver - SW6010B	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Mercury - SW7471A	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Cyanide, Reactive - SW7.3.3.2	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Sulfide, Reactive - SW7.3.4.2	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Ignitability - SW1010	4/8/2010	4/9/2010
1004182-006A	Trip Blank	Other	VPH - MADEP VPH		4/9/2010

Date: *21-Apr-10*

CLIENT: AECOM
Project: CFI 2141, 60136873
Lab Order: 1004182

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project # 60136873, CFI# 2141
Project Location: 1289 Main St MADEP RTN #:
Leominster, MA
This form provides certification for the following data set: 1004182 (001-006)

Sample Matrix: Soil

MCP Methods Used: VPH, 8260B, 8082, 6010B, 7471A

An affirmative answer to questions A, B, C and D are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

D. VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) YES

A response to questions E and F are required for "Presumptive Certainty" status

E. Were all QC performance standards and recommendations for the specified methods achieved? YES
F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CLIENT:	AECOM	
Project:	CFI 2141, 60136873	**CASE NARRATIVE**
Lab Order:	1004182	

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

13 Priority Pollutant Metals only analyzed by 6010B per client request.

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

8260 LCS percent recovery for Carbon Disulfide is outside the recovery limits.
8260 RPD for n-Propylbenzene is outside the limit.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Lab Director

Printed Name: Charles Morrow Date: April 21, 2010

CLIENT:	AECOM
Project:	CFI 2141, 60136873
Lab Order:	1004182

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1

Carbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range. (MTBE, Benzene, Toluene)

C9-C12 Aliphatic Hydrocarbons exclude concentration of Target Analytes eluting in that range (Ethylbenzene, m&p-Xylenes, o-Xylene) AND concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES
Were all QA/QC performance/acceptance standards achieved? YES
Were any significant modifications made to the VPH method, as specified in Sec. 11.3? NO

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: POSITION: LAB DIRECTOR

PRINTED NAME: Charles Morrow

DATE: April 21, 2010

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-7 (0-3)
Lab Order:	1004182	**Collection Date:**	4/8/2010 9:30:00 AM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-001	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
Unadjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0549		mg/Kg-dry	1	4/15/2010
Benzene	ND	0.549		mg/Kg-dry	1	4/15/2010
Toluene	ND	0.549		mg/Kg-dry	1	4/15/2010
Ethylbenzene	ND	0.549		mg/Kg-dry	1	4/15/2010
m,p-Xylene	ND	0.549		mg/Kg-dry	1	4/15/2010
o-Xylene	ND	0.549		mg/Kg-dry	1	4/15/2010
Naphthalene	ND	1.10		mg/Kg-dry	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	88.9	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	89.5	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-7 (8-15)
Lab Order:	1004182	**Collection Date:**	4/8/2010 9:45:00 AM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-002	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
Unadjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Methyl Tert-Butyl Ether	*2.03*	0.0549		mg/Kg-dry	1	4/15/2010
Benzene	ND	0.549		mg/Kg-dry	1	4/15/2010
Toluene	*1.05*	0.549		mg/Kg-dry	1	4/15/2010
Ethylbenzene	ND	0.549		mg/Kg-dry	1	4/15/2010
m,p-Xylene	*1.75*	0.549		mg/Kg-dry	1	4/15/2010
o-Xylene	*0.626*	0.549		mg/Kg-dry	1	4/15/2010
Naphthalene	ND	1.10		mg/Kg-dry	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	90.1	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	91.8	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-10 (3-5)
Lab Order:	1004182	**Collection Date:**	4/8/2010 11:15:00 AM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-003	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
Unadjusted C5-C8 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0379		mg/Kg-dry	0.72	4/15/2010
Benzene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
Toluene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
Ethylbenzene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
m,p-Xylene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
o-Xylene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
Naphthalene	ND	0.758		mg/Kg-dry	0.72	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Surr: 2,5-Dibromotoluene FID	89.1	70-130		%REC	0.72	4/15/2010
Surr: 2,5-Dibromotoluene PID	89.0	70-130		%REC	0.72	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DUP
Lab Order:	1004182	**Collection Date:**	4/8/2010
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-004	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
Unadjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0549		mg/Kg-dry	1	4/15/2010
Benzene	ND	0.549		mg/Kg-dry	1	4/15/2010
Toluene	*4.81*	0.549		mg/Kg-dry	1	4/15/2010
Ethylbenzene	*2.85*	0.549		mg/Kg-dry	1	4/15/2010
m,p-Xylene	*10.1*	0.549		mg/Kg-dry	1	4/15/2010
o-Xylene	*3.84*	0.549		mg/Kg-dry	1	4/15/2010
Naphthalene	*1.31*	1.10		mg/Kg-dry	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	98.6	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	96.6	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY - SW1010						Analyst: **FC**
Flash Point	>93	20		°C	1	4/13/2009
POLYCHLORINATED BIPHENYLS - SW8082						Analyst: **Jsi**
Aroclor 1016	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1221	ND	110		µg/Kg-dry	1	4/15/2010
Aroclor 1232	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1242	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1248	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1254	*143*	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1260	ND	54.9		µg/Kg-dry	1	4/15/2010
Surr: Decachlorobiphenyl Sig 1	106	30-150		%REC	1	4/15/2010
Surr: Decachlorobiphenyl Sig 2	91.1	30-150		%REC	1	4/15/2010
Surr: Tetrachloro-m-Xylene Sig 1	105	30-150		%REC	1	4/15/2010
Surr: Tetrachloro-m-Xylene Sig 2	87.2	30-150		%REC	1	4/15/2010
TOTAL METALS BY ICP - SW6010B						Analyst: **QS**
Antimony	ND	5.28		mg/Kg-dry	1	4/13/2010
Arsenic	*7.54*	5.28		mg/Kg-dry	1	4/13/2010
Beryllium	ND	1.58		mg/Kg-dry	1	4/13/2010
Cadmium	ND	1.06		mg/Kg-dry	1	4/13/2010
Chromium	*22.3*	5.28		mg/Kg-dry	1	4/13/2010
Copper	*14.9*	5.28		mg/Kg-dry	1	4/13/2010
Lead	*20.6*	5.28		mg/Kg-dry	1	4/13/2010
Nickel	*14.9*	5.28		mg/Kg-dry	1	4/13/2010
Selenium	ND	5.28		mg/Kg-dry	1	4/13/2010
Thallium	ND	1.58		mg/Kg-dry	1	4/13/2010
Zinc	*35.6*	5.28		mg/Kg-dry	1	4/13/2010
TOTAL SILVER - SW6010B						Analyst: **QS**
Silver	ND	0.528		mg/Kg-dry	1	4/13/2010
MERCURY - SW7471A						Analyst: **EC**
Mercury	*1.19*	0.262		mg/Kg-dry	1	4/13/2010
VOLATILE ORGANIC COMPOUNDS - 8260B						Analyst: **ZYZ**
1,1,1,2-Tetrachloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS - 8260B						Analyst: ZYZ
1,1,1-Trichloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1,2,2-Tetrachloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1,2-Trichloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1-Dichloroethane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1-Dichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1-Dichloropropene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2,3-Trichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2,4-Trichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2,4-Trimethylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dibromo-3-Chloropropane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dibromoethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dichloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dichloropropane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,3,5-Trimethylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,3-Dichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,3-Dichloropropane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,4-Dichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2,2-Dichloropropane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Butanone	ND	241		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Chloroethyl Vinyl Ether	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Chlorotoluene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Hexanone	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
4-Chlorotoluene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
4-Isopropyltoluene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
4-Methyl-2-Pentanone	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Acetone	ND	401		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Acrylonitrile	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Benzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromochloromethane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromodichloromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromoform	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromomethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Carbon Disulfide	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Carbon Tetrachloride	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Chlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Chloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS - 8260B						Analyst: **ZYZ**
Chloroform	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Chloromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
cis-1,2-Dichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
cis-1,3-Dichloropropene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Dibromochloromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Dibromomethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Dichlorodifluoromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Ethylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Hexachlorobutadiene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Isopropylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Methyl Tert-Butyl Ether	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Methylene Chloride	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Naphthalene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
n-Butylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
n-Propylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
sec-Butylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Styrene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
tert-Butylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Tetrachloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Toluene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
trans-1,2-Dichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
trans-1,3-Dichloropropene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Trichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Trichlorofluoromethane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Vinyl Chloride	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Xylenes, Total	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	0.73	4/13/2010 7:54:00 PM
Surr: 4-Bromofluorobenzene	91.3	70-130		%REC	0.73	4/13/2010 7:54:00 PM
Surr: Dibromofluoromethane	92.6	70-130		%REC	0.73	4/13/2010 7:54:00 PM
Surr: Toluene-d8	91.2	70-130		%REC	0.73	4/13/2010 7:54:00 PM
PH - SW9045C						Analyst: **JC**
pH	*5.85*	0		pH Units	1	4/13/2010
NOTES: taken at 22.5 deg.C						
CYANIDE, REACTIVE - SW7.3.3.2						Analyst: **JC**
Reactive Cyanide	ND	5.49		mg/Kg-dry	1	4/13/2010

Qualifiers:

- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
CYANIDE, REACTIVE - SW7.3.3.2						Analyst: JC
SULFIDE, REACTIVE - SW7.3.4.2						Analyst: JC
Reactive Sulfide	ND	1.35		mg/Kg-dry	1	4/13/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	Trip Blank
Lab Order:	1004182	**Collection Date:**	
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-006	**Matrix:**	OTHER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
Unadjusted C5-C8 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0500		mg/Kg	1	4/15/2010
Benzene	ND	0.500		mg/Kg	1	4/15/2010
Toluene	ND	0.500		mg/Kg	1	4/15/2010
Ethylbenzene	ND	0.500		mg/Kg	1	4/15/2010
m,p-Xylene	ND	0.500		mg/Kg	1	4/15/2010
o-Xylene	ND	0.500		mg/Kg	1	4/15/2010
Naphthalene	ND	1.00		mg/Kg	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	25.0		mg/Kg	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	79.5	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	82.4	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL QC SUMMARY REPORT

Date: *21-Apr-10*

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 6010b_S

Sample ID: **MBLK-15702**	SampType: **MBLK**	TestCode: **6010b_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35799**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	5.00									
Arsenic	ND	5.00									
Beryllium	ND	1.50									
Cadmium	ND	1.00									
Chromium	ND	5.00									
Copper	ND	5.00									
Lead	ND	5.00									
Nickel	ND	5.00									
Selenium	ND	5.00									
Thallium	ND	1.50									
Zinc	ND	5.00									

Sample ID: **LCS-15702**	SampType: **LCS**	TestCode: **6010b_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35799**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	122.0	5.00	133.3	1.267	90.6	80	120				
Arsenic	122.0	5.00	133.3	0	91.5	80	120				
Beryllium	129.3	1.50	133.3	0	97.0	80	120				
Cadmium	119.3	1.00	133.3	0	89.5	80	120				
Chromium	124.7	5.00	133.3	0.2	93.4	80	120				
Copper	127.3	5.00	133.3	2	94.0	80	120				
Lead	118.7	5.00	133.3	0	89.0	80	120				
Nickel	122.7	5.00	133.3	0.1333	91.9	80	120				
Selenium	118.7	5.00	133.3	0	89.0	80	120				
Thallium	122.0	1.50	133.3	0	91.5	80	120				

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 6010b_S

Sample ID: **LCS-15702**	SampType: **LCS**	TestCode: **6010b_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35799**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	123.3	5.00	133.3	1.933	91.1	80	120				

Sample ID: **LCSD-15702**	SampType: **LCSD**	TestCode: **6010b_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35799**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402152**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	124.0	5.00	133.3	1.267	92.1	80	120	122	1.63	30	
Arsenic	124.0	5.00	133.3	0	93.0	80	120	122	1.63	30	
Beryllium	132.7	1.50	133.3	0	99.5	80	120	129.3	2.54	30	
Cadmium	122.7	1.00	133.3	0	92.0	80	120	119.3	2.75	30	
Chromium	127.3	5.00	133.3	0.2	95.4	80	120	124.7	2.12	30	
Copper	130.7	5.00	133.3	2	96.5	80	120	127.3	2.58	30	
Lead	120.7	5.00	133.3	0	90.5	80	120	118.7	1.67	30	
Nickel	125.3	5.00	133.3	0.1333	93.9	80	120	122.7	2.15	30	
Selenium	121.3	5.00	133.3	0	91.0	80	120	118.7	2.22	30	
Thallium	124.7	1.50	133.3	0	93.5	80	120	122	2.16	30	
Zinc	126.0	5.00	133.3	1.933	93.1	80	120	123.3	2.14	30	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8082_S_ase

Sample ID: **MB-15714**	SampType: **mblk**	TestCode: **8082_S_ase**	Units: **µg/Kg**	Prep Date: **4/14/2010**	RunNo: **35821**
Client ID: **ZZZZZ**	Batch ID: **15714**	TestNo: **SW8082**	**(SW3545A)**	Analysis Date: **4/15/2010**	SeqNo: **402257**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	50.0									
Aroclor 1221	ND	100									
Aroclor 1232	ND	50.0									
Aroclor 1242	ND	50.0									
Aroclor 1248	ND	50.0									
Aroclor 1254	ND	50.0									
Aroclor 1260	ND	50.0									
Surr: Decachlorobiphenyl Sig 1	72.16	0	100	0	72.2	30	150				
Surr: Decachlorobiphenyl Sig 2	72.25	0	100	0	72.3	30	150				
Surr: Tetrachloro-m-Xylene Sig 1	76.02	0	100	0	76.0	30	150				
Surr: Tetrachloro-m-Xylene Sig 2	70.65	0	100	0	70.6	30	150				

Sample ID: **LCS-15714**	SampType: **Lcs**	TestCode: **8082_S_ase**	Units: **µg/Kg**	Prep Date: **4/14/2010**	RunNo: **35821**
Client ID: **ZZZZZ**	Batch ID: **15714**	TestNo: **SW8082**	**(SW3545A)**	Analysis Date: **4/15/2010**	SeqNo: **402258**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	78.38	50.0	100	0	78.4	30	150				
Aroclor 1260	78.06	50.0	100	0	78.1	30	150				
Surr: Decachlorobiphenyl Sig 1	74.15	0	100	0	74.2	30	150				
Surr: Decachlorobiphenyl Sig 2	70.85	0	100	0	70.9	30	150				
Surr: Tetrachloro-m-Xylene Sig 1	72.34	0	100	0	72.3	30	150				
Surr: Tetrachloro-m-Xylene Sig 2	69.67	0	100	0	69.7	30	150				

Sample ID: **LCSD-15714**	SampType: **Lcsd**	TestCode: **8082_S_ase**	Units: **µg/Kg**	Prep Date: **4/14/2010**	RunNo: **35821**
Client ID: **ZZZZZ**	Batch ID: **15714**	TestNo: **SW8082**	**(SW3545A)**	Analysis Date: **4/15/2010**	SeqNo: **402259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8082_S_ase

Sample ID: **LCSD-15714**	SampType: **Lcsd**	TestCode: **8082_S_ase**	Units: **µg/Kg**	Prep Date: **4/14/2010**	RunNo: **35821**
Client ID: **ZZZZZ**	Batch ID: **15714**	TestNo: **SW8082**	**(SW3545A)**	Analysis Date: **4/15/2010**	SeqNo: **402259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	86.99	50.0	100	0	87.0	30	150	78.38	10.4	30	
Aroclor 1260	87.93	50.0	100	0	87.9	30	150	78.06	11.9	30	
Surr: Decachlorobiphenyl Sig 1	81.23	0	100	0	81.2	30	150	0	0	0	
Surr: Decachlorobiphenyl Sig 2	80.08	0	100	0	80.1	30	150	0	0	0	
Surr: Tetrachloro-m-Xylene Sig 1	80.74	0	100	0	80.7	30	150	0	0	0	
Surr: Tetrachloro-m-Xylene Sig 2	78.28	0	100	0	78.3	30	150	0	0	0	

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: **SB**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date:	RunNo: **35807**
Client ID: **ZZZZZ**	Batch ID: **R35807**	TestNo: **SW8260B**		Analysis Date: **4/13/2010**	SeqNo: **402071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50.0									
1,1,1-Trichloroethane	ND	50.0									
1,1,2,2-Tetrachloroethane	ND	50.0									
1,1,2-Trichloroethane	ND	50.0									
1,1-Dichloroethane	ND	125									
1,1-Dichloroethene	ND	50.0									
1,1-Dichloropropene	ND	50.0									
1,2,3-Trichlorobenzene	ND	50.0									
1,2,4-Trichlorobenzene	ND	50.0									
1,2,4-Trimethylbenzene	ND	50.0									
1,2-Dibromo-3-Chloropropane	ND	50.0									
1,2-Dibromoethane	ND	50.0									
1,2-Dichlorobenzene	ND	50.0									
1,2-Dichloroethane	ND	50.0									
1,2-Dichloropropane	ND	50.0									
1,3,5-Trimethylbenzene	ND	50.0									
1,3-Dichlorobenzene	ND	50.0									
1,3-Dichloropropane	ND	50.0									
1,4-Dichlorobenzene	ND	50.0									
2,2-Dichloropropane	ND	125									
2-Butanone	ND	300									
2-Chloroethyl Vinyl Ether	ND	50.0									
2-Chlorotoluene	ND	125									
2-Hexanone	ND	125									
4-Chlorotoluene	ND	125									
4-Isopropyltoluene	ND	50.0									
4-Methyl-2-Pentanone	ND	50.0									
Acetone	ND	500									

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873 **TestCode: 8260B_S**

Sample ID: **SB**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date:	RunNo: **35807**
Client ID: **ZZZZZ**	Batch ID: **R35807**	TestNo: **SW8260B**		Analysis Date: **4/13/2010**	SeqNo: **402071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrylonitrile	ND	50.0									
Benzene	ND	50.0									
Bromobenzene	ND	50.0									
Bromochloromethane	ND	125									
Bromodichloromethane	ND	50.0									
Bromoform	ND	50.0									
Bromomethane	ND	50.0									
Carbon Disulfide	ND	50.0									
Carbon Tetrachloride	ND	50.0									
Chlorobenzene	ND	50.0									
Chloroethane	ND	50.0									
Chloroform	ND	50.0									
Chloromethane	ND	50.0									
cis-1,2-Dichloroethene	ND	50.0									
cis-1,3-Dichloropropene	ND	50.0									
Dibromochloromethane	ND	50.0									
Dibromomethane	ND	50.0									
Dichlorodifluoromethane	ND	50.0									
Ethylbenzene	ND	50.0									
Hexachlorobutadiene	ND	50.0									
Isopropylbenzene	ND	50.0									
Methyl Tert-Butyl Ether	ND	50.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	125									
n-Butylbenzene	ND	50.0									
n-Propylbenzene	ND	50.0									
sec-Butylbenzene	ND	50.0									
Styrene	ND	125									

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: SB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402071

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	50.0									
Tetrachloroethene	ND	50.0									
Toluene	ND	50.0									
trans-1,2-Dichloroethene	ND	50.0									
trans-1,3-Dichloropropene	ND	50.0									
Trichloroethene	ND	50.0									
Trichlorofluoromethane	ND	125									
Vinyl Chloride	ND	50.0									
Xylenes, Total	ND	125									
Surr: 1,2-Dichloroethane-d4	798.8	0	750	0	106	70	130				
Surr: 4-Bromofluorobenzene	640.0	0	750	0	85.3	70	130				
Surr: Dibromofluoromethane	825.5	0	750	0	110	70	130				
Surr: Toluene-d8	656.2	0	750	0	87.5	70	130				

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	1068	50.0	1250	0	85.5	70	130				
1,1,1-Trichloroethane	993.5	50.0	1250	0	79.5	70	130				
1,1,2,2-Tetrachloroethane	1101	50.0	1250	0	88.1	70	130				
1,1,2-Trichloroethane	1102	50.0	1250	0	88.2	70	130				
1,1-Dichloroethane	929.0	125	1250	0	74.3	70	130				
1,1-Dichloroethene	918.3	50.0	1250	0	73.5	70	130				
1,1-Dichloropropene	914.0	50.0	1250	0	73.1	70	130				
1,2,3-Trichlorobenzene	1039	50.0	1250	0	83.1	70	130				
1,2,4-Trichlorobenzene	992.5	50.0	1250	0	79.4	70	130				

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: **LCS**	SampType: **LCS**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date:	RunNo: **35807**
Client ID: **ZZZZZ**	Batch ID: **R35807**	TestNo: **SW8260B**		Analysis Date: **4/13/2010**	SeqNo: **402069**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	1053	50.0	1250	0	84.2	70	130				
1,2-Dibromo-3-Chloropropane	1154	50.0	1250	0	92.3	70	130				
1,2-Dibromoethane	1062	50.0	1250	0	84.9	70	130				
1,2-Dichlorobenzene	1178	50.0	1250	0	94.2	70	130				
1,2-Dichloroethane	1023	50.0	1250	0	81.8	70	130				
1,2-Dichloropropane	909.0	50.0	1250	0	72.7	70	130				
1,3,5-Trimethylbenzene	1053	50.0	1250	0	84.2	70	130				
1,3-Dichlorobenzene	1208	50.0	1250	0	96.7	70	130				
1,3-Dichloropropane	916.2	50.0	1250	0	73.3	70	130				
1,4-Dichlorobenzene	1103	50.0	1250	0	88.3	70	130				
2,2-Dichloropropane	1092	125	1250	0	87.3	70	130				
2-Butanone	1028	300	1250	0	82.3	70	130				
2-Chloroethyl Vinyl Ether	906.8	50.0	1250	0	72.5	70	130				
2-Chlorotoluene	989.8	125	1250	0	79.2	70	130				
2-Hexanone	943.3	125	1250	0	75.5	70	130				
4-Chlorotoluene	1021	125	1250	0	81.7	70	130				
4-Isopropyltoluene	1040	50.0	1250	0	83.2	70	130				
4-Methyl-2-Pentanone	943.3	50.0	1250	0	75.5	70	130				
Acetone	1070	500	1250	0	85.6	70	130				
Acrylonitrile	4710	50.0	5000	0	94.2	70	130				
Benzene	933.2	50.0	1250	0	74.7	70	130				
Bromobenzene	1135	50.0	1250	0	90.8	70	130				
Bromochloromethane	954.8	125	1250	0	76.4	70	130				
Bromodichloromethane	1043	50.0	1250	0	83.4	70	130				
Bromoform	1140	50.0	1250	0	91.2	70	130				
Bromomethane	1391	50.0	1250	0	111	70	130				
Carbon Disulfide	846.8	50.0	1250	0	67.7	70	130				S
Carbon Tetrachloride	907.0	50.0	1250	0	72.6	70	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	1088	50.0	1250	0	87.0	70	130				
Chloroethane	916.5	50.0	1250	0	73.3	70	130				
Chloroform	1030	50.0	1250	0	82.4	70	130				
Chloromethane	929.2	50.0	1250	0	74.3	70	130				
cis-1,2-Dichloroethene	929.5	50.0	1250	0	74.4	70	130				
cis-1,3-Dichloropropene	914.0	50.0	1250	0	73.1	70	130				
Dibromochloromethane	1152	50.0	1250	0	92.1	70	130				
Dibromomethane	1075	50.0	1250	0	86.0	70	130				
Dichlorodifluoromethane	929.5	50.0	1250	0	74.4	70	130				
Ethylbenzene	1012	50.0	1250	0	80.9	70	130				
Hexachlorobutadiene	1092	50.0	1250	0	87.4	70	130				
Isopropylbenzene	1039	50.0	1250	0	83.1	70	130				
Methyl Tert-Butyl Ether	1009	50.0	1250	0	80.7	70	130				
Methylene Chloride	937.0	50.0	1250	0	75.0	70	130				
Naphthalene	1216	125	1250	0	97.3	70	130				
n-Butylbenzene	924.0	50.0	1250	0	73.9	70	130				
n-Propylbenzene	917.0	50.0	1250	0	73.4	70	130				
sec-Butylbenzene	973.0	50.0	1250	0	77.8	70	130				
Styrene	1054	125	1250	0	84.3	70	130				
tert-Butylbenzene	951.8	50.0	1250	0	76.1	70	130				
Tetrachloroethene	1163	50.0	1250	0	93.0	70	130				
Toluene	983.5	50.0	1250	0	78.7	70	130				
trans-1,2-Dichloroethene	917.2	50.0	1250	0	73.4	70	130				
trans-1,3-Dichloropropene	902.5	50.0	1250	0	72.2	70	130				
Trichloroethene	1066	50.0	1250	0	85.3	70	130				
Trichlorofluoromethane	1234	125	1250	0	98.7	70	130				
Vinyl Chloride	960.3	50.0	1250	0	76.8	70	130				
Xylenes, Total	2976	125	3750	0	79.4	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	686.5	0	750	0	91.5	70	130				
Surr: 4-Bromofluorobenzene	729.8	0	750	0	97.3	70	130				
Surr: Dibromofluoromethane	768.2	0	750	0	102	70	130				
Surr: Toluene-d8	729.8	0	750	0	97.3	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402070

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	1212	50.0	1250	0	96.9	70	130	1068	12.6	25	
1,1,1-Trichloroethane	1045	50.0	1250	0	83.6	70	130	993.5	5.05	25	
1,1,2,2-Tetrachloroethane	1164	50.0	1250	0	93.2	70	130	1101	5.63	25	
1,1,2-Trichloroethane	1192	50.0	1250	0	95.3	70	130	1102	7.78	25	
1,1-Dichloroethane	1077	125	1250	0	86.2	70	130	929	14.8	25	
1,1-Dichloroethene	1002	50.0	1250	0	80.1	70	130	918.3	8.70	25	
1,1-Dichloropropene	1018	50.0	1250	0	81.5	70	130	914	10.8	25	
1,2,3-Trichlorobenzene	1051	50.0	1250	0	84.1	70	130	1039	1.12	25	
1,2,4-Trichlorobenzene	1118	50.0	1250	0	89.4	70	130	992.5	11.9	25	
1,2,4-Trimethylbenzene	1164	50.0	1250	0	93.1	70	130	1053	9.99	25	
1,2-Dibromo-3-Chloropropane	1076	50.0	1250	0	86.1	70	130	1154	7.04	25	
1,2-Dibromoethane	1235	50.0	1250	0	98.8	70	130	1062	15.1	25	
1,2-Dichlorobenzene	1130	50.0	1250	0	90.4	70	130	1178	4.16	25	
1,2-Dichloroethane	1164	50.0	1250	0	93.1	70	130	1023	12.9	25	
1,2-Dichloropropane	969.8	50.0	1250	0	77.6	70	130	909	6.47	25	
1,3,5-Trimethylbenzene	1237	50.0	1250	0	99.0	70	130	1053	16.1	25	
1,3-Dichlorobenzene	1198	50.0	1250	0	95.9	70	130	1208	0.852	25	
1,3-Dichloropropane	1166	50.0	1250	0	93.3	70	130	916.2	24.0	25	

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date:	RunNo: **35807**
Client ID: **ZZZZZ**	Batch ID: **R35807**	TestNo: **SW8260B**		Analysis Date: **4/13/2010**	SeqNo: **402070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	1187	50.0	1250	0	95.0	70	130	1103	7.33	25	
2,2-Dichloropropane	995.8	125	1250	0	79.7	70	130	1092	9.17	25	
2-Butanone	987.0	300	1250	0	79.0	70	130	1028	4.09	25	
2-Chloroethyl Vinyl Ether	967.5	50.0	1250	0	77.4	70	130	906.8	6.48	25	
2-Chlorotoluene	1239	125	1250	0	99.1	70	130	989.8	22.4	25	
2-Hexanone	1122	125	1250	0	89.8	70	130	943.3	17.3	25	
4-Chlorotoluene	1254	125	1250	0	100	70	130	1021	20.4	25	
4-Isopropyltoluene	1070	50.0	1250	0	85.6	70	130	1040	2.87	25	
4-Methyl-2-Pentanone	1122	50.0	1250	0	89.8	70	130	943.3	17.3	25	
Acetone	999.0	500	1250	0	79.9	70	130	1070	6.84	25	
Acrylonitrile	5168	50.0	5000	0	103	70	130	4710	9.27	25	
Benzene	1022	50.0	1250	0	81.8	70	130	933.2	9.13	25	
Bromobenzene	1446	50.0	1250	0	116	70	130	1135	24.1	25	
Bromochloromethane	990.2	125	1250	0	79.2	70	130	954.8	3.65	25	
Bromodichloromethane	1145	50.0	1250	0	91.6	70	130	1043	9.37	25	
Bromoform	1357	50.0	1250	0	109	70	130	1140	17.4	25	
Bromomethane	1505	50.0	1250	0	120	70	130	1391	7.87	25	
Carbon Disulfide	941.0	50.0	1250	0	75.3	70	130	846.8	10.5	25	
Carbon Tetrachloride	1155	50.0	1250	0	92.4	70	130	907	24.1	25	
Chlorobenzene	1161	50.0	1250	0	92.9	70	130	1088	6.49	25	
Chloroethane	994.8	50.0	1250	0	79.6	70	130	916.5	8.19	25	
Chloroform	1140	50.0	1250	0	91.2	70	130	1030	10.2	25	
Chloromethane	1015	50.0	1250	0	81.2	70	130	929.2	8.82	25	
cis-1,2-Dichloroethene	1016	50.0	1250	0	81.3	70	130	929.5	8.92	25	
cis-1,3-Dichloropropene	1036	50.0	1250	0	82.9	70	130	914	12.5	25	
Dibromochloromethane	1321	50.0	1250	0	106	70	130	1152	13.7	25	
Dibromomethane	1182	50.0	1250	0	94.6	70	130	1075	9.50	25	
Dichlorodifluoromethane	1144	50.0	1250	0	91.5	70	130	929.5	20.6	25	

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date:	RunNo: **35807**
Client ID: **ZZZZZ**	Batch ID: **R35807**	TestNo: **SW8260B**		Analysis Date: **4/13/2010**	SeqNo: **402070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	1192	50.0	1250	0	95.4	70	130	1012	16.4	25	
Hexachlorobutadiene	993.8	50.0	1250	0	79.5	70	130	1092	9.44	25	
Isopropylbenzene	1183	50.0	1250	0	94.6	70	130	1039	13.0	25	
Methyl Tert-Butyl Ether	1034	50.0	1250	0	82.8	70	130	1009	2.52	25	
Methylene Chloride	1036	50.0	1250	0	82.8	70	130	937	9.99	25	
Naphthalene	1167	125	1250	0	93.3	70	130	1216	4.15	25	
n-Butylbenzene	989.2	50.0	1250	0	79.1	70	130	924	6.82	25	
n-Propylbenzene	1182	50.0	1250	0	94.6	70	130	917	25.3	25	R
sec-Butylbenzene	977.2	50.0	1250	0	78.2	70	130	973	0.436	25	
Styrene	1216	125	1250	0	97.3	70	130	1054	14.3	25	
tert-Butylbenzene	1200	50.0	1250	0	96.0	70	130	951.8	23.1	25	
Tetrachloroethene	1337	50.0	1250	0	107	70	130	1163	13.9	25	
Toluene	1119	50.0	1250	0	89.5	70	130	983.5	12.9	25	
trans-1,2-Dichloroethene	1020	50.0	1250	0	81.6	70	130	917.2	10.6	25	
trans-1,3-Dichloropropene	1078	50.0	1250	0	86.2	70	130	902.5	17.7	25	
Trichloroethene	1212	50.0	1250	0	97.0	70	130	1066	12.9	25	
Trichlorofluoromethane	1323	125	1250	0	106	70	130	1234	6.98	25	
Vinyl Chloride	965.0	50.0	1250	0	77.2	70	130	960.3	0.493	25	
Xylenes, Total	3592	125	3750	0	95.8	70	130	2976	18.8	25	
Surr: 1,2-Dichloroethane-d4	751.5	0	750	0	100	70	130	0	0	25	
Surr: 4-Bromofluorobenzene	689.5	0	750	0	91.9	70	130	0	0	25	
Surr: Dibromofluoromethane	816.0	0	750	0	109	70	130	0	0	25	
Surr: Toluene-d8	783.2	0	750	0	104	70	130	0	0	25	

Qualifiers:

- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: AG_S

Sample ID: **MB-15702**	SampType: **MBLK**	TestCode: **AG_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35813**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	10.0									

Sample ID: **LCS-15702**	SampType: **LCS**	TestCode: **AG_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35813**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	26.73	10.0	33.33	0	80.2	80	120				

Sample ID: **LCSD-15702**	SampType: **LCSD**	TestCode: **AG_S**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35813**
Client ID: **ZZZZZ**	Batch ID: **15702**	TestNo: **SW6010B**	**(SW3050B)**	Analysis Date: **4/13/2010**	SeqNo: **402161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	26.73	10.0	33.33	0	80.2	80	120	26.73	0	30	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: hg_7471a_s

Sample ID: **MB-15705**	SampType: **MBLK**	TestCode: **hg_7471a_s**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35803**
Client ID: **ZZZZZ**	Batch ID: **15705**	TestNo: **SW 7471A**	**(SW7471A)**	Analysis Date: **4/13/2010**	SeqNo: **402008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									

Sample ID: **LCS-15705**	SampType: **LCS**	TestCode: **hg_7471a_s**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35803**
Client ID: **ZZZZZ**	Batch ID: **15705**	TestNo: **SW 7471A**	**(SW7471A)**	Analysis Date: **4/13/2010**	SeqNo: **402009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.500	0.250	2.5	0	100	80	120				

Sample ID: **LCSD-15705**	SampType: **LCSD**	TestCode: **hg_7471a_s**	Units: **mg/Kg**	Prep Date: **4/13/2010**	RunNo: **35803**
Client ID: **ZZZZZ**	Batch ID: **15705**	TestNo: **SW 7471A**	**(SW7471A)**	Analysis Date: **4/13/2010**	SeqNo: **402017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.505	0.250	2.5	0	100	80	120	2.5	0.200	30	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: VPH_S2

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_S2**	Units: **mg/Kg**	Prep Date:	RunNo: **35853**
Client ID: **ZZZZZ**	Batch ID: **R35853**	TestNo: **VPH**		Analysis Date: **4/15/2010**	SeqNo: **402591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	0.500									
2,2,4-Trimethylpentane	ND	0.500									
2-Methylpentane	ND	0.500									
n-Butylcyclohexane	ND	0.500									
n-Decane	ND	0.500									
n-Nonane	ND	0.500									
n-Pentane	ND	0.500									
Unadjusted C5-C8 Aliphatic HC	ND	25.0									
Unadjusted C9-C12 Aliphatic HC	ND	25.0									
Methyl Tert-Butyl Ether	ND	0.0500									
Benzene	ND	0.500									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
o-Xylene	ND	0.500									
Naphthalene	ND	1.00									
C9-C10 Aromatic Hydrocarbons	ND	25.0									
Surr: 2,5-Dibromotoluene FID	101.9	0	100	0	102	70	130				
Surr: 2,5-Dibromotoluene PID	99.86	0	100	0	99.9	70	130				

Sample ID: **LCS**	SampType: **LCS**	TestCode: **VPH_S2**	Units: **mg/Kg**	Prep Date:	RunNo: **35853**
Client ID: **ZZZZZ**	Batch ID: **R35853**	TestNo: **VPH**		Analysis Date: **4/15/2010**	SeqNo: **402589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	104.2	0.500	100	0	104	70	130				
2,2,4-Trimethylpentane	108.7	0.500	100	0	109	70	130				
2-Methylpentane	89.13	0.500	100	0	89.1	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: VPH_S2

Sample ID: LCS	SampType: LCS	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402589

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylcyclohexane	81.25	0.500	100	0	81.2	70	130				
n-Decane	93.45	0.500	100	0	93.5	70	130				
n-Nonane	91.55	0.500	100	0	91.6	30	130				
n-Pentane	112.5	0.500	100	0	113	70	130				
Unadjusted C5-C8 Aliphatic HC	350.2	25.0	300	0	117	70	130				
Unadjusted C9-C12 Aliphatic HC	314.5	25.0	300	0	105	70	130				
Methyl Tert-Butyl Ether	108.3	0.0500	100	0	108	70	130				
Benzene	117.8	0.500	100	0	118	70	130				
Toluene	116.1	0.500	100	0	116	70	130				
Ethylbenzene	109.1	0.500	100	0	109	70	130				
m,p-Xylene	215.8	0.500	200	0	108	70	130				
o-Xylene	108.1	0.500	100	0	108	70	130				
Naphthalene	106.5	1.00	100	0	106	70	130				
C9-C10 Aromatic Hydrocarbons	110.1	25.0	100	0	110	70	130				
Surr: 2,5-Dibromotoluene FID	104.6	0	100	0	105	70	130				
Surr: 2,5-Dibromotoluene PID	127.1	0	100	0	127	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402590

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	98.80	0.500	100	0	98.8	70	130	104.2	5.32	25	
2,2,4-Trimethylpentane	87.47	0.500	100	0	87.5	70	130	108.7	21.6	25	
2-Methylpentane	90.29	0.500	100	0	90.3	70	130	89.13	1.29	25	
n-Butylcyclohexane	79.05	0.500	100	0	79.0	70	130	81.25	2.75	25	
n-Decane	94.42	0.500	100	0	94.4	70	130	93.45	1.03	25	
n-Nonane	90.16	0.500	100	0	90.2	30	130	91.55	1.52	25	

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: VPH_S2

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **VPH_S2**	Units: **mg/Kg**	Prep Date:	RunNo: **35853**
Client ID: **ZZZZZ**	Batch ID: **R35853**	TestNo: **VPH**		Analysis Date: **4/15/2010**	SeqNo: **402590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Pentane	122.4	0.500	100	0	122	70	130	112.5	8.44	25	
Unadjusted C5-C8 Aliphatic HC	324.6	25.0	300	0	108	70	130	350.2	7.59	25	
Unadjusted C9-C12 Aliphatic HC	309.1	25.0	300	0	103	70	130	314.5	1.74	25	
Methyl Tert-Butyl Ether	112.8	0.0500	100	0	113	70	130	108.3	4.06	25	
Benzene	123.4	0.500	100	0	123	70	130	117.8	4.67	25	
Toluene	113.6	0.500	100	0	114	70	130	116.1	2.19	25	
Ethylbenzene	111.0	0.500	100	0	111	70	130	109.1	1.70	25	
m,p-Xylene	212.7	0.500	200	0	106	70	130	215.8	1.42	25	
o-Xylene	106.2	0.500	100	0	106	70	130	108.1	1.85	25	
Naphthalene	124.1	1.00	100	0	124	70	130	106.5	15.2	25	
C9-C10 Aromatic Hydrocarbons	109.6	25.0	100	0	110	70	130	110.1	0.493	25	
Surr: 2,5-Dibromotoluene FID	127.9	0	100	0	128	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	129.0	0	100	0	129	70	130	0	0	25	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / (Not Needed) / Lab to do
Preservation: Lab to do Y / N

Special Instructions
CFI # 2141
1289 Main Street
Leominster, MA

Turnaround: circle one
1-day 3-day
2-day (5 / 7-days)

Data Delivery: circle choice (s)
Fax (email)
Format:
Excel (PDF)

Requirements: circle choice (s) 1004182
GW-1 (MCP Methods)
S-1 (DEP)
QC Other GW-2/GW-3
CT RCP (Reasonable Confidence Protocols)
State / Fed Program - Criteria MA

Client: AECOM
Address: 2 Technology Park Dr
Westford, MA 01886
Contact: Mark Newell

Phone: 978-589-3000
Fax: 978-589-3705
email: mark.newell@aecom.com

Project: 60136873 (SC)
Project PO:
Invoice to *: Cumberland Farms

Preservative: 6/7 | 6 | 7 | 7 | 7 | 7 | 7

COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION / ID	CONTAINER TYPE	CONTAINER QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	Analysis Requested: VPH	8260B	PCB by 8082	PP13 Metals	PH	Reactivity (sulfide+cyanide)	Flash Point		TEMPERATURE	LAB PH
4/8/10	930	JC	MW-7 (0-3)	G/V	3	S	X		4182-001	X								7/5C	
↓	945	↓	MW-7 (8-15)	↓	↓	↓	↓		002	↓									
	11 15		MW-10 (3-5)						003										
↓		↓	DUP						004										
↓	1415	↓	DRUM	↓	4	↓	↓		005		X	X	X	X	X	X			
4/10/10			Trip blank	V	2	OT			006	X									

Matrix Codes:
GW = Ground Water DW = Drinking Water S = Soil A = Air
WW = Waste Water SL = Sludge O = Oil OT = Other

Received on Ice ✓

Preservatives
1 = Hcl 3 = H2SO4 5 = NaOH 7 = Other
2 = HNO3 4 = Na2S2O3 6 = MEOH

Containers:
A = Amber B = Bag O = Other
G = Glass P = Plastic
S = Summa V = Voa

Relinquished by:	Date / Time	Received by:	Date / Time
Julian Chamber	4/9/10 9:00am	[signature]	4.9.10 9:55
[signature]	4.9.10 3:55	JC	4/9/10 15:55

CT (PH-0148) MA (MA - 015) NH (2508) NJ (MA-009)
NY(11796) PA (68-03417) RI (LA000252)

ANALYTICAL REPORT

Thursday, April 22, 2010

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Mark Newell
AECOM
2 Technology Park Dr
Westford, MA

TEL: (978) 589-3000
FAX:

Project: CFI 2063
Location: 1289 Main St Leominster, MA

Order No.: 1004299

Dear Mark Newell:

GeoLabs, Inc. received 6 sample(s) on 4/16/2010 for the analyses presented in the following report.

All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - NY (11796) - PA (68-03417) - RI (LA000252)

Accredited in Accordance with NELAC

Work Order Sample Summary

CLIENT:	AECOM	**Project:**	CFI 2063
Lab Order:	1004299	**Location:**	1289 Main St Leominster, MA

Lab Sample ID	Client Sample ID	Matrix	Tests Requested	Collection Date	Date Received
1004299-001A	MW-7	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-002A	MW-8	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-003A	MW-9	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-004A	MW-10	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-005A	DUP	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-006A	Trip Blank	Other	VPH - MADEP VPH	4/15/2010	4/16/2010

Date: *22-Apr-10*

CLIENT:	AECOM
Project:	CFI 2063
Lab Order:	1004299

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project # CFI# 2063
Project Location: 1289 Main Street MADEP RTN #:
Leominster, MA
This form provides certification for the following data set: 1004299 (001-006)

Sample Matrix: Groundwater

MCP Methods Used: VPH

An affirmative answer to questions A, B, C and D are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

D. VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) YES

A response to questions E and F are required for "Presumptive Certainty" status

E. Were all QC performance standards and recommendations for the specified methods achieved? NO
F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CLIENT:	AECOM
Project:	CFI 2063
Lab Order:	1004299

CASE NARRATIVE

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

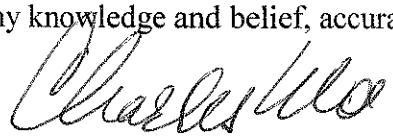
The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

VPH Run 35925 RPD for 2-Methylpentane is outside the limit, however the percent recoveries for all compounds are within the recovery limits.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Charles Morrow Date: April 22, 2010

CLIENT:	AECOM
Project:	CFI 2063
Lab Order:	1004299

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1

Carbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range. (MTBE, Benzene, Toluene)

C9-C12 Aliphatic Hydrocarbons exclude concentration of Target Analytes eluting in that range (Ethylbenzene, m&p-Xylenes, o-Xylene) AND concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES
Were all QA/QC performance/acceptance standards achieved? NO (See Case Narrative for details)
Were any significant modifications made to the VPH method, as specified in Sec. 11.3? NO

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: Charles Morrow POSITION: LAB DIRECTOR

PRINTED NAME: Charles Morrow

DATE: April 22, 2010

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-7
Lab Order:	1004299	**Collection Date:**	4/15/2010 3:30:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-001	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	*4230*	3750		µg/L	50	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*26600*	3750		µg/L	50	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*9990*	5000		µg/L	50	4/20/2010
Methyl Tert-Butyl Ether	*17700*	250		µg/L	50	4/20/2010
Benzene	*1830*	250		µg/L	50	4/20/2010
Toluene	*11100*	250		µg/L	50	4/20/2010
Ethylbenzene	*2970*	250		µg/L	50	4/20/2010
m,p-Xylene	*8350*	250		µg/L	50	4/20/2010
o-Xylene	*3430*	250		µg/L	50	4/20/2010
Naphthalene	*982*	750		µg/L	50	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	96.9	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene FID	124	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	88.9	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene PID	125	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-8
Lab Order:	1004299	**Collection Date:**	4/15/2010 3:00:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-002	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*104*	100		µg/L	1	4/20/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/20/2010
Benzene	ND	5.00		µg/L	1	4/20/2010
Toluene	*49.3*	5.00		µg/L	1	4/20/2010
Ethylbenzene	*18.6*	5.00		µg/L	1	4/20/2010
m,p-Xylene	*69.4*	5.00		µg/L	1	4/20/2010
o-Xylene	*25.3*	5.00		µg/L	1	4/20/2010
Naphthalene	ND	20.0		µg/L	1	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/20/2010
Surr: 2,5-Dibromotoluene FID	99.1	70-130		%REC	1	4/20/2010
Surr: 2,5-Dibromotoluene PID	97.6	70-130		%REC	1	4/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-9
Lab Order:	1004299	**Collection Date:**	4/15/2010 2:30:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-003	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/20/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/20/2010
Benzene	*21.3*	5.00		µg/L	1	4/20/2010
Toluene	*34.4*	5.00		µg/L	1	4/20/2010
Ethylbenzene	*10.6*	5.00		µg/L	1	4/20/2010
m,p-Xylene	*35.7*	5.00		µg/L	1	4/20/2010
o-Xylene	*14.4*	5.00		µg/L	1	4/20/2010
Naphthalene	ND	20.0		µg/L	1	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/20/2010
Surr: 2,5-Dibromotoluene FID	91.0	70-130		%REC	1	4/20/2010
Surr: 2,5-Dibromotoluene PID	88.0	70-130		%REC	1	4/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-10
Lab Order:	1004299	**Collection Date:**	4/15/2010 2:00:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-004	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/17/2010
Benzene	ND	5.00		µg/L	1	4/17/2010
Toluene	ND	5.00		µg/L	1	4/17/2010
Ethylbenzene	ND	5.00		µg/L	1	4/17/2010
m,p-Xylene	ND	5.00		µg/L	1	4/17/2010
o-Xylene	ND	5.00		µg/L	1	4/17/2010
Naphthalene	ND	20.0		µg/L	1	4/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	85.3	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	74.5	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DUP
Lab Order:	1004299	**Collection Date:**	4/15/2010
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-005	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*4090*	3750		µg/L	50	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*26300*	3750		µg/L	50	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*9560*	5000		µg/L	50	4/20/2010
Methyl Tert-Butyl Ether	*18700*	250		µg/L	50	4/20/2010
Benzene	*1900*	250		µg/L	50	4/20/2010
Toluene	*10900*	250		µg/L	50	4/20/2010
Ethylbenzene	*2730*	250		µg/L	50	4/20/2010
m,p-Xylene	*8230*	250		µg/L	50	4/20/2010
o-Xylene	*3430*	250		µg/L	50	4/20/2010
Naphthalene	*788*	750		µg/L	50	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	88.3	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene FID	127	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	84.3	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene PID	116	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	Trip Blank
Lab Order:	1004299	**Collection Date:**	4/15/2010 11:00:00 AM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-006	**Matrix:**	OTHER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/17/2010
Benzene	ND	5.00		µg/L	1	4/17/2010
Toluene	ND	5.00		µg/L	1	4/17/2010
Ethylbenzene	ND	5.00		µg/L	1	4/17/2010
m,p-Xylene	ND	5.00		µg/L	1	4/17/2010
o-Xylene	ND	5.00		µg/L	1	4/17/2010
Naphthalene	ND	20.0		µg/L	1	4/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	121	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	113	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

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ANALYTICAL QC SUMMARY REPORT

Date: *22-Apr-10*

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35922**
Client ID: **ZZZZZ**	Batch ID: **R35922**	TestNo: **VPH**		Analysis Date: **4/17/2010**	SeqNo: **403894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	83.50	0	100	0	83.5	70	130				
Surr: 2,5-Dibromotoluene PID	72.38	0	100	0	72.4	70	130				

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35925**
Client ID: **ZZZZZ**	Batch ID: **R35925**	TestNo: **VPH**		Analysis Date: **4/20/2010**	SeqNo: **403938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35925**
Client ID: **ZZZZZ**	Batch ID: **R35925**	TestNo: **VPH**		Analysis Date: **4/20/2010**	SeqNo: **403938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	120.8	0	100	0	121	70	130				
Surr: 2,5-Dibromotoluene PID	120.4	0	100	0	120	70	130				

Sample ID: **LCS**	SampType: **LCS**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35922**
Client ID: **ZZZZZ**	Batch ID: **R35922**	TestNo: **VPH**		Analysis Date: **4/17/2010**	SeqNo: **403892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	98.43	5.00	100	0	98.4	70	130				

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35922
Client ID: ZZZZZ	Batch ID: R35922	TestNo: VPH		Analysis Date: 4/17/2010	SeqNo: 403892

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2,4-Trimethylpentane	108.3	5.00	100	0	108	70	130				
2-Methylpentane	88.50	5.00	100	0	88.5	70	130				
n-Butylcyclohexane	77.11	5.00	100	0	77.1	70	130				
n-Decane	83.26	5.00	100	0	83.3	70	130				
n-Nonane	60.28	5.00	100	0	60.3	30	130				
n-Pentane	97.89	5.00	100	0	97.9	70	130				
C9-C10 Aromatic Hydrocarbons	79.32	75.0	100	0	79.3	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	314.9	75.0	300	0	105	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	266.7	100	300	0	88.9	70	130				
Methyl Tert-Butyl Ether	102.4	5.00	100	0	102	70	130				
Benzene	123.1	5.00	100	0	123	70	130				
Toluene	117.0	5.00	100	0	117	70	130				
Ethylbenzene	104.7	5.00	100	0	105	70	130				
m,p-Xylene	212.2	5.00	200	0	106	70	130				
o-Xylene	104.9	5.00	100	0	105	70	130				
Naphthalene	80.11	20.0	100	0	80.1	70	130				
Surr: 2,5-Dibromotoluene FID	125.8	0	100	0	126	70	130				
Surr: 2,5-Dibromotoluene PID	116.3	0	100	0	116	70	130				

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	117.2	5.00	100	0	117	70	130				
2,2,4-Trimethylpentane	110.5	5.00	100	0	110	70	130				
2-Methylpentane	76.20	5.00	100	0	76.2	70	130				
n-Butylcyclohexane	90.92	5.00	100	0	90.9	70	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: **LCS** SampType: **LCS** TestCode: **VPH_W2** Units: **µg/L** Prep Date: RunNo: **35925**
Client ID: **ZZZZZ** Batch ID: **R35925** TestNo: **VPH** Analysis Date: **4/20/2010** SeqNo: **403936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	102.8	5.00	100	0	103	70	130				
n-Nonane	102.7	5.00	100	0	103	30	130				
n-Pentane	109.0	5.00	100	0	109	70	130				
C9-C10 Aromatic Hydrocarbons	118.7	75.0	100	0	119	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	293.7	75.0	300	0	97.9	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	349.4	100	300	0	116	70	130				
Methyl Tert-Butyl Ether	123.8	5.00	100	0	124	70	130				
Benzene	116.7	5.00	100	0	117	70	130				
Toluene	121.2	5.00	100	0	121	70	130				
Ethylbenzene	124.4	5.00	100	0	124	70	130				
m,p-Xylene	227.1	5.00	200	0	114	70	130				
o-Xylene	113.5	5.00	100	0	114	70	130				
Naphthalene	112.2	20.0	100	0	112	70	130				
Surr: 2,5-Dibromotoluene FID	125.1	0	100	0	125	70	130				
Surr: 2,5-Dibromotoluene PID	124.7	0	100	0	125	70	130				

Sample ID: **LCSD** SampType: **LCSD** TestCode: **VPH_W2** Units: **µg/L** Prep Date: RunNo: **35922**
Client ID: **ZZZZZ** Batch ID: **R35922** TestNo: **VPH** Analysis Date: **4/17/2010** SeqNo: **403893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	99.34	5.00	100	0	99.3	70	130	98.43	0.923	25	
2,2,4-Trimethylpentane	95.72	5.00	100	0	95.7	70	130	108.3	12.3	25	
2-Methylpentane	90.29	5.00	100	0	90.3	70	130	88.5	1.99	25	
n-Butylcyclohexane	74.41	5.00	100	0	74.4	70	130	77.11	3.56	25	
n-Decane	79.60	5.00	100	0	79.6	70	130	83.26	4.49	25	
n-Nonane	61.07	5.00	100	0	61.1	30	130	60.28	1.31	25	
n-Pentane	90.29	5.00	100	0	90.3	70	130	97.89	8.08	25	

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: **LCSD** SampType: **LCSD** TestCode: **VPH_W2** Units: **µg/L** Prep Date: RunNo: **35922**
Client ID: **ZZZZZ** Batch ID: **R35922** TestNo: **VPH** Analysis Date: **4/17/2010** SeqNo: **403893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C9-C10 Aromatic Hydrocarbons	83.31	75.0	100	0	83.3	70	130	79.32	4.91	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	301.7	75.0	300	0	101	70	130	314.9	4.27	25	
Unadjusted C9-C12 Aliphatic Hydrocar	269.8	100	300	0	89.9	70	130	266.7	1.16	25	
Methyl Tert-Butyl Ether	108.4	5.00	100	0	108	70	130	102.4	5.72	25	
Benzene	119.4	5.00	100	0	119	70	130	123.1	3.11	25	
Toluene	117.0	5.00	100	0	117	70	130	117	0.0154	25	
Ethylbenzene	105.3	5.00	100	0	105	70	130	104.7	0.567	25	
m,p-Xylene	214.5	5.00	200	0	107	70	130	212.2	1.06	25	
o-Xylene	105.7	5.00	100	0	106	70	130	104.9	0.821	25	
Naphthalene	94.86	20.0	100	0	94.9	70	130	80.11	16.9	25	
Surr: 2,5-Dibromotoluene FID	105.4	0	100	0	105	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	102.9	0	100	0	103	70	130	0	0	25	

Sample ID: **LCSD** SampType: **LCSD** TestCode: **VPH_W2** Units: **µg/L** Prep Date: RunNo: **35925**
Client ID: **ZZZZZ** Batch ID: **R35925** TestNo: **VPH** Analysis Date: **4/20/2010** SeqNo: **403937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	108.0	5.00	100	0	108	70	130	117.2	8.12	25	
2,2,4-Trimethylpentane	104.2	5.00	100	0	104	70	130	110.5	5.87	25	
2-Methylpentane	99.01	5.00	100	0	99.0	70	130	76.2	26.0	25	R
n-Butylcyclohexane	85.19	5.00	100	0	85.2	70	130	90.92	6.50	25	
n-Decane	100.2	5.00	100	0	100	70	130	102.8	2.56	25	
n-Nonane	95.27	5.00	100	0	95.3	30	130	102.7	7.51	25	
n-Pentane	109.7	5.00	100	0	110	70	130	109	0.640	25	
C9-C10 Aromatic Hydrocarbons	116.4	75.0	100	0	116	70	130	118.7	2.00	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	345.5	75.0	300	0	115	70	130	293.7	16.2	25	
Unadjusted C9-C12 Aliphatic Hydrocar	332.8	100	300	0	111	70	130	349.4	4.86	25	

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **VPH_W2**	Units: **µg/L**	Prep Date:	RunNo: **35925**
Client ID: **ZZZZZ**	Batch ID: **R35925**	TestNo: **VPH**		Analysis Date: **4/20/2010**	SeqNo: **403937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Tert-Butyl Ether	114.7	5.00	100	0	115	70	130	123.8	7.56	25	
Benzene	111.1	5.00	100	0	111	70	130	116.7	4.92	25	
Toluene	113.7	5.00	100	0	114	70	130	121.2	6.38	25	
Ethylbenzene	121.0	5.00	100	0	121	70	130	124.4	2.77	25	
m,p-Xylene	214.2	5.00	200	0	107	70	130	227.1	5.85	25	
o-Xylene	107.9	5.00	100	0	108	70	130	113.5	5.05	25	
Naphthalene	105.0	20.0	100	0	105	70	130	112.2	6.72	25	
Surr: 2,5-Dibromotoluene FID	118.1	0	100	0	118	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	106.7	0	100	0	107	70	130	0	0	25	

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / (Not Needed) / Lab to do
Preservation: Lab to do Y / (N)

Special Instructions
1289 MAIN STREET
LEOMINSTER, MA

Turnaround: circle one
1-day 3-day
2-day (5 / 7-days)

Data Delivery: circle choice (s)
Fax (email)
Format:
Excel (PDF)

(GW-1) (MCP Methods)
S-1 DEP
QC Other _____

Requirements: circle choice (s) 1004299
CT RCP (Reasonable Confidence Protocols)
State / Fed Program - Criteria MA

Client: AECOM
Address: 2 Technology Park Drive Westford MA
Contact: MARK NEWELL

Phone: 978-589-3000
Fax:
email: mark.newell@aecom.com

Project: CFI # 2063
Project PO: 27243
Invoice to *:

Preservative: 1

COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION / ID	CONTAINER TYPE	CONTAINER QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	Analysis Requested: VPH								TEMPERATURE	LAB pH
4/15/10	1530	FB	MW-7	V	3	GW		X	4299-001	X								6/4°	
	1500		MW-8	V	3	GW		X	002	X									
	1430		MW-9	V	3	GW		X	003	X									
	1400		MW-10	V	3	GW		X	004	X									
			DUP	V	3	GW		X	005	X									
4/15/10	1100	FB	Trip Blank	V	2	GW		X	006	X									

Matrix Codes:
GW = Ground Water DW = Drinking Water S = Soil A = Air
WW = Waste Water SL = Sludge O = Oil OT = Other

Received on Ice ✓

Preservatives
1 = Hcl 3 = H2SO4 5 = NaOH 7 = Other
2 = HNO3 4 = Na2S2O3 6 = MEOH

Containers:
A = Amber B = Bag O = Other
G = Glass P = Plastic
S = Summa V = Voa

Relinquished by:	Date / Time	Received by:	Date / Time
FBL. GSE	4/15/10 1830	[signature]	4.16.10 10:58
		KC	4/16/10 16:35

Attachment C

April 2010 Boring Logs

Project Number:	02140-393		
Client:	Cumberland Farms, Inc. 100 Crossing Boulevard Framingham, Massachusetts	AECOM 2 Technology Park Drive Westford, Massachusetts (978) 589-3000	
Site Location:	CFI #2141 1289 Main Street Leominster, Massachusetts		
Project Manager:	M. Newell	*Field Technician:* J. Chambert	*Date Started:* 4/8/2010
Drilling Contractor:	TDS	*Driller:* Matt	*Date Completed:* 4/8/2010

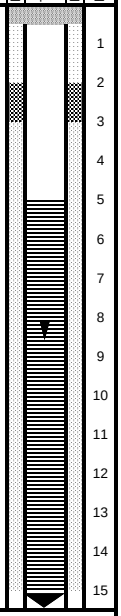
Boring Log

Use:	Soil Investigation
Boring Number:	1
Sheet:	1 of 1
Equipment:	Geoprobe 6610DT
Inside Diameter:	4.25
Outside Diameter:	

MW-7

Well Depth:	15'
Screen Depth:	5-15'
Screen length:	10'
Water Depth:	~8'

Depth	Sample Depth	Sample Number	Blow Counts (24") 0-6	6-12	12-18	18-24	Pen (in.)	Rec (in.)	Sorting	Moisture	PID (ppm)	Field Identification	Description
1												Asphalt Air Vac to 7 feet below grade - cleared	6 in-Road Box Clean Native Fill
2	0-3'		NA	NA	NA	NA	NA	NA	SP	Dry	9.6	Brown, medium SAND (Fill)	Bentonite Seal
3													2" PVC Riser
4	3-5'		NA	NA	NA	NA	NA	NA	SP	Dry	17.6	Same as above	
5													
6									SP	Dry	4.0	Same as above	
7									SM	Dry	3.9		
8	5-10'		NA	NA	NA	NA	NA	50"	SM	Dry	11.1	Grey, TILL	Approximate Groundwater Level on Day of Drilling
9									SM	Moist	53.1		2" PVC Slotted Screen
10									SM	Moist	79.3		
11									SM	Moist	261		Sand Pack
12									SM	Moist	113		
13	10-15'	NA	NA	NA	NA	NA	NA	0"	SM	Moist	82.4	Gray, TILL on tip Could not retrieve liner from sampling spoon.	
14									SM	Moist	61.8		
15									SM	Moist	61.9		Bottom of Well at ~15 feet



End of Boring at 15' BSG.
No Refusal Encountered.
Soil Sample collected from 0-3 and 8-15' BSG: MW-7(0-3), MW-7(8-15) for VPH.
Duplicate sample (DUP) collected from 8-15'.
SP = Poorly - Graded sands, Gravelly sands, Little or no fines
SM = Silty - Sands, Sand - Silt mixtures
VPH = Volitile Petrolium Hydrocarbons
PID = Photoionazation detector
PPM = Parts-Per-Million
NA = Not Applicable
NM = Not Measured
BSG = Below Surface Grade

Project Number:	02140-393		
Client:	Cumberland Farms, Inc. 100 Crossing Boulevard Framingham, Massachusetts	AECOM 2 Technology Park Drive Westford, Massachusetts (978) 589-3000	
Site Location:	CFI #2141 1289 Main Street Leominster, Massachusetts		

Boring Log

Use:	Soil Investigation	**MW-8**	
Boring Number:	1		
Sheet:	1 of 1	Well Depth:	12'
Equipment:	Geoprobe 6610DT	Screen Depth:	2-12'
Inside Diameter:	4.25	Screen length:	10'
Outside Diameter:		Water Depth:	~8'

Project Manager:	M. Newell	*Field Technician:*	J. Chambert	*Date Started:*	4/8/2010
Drilling Contractor:	TDS	*Driller:*	Matt	*Date Completed:*	4/8/2010

Depth	Sample Depth	Sample Number	Blow Counts (24") 0-6	6-12	12-18	18-24	Pen (in.)	Rec (in.)	Sorting	Moisture	PID (ppm)	Field Identification	Description	Fill Mat.	Tube	Fill Mat.	Depth
1												Asphalt	6 in-Road Box				1
												Air Vac to 6 feet below grade - cleared	Clean Native Fill				
2	0-3'		NA	NA	NA	NA	NA	NA	SP	Dry	1.8	Brown, medium SAND (Fill)	Bentonite Seal				2
3													2" PVC Riser				3
4	3-5'		NA	NA	NA	NA	NA	NA	SP	Dry	1.7	Same as above.					4
5																	5
6									SP	Dry	BDL						6
7									SP	Dry	BDL	Same as above.					7
8	5-10'		NA	NA	NA	NA	NA	24"	SP	Dry	BDL		Approximate Groundwater Level on Day of Drilling				8
9									SM	Moist	BDL	Grey, TILL.	2" PVC Slotted Screen				9
10									SM	Moist	2.5						10
11									SM	Moist	BDL		Sand Pack				11
12									SM	Moist	BDL		Bottom of Well at ~12 feet				12
13	10-15'	NA	NA	NA	NA	NA	NA	60"	SM	Moist	BDL	Same as above.					13
14									SM	Moist	BDL						14
15									SM	Moist	BDL		Bottom of Boring at ~15 feet				15

End of Boring at 15' BSG.
No Refusal Encountered.
No soil sample was collected at this location.
SP = Poorly - Graded sands, Gravelly sands, Little or no fines
SM = Silty - Sands, Sand - Silt mixtures
BDL = Below Detectable Limits
PID = Photoionazation detector
PPM = Parts-Per-Million
BSG = Below Surface Grade

Project Number:	02140-393		
Client:	Cumberland Farms, Inc. 100 Crossing Boulevard Framingham, Massachusetts	AECOM 2 Technology Park Drive Westford, Massachusetts (978) 589-3000	
Site Location:	CFI #2141 1289 Main Street Leominster, Massachusetts		

Boring Log

Use:	Soil Investigation	**MW-9**	
Boring Number:	1		
Sheet:	1 of 1		
Equipment:	Geoprobe 6610DT	Well Depth:	12'
Inside Diameter:	4.25	Screen Depth:	2-12'
Outside Diameter:		Screen length:	10'
		Water Depth:	~7'

Project Manager:	M. Newell	*Field Technician:*	J. Chambert
Drilling Contractor:	TDS	*Driller:*	Matt
Date Started:	4/8/2010		
Date Completed:	4/8/2010		

Depth	Sample Depth	Sample Number	Blow Counts (24") 0-6	6-12	12-18	18-24	Pen (in.)	Rec (in.)	Sorting	Moisture	PID (ppm)	Field Identification	Description	Fill Mat.	Tube	Fill Mat.	Depth
1												Asphalt	6 in-Road Box				1
												Air Vac to 6 feet below grade - cleared	Clean Native Fill				
													Bentonite Seal				
2	0-3'		NA	NA	NA	NA	NA	NA	SP	Dry	2.5	Brown, medium SAND (Fill)					2
3													2" PVC Riser				3
4	3-5'		NA	NA	NA	NA	NA	NA	SP	Dry	1.5	Same as above.					4
5																	5
6									SP	Dry	1.1	Same as above.					6
7									SP	Dry	BDL		Approximate Groundwater Level				7
													on Day of Drilling				
8	5-10'		NA	NA	NA	NA	NA	48"	SM	Moist	BDL	Grey, TILL.					8
9									SM	Moist	BDL		2" PVC Slotted Screen				9
10									SM	Moist	BDL						10
11									SM	Moist	BDL		Sand Pack				11
12									SM	Moist	BDL						12
													Bottom of Well at ~12 feet				
13	10-15'	NA	NA	NA	NA	NA	NA	60"	SM	Moist	BDL	Same as above.					13
14									SM	Moist	BDL						14
15									SM	Moist	BDL		Bottom of Boring at ~15 feet				15

End of Boring at 15' BSG.
No Refusal Encountered.
No soil sample was collected at this location.
SP = Poorly - Graded sands, Gravelly sands, Little or no fines
SM = Silty - Sands, Sand - Silt mixtures
PID = Photoionazation detector
PPM = Parts-Per-Million
BSG = Below Surface Grade
BDL = Below Detectable Limits

Project Number:	02140-393		
Client:	Cumberland Farms, Inc. 100 Crossing Boulevard Framingham, Massachusetts	AECOM 2 Technology Park Drive Westford, Massachusetts (978) 589-3000	
Site Location:	CFI #2141 1289 Main Street Leominster, Massachusetts		

Boring Log

Use:	Soil Investigation	**MW-10**	
Boring Number:	1		
Sheet:	1 of 1	Well Depth:	12'
Equipment:	Geoprobe 6610DT	Screen Depth:	2-12'
Inside Diameter:	4.25	Screen length:	10'
Outside Diameter:		Water Depth:	~6'

Project Manager:	M. Newell	*Field Technician:*	J. Chambert	*Date Started:*	4/8/2010
Drilling Contractor:	TDS	*Driller:*	Matt	*Date Completed:*	4/8/2010

Depth	Sample Depth	Sample Number	Blow Counts (24") 0-6	6-12	12-18	18-24	Pen (in.)	Rec (in.)	Sorting	Moisture	PID (ppm)	Field Identification	Description	Fill Mat. / Tube / Fill Mat. / Depth
1												Asphalt	6 in-Road Box	1
												Air Vac to 6 feet below grade - cleared	Clean Native Fill	
2	0-3'		NA	NA	NA	NA	NA	NA	SP	Dry	BDL	Brown, medium SAND (Fill)	Bentonite Seal	2
3														3
4	3-5'		NA	NA	NA	NA	NA	NA	SP	Dry	BDL	Same as above.	2" PVC Riser	4
5														5
6									SP	Dry	BDL		Approximate Groundwater Level	6
7									SP	Moist	BDL	Same as above.	on Day of Drilling	7
8	5-10'		NA	NA	NA	NA	NA	48"	SP	Moist	BDL			8
9									SM	Moist	BDL	Grey, TILL.	2" PVC Slotted Screen	9
10									SM	Moist	BDL			10
11									SM	Moist	BDL		Sand Pack	11
12									SM	Moist	BDL			12
13	10-15'	NA	NA	NA	NA	NA	NA	60"	SM	Moist	BDL	Same as above.	Bottom of Well at ~12 feet	13
14									SM	Moist	BDL			14
15									SM	Moist	BDL		Bottom of Boring at ~15 feet	15

End of Boring at 15' BSG.
No Refusal Encountered.
One soil sample was collected from 3 to 5 feet BGS. MW-10 (3-5) for VPH.
SP = Poorly - Graded sands, Gravelly sands, Little or no fines
SM = Silty - Sands, Sand - Silt mixtures
VPH = Volitile Petrolium Hydrocarbons
PID = Photoionazation detector
PPM = Parts-Per-Million
BSG = Below Surface Grade

Attachment D

Waste Manifest

STN 17110

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
MAC300000312	1	800-999-1038	STN17110

GENERATOR

5. Generator's Name and Mailing Address
Cumberland Farms
100 Crossing Boulevard
Framingham MA 01702
Generator's Phone: 800 225-9702

Generator's Site Address (if different than mailing address)
Cumberland Farms
1269 Main Street
Leominster MA 01453

6. Transporter 1 Company Name: CYN OIL CORPORATION — U.S. EPA ID Number: MAD082303777

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYN OIL CORPORATION
1771 WASHINGTON ST
STOUGHTON MA 02072
Facility's Phone: 781 341-5108
U.S. EPA ID Number: MAD082303777

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	[1]Non-RCRA, Non-DOT Regulated Material	XX1	DM	EST x55	G	
2	[2]Non-RCRA, Non-DOT Regulated Material	XX1	DM	EST x700	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
1. Non-hazardous purge water.
2. Non-hazardous soil.

GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national/governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27 (a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Kristina Mannix — Signature: Kristina Mannix — Month 5 Day 4 Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Sean McCafferty — Signature: McCafferty — Month 5 Day 4 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name — Signature — Month Day Year

Attachment E

Public Notification Letters

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to Release Tracking Number

2 | 17414

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 1289 Main Street (Route 13)

City/Town: Leominster Zip Code: 01453

B. This notice is being provided to the following party:

1. Name: Leominster Department of Public Works

2. Street Address: 109 Graham Street

City/Town: Leominster Zip Code: 01453

C. This notice is being given to inform its recipient (the party listed in Section B):

☑ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☑ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☑ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: North Street Right-Of-Way

City/Town: Leominster Zip Code: 01453

2. MCP phase of work during which the sampling will be/has been conducted:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☑ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☐ Phase V/Remedy Operation Status
☐ Post-Class C Operation, Maintenance and Monitoring
☐ Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☐ commerical ☐ industrial ☐ school/playground ☑ Other Right-Of-Way (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Soil samples collected during the installation of wells MW-7 and MW-10 and groundwater samples collected from wells MW-7 through MW-10, located in the right-of-way along North Street adjacent to 1289 Main Street

E. Contact information related to the party providing this notice:

Contact Name: Christopher Johnson

Street Address: 100 Crossing Boulevard

City/Town: Framingham Zip Code: 01702

Telephone: (508) 270-4495 Email: cjohnson@cumberlandgulf.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at http://www.mass.gov/dep/cleanup/oview.htm. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See http://mass.gov/dep/about/region/schedule.htm if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

AECOM
2 Technology Park Drive
Westford, MA 01886-3140

978.589.3000 tel
978.589.3100 fax

May 6, 2010

Leominster Department of Public Works
109 Graham Street
Leominster, Massachusetts 01453-4234

RE: Laboratory Analytical Results
Cumberland Farms, Inc. Facility # 2141/ V0984
1289 Main Street (Route 13)
Leominster, Massachusetts
Release Tracking Number 2-17414

AECOM File: 60136873

To Whom It May Concern,

This letter and attached standardized form are intended to satisfy the public involvement requirements outlined in the Massachusetts Contingency Plan (MCP) 310 CMR 40.1400. As you are aware, AECOM Environment (AECOM), is providing environmental consulting services to our client, Cumberland Farms, Inc. (CFI) at the above-referenced facility with respect to Release Tracking Number (RTN) 2-17414 assigned by the Massachusetts Department of Environmental Protection (DEP). AECOM, on behalf of CFI, installed four groundwater monitoring wells (MW-7, MW-8, MW-9, and MW-10) in the right-of-way along North Street. On April 8, 2010, during the installation of these monitoring wells soil samples were submitted for laboratory analysis from the borings associated with monitoring wells MW-7 and MW-10. In addition, AECOM collected groundwater samples from monitoring wells MW-7, MW-8, MW-9, and MW-10 on April 15, 2010 for laboratory analysis. Pursuant to the MCP 310 CMR 40.1403 (10) (b), please find the laboratory analytical report attached.

In addition, AECOM has included a soil table (Table 1) and a groundwater analytical table (Table 2) summarizing the soil and groundwater analytical results for the samples collected from the North Street right-of-way. In addition, copies of the laboratory analytical data are enclosed. Please refer to the attached figure for the location of the wells and other pertinent site features.

AECOM, on behalf of CFI, is continuing our environmental investigation by conducting quarterly groundwater sampling of the monitoring wells. The next sampling event is tentatively scheduled for July 2010.

In addition, pursuant to the MCP 310 CMR 40.1403(10) (b), this letter is intended to inform you that public involvement opportunities are available under the MCP 310 CMR 40.1403 (9) and 310 CMR 40.1404. If you have any questions, please contact Christopher Johnson of CFI at (508) 270-4495 or the undersigned at (978) 589-3000.

Sincerely yours,

Joanne Newell
Geologist

Mark Newell
Project Manager

J:\Northboro\PST\CFI 2140\Massachusetts 2140\Leominster-393 NEW\Corr\Public Notification Letters\2010\April 2010 - Soil Results and GW\April 2010.docx

TABLE 1

Soil Boring Results
Cumberland Farms, Inc. Facility # 852410
Leominster, Massachusetts
RTN 2-17414

6/12/2009-4/8/10

Sample ID Depth PID Collection date	MW-7 (0-3') MW-7 0-3' 9.6 ppm 4/8/2010	MW-7 (8-15') MW-7 8-15' 11.1 to 261 ppm 4/8/2010	DUP MW-7 8-15' 11.1 to 261 ppm 4/8/2010	MW-10 (3-5') MW-10 3-5' BDL 4/8/2010	S-1/GW-2	S-1/GW-3
VPH						
Aliphatics/Aromatics (mg/Kg)						
C5-C8 Aliphatics	<27.5	<27.5	<27.5	<18.9	**100**	**100**
C9-C12 Aliphatics	<27.5	<27.5	<27.5	<18.9	**1,000**	**1,000**
C9-C10 Aromatics	<27.5	<27.5	<27.5	<18.9	**100**	**100**
Targeted Analytes (mg/Kg)						
Benzene	<0.549	<0.549	<0.549	<0.379	**30**	**30**
Toluene	<0.549	1.05	4.81	<0.379	**500**	**500**
Ethylbenzene	<0.549	<0.549	2.85	<0.379	**500**	**500**
Xylenes (mixed isomers)	<1.098	2.376	5.15	<1.137	**300**	**500**
Methyl-tert-butyl ether	<0.0549	2.03	10.1	<0.0379	**100**	**100**
Naphthalene	<1.10	<1.10	1.31	<0.758	**40**	**500**

MCP Method 1 Standards = Standards promulgated in the February 14, 2008 revisions to the Massachusetts
PPM = Parts-per-million
BDL = Below instrument detection limits
Shaded value = Exceeds applicable standard
Contingency Plan (MCP), 310 CMR 40.0000.
VPH = Volatile petroleum hydrocarbons.
mg/Kg = milligrams per Kilogram (parts-per-million)

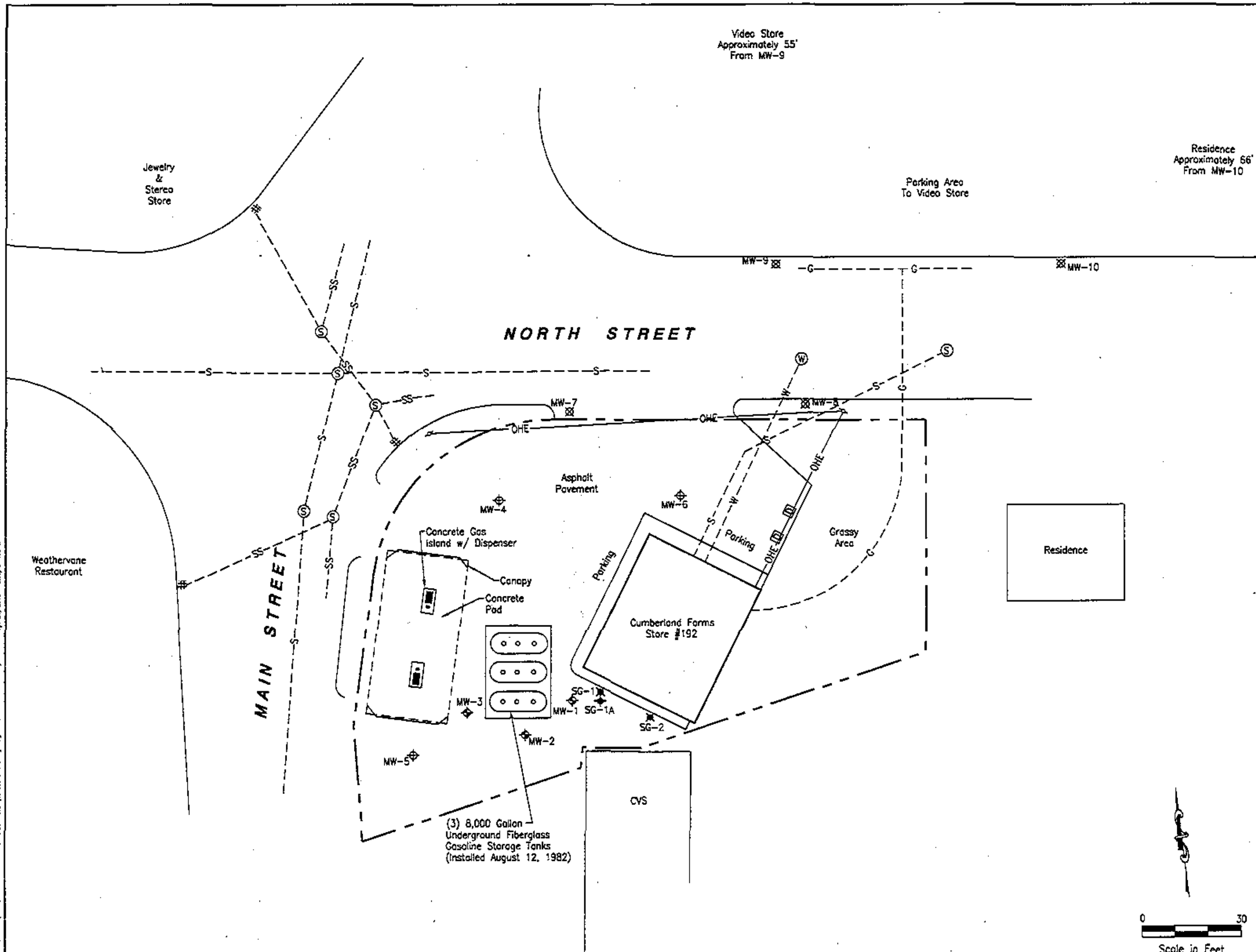
TABLE 2

Historical Groundwater Analytical
Cumberland Farms, Inc Facility #2141
Leominster CFI
RTN 2-17414

Historical Groundwater Sampling Results

Well/ Sampling Date	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
MW-7 (GW 3) 4/15/2010	<75	<100	4,230	1,830	11,100	2,970	11,700	17,700	982
MW-8 (GW 3) 4/15/2010	<75	<100	<75	<5	49.3	18.6	94.7	<5	<20
MW-9 (GW 3) 4/15/2010	<75	<100	<75	21.3	34.4	10.8	50.1	<5	<20
MW-10 (GW 3) 4/15/2010	<75	<100	<75	<5	<5	<5	<10	<5	<20
GW-1	300	700	200	5	1,000	700	10,000	70	140
GW-2	3,000	5,000	7,000	2,000	50,000	20,000	9,000	50,000	1,000
GW-3	50,000	50,000	50,000	10,000	40,000	5,000	5,000	50,000	20,000

NOTES:
µg/L - micrograms per liter
NA - Not Analyzed
NS - Not Sampled
MTBE - Methyl Tertiary-butyl Ether
Shading indicates concentration is present above applicable Standards
GW-1 = Massachusetts Category GW-1 Standards
GW-2 = Massachusetts Category GW-2 Standards
GW-3 = Massachusetts Category GW-3 Standards
MCP Groundwater Standards Changed 2/08
SPH = Separate Phase Hydrocarbons



LEGEND:
- Property Boundary
- OHE — Overhead Electric Line
- W — Underground Water Line
- G — Underground Gas Line
- S — Underground Sewer Line
- SS — Underground Storm Sewer Line
- Catch Basin
- Utility Pole
- D — Dumpster
- SG-1 — Temporary Soil Gas Point Installed Sept. 30, 2009 by AECOM
- SG-1A — Perminent Soil Gas Point Installed 4/2/10 by AECOM
- MW-1 — Monitoring Well Installed June 12, 2009 by AECOM
- MW-4 — Monitoring Well Installed Sept. 23, 2009 by AECOM
- MW-7 — Monitoring Well Installed 4/8/10 by AECOM

CLIENT

Cumberland Farms
Business Support Campus
100 Crossing Boulevard
Framingham, Massachusetts 01702

PROJECT TITLE

Phase II Assessment
Cumberland Farms Facility #2141
1289 Main Street
Leominster, Massachusetts

FIGURE TITLE

Site Plan

APPROVED BY	REVIEWED BY
D. Espy	M. Newell
DRAWN BY	SCALE
K.Barry	1" = 30'
JOB NUMBER	DATE
60136873	April 2010

AECOM Environment
2 Technology Park Drive
Westford, MA 01886
(978) 589-3000

Figure 2

SHEET

AECOM

ANALYTICAL REPORT

Thursday, April 22, 2010

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Mark Newell
AECOM
2 Technology Park Dr
Westford, MA

TEL: (978) 589-3000
FAX:

Project: CFI 2063
Location: 1289 Main St Leominster, MA

Order No.: 1004299

Dear Mark Newell:

GeoLabs, Inc. received 6 sample(s) on 4/16/2010 for the analyses presented in the following report.

All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - NY (11796) - PA (68-03417) - RI (LA000252)

Accredited in Accordance with NELAC

Work Order Sample Summary

CLIENT:	AECOM	Project:	CFI 2063
Lab Order:	1004299	Location:	1289 Main St Leominster, MA

Lab Sample ID	Client Sample ID	Matrix	Tests Requested	Collection Date	Date Received
1004299-001A	MW-7	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-002A	MW-8	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-003A	MW-9	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-004A	MW-10	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-005A	DUP	Groundwater	VPH - MADEP VPH	4/15/2010	4/16/2010
1004299-006A	Trip Blank	Other	VPH - MADEP VPH	4/15/2010	4/16/2010

Date: *22-Apr-10*

CLIENT: AECOM
Project: CFI 2063
Lab Order: 1004299

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project # CFI# 2063
Project Location: 1289 Main Street MADEP RTN #:
Leominster, MA
This form provides certification for the following data set: 1004299 (001-006)

Sample Matrix: Groundwater

MCP Methods Used: VPH

An affirmative answer to questions A, B, C and D are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

D. VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) YES

A response to questions E and F are required for "Presumptive Certainty" status

E. Were all QC performance standards and recommendations for the specified methods achieved? NO
F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CLIENT:	AECOM
Project:	CFI 2063
Lab Order:	1004299

CASE NARRATIVE

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

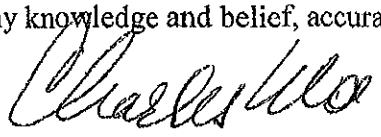
The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

VPH Run 35925 RPD for 2-Methylpentane is outside the limit, however the percent recoveries for all compounds are within the recovery limits.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Charles Morrow Date: April 22, 2010

CLIENT:	AECOM
Project:	CFI 2063
Lab Order:	1004299

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1

Carbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range. (MTBE, Benzene, Toluene)

C9-C12 Aliphatic Hydrocarbons exclude concentration of Target Analytes eluting in that range (Ethylbenzene, m&p-Xylenes, o-Xylene) AND concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES
Were all QA/QC performance/acceptance standards achieved? NO (See Case Narrative for details)
Were any significant modifications made to the VPH method, as specified in Sec. 11.3? NO

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: Charles Morrow POSITION: LAB DIRECTOR

PRINTED NAME: Charles Morrow

DATE: April 22, 2010

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-7
Lab Order:	1004299	**Collection Date:**	4/15/2010 3:30:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-001	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	*4230*	3750		µg/L	50	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*26600*	3750		µg/L	50	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*9990*	5000		µg/L	50	4/20/2010
Methyl Tert-Butyl Ether	*17700*	250		µg/L	50	4/20/2010
Benzene	*1830*	250		µg/L	50	4/20/2010
Toluene	*11100*	250		µg/L	50	4/20/2010
Ethylbenzene	*2970*	250		µg/L	50	4/20/2010
m,p-Xylene	*8350*	250		µg/L	50	4/20/2010
o-Xylene	*3430*	250		µg/L	50	4/20/2010
Naphthalene	*982*	750		µg/L	50	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	96.9	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene FID	124	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	88.9	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene PID	125	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-8
Lab Order:	1004299	**Collection Date:**	4/15/2010 3:00:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-002	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*104*	100		µg/L	1	4/20/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/20/2010
Benzene	ND	5.00		µg/L	1	4/20/2010
Toluene	*49.3*	5.00		µg/L	1	4/20/2010
Ethylbenzene	*18.6*	5.00		µg/L	1	4/20/2010
m,p-Xylene	*69.4*	5.00		µg/L	1	4/20/2010
o-Xylene	*25.3*	5.00		µg/L	1	4/20/2010
Naphthalene	ND	20.0		µg/L	1	4/20/2010
Adjusted C5-C8 Allphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/20/2010
Surr: 2,5-Dibromotoluene FID	99.1	70-130		%REC	1	4/20/2010
Surr: 2,5-Dibromotoluene PID	97.6	70-130		%REC	1	4/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-9
Lab Order:	1004299	**Collection Date:**	4/15/2010 2:30:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-003	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/20/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/20/2010
Benzene	*21.3*	5.00		µg/L	1	4/20/2010
Toluene	*34.4*	5.00		µg/L	1	4/20/2010
Ethylbenzene	*10.6*	5.00		µg/L	1	4/20/2010
m,p-Xylene	*35.7*	5.00		µg/L	1	4/20/2010
o-Xylene	*14.4*	5.00		µg/L	1	4/20/2010
Naphthalene	ND	20.0		µg/L	1	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/20/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/20/2010
Surr: 2,5-Dibromotoluene FID	91.0	70-130		%REC	1	4/20/2010
Surr: 2,5-Dibromotoluene PID	88.0	70-130		%REC	1	4/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-10
Lab Order:	1004299	**Collection Date:**	4/15/2010 2:00:00 PM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-004	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: **ZYZ**
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/17/2010
Benzene	ND	5.00		µg/L	1	4/17/2010
Toluene	ND	5.00		µg/L	1	4/17/2010
Ethylbenzene	ND	5.00		µg/L	1	4/17/2010
m,p-Xylene	ND	5.00		µg/L	1	4/17/2010
o-Xylene	ND	5.00		µg/L	1	4/17/2010
Naphthalene	ND	20.0		µg/L	1	4/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	85.3	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	74.5	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DUP
Lab Order:	1004299	**Collection Date:**	4/15/2010
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-005	**Matrix:**	GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	*4090*	3750		µg/L	50	4/20/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	*26300*	3750		µg/L	50	4/20/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	*9560*	5000		µg/L	50	4/20/2010
Methyl Tert-Butyl Ether	*18700*	250		µg/L	50	4/20/2010
Benzene	*1900*	250		µg/L	50	4/20/2010
Toluene	*10900*	250		µg/L	50	4/20/2010
Ethylbenzene	*2730*	250		µg/L	50	4/20/2010
m,p-Xylene	*8230*	250		µg/L	50	4/20/2010
o-Xylene	*3430*	250		µg/L	50	4/20/2010
Naphthalene	*788*	750		µg/L	50	4/20/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	88.3	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene FID	127	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	84.3	70-130		%REC	50	4/20/2010
Surr: 2,5-Dibromotoluene PID	116	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 22-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	Trip Blank
Lab Order:	1004299	**Collection Date:**	4/15/2010 11:00:00 AM
Project:	CFI 2063	**Date Received:**	4/16/2010
Lab ID:	1004299-006	**Matrix:**	OTHER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
C9-C10 Aromatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Methyl Tert-Butyl Ether	ND	5.00		µg/L	1	4/17/2010
Benzene	ND	5.00		µg/L	1	4/17/2010
Toluene	ND	5.00		µg/L	1	4/17/2010
Ethylbenzene	ND	5.00		µg/L	1	4/17/2010
m,p-Xylene	ND	5.00		µg/L	1	4/17/2010
o-Xylene	ND	5.00		µg/L	1	4/17/2010
Naphthalene	ND	20.0		µg/L	1	4/17/2010
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0		µg/L	1	4/17/2010
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	4/17/2010
Surr: 2,5-Dibromotoluene FID	121	70-130		%REC	1	4/17/2010
Surr: 2,5-Dibromotoluene PID	113	70-130		%REC	1	4/17/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL QC SUMMARY REPORT

Date: *22-Apr-10*

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: MBLK	SampType: MBLK	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35922
Client ID: ZZZZZ	Batch ID: R35922	TestNo: VPH		Analysis Date: 4/17/2010	SeqNo: 403894

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	83.50	0	100	0	83.5	70	130				
Surr: 2,5-Dibromotoluene PID	72.38	0	100	0	72.4	70	130				

Sample ID: MBLK	SampType: MBLK	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403938

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: MBLK	SampType: MBLK	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403938

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.00									
2,2,4-Trimethylpentane	ND	5.00									
2-Methylpentane	ND	5.00									
n-Butylcyclohexane	ND	5.00									
n-Decane	ND	5.00									
n-Nonane	ND	5.00									
n-Pentane	ND	5.00									
C9-C10 Aromatic Hydrocarbons	ND	75.0									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	75.0									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	5.00									
Benzene	ND	5.00									
Toluene	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
o-Xylene	ND	5.00									
Naphthalene	ND	20.0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	75.0									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	120.8	0	100	0	121	70	130				
Surr: 2,5-Dibromotoluene PID	120.4	0	100	0	120	70	130				

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35922
Client ID: ZZZZZ	Batch ID: R35922	TestNo: VPH		Analysis Date: 4/17/2010	SeqNo: 403892

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	98.43	5.00	100	0	98.4	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35922
Client ID: ZZZZZ	Batch ID: R35922	TestNo: VPH		Analysis Date: 4/17/2010	SeqNo: 403892

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2,4-Trimethylpentane	108.3	5.00	100	0	108	70	130				
2-Methylpentane	88.50	5.00	100	0	88.5	70	130				
n-Butylcyclohexane	77.11	5.00	100	0	77.1	70	130				
n-Decane	83.26	5.00	100	0	83.3	70	130				
n-Nonane	60.28	5.00	100	0	60.3	30	130				
n-Pentane	97.89	5.00	100	0	97.9	70	130				
C9-C10 Aromatic Hydrocarbons	79.32	75.0	100	0	79.3	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	314.9	75.0	300	0	105	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	266.7	100	300	0	88.9	70	130				
Methyl Tert-Butyl Ether	102.4	5.00	100	0	102	70	130				
Benzene	123.1	5.00	100	0	123	70	130				
Toluene	117.0	5.00	100	0	117	70	130				
Ethylbenzene	104.7	5.00	100	0	105	70	130				
m,p-Xylene	212.2	5.00	200	0	106	70	130				
o-Xylene	104.9	5.00	100	0	105	70	130				
Naphthalene	80.11	20.0	100	0	80.1	70	130				
Surr: 2,5-Dibromotoluene FID	125.8	0	100	0	126	70	130				
Surr: 2,5-Dibromotoluene PID	116.3	0	100	0	116	70	130				

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	117.2	5.00	100	0	117	70	130				
2,2,4-Trimethylpentane	110.5	5.00	100	0	110	70	130				
2-Methylpentane	76.20	5.00	100	0	76.2	70	130				
n-Butylcyclohexane	90.92	5.00	100	0	90.9	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: LCS	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	102.8	5.00	100	0	103	70	130				
n-Nonane	102.7	5.00	100	0	103	30	130				
n-Pentane	109.0	5.00	100	0	109	70	130				
C9-C10 Aromatic Hydrocarbons	118.7	75.0	100	0	119	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	293.7	75.0	300	0	97.9	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	349.4	100	300	0	116	70	130				
Methyl Tert-Butyl Ether	123.8	5.00	100	0	124	70	130				
Benzene	116.7	5.00	100	0	117	70	130				
Toluene	121.2	5.00	100	0	121	70	130				
Ethylbenzene	124.4	5.00	100	0	124	70	130				
m,p-Xylene	227.1	5.00	200	0	114	70	130				
o-Xylene	113.5	5.00	100	0	114	70	130				
Naphthalene	112.2	20.0	100	0	112	70	130				
Surr: 2,5-Dibromotoluene FID	125.1	0	100	0	125	70	130				
Surr: 2,5-Dibromotoluene PID	124.7	0	100	0	125	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35922
Client ID: ZZZZZ	Batch ID: R35922	TestNo: VPH		Analysis Date: 4/17/2010	SeqNo: 403893

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	99.34	5.00	100	0	99.3	70	130	98.43	0.923	25	
2,2,4-Trimethylpentane	95.72	5.00	100	0	95.7	70	130	108.3	12.3	25	
2-Methylpentane	90.29	5.00	100	0	90.3	70	130	88.5	1.99	25	
n-Butylcyclohexane	74.41	5.00	100	0	74.4	70	130	77.11	3.56	25	
n-Decane	79.60	5.00	100	0	79.6	70	130	83.26	4.49	25	
n-Nonane	61.07	5.00	100	0	61.1	30	130	60.28	1.31	25	
n-Pentane	90.29	5.00	100	0	90.3	70	130	97.89	8.08	25	

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35922
Client ID: ZZZZZ	Batch ID: R35922	TestNo: VPH		Analysis Date: 4/17/2010	SeqNo: 403893

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C9-C10 Aromatic Hydrocarbons	83.31	75.0	100	0	83.3	70	130	79.32	4.91	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	301.7	75.0	300	0	101	70	130	314.9	4.27	25	
Unadjusted C9-C12 Aliphatic Hydrocar	269.8	100	300	0	89.9	70	130	266.7	1.16	25	
Methyl Tert-Butyl Ether	108.4	5.00	100	0	108	70	130	102.4	5.72	25	
Benzene	119.4	5.00	100	0	119	70	130	123.1	3.11	25	
Toluene	117.0	5.00	100	0	117	70	130	117	0.0154	25	
Ethylbenzene	105.3	5.00	100	0	105	70	130	104.7	0.567	25	
m,p-Xylene	214.5	5.00	200	0	107	70	130	212.2	1.06	25	
o-Xylene	105.7	5.00	100	0	106	70	130	104.9	0.821	25	
Naphthalene	94.86	20.0	100	0	94.9	70	130	80.11	16.9	25	
Surr: 2,5-Dibromotoluene FID	105.4	0	100	0	105	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	102.9	0	100	0	103	70	130	0	0	25	

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403937

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	108.0	5.00	100	0	108	70	130	117.2	8.12	25	
2,2,4-Trimethylpentane	104.2	5.00	100	0	104	70	130	110.5	5.87	25	
2-Methylpentane	99.01	5.00	100	0	99.0	70	130	76.2	26.0	25	R
n-Butylcyclohexane	85.19	5.00	100	0	85.2	70	130	90.92	6.50	25	
n-Decane	100.2	5.00	100	0	100	70	130	102.8	2.56	25	
n-Nonane	95.27	5.00	100	0	95.3	30	130	102.7	7.51	25	
n-Pentane	109.7	5.00	100	0	110	70	130	109	0.640	25	
C9-C10 Aromatic Hydrocarbons	116.4	75.0	100	0	116	70	130	118.7	2.00	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	345.5	75.0	300	0	115	70	130	293.7	16.2	25	
Unadjusted C9-C12 Aliphatic Hydrocar	332.8	100	300	0	111	70	130	349.4	4.86	25	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004299
Project: CFI 2063

TestCode: VPH_W2

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 35925
Client ID: ZZZZZ	Batch ID: R35925	TestNo: VPH		Analysis Date: 4/20/2010	SeqNo: 403937

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Tert-Butyl Ether	114.7	5.00	100	0	115	70	130	123.8	7.56	25	
Benzene	111.1	5.00	100	0	111	70	130	116.7	4.92	25	
Toluene	113.7	5.00	100	0	114	70	130	121.2	6.38	25	
Ethylbenzene	121.0	5.00	100	0	121	70	130	124.4	2.77	25	
m,p-Xylene	214.2	5.00	200	0	107	70	130	227.1	5.85	25	
o-Xylene	107.9	5.00	100	0	108	70	130	113.5	5.05	25	
Naphthalene	105.0	20.0	100	0	105	70	130	112.2	6.72	25	
Surr: 2,5-Dibromotoluene FID	118.1	0	100	0	118	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	106.7	0	100	0	107	70	130	0	0	25	

Qualifiers:

- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / (Not Needed) / Lab to do
Preservation: Lab to do Y / (N)

Special Instructions
1289 MAIN STREET
LEOMINSTER, MA

Turnaround: circle one
1-day 3-day
2-day (5 / 7-days)

Data Delivery: circle choice (s)
Fax (email)
Format:
Excel (PDF)

(GW-1) S-1 QC
(MCP Methods) DEP Other _____

Requirements: circle choice (s) 1004299
CT RCP (Reasonable Confidence Protocols)
State / Fed Program - Criteria MA

Client: AECOM
Address: 2 Technology Park Drive Westford MA
Contact: MARK NEWELL

Phone: 978-589-3000
Fax:
email: mark.newell@aecom.com

Project: CFI # 2063
Project PO: 27243
Invoice to *:

Preservative: 1

COLLECTION DATE	COLLECTION TIME	SAMPLED BY	SAMPLE LOCATION / ID	CONTAINER TYPE	CONTAINER QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	Analysis Requested: VPH								TEMPERATURE	LAB pH
4/15/10	1530	FB	MW-7	V	3	GW		X	4299-001	X								6/4°	
	1500		MW-8	V	3	GW		X	002	X									
	1430		MW-9	V	3	GW		X	003	X									
	1400		MW-10	V	3	GW		X	004	X									
			DUP	V	3	GW		X	005	X									
4/15/10	1100	FB	Trip Blank	V	2	GW		X	006	X									

Matrix Codes:
GW = Ground Water DW = Drinking Water S = Soil A = Air
WW = Waste Water SL = Sludge O = Oil OT = Other

Received on Ice ✓

Preservatives
1 = Hcl 3 = H2SO4 5 = NaOH 7 = Other
2 = HNO3 4 = Na2S2O3 6 = MEOH

Containers:
A = Amber B = Bag O = Other
G = Glass P = Plastic
S = Summa V = Voa

Relinquished by:	Date / Time	Received by:	Date / Time
[illegible]	4/15/10 1830	[signature]	4.16.10 10:58
		KC	4/16/10 16:35

* Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost.
Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash, check and credit cards.

CT (PH-0148) NY(11796) MA (MA - 015) PA (68-03417) NH (2508) RI (LA000252) NJ (MA-009)

ANALYTICAL REPORT

Wednesday, April 21, 2010

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Mark Newell
AECOM
2 Technology Park Dr
Westford, MA

TEL: (978) 589-3000
FAX:

Project: CFI 2141, 60136873
Location: 1289 Main St Leominster, MA

Order No.: 1004182

Dear Mark Newell:

GeoLabs, Inc. received 6 sample(s) on 4/9/2010 for the analyses presented in the following report.

All data for associated QC met method or laboratory specifications, except where noted in the Case Narrative.

Analytical methods and results meet requirements of 310CMR 40.1056(J) as per MADEP Compendium of Analytical Methods (CAM).

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - ME (MA0015) - NH (2508) - NJ (MA009) - NY (11796) - PA (68-03417) - RI (LA000252)

Accredited in Accordance with NELAC

Work Order Sample Summary

CLIENT:	AECOM	Project:	CFI 2141, 60136873
Lab Order:	1004182	Location:	1289 Main St Leominster, MA

Lab Sample ID	Client Sample ID	Matrix	Tests Requested	Collection Date	Date Received
1004182-001A	MW-7 (0-3)	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-001B	MW-7 (0-3)	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-002A	MW-7 (8-15)	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-002B	MW-7 (8-15)	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-003A	MW-10 (3-5)	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-003B	MW-10 (3-5)	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-004A	DUP	Soil	VPH - MADEP VPH	4/8/2010	4/9/2010
1004182-004B	DUP	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-005A	DRUM	Soil	Volatile Organic Compounds - 8260B	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Ph - SW9045C	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Total Metals by ICP - SW6010B	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Polychlorinated Biphenyls - SW8082	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Total Silver - SW6010B	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Mercury - SW7471A	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	PERCENT MOISTURE - 209A	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Cyanide, Reactive - SW7.3.3.2	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Sulfide, Reactive - SW7.3.4.2	4/8/2010	4/9/2010
1004182-005B	DRUM	Soil	Ignitability - SW1010	4/8/2010	4/9/2010
1004182-006A	Trip Blank	Other	VPH - MADEP VPH		4/9/2010

Date: *21-Apr-10*

CLIENT: AECOM
Project: CFI 2141, 60136873
Lab Order: 1004182

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project # 60136873, CFI# 2141
Project Location: 1289 Main St MADEP RTN #:
Leominster, MA
This form provides certification for the following data set: 1004182 (001-006)

Sample Matrix: Soil

MCP Methods Used: VPH, 8260B, 8082, 6010B, 7471A

An affirmative answer to questions A, B, C and D are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

D. VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods) YES

A response to questions E and F are required for "Presumptive Certainty" status

E. Were all QC performance standards and recommendations for the specified methods achieved? YES
F. Were results for all analyte-list compounds/elements for the specified method(s) reported? NO

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CLIENT:	AECOM
Project:	CFI 2141, 60136873
Lab Order:	1004182

CASE NARRATIVE

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

13 Priority Pollutant Metals only analyzed by 6010B per client request.

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

8260 LCS percent recovery for Carbon Disulfide is outside the recovery limits.
8260 RPD for n-Propylbenzene is outside the limit.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Lab Director

Printed Name: Charles Morrow Date: April 21, 2010

CLIENT:	AECOM
Project:	CFI 2141, 60136873
Lab Order:	1004182

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1

Carbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range. (MTBE, Benzene, Toluene)

C9-C12 Aliphatic Hydrocarbons exclude concentration of Target Analytes eluting in that range (Ethylbenzene, m&p-Xylenes, o-Xylene) AND concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES
Were all QA/QC performance/acceptance standards achieved? YES
Were any significant modifications made to the VPH method, as specified in Sec. 11.3? NO

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: POSITION: LAB DIRECTOR

PRINTED NAME: Charles Morrow

DATE: April 21, 2010

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-7 (0-3)
Lab Order:	1004182	**Collection Date:**	4/8/2010 9:30:00 AM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-001	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
Unadjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0549		mg/Kg-dry	1	4/15/2010
Benzene	ND	0.549		mg/Kg-dry	1	4/15/2010
Toluene	ND	0.549		mg/Kg-dry	1	4/15/2010
Ethylbenzene	ND	0.549		mg/Kg-dry	1	4/15/2010
m,p-Xylene	ND	0.549		mg/Kg-dry	1	4/15/2010
o-Xylene	ND	0.549		mg/Kg-dry	1	4/15/2010
Naphthalene	ND	1.10		mg/Kg-dry	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	88.9	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	89.5	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-7 (8-15)
Lab Order:	1004182	**Collection Date:**	4/8/2010 9:45:00 AM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-002	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
Unadjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Methyl Tert-Butyl Ether	*2.03*	0.0549		mg/Kg-dry	1	4/15/2010
Benzene	ND	0.549		mg/Kg-dry	1	4/15/2010
Toluene	*1.05*	0.549		mg/Kg-dry	1	4/15/2010
Ethylbenzene	ND	0.549		mg/Kg-dry	1	4/15/2010
m,p-Xylene	*1.75*	0.549		mg/Kg-dry	1	4/15/2010
o-Xylene	*0.626*	0.549		mg/Kg-dry	1	4/15/2010
Naphthalene	ND	1.10		mg/Kg-dry	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	90.1	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	91.8	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	MW-10 (3-5)
Lab Order:	1004182	**Collection Date:**	4/8/2010 11:15:00 AM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-003	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
Unadjusted C5-C8 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0379		mg/Kg-dry	0.72	4/15/2010
Benzene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
Toluene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
Ethylbenzene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
m,p-Xylene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
o-Xylene	ND	0.379		mg/Kg-dry	0.72	4/15/2010
Naphthalene	ND	0.758		mg/Kg-dry	0.72	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	18.9		mg/Kg-dry	0.72	4/15/2010
Surr: 2,5-Dibromotoluene FID	89.1	70-130		%REC	0.72	4/15/2010
Surr: 2,5-Dibromotoluene PID	89.0	70-130		%REC	0.72	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DUP
Lab Order:	1004182	**Collection Date:**	4/8/2010
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-004	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
Unadjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0549		mg/Kg-dry	1	4/15/2010
Benzene	ND	0.549		mg/Kg-dry	1	4/15/2010
Toluene	*4.81*	0.549		mg/Kg-dry	1	4/15/2010
Ethylbenzene	*2.85*	0.549		mg/Kg-dry	1	4/15/2010
m,p-Xylene	*10.1*	0.549		mg/Kg-dry	1	4/15/2010
o-Xylene	*3.84*	0.549		mg/Kg-dry	1	4/15/2010
Naphthalene	*1.31*	1.10		mg/Kg-dry	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	27.5		mg/Kg-dry	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	98.6	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	96.6	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY - SW1010						Analyst: FC
Flash Point	>93	20		°C	1	4/13/2009
POLYCHLORINATED BIPHENYLS - SW8082						Analyst: Jsi
Aroclor 1016	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1221	ND	110		µg/Kg-dry	1	4/15/2010
Aroclor 1232	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1242	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1248	ND	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1254	*143*	54.9		µg/Kg-dry	1	4/15/2010
Aroclor 1260	ND	54.9		µg/Kg-dry	1	4/15/2010
Surr: Decachlorobiphenyl Sig 1	106	30-150		%REC	1	4/15/2010
Surr: Decachlorobiphenyl Sig 2	91.1	30-150		%REC	1	4/15/2010
Surr: Tetrachloro-m-Xylene Sig 1	105	30-150		%REC	1	4/15/2010
Surr: Tetrachloro-m-Xylene Sig 2	87.2	30-150		%REC	1	4/15/2010
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Antimony	ND	5.28		mg/Kg-dry	1	4/13/2010
Arsenic	*7.54*	5.28		mg/Kg-dry	1	4/13/2010
Beryllium	ND	1.58		mg/Kg-dry	1	4/13/2010
Cadmium	ND	1.06		mg/Kg-dry	1	4/13/2010
Chromium	*22.3*	5.28		mg/Kg-dry	1	4/13/2010
Copper	*14.9*	5.28		mg/Kg-dry	1	4/13/2010
Lead	*20.6*	5.28		mg/Kg-dry	1	4/13/2010
Nickel	*14.9*	5.28		mg/Kg-dry	1	4/13/2010
Selenium	ND	5.28		mg/Kg-dry	1	4/13/2010
Thallium	ND	1.58		mg/Kg-dry	1	4/13/2010
Zinc	*35.6*	5.28		mg/Kg-dry	1	4/13/2010
TOTAL SILVER - SW6010B						Analyst: QS
Silver	ND	0.528		mg/Kg-dry	1	4/13/2010
MERCURY - SW7471A						Analyst: EC
Mercury	*1.19*	0.262		mg/Kg-dry	1	4/13/2010
VOLATILE ORGANIC COMPOUNDS - 8260B						Analyst: ZYZ
1,1,1,2-Tetrachloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS - 8260B						Analyst: ZYZ
1,1,1-Trichloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1,2,2-Tetrachloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1,2-Trichloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1-Dichloroethane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1-Dichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,1-Dichloropropene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2,3-Trichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2,4-Trichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2,4-Trimethylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dibromo-3-Chloropropane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dibromoethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dichloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,2-Dichloropropane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,3,5-Trimethylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,3-Dichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,3-Dichloropropane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
1,4-Dichlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2,2-Dichloropropane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Butanone	ND	241		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Chloroethyl Vinyl Ether	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Chlorotoluene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
2-Hexanone	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
4-Chlorotoluene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
4-Isopropyltoluene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
4-Methyl-2-Pentanone	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Acetone	ND	401		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Acrylonitrile	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Benzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromochloromethane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromodichloromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromoform	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Bromomethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Carbon Disulfide	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Carbon Tetrachloride	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Chlorobenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Chloroethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS - 8260B						Analyst: ZYZ
Chloroform	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Chloromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
cis-1,2-Dichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
cis-1,3-Dichloropropene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Dibromochloromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Dibromomethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Dichlorodifluoromethane	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Ethylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Hexachlorobutadiene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Isopropylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Methyl Tert-Butyl Ether	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Methylene Chloride	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Naphthalene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
n-Butylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
n-Propylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
sec-Butylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Styrene	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
tert-Butylbenzene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Tetrachloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Toluene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
trans-1,2-Dichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
trans-1,3-Dichloropropene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Trichloroethene	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Trichlorofluoromethane	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Vinyl Chloride	ND	40.1		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Xylenes, Total	ND	100		µg/Kg-dry	0.73	4/13/2010 7:54:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	0.73	4/13/2010 7:54:00 PM
Surr: 4-Bromofluorobenzene	91.3	70-130		%REC	0.73	4/13/2010 7:54:00 PM
Surr: Dibromofluoromethane	92.6	70-130		%REC	0.73	4/13/2010 7:54:00 PM
Surr: Toluene-d8	91.2	70-130		%REC	0.73	4/13/2010 7:54:00 PM
PH - SW9045C						Analyst: JC
pH	*5.85*	0		pH Units	1	4/13/2010
NOTES: taken at 22.5 deg.C						
CYANIDE, REACTIVE - SW7.3.3.2						Analyst: JC
Reactive Cyanide	ND	5.49		mg/Kg-dry	1	4/13/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL REPORT **Reported Date:** 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	DRUM
Lab Order:	1004182	**Collection Date:**	4/8/2010 2:15:00 PM
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-005	**Matrix:**	SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
CYANIDE, REACTIVE - SW7.3.3.2						Analyst: JC
SULFIDE, REACTIVE - SW7.3.4.2						Analyst: JC
Reactive Sulfide	ND	1.35		mg/Kg-dry	1	4/13/2010

Qualifiers:				
	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 21-Apr-10

CLIENT:	AECOM	**Client Sample ID:**	Trip Blank
Lab Order:	1004182	**Collection Date:**	
Project:	CFI 2141, 60136873	**Date Received:**	4/9/2010
Lab ID:	1004182-006	**Matrix:**	OTHER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZYZ
Unadjusted C5-C8 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Unadjusted C9-C12 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Methyl Tert-Butyl Ether	ND	0.0500		mg/Kg	1	4/15/2010
Benzene	ND	0.500		mg/Kg	1	4/15/2010
Toluene	ND	0.500		mg/Kg	1	4/15/2010
Ethylbenzene	ND	0.500		mg/Kg	1	4/15/2010
m,p-Xylene	ND	0.500		mg/Kg	1	4/15/2010
o-Xylene	ND	0.500		mg/Kg	1	4/15/2010
Naphthalene	ND	1.00		mg/Kg	1	4/15/2010
C9-C10 Aromatic Hydrocarbons	ND	25.0		mg/Kg	1	4/15/2010
Adjusted C5-C8 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Adjusted C9-C12 Aliphatic HC	ND	25.0		mg/Kg	1	4/15/2010
Surr: 2,5-Dibromotoluene FID	79.5	70-130		%REC	1	4/15/2010
Surr: 2,5-Dibromotoluene PID	82.4	70-130		%REC	1	4/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside recovery limits		

ANALYTICAL QC SUMMARY REPORT

Date: *21-Apr-10*

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 6010b_S

Sample ID: MBLK-15702	SampType: MBLK	TestCode: 6010b_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35799
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402153

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	5.00									
Arsenic	ND	5.00									
Beryllium	ND	1.50									
Cadmium	ND	1.00									
Chromium	ND	5.00									
Copper	ND	5.00									
Lead	ND	5.00									
Nickel	ND	5.00									
Selenium	ND	5.00									
Thallium	ND	1.50									
Zinc	ND	5.00									

Sample ID: LCS-15702	SampType: LCS	TestCode: 6010b_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35799
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402151

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	122.0	5.00	133.3	1.267	90.6	80	120				
Arsenic	122.0	5.00	133.3	0	91.5	80	120				
Beryllium	129.3	1.50	133.3	0	97.0	80	120				
Cadmium	119.3	1.00	133.3	0	89.5	80	120				
Chromium	124.7	5.00	133.3	0.2	93.4	80	120				
Copper	127.3	5.00	133.3	2	94.0	80	120				
Lead	118.7	5.00	133.3	0	89.0	80	120				
Nickel	122.7	5.00	133.3	0.1333	91.9	80	120				
Selenium	118.7	5.00	133.3	0	89.0	80	120				
Thallium	122.0	1.50	133.3	0	91.5	80	120				

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 6010b_S

Sample ID: LCS-15702	SampType: LCS	TestCode: 6010b_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35799
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402151

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	123.3	5.00	133.3	1.933	91.1	80	120				

Sample ID: LCSD-15702	SampType: LCSD	TestCode: 6010b_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35799
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402152

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	124.0	5.00	133.3	1.267	92.1	80	120	122	1.63	30	
Arsenic	124.0	5.00	133.3	0	93.0	80	120	122	1.63	30	
Beryllium	132.7	1.50	133.3	0	99.5	80	120	129.3	2.54	30	
Cadmium	122.7	1.00	133.3	0	92.0	80	120	119.3	2.75	30	
Chromium	127.3	5.00	133.3	0.2	95.4	80	120	124.7	2.12	30	
Copper	130.7	5.00	133.3	2	96.5	80	120	127.3	2.58	30	
Lead	120.7	5.00	133.3	0	90.5	80	120	118.7	1.67	30	
Nickel	125.3	5.00	133.3	0.1333	93.9	80	120	122.7	2.15	30	
Selenium	121.3	5.00	133.3	0	91.0	80	120	118.7	2.22	30	
Thallium	124.7	1.50	133.3	0	93.5	80	120	122	2.16	30	
Zinc	126.0	5.00	133.3	1.933	93.1	80	120	123.3	2.14	30	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8082_S_ase

Sample ID: MB-15714	SampType: mblk	TestCode: 8082_S_ase	Units: µg/Kg	Prep Date: 4/14/2010	RunNo: 35821
Client ID: ZZZZZ	Batch ID: 15714	TestNo: SW8082	(SW3545A)	Analysis Date: 4/15/2010	SeqNo: 402257

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	50.0									
Aroclor 1221	ND	100									
Aroclor 1232	ND	50.0									
Aroclor 1242	ND	50.0									
Aroclor 1248	ND	50.0									
Aroclor 1254	ND	50.0									
Aroclor 1260	ND	50.0									
Surr: Decachlorobiphenyl Sig 1	72.16	0	100	0	72.2	30	150				
Surr: Decachlorobiphenyl Sig 2	72.25	0	100	0	72.3	30	150				
Surr: Tetrachloro-m-Xylene Sig 1	76.02	0	100	0	76.0	30	150				
Surr: Tetrachloro-m-Xylene Sig 2	70.65	0	100	0	70.6	30	150				

Sample ID: LCS-15714	SampType: Lcs	TestCode: 8082_S_ase	Units: µg/Kg	Prep Date: 4/14/2010	RunNo: 35821
Client ID: ZZZZZ	Batch ID: 15714	TestNo: SW8082	(SW3545A)	Analysis Date: 4/15/2010	SeqNo: 402258

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	78.38	50.0	100	0	78.4	30	150				
Aroclor 1260	78.06	50.0	100	0	78.1	30	150				
Surr: Decachlorobiphenyl Sig 1	74.15	0	100	0	74.2	30	150				
Surr: Decachlorobiphenyl Sig 2	70.85	0	100	0	70.9	30	150				
Surr: Tetrachloro-m-Xylene Sig 1	72.34	0	100	0	72.3	30	150				
Surr: Tetrachloro-m-Xylene Sig 2	69.67	0	100	0	69.7	30	150				

Sample ID: LCSD-15714	SampType: Lcsd	TestCode: 8082_S_ase	Units: µg/Kg	Prep Date: 4/14/2010	RunNo: 35821
Client ID: ZZZZZ	Batch ID: 15714	TestNo: SW8082	(SW3545A)	Analysis Date: 4/15/2010	SeqNo: 402259

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8082_S_ase

Sample ID: LCSD-15714	SampType: Lcsd	TestCode: 8082_S_ase	Units: µg/Kg	Prep Date: 4/14/2010	RunNo: 35821
Client ID: ZZZZZ	Batch ID: 15714	TestNo: SW8082	(SW3545A)	Analysis Date: 4/15/2010	SeqNo: 402259

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	86.99	50.0	100	0	87.0	30	150	78.38	10.4	30	
Aroclor 1260	87.93	50.0	100	0	87.9	30	150	78.06	11.9	30	
Surr: Decachlorobiphenyl Sig 1	81.23	0	100	0	81.2	30	150	0	0	0	
Surr: Decachlorobiphenyl Sig 2	80.08	0	100	0	80.1	30	150	0	0	0	
Surr: Tetrachloro-m-Xylene Sig 1	80.74	0	100	0	80.7	30	150	0	0	0	
Surr: Tetrachloro-m-Xylene Sig 2	78.28	0	100	0	78.3	30	150	0	0	0	

Qualifiers:

- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside recovery limits

GeoLabs, Inc.
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CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: SB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402071

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	50.0									
1,1,1-Trichloroethane	ND	50.0									
1,1,2,2-Tetrachloroethane	ND	50.0									
1,1,2-Trichloroethane	ND	50.0									
1,1-Dichloroethane	ND	125									
1,1-Dichloroethene	ND	50.0									
1,1-Dichloropropene	ND	50.0									
1,2,3-Trichlorobenzene	ND	50.0									
1,2,4-Trichlorobenzene	ND	50.0									
1,2,4-Trimethylbenzene	ND	50.0									
1,2-Dibromo-3-Chloropropane	ND	50.0									
1,2-Dibromoethane	ND	50.0									
1,2-Dichlorobenzene	ND	50.0									
1,2-Dichloroethane	ND	50.0									
1,2-Dichloropropane	ND	50.0									
1,3,5-Trimethylbenzene	ND	50.0									
1,3-Dichlorobenzene	ND	50.0									
1,3-Dichloropropane	ND	50.0									
1,4-Dichlorobenzene	ND	50.0									
2,2-Dichloropropane	ND	125									
2-Butanone	ND	300									
2-Chloroethyl Vinyl Ether	ND	50.0									
2-Chlorotoluene	ND	125									
2-Hexanone	ND	125									
4-Chlorotoluene	ND	125									
4-Isopropyltoluene	ND	50.0									
4-Methyl-2-Pentanone	ND	50.0									
Acetone	ND	500									

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873 **TestCode: 8260B_S**

Sample ID: SB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402071

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrylonitrile	ND	50.0									
Benzene	ND	50.0									
Bromobenzene	ND	50.0									
Bromochloromethane	ND	125									
Bromodichloromethane	ND	50.0									
Bromoform	ND	50.0									
Bromomethane	ND	50.0									
Carbon Disulfide	ND	50.0									
Carbon Tetrachloride	ND	50.0									
Chlorobenzene	ND	50.0									
Chloroethane	ND	50.0									
Chloroform	ND	50.0									
Chloromethane	ND	50.0									
cis-1,2-Dichloroethene	ND	50.0									
cis-1,3-Dichloropropene	ND	50.0									
Dibromochloromethane	ND	50.0									
Dibromomethane	ND	50.0									
Dichlorodifluoromethane	ND	50.0									
Ethylbenzene	ND	50.0									
Hexachlorobutadiene	ND	50.0									
Isopropylbenzene	ND	50.0									
Methyl Tert-Butyl Ether	ND	50.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	125									
n-Butylbenzene	ND	50.0									
n-Propylbenzene	ND	50.0									
sec-Butylbenzene	ND	50.0									
Styrene	ND	125									

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: SB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402071

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	50.0									
Tetrachloroethene	ND	50.0									
Toluene	ND	50.0									
trans-1,2-Dichloroethene	ND	50.0									
trans-1,3-Dichloropropene	ND	50.0									
Trichloroethene	ND	50.0									
Trichlorofluoromethane	ND	125									
Vinyl Chloride	ND	50.0									
Xylenes, Total	ND	125									
Surr: 1,2-Dichloroethane-d4	798.8	0	750	0	106	70	130				
Surr: 4-Bromofluorobenzene	640.0	0	750	0	85.3	70	130				
Surr: Dibromofluoromethane	825.5	0	750	0	110	70	130				
Surr: Toluene-d8	656.2	0	750	0	87.5	70	130				

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	1068	50.0	1250	0	85.5	70	130				
1,1,1-Trichloroethane	993.5	50.0	1250	0	79.5	70	130				
1,1,2,2-Tetrachloroethane	1101	50.0	1250	0	88.1	70	130				
1,1,2-Trichloroethane	1102	50.0	1250	0	88.2	70	130				
1,1-Dichloroethane	929.0	125	1250	0	74.3	70	130				
1,1-Dichloroethene	918.3	50.0	1250	0	73.5	70	130				
1,1-Dichloropropene	914.0	50.0	1250	0	73.1	70	130				
1,2,3-Trichlorobenzene	1039	50.0	1250	0	83.1	70	130				
1,2,4-Trichlorobenzene	992.5	50.0	1250	0	79.4	70	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	1053	50.0	1250	0	84.2	70	130				
1,2-Dibromo-3-Chloropropane	1154	50.0	1250	0	92.3	70	130				
1,2-Dibromoethane	1062	50.0	1250	0	84.9	70	130				
1,2-Dichlorobenzene	1178	50.0	1250	0	94.2	70	130				
1,2-Dichloroethane	1023	50.0	1250	0	81.8	70	130				
1,2-Dichloropropane	909.0	50.0	1250	0	72.7	70	130				
1,3,5-Trimethylbenzene	1053	50.0	1250	0	84.2	70	130				
1,3-Dichlorobenzene	1208	50.0	1250	0	96.7	70	130				
1,3-Dichloropropane	916.2	50.0	1250	0	73.3	70	130				
1,4-Dichlorobenzene	1103	50.0	1250	0	88.3	70	130				
2,2-Dichloropropane	1092	125	1250	0	87.3	70	130				
2-Butanone	1028	300	1250	0	82.3	70	130				
2-Chloroethyl Vinyl Ether	906.8	50.0	1250	0	72.5	70	130				
2-Chlorotoluene	989.8	125	1250	0	79.2	70	130				
2-Hexanone	943.3	125	1250	0	75.5	70	130				
4-Chlorotoluene	1021	125	1250	0	81.7	70	130				
4-Isopropyltoluene	1040	50.0	1250	0	83.2	70	130				
4-Methyl-2-Pentanone	943.3	50.0	1250	0	75.5	70	130				
Acetone	1070	500	1250	0	85.6	70	130				
Acrylonitrile	4710	50.0	5000	0	94.2	70	130				
Benzene	933.2	50.0	1250	0	74.7	70	130				
Bromobenzene	1135	50.0	1250	0	90.8	70	130				
Bromochloromethane	954.8	125	1250	0	76.4	70	130				
Bromodichloromethane	1043	50.0	1250	0	83.4	70	130				
Bromoform	1140	50.0	1250	0	91.2	70	130				
Bromomethane	1391	50.0	1250	0	111	70	130				
Carbon Disulfide	846.8	50.0	1250	0	67.7	70	130				S
Carbon Tetrachloride	907.0	50.0	1250	0	72.6	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	1088	50.0	1250	0	87.0	70	130				
Chloroethane	916.5	50.0	1250	0	73.3	70	130				
Chloroform	1030	50.0	1250	0	82.4	70	130				
Chloromethane	929.2	50.0	1250	0	74.3	70	130				
cis-1,2-Dichloroethene	929.5	50.0	1250	0	74.4	70	130				
cis-1,3-Dichloropropene	914.0	50.0	1250	0	73.1	70	130				
Dibromochloromethane	1152	50.0	1250	0	92.1	70	130				
Dibromomethane	1075	50.0	1250	0	86.0	70	130				
Dichlorodifluoromethane	929.5	50.0	1250	0	74.4	70	130				
Ethylbenzene	1012	50.0	1250	0	80.9	70	130				
Hexachlorobutadiene	1092	50.0	1250	0	87.4	70	130				
Isopropylbenzene	1039	50.0	1250	0	83.1	70	130				
Methyl Tert-Butyl Ether	1009	50.0	1250	0	80.7	70	130				
Methylene Chloride	937.0	50.0	1250	0	75.0	70	130				
Naphthalene	1216	125	1250	0	97.3	70	130				
n-Butylbenzene	924.0	50.0	1250	0	73.9	70	130				
n-Propylbenzene	917.0	50.0	1250	0	73.4	70	130				
sec-Butylbenzene	973.0	50.0	1250	0	77.8	70	130				
Styrene	1054	125	1250	0	84.3	70	130				
tert-Butylbenzene	951.8	50.0	1250	0	76.1	70	130				
Tetrachloroethene	1163	50.0	1250	0	93.0	70	130				
Toluene	983.5	50.0	1250	0	78.7	70	130				
trans-1,2-Dichloroethene	917.2	50.0	1250	0	73.4	70	130				
trans-1,3-Dichloropropene	902.5	50.0	1250	0	72.2	70	130				
Trichloroethene	1066	50.0	1250	0	85.3	70	130				
Trichlorofluoromethane	1234	125	1250	0	98.7	70	130				
Vinyl Chloride	960.3	50.0	1250	0	76.8	70	130				
Xylenes, Total	2976	125	3750	0	79.4	70	130				

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	686.5	0	750	0	91.5	70	130				
Surr: 4-Bromofluorobenzene	729.8	0	750	0	97.3	70	130				
Surr: Dibromofluoromethane	768.2	0	750	0	102	70	130				
Surr: Toluene-d8	729.8	0	750	0	97.3	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402070

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	1212	50.0	1250	0	96.9	70	130	1068	12.6	25	
1,1,1-Trichloroethane	1045	50.0	1250	0	83.6	70	130	993.5	5.05	25	
1,1,2,2-Tetrachloroethane	1164	50.0	1250	0	93.2	70	130	1101	5.63	25	
1,1,2-Trichloroethane	1192	50.0	1250	0	95.3	70	130	1102	7.78	25	
1,1-Dichloroethane	1077	125	1250	0	86.2	70	130	929	14.8	25	
1,1-Dichloroethene	1002	50.0	1250	0	80.1	70	130	918.3	8.70	25	
1,1-Dichloropropene	1018	50.0	1250	0	81.5	70	130	914	10.8	25	
1,2,3-Trichlorobenzene	1051	50.0	1250	0	84.1	70	130	1039	1.12	25	
1,2,4-Trichlorobenzene	1118	50.0	1250	0	89.4	70	130	992.5	11.9	25	
1,2,4-Trimethylbenzene	1164	50.0	1250	0	93.1	70	130	1053	9.99	25	
1,2-Dibromo-3-Chloropropane	1076	50.0	1250	0	86.1	70	130	1154	7.04	25	
1,2-Dibromoethane	1235	50.0	1250	0	98.8	70	130	1062	15.1	25	
1,2-Dichlorobenzene	1130	50.0	1250	0	90.4	70	130	1178	4.16	25	
1,2-Dichloroethane	1164	50.0	1250	0	93.1	70	130	1023	12.9	25	
1,2-Dichloropropane	969.8	50.0	1250	0	77.6	70	130	909	6.47	25	
1,3,5-Trimethylbenzene	1237	50.0	1250	0	99.0	70	130	1053	16.1	25	
1,3-Dichlorobenzene	1198	50.0	1250	0	95.9	70	130	1208	0.852	25	
1,3-Dichloropropane	1166	50.0	1250	0	93.3	70	130	916.2	24.0	25	

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402070

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	1187	50.0	1250	0	95.0	70	130	1103	7.33	25	
2,2-Dichloropropane	995.8	125	1250	0	79.7	70	130	1092	9.17	25	
2-Butanone	987.0	300	1250	0	79.0	70	130	1028	4.09	25	
2-Chloroethyl Vinyl Ether	967.5	50.0	1250	0	77.4	70	130	906.8	6.48	25	
2-Chlorotoluene	1239	125	1250	0	99.1	70	130	989.8	22.4	25	
2-Hexanone	1122	125	1250	0	89.8	70	130	943.3	17.3	25	
4-Chlorotoluene	1254	125	1250	0	100	70	130	1021	20.4	25	
4-Isopropyltoluene	1070	50.0	1250	0	85.6	70	130	1040	2.87	25	
4-Methyl-2-Pentanone	1122	50.0	1250	0	89.8	70	130	943.3	17.3	25	
Acetone	999.0	500	1250	0	79.9	70	130	1070	6.84	25	
Acrylonitrile	5168	50.0	5000	0	103	70	130	4710	9.27	25	
Benzene	1022	50.0	1250	0	81.8	70	130	933.2	9.13	25	
Bromobenzene	1446	50.0	1250	0	116	70	130	1135	24.1	25	
Bromochloromethane	990.2	125	1250	0	79.2	70	130	954.8	3.65	25	
Bromodichloromethane	1145	50.0	1250	0	91.6	70	130	1043	9.37	25	
Bromoform	1357	50.0	1250	0	109	70	130	1140	17.4	25	
Bromomethane	1505	50.0	1250	0	120	70	130	1391	7.87	25	
Carbon Disulfide	941.0	50.0	1250	0	75.3	70	130	846.8	10.5	25	
Carbon Tetrachloride	1155	50.0	1250	0	92.4	70	130	907	24.1	25	
Chlorobenzene	1161	50.0	1250	0	92.9	70	130	1088	6.49	25	
Chloroethane	994.8	50.0	1250	0	79.6	70	130	916.5	8.19	25	
Chloroform	1140	50.0	1250	0	91.2	70	130	1030	10.2	25	
Chloromethane	1015	50.0	1250	0	81.2	70	130	929.2	8.82	25	
cis-1,2-Dichloroethene	1016	50.0	1250	0	81.3	70	130	929.5	8.92	25	
cis-1,3-Dichloropropene	1036	50.0	1250	0	82.9	70	130	914	12.5	25	
Dibromochloromethane	1321	50.0	1250	0	106	70	130	1152	13.7	25	
Dibromomethane	1182	50.0	1250	0	94.6	70	130	1075	9.50	25	
Dichlorodifluoromethane	1144	50.0	1250	0	91.5	70	130	929.5	20.6	25	

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: 8260B_S

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_S	Units: µg/Kg	Prep Date:	RunNo: 35807
Client ID: ZZZZZ	Batch ID: R35807	TestNo: SW8260B		Analysis Date: 4/13/2010	SeqNo: 402070

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	1192	50.0	1250	0	95.4	70	130	1012	16.4	25	
Hexachlorobutadiene	993.8	50.0	1250	0	79.5	70	130	1092	9.44	25	
Isopropylbenzene	1183	50.0	1250	0	94.6	70	130	1039	13.0	25	
Methyl Tert-Butyl Ether	1034	50.0	1250	0	82.8	70	130	1009	2.52	25	
Methylene Chloride	1036	50.0	1250	0	82.8	70	130	937	9.99	25	
Naphthalene	1167	125	1250	0	93.3	70	130	1216	4.15	25	
n-Butylbenzene	989.2	50.0	1250	0	79.1	70	130	924	6.82	25	
n-Propylbenzene	1182	50.0	1250	0	94.6	70	130	917	25.3	25	R
sec-Butylbenzene	977.2	50.0	1250	0	78.2	70	130	973	0.436	25	
Styrene	1216	125	1250	0	97.3	70	130	1054	14.3	25	
tert-Butylbenzene	1200	50.0	1250	0	96.0	70	130	951.8	23.1	25	
Tetrachloroethene	1337	50.0	1250	0	107	70	130	1163	13.9	25	
Toluene	1119	50.0	1250	0	89.5	70	130	983.5	12.9	25	
trans-1,2-Dichloroethene	1020	50.0	1250	0	81.6	70	130	917.2	10.6	25	
trans-1,3-Dichloropropene	1078	50.0	1250	0	86.2	70	130	902.5	17.7	25	
Trichloroethene	1212	50.0	1250	0	97.0	70	130	1066	12.9	25	
Trichlorofluoromethane	1323	125	1250	0	106	70	130	1234	6.98	25	
Vinyl Chloride	965.0	50.0	1250	0	77.2	70	130	960.3	0.493	25	
Xylenes, Total	3592	125	3750	0	95.8	70	130	2976	18.8	25	
Surr: 1,2-Dichloroethane-d4	751.5	0	750	0	100	70	130	0	0	25	
Surr: 4-Bromofluorobenzene	689.5	0	750	0	91.9	70	130	0	0	25	
Surr: Dibromofluoromethane	816.0	0	750	0	109	70	130	0	0	25	
Surr: Toluene-d8	783.2	0	750	0	104	70	130	0	0	25	

Qualifiers:

- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside recovery limits
- S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873 **TestCode:** AG_S

Sample ID: MB-15702	SampType: MBLK	TestCode: AG_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35813
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402155

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	10.0									

Sample ID: LCS-15702	SampType: LCS	TestCode: AG_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35813
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402156

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	26.73	10.0	33.33	0	80.2	80	120				

Sample ID: LCSD-15702	SampType: LCSD	TestCode: AG_S	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35813
Client ID: ZZZZZ	Batch ID: 15702	TestNo: SW6010B	(SW3050B)	Analysis Date: 4/13/2010	SeqNo: 402161

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	26.73	10.0	33.33	0	80.2	80	120	26.73	0	30	

Qualifiers:
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: hg_7471a_s

Sample ID: MB-15705	SampType: MBLK	TestCode: hg_7471a_s	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35803
Client ID: ZZZZZ	Batch ID: 15705	TestNo: SW 7471A	(SW7471A)	Analysis Date: 4/13/2010	SeqNo: 402008

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									

Sample ID: LCS-15705	SampType: LCS	TestCode: hg_7471a_s	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35803
Client ID: ZZZZZ	Batch ID: 15705	TestNo: SW 7471A	(SW7471A)	Analysis Date: 4/13/2010	SeqNo: 402009

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.500	0.250	2.5	0	100	80	120				

Sample ID: LCSD-15705	SampType: LCSD	TestCode: hg_7471a_s	Units: mg/Kg	Prep Date: 4/13/2010	RunNo: 35803
Client ID: ZZZZZ	Batch ID: 15705	TestNo: SW 7471A	(SW7471A)	Analysis Date: 4/13/2010	SeqNo: 402017

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.505	0.250	2.5	0	100	80	120	2.5	0.200	30	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873 **TestCode: VPH_S2**

Sample ID: MBLK	SampType: MBLK	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402591

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	0.500									
2,2,4-Trimethylpentane	ND	0.500									
2-Methylpentane	ND	0.500									
n-Butylcyclohexane	ND	0.500									
n-Decane	ND	0.500									
n-Nonane	ND	0.500									
n-Pentane	ND	0.500									
Unadjusted C5-C8 Aliphatic HC	ND	25.0									
Unadjusted C9-C12 Aliphatic HC	ND	25.0									
Methyl Tert-Butyl Ether	ND	0.0500									
Benzene	ND	0.500									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
o-Xylene	ND	0.500									
Naphthalene	ND	1.00									
C9-C10 Aromatic Hydrocarbons	ND	25.0									
Surr: 2,5-Dibromotoluene FID	101.9	0	100	0	102	70	130				
Surr: 2,5-Dibromotoluene PID	99.86	0	100	0	99.9	70	130				

Sample ID: LCS	SampType: LCS	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402589

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	104.2	0.500	100	0	104	70	130				
2,2,4-Trimethylpentane	108.7	0.500	100	0	109	70	130				
2-Methylpentane	89.13	0.500	100	0	89.1	70	130				

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873 **TestCode: VPH_S2**

Sample ID: LCS	SampType: LCS	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402589

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylcyclohexane	81.25	0.500	100	0	81.2	70	130				
n-Decane	93.45	0.500	100	0	93.5	70	130				
n-Nonane	91.55	0.500	100	0	91.6	30	130				
n-Pentane	112.5	0.500	100	0	113	70	130				
Unadjusted C5-C8 Aliphatic HC	350.2	25.0	300	0	117	70	130				
Unadjusted C9-C12 Aliphatic HC	314.5	25.0	300	0	105	70	130				
Methyl Tert-Butyl Ether	108.3	0.0500	100	0	108	70	130				
Benzene	117.8	0.500	100	0	118	70	130				
Toluene	116.1	0.500	100	0	116	70	130				
Ethylbenzene	109.1	0.500	100	0	109	70	130				
m,p-Xylene	215.8	0.500	200	0	108	70	130				
o-Xylene	108.1	0.500	100	0	108	70	130				
Naphthalene	106.5	1.00	100	0	106	70	130				
C9-C10 Aromatic Hydrocarbons	110.1	25.0	100	0	110	70	130				
Surr: 2,5-Dibromotoluene FID	104.6	0	100	0	105	70	130				
Surr: 2,5-Dibromotoluene PID	127.1	0	100	0	127	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402590

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	98.80	0.500	100	0	98.8	70	130	104.2	5.32	25	
2,2,4-Trimethylpentane	87.47	0.500	100	0	87.5	70	130	108.7	21.6	25	
2-Methylpentane	90.29	0.500	100	0	90.3	70	130	89.13	1.29	25	
n-Butylcyclohexane	79.05	0.500	100	0	79.0	70	130	81.25	2.75	25	
n-Decane	94.42	0.500	100	0	94.4	70	130	93.45	1.03	25	
n-Nonane	90.16	0.500	100	0	90.2	30	130	91.55	1.52	25	

Qualifiers:
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits
S Spike Recovery outside recovery limits

GeoLabs, Inc.
45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: AECOM
Work Order: 1004182
Project: CFI 2141, 60136873

TestCode: VPH_S2

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_S2	Units: mg/Kg	Prep Date:	RunNo: 35853
Client ID: ZZZZZ	Batch ID: R35853	TestNo: VPH		Analysis Date: 4/15/2010	SeqNo: 402590

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Pentane	122.4	0.500	100	0	122	70	130	112.5	8.44	25	
Unadjusted C5-C8 Aliphatic HC	324.6	25.0	300	0	108	70	130	350.2	7.59	25	
Unadjusted C9-C12 Aliphatic HC	309.1	25.0	300	0	103	70	130	314.5	1.74	25	
Methyl Tert-Butyl Ether	112.8	0.0500	100	0	113	70	130	108.3	4.06	25	
Benzene	123.4	0.500	100	0	123	70	130	117.8	4.67	25	
Toluene	113.6	0.500	100	0	114	70	130	116.1	2.19	25	
Ethylbenzene	111.0	0.500	100	0	111	70	130	109.1	1.70	25	
m,p-Xylene	212.7	0.500	200	0	106	70	130	215.8	1.42	25	
o-Xylene	106.2	0.500	100	0	106	70	130	108.1	1.85	25	
Naphthalene	124.1	1.00	100	0	124	70	130	106.5	15.2	25	
C9-C10 Aromatic Hydrocarbons	109.6	25.0	100	0	110	70	130	110.1	0.493	25	
Surr: 2,5-Dibromotoluene FID	127.9	0	100	0	128	70	130	0	0	25	
Surr: 2,5-Dibromotoluene PID	129.0	0	100	0	129	70	130	0	0	25	

Qualifiers:

BRL	Below Reporting Limit	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside recovery limits
S	Spike Recovery outside recovery limits				

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CHAIN OF CUSTODY RECORD

GeoLabs, Inc. *Environmental Laboratories*
45 Johnson Lane, Braintree, MA 02184
p 781.848.7844 • f 781.848.7811
www.geolabs.com

Sample Handling: circle choice
Filtration: Done / (Not Needed) / Lab to do
Preservation: Lab to do Y / N

Special Instructions
CFI # 2141
1289 Main Street
Leominster, MA

Turnaround: circle one
1-day 3-day
2-day (5 / 7-days)

Data Delivery: circle choice (s)
Fax (email)
Format:
Excel (PDF)

Requirements: circle choice (s) 1004182
GW-1 (MCP Methods)
S-1 (DEP)
QC Other GW-2/GW-3
CT RCP (Reasonable Confidence Protocols)
State / Fed Program - Criteria MA

Client: AECOM
Address: 2 Technology Park Dr
Westford, MA 01886
Contact: Mark Newell

Phone: 978-589-3000
Fax: 978-589-3705
email: mark.newell@aecom.com

Project: 60136873 (SC)
Project PO: /
Invoice to *: Cumberland Farms

Preserative:	6/7	6	7	7	7	7	7			

COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION / ID	CONTAINER TYPE	CONTAINER QUANITY	MATRIX	COMP	GRAB	GeoLabs SAMPLE NUMBER	Analysis Requested: VPH	8260B	PCB by 8082	PP13 Metals	NH	Reactivity (sulfide/cyanide)	Flash point		TEMPERATURE	LAB PH
4/8/10	930	JC	MW-7(0-3)	G/V	3	S	X		4182-001	X								7/5	C
	945		MW-7(8-15)						002										
	11 15		MW-10(3-5)						003										
			Dup						004										
	1415		DRUM		4				005		X	X	X	X	X	X			
4/8/10			Trip blank	V	2	OT			006	X									

Matrix Codes:
GW = Ground Water DW = Drinking Water S = Soil A = Air
WW = Waste Water SL = Sludge O = Oil OT = Other

Received on Ice ✓

Preservatives
1 = Hcl 3 = H2SO4 5 = NaOH 7 = Other
2 = HNO3 4 = Na2S2O3 6 = MEOH

Containers:
A = Amber B = Bag O = Other
G = Glass P = Plastic
S = Summa V = Voa

Relinquished by:	Date / Time	Received by:	Date / Time
Julian Chamber	4/9/10 9:00am		4.9.10 9:55
	4.9.10 3:55		4/9/10 15:55

* Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost.
Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash, check and credit cards.
CT (PH-0148) NY(11796) MA (MA - 015) PA (68-03417) NH (2508) NJ (MA-009) RI (LA000252)