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**REMEDY OPERATION STATUS REPORT
September 2013 through March 2014**

**FORMER TEXACO STATION
377 MAIN STREET
WAREHAM, MASSACHUSETTS
MADEP RTN: 4-11961**

Prepared for:

**Mr. Michael A. Fitzgerald
Finbar, LLC
12 Widows Cove Lane
Wareham, Massachusetts 02571**

Prepared by:

**Compliance Environmental, Inc.
11 Bearcourt Drive
Attleboro, Massachusetts 02703**

March 10, 2014

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1.0 INTRODUCTION

Compliance Environmental, Inc. (CEI) has prepared this Remedy Operation Status (ROS) Report on behalf of and with the knowledge of Mr. Michael A. Fitzgerald; Manager of Finbar, LLC; the owner of 377 Main Street, Wareham, Massachusetts (hereinafter; also referred to as the "Property"). Electronic submission of this March 10, 2014 ROS Report and the Massachusetts Department of Environmental Protection (DEP) Bureau of Waste Site Clean-up (BWSC) Transmittal Form BWSC-108 six months after the September 12, 2013 submission of the September 8, 2013 ROS Report satisfies the requirements of 310 CMR 40.0892(1) and 310 CMR 40.0893(2)(f).

The Historical Summary, Section 1.1 of this ROS Report, is generally the same as the Historical Summary Section presented in the three previous ROS Reports, dated September 8, 2013, March 5, 2013 and August 27, 2012. It is included so that this March 10, 2014 ROS Report can serve as a "stand alone" document that gives the reader the upfront historical information that has resulted in the present conditions and remedial response. In addition to the Historical Summary; this ROS Report includes the most current monitoring or assessment results and an evaluation of the performance of the on going remedial action since the previously submitted ROS Report dated September 8, 2013.

1.1 Historical Summary

The current Property owner, Finbar, LLC, purchased the Property from the previous Property owner, Mr. Jack Nelson, on January 25, 2010. During the almost 60 years of ownership by Mr. Nelson the Property was occupied by the following businesses: the Franconia Hurley Lumbertown Heating Oil Company, a marine repair garage, a used car dealership and a Getty Gas Station, later changed to a Texaco Gas Station.

The gas station business, that included underground gasoline storage tanks, occupied the southern or front portion of the Property. The heating oil business, that included above ground heating oil storage tanks, occupied the topographically lower northern or rear portion of the Property. The approximate locations of the Property features are shown on the attached Site Plan, Figure 2.

Subsequent to purchasing the property; Mr. Fitzgerald, manager of Finbar, LLC hired a series of contractors to perform general Property cleanup, extensive remodeling of the exterior and interior of the building and as referenced previously, had CEI document the removal of the remaining potential contaminant sources. Although the building and the surrounding access drives and parking lots have been significantly improved and remodeled; the entire Property continues to be unoccupied.

The DEP was initially notified of a release of petroleum at the Property on February 15, 1996. The release was assigned Release Tracking Number (RTN) 4-11961. In response to the notification, the DEP forwarded a January 15, 1998 Notice of Responsibility (NOR) to Mr. Jack Nelson; the previous Property owner. In response to the NOR; Mr. Nelson hired an environmental consulting firm (it's Environmental). However; when Finbar, LLC assumed the Property on January 25, 2010; the required actions had not been completed and the petroleum release initially reported on February 15, 1996 had not been resolved.

The DEP sent Mr. Fitzgerald a June 28, 2012 NOR and Notice of Noncompliance (NON) Letter informing him that as the current owner of the Property he is now responsible for assessment and remediation of the petroleum release (RTN:4-11961) reported on February 15, 1996. The specific noncompliance issue, as presented in the June 28, 2012 NON Letter was as follows; "A Phase V Status Report and Remedial Monitoring Report were due to MASSDEP by July 15, 2007 and every six months thereafter. As such you are not in compliance with the provisions of 310 CMR 40.0893."

As indicated above; from February 15, 1996 through January 25, 2010, the potentially Responsible Party (RP) for the release (RTN: 4-11961) was Mr. Jack Nelson. As previously stated, upon receipt of the June 28, 2012 NOR and NON Letter, Mr. Michael Fitzgerald acknowledged and accepted responsibility for assessment and remediation of the release pursuant to the applicable requirements of the Massachusetts Contingency Plan (MCP, 310 CMR 40.0000).

In response to the June 28, 2012 NOR and NON Letter; CEI on behalf of Mr. Fitzgerald, prepared and submitted via e-DEP the three above listed previous ROS Reports and associated Transmittal Form BWSC-108. Pursuant to 310 CMR 40.0893(5); completion and submission of Transmittal Form BWSC-108 and BWSC-108C transferred the responsible party for maintaining the ROS from Mr. Nelson to Mr. Fitzgerald.

Pursuant to 310 CMR 40.0169(2); an August 19, 2012 Letter submitted to the DEP, on behalf of Finbar, LLC, served as formal notification that Mr. Patrick O. Vargo (LSP No. 2955, Revoked) of It's Environmental was no longer the Licensed Site Professional (LSP) of Record for RTN: 4-11961. The August 19, 2012 Letter also notified the DEP that going forward, representing Finbar, LLC; the LSP of Record for the Disposal Site RTN 4-11961 would be CEI's Consulting Associate; Mr. Neal Carey (LSP No. 5521).

The primary objective of Finbar LLC's initial August 27, 2012 ROS Report was to document that the proposed plans and required actions were initiated such that the release assigned RTN: 4-11961 had been returned to compliance with the applicable requirements of the MCP. The primary objective of the March 5, 2013 ROS Report; the September 8, 2013 ROS Report and this March 10, 2014 ROS Report is to document that CEI, on behalf of Finbar LLC, has supervised removal of the identified contaminant sources, continued to perform the required monitoring and assessment tasks (i.e. laboratory analysis of subsurface soil and groundwater samples) and reactivated and continued the in situ bio-remediation first proposed by and initiated by It's Environmental (consulting firm of Mr. Nelson) as detailed in their July 2003 Phase IV Remedy Implementation Plan (RIP).

Shortly before conveying the Property; Mr. Nelson gave Mr. Fitzgerald a project file that included a collection of environmental assessment reports, figures and MCP submissions prepared by several consultants. The primary consulting firm working over a period of many years, on behalf of Mr. Nelson was "Vargo and Associates". Vargo and Associates later changed to "It's Environmental". Mr. Patrick Vargo, who worked for both companies, remained the LSP of Record until being replaced by CEI's Consulting Associate; Mr. Carey.

At the request of Mr. Fitzgerald; CEI reviewed Mr. Nelson's project file. Based on that review it became apparent that several reports, some MCP submittals, field notes, well logs, analytical data and some as built plans for the remedial systems were missing. Repeated attempts (including phone messages) by Mr. Fitzgerald and CEI to contact Mr. Vargo in order to pose some questions and to get copies of missing documents were unsuccessful.

Within the two NOR Letters issued to Mr. Nelson; the DEP required the identified Responsible Party (i.e. Mr. Nelson at that time) to undertake the required response actions and submit the MCP required reports and submittals achieving a Condition of No Significant Risk as presented in a Response Action Outcome (RAO) Report. Relative to the required submissions; the previous ROS Reports submitted on behalf of Finbar, LLC presented a list of the dated documents identified in Mr. Nelson's file that were submitted to the DEP relative to RTN: 4-11961. The list was compiled based on our review of Mr. Nelson's project file. As indicated; some of the listed DEP submittals, as built plans and similar documents that reportedly had been prepared by Vargo and Associates or It's Environmental were not included in Mr. Nelson's project file.

Below is a chronological summary of the pertinent historical information relative to the Property and RTN: 4-11961. The information is based on our review of the project file obtained from Mr. Nelson

The earliest report on file was a *March 1992 Phase I Limited Site Investigation Report* that identified elevated concentrations of total petroleum hydrocarbons (TPHs) and volatile organic compounds (VOCs) in soil and groundwater samples collected from on-Property soil boring/monitoring wells.

In response to the 1992 notification of TPH and VOC concentrations above applicable Reportable Concentrations (RCs); the DEP assigned RTN 4-1201. According to available information; a *February 1997 Class B-1 RAO Report*, supported by a Method I Risk Characterization, was submitted to the DEP. The February 1997 RAO Report resolved the referenced TPH and VOC release and completed all regulatory requirements associated with RTN: 4-1201.

On February 15, 1996 Vargo and Associates on behalf of Mr. Nelson; notified the DEP that non-aqueous phase liquid (NAPL) was encountered in an on Property monitoring well; MW-4 at a thickness of 0.05 feet. Monitoring well MW-4 had been located directly north of the former catchment reservoir above which the former, above-ground, heating oil storage tanks had been located. In response to the notification; the DEP forwarded the above referenced January 15, 1998 NOR Letter to Mr. Nelson. The NOR identified the Property as a Disposal Site assigned RTN: 4-11961.

On July 26, 1999 the DEP was notified of an apparent release of gasoline identified during excavation and removal of all the underground gasoline storage tanks (USTs) that had been located beneath the southwest corner of the Property, in front of and associated with the former Texaco Gasoline Station office and garage. Photoionization detector (PID) headspace field screening of a sample of subsurface soil collected from a location directly adjacent to one of the USTs identified a total VOC concentration greater than 100 parts per million (ppm). In response to the July 26, 1999 notification; the DEP forwarded a July 29, 1999 NOR Letter to Mr. Nelson. The NOR assigned the above referenced July 25, 1999 release RTN: 4-14893.

Based on our review of available information; it appears that the two referenced RTNs (4-11961 and 4-14893) had been linked as RTN: 4-11961 only. The documentation of the RTN linking, reportedly prepared by Vargo and Associates, was not located. Therefore; on December 26, 2012 CEI submitted Transmittal BWSC 107; that linked RTN 4-14893 to RTN 4-11961. Consequently; all submittals and documents relative to the Property will now reference RTN: 4-11961 only.

The results of the initial assessment tasks, performed on behalf of Mr. Nelson, reportedly identified concentrations of petroleum and VOCs in the soils and groundwater at the Property that exceeded the applicable MCP Method 1 Risk Characterization Standards. It is significant to note that the March 2003 Phase II Comprehensive Site Assessment Report prepared by Vargo and Associates concluded that; "the identified contamination has apparently not migrated off the Property".

The elevated concentrations of petroleum hydrocarbons and VOCs identified in the soils and groundwater at the Property are in all likelihood the result of historical Property uses that stored and sold commercial quantities of heating oil (north and rear portion of the Property) and gasoline (south and front portion of the Property).

On behalf of Mr. Nelson initially and more recently on behalf of Mr. Fitzgerald; the contaminant sources have been removed from the Property, including: the below discussed contaminated soil and groundwater, all the above ground storage tanks, all the underground storage tanks and the underground, hydraulic oil storage cylinder associated with the former vehicle lift located in the former auto repair garage. In addition the Franconia Hurley Lumbertown Heating Oil Company and the Texaco Gasoline Station have not operated on the Property since circa 1999.

At the direction of CEI; approximately 900 tons of oil and/or gasoline contaminated subsurface soils have been excavated and appropriately (Bills of Lading or Uniform Hazardous Manifests) disposed of or recycled off-Property. Also at the direction of CEI; approximately 1,200 gallons of oil and/or gasoline contaminated groundwater was pumped, contained in a vacuum truck and appropriately disposed of or recycled off Property pursuant to a Uniform Hazardous Waste Manifest.

Subsequent to submission of their *March 2003 Phase II Comprehensive Site Assessment Report*; It's Environmental prepared and submitted an *April 2003 Phase III Remedial Action Plan (RAP) Report* that proposed, summarized and evaluated several remedial technologies that if implemented would be expected to achieve a level of no significant risk. It's Environmental's evaluation of the available remedial technologies was performed relative to Property specific criteria (including, but not limited to: hydraulic conductivity, depth to groundwater, contaminant concentrations, MCP soil and groundwater categories and groundwater parameters). As presented in the RAP Report; after evaluating several technologies; the selected remedial technology involved a two-phase, proven, Comprehensive Response Action (CRA) that involved installation and operation of a bio-remediation system enhanced by the installation and operation of a vapor extraction system (VES).

It's Environmental prepared and submitted a *July 2003 Phase IV Remedial Implementation Plan (RIP) Report*. The RIP Report summarized the technological basis and presented details of the installation, operation, the expected outcome of the referenced, two-phase CRA and the estimated time to achieve the remedial goals. The goal of the selected remedial approach was to achieve a level of no significant risk by decreasing the concentrations of the petroleum hydrocarbons and VOCs in the soils and groundwater at the Property to concentrations below the applicable Method I Risk Standards resulting in a permanent solution and submission of a RAO Report.

As summarized in the RIP Report; the It's Environmental bio-remediation system involved the installation of a network of two level (vadose zone and shallow phreatic zone) injection wells used to apply a dilute bio-solution as a remedial additive to maximize the co-metabolic breakdown of petroleum hydrocarbons and VOCs by enzymes produced by naturally occurring, indigenous, heterotrophic bacteria. Initiation of the bio remediation system, which occurred in the summer of 2005, was followed by monitored natural attenuation via groundwater sampling and analysis.

The vapor extraction system (VES) involved the installation of six, vadose zone, vapor point extraction wells. Three of the vapor point extraction wells were located in the front area of the Property in a line "running" parallel to the former, underground, gasoline storage tanks that had been located beneath the southeast corner of the Property. Three of the vapor point extraction wells were located in the rear area of the Property surrounding the location of the former, above ground, heating oil storage tanks that had been located above a cement block catchment reservoir. A high pressure vacuum pump or blower connected to the six extraction wells was installed to apply optimal vacuum or negative pressure removing and channeling volatile vapors from the subsurface environment surrounding the vapor point extraction wells. The extracted volatile vapors were channeled from the vacuum pump through an air/water separator. The vapors leaving the air/water separator were processed through two, 350-pound carbon drums in series prior to discharge to the atmosphere. In line at a point after the two carbon drums there was a port to monitor the expected non-impact effluent from the carbon drums. The vacuum pump or blower located outside the building was connected via above grade piping to the air/water separator, the shutoffs, the carbon drums and associated attachments all installed inside the former garage located directly adjacent to where the former underground, gasoline storage tanks had been at the southeast corner of the Property (see attached Figure 2). As with the above described bio-remediation system, the VES was also installed and began operating during the summer of 2005.

Within the July 2003 Phase IV RIP Report, It's Environmental presented their opinion that based on the modeling program and the monitoring data; operation of the above described, two-phase CRA strategy was expected to achieve clean-up goals resulting in a Class A RAO by 2006. As referenced; the two-phase remedial system began operating in the summer of 2005. It's Environmental monitored the progress of the two-phase CRA via groundwater sampling and analysis.

It's Environmental prepared an October 23, 2006 Tier II Extension Request that was submitted to the DEP on behalf of Mr. Nelson. The October 23, 2006 Extension Request referenced preparation and submission of two ROS Reports; one in October 2005 and another one in May 2006. An October 23, 2006 Letter filed with the above referenced Tier II Extension Request presented a summary of the two-phase remediation system or CRA. That summary read as follows:

- "It's Environmental is currently operating the VES system according to the Phase V ROS. The bio-remediation is also proceeding according to the Phase V ROS. Quarterly monitoring is ongoing and reported in the semi-annual ROS Status Reports."
- "The system is currently operational. The system is operating as expected and levels are anticipated to achieve a permanent solution and a RAO for the site. The site currently has not achieved levels appropriate for RAO status. Therefore, a Tier II Extension is requested. During the upcoming year, It's Environmental expects to proceed with the current CRA at the Site in the hopes of achieving a Level of No Significant Risk and contaminant levels below the Method 1 Risk based standards to achieve RAO status."

It's Environmental reportedly monitored the above described, two phase remedial system via observations, pump checks and laboratory analysis of groundwater samples collected from the on Property groundwater monitoring wells. It is our understanding that It's Environmental and the previous LSP of Record (Mr. Patrick Vargo of It's Environmental), ceased involvement in the assessment and remedial actions at the Property at some point in the later months of 2009.

As discussed; it is our expectation that the bio-remediation system, as described and initiated in the summer of 2005, has continued to operate. Our general understanding and experience with bio-remediation technology, our review of the over time analytical results (including the It's Environmental results and the two March 28, 2013 Laboratory Reports presented in CEI's September 8, 2013 ROS Report) and the installation and operational aspects presented by It's Environmental; indicate and confirm that, as expected, the bio-remediation system in conjunction with natural attenuation processes has been a contributory factor in the over time decrease in the overall concentration of the petroleum hydrocarbons and VOCs in the subsurface environment beneath the Property.

As referenced-above; part two of the two-phase CRA was the VES which began operating, as described, beginning in the summer of 2005. In March 2010 the VES reportedly ceased operating due to an apparent mechanical failure of the high velocity vacuum pump. At the request of Mr. Fitzgerald; in December 2012, a contractor inspected and evaluated the above ground portion of the VES. According to the contractor; the vacuum pump had completely seized and was therefore beyond repair. In addition; it was apparent that the vacuum pump, the safety shut off valves, several lengths of piping and the carbon drums had all been vandalized. To prevent future unauthorized entry; the remodeling of the building included repair and replacement of all doors, windows and locks.

As referenced above; the VES operated as designed and as expected for a period of about five years; from the summer of 2005 through March 2010. Confirmation of the increasing success of the VES was identified by the overtime laboratory analytical results on groundwater samples collected from the nine monitoring wells located as shown on Figure 2.

The historical laboratory analytical results (both It's Environmental and CEI's results) have shown that the volatile petroleum hydrocarbon (VPH) and VOC concentrations identified in the groundwater samples collected from monitoring wells MW-101, MW-102, MW-103, MW-104, MW-106 and MW-VD have continued to decrease over time to concentrations less than or approaching the applicable MCP Method 1, GW-2 and GW-3 Standards (as per 310 CMR 40.0974). As shown on Figure 2; monitoring wells MW-101, MW-102, MW-103, MW-104, MW-106 and MW-VD are all within or downgradient from the location of the former, underground, gasoline storage tanks, which, as referenced above, were the source of the gasoline release reported to the DEP on July 26, 1999.

Based on the historical and relatively recent laboratory analytical results: the purchase, installation and operation of a replacement VES does not appear warranted. Therefore; the remedial strategy going forward to accomplish the ultimate remedial goal of achieving a Level of No Significant Risk by resolving the herein referenced release of petroleum hydrocarbons (both gasoline and heating oil) sufficient to meet the requirements of a RAO will be continuation of the bio-remediation system followed by monitored natural attenuation.

As referenced herein and as presented in the previous September 8, 2013 ROS Report; the petroleum hydrocarbon and VOC concentrations identified in the groundwater samples collected from the nine on Property monitoring wells have continued to decrease over time to concentrations less than or approaching the applicable MCP Method 1, GW-2 and GW-3 Standards (as per 310 CMR 40.0974).

Although the contaminant concentrations have continued to decrease over time; the above defined ultimate remedial goal had not yet been achieved as of March 2013. As referenced herein; 2005 was the first and last time the bio-solution was applied to the subsurface environment of the Property. Consequently; to accelerate the remedial process and accelerate achieving the remedial goal in the near future; on July 18, 2013 a second application of oil degrading or oleophilic bacteria in solution was applied to the underlying environment via selected monitoring wells that served as bio-solution delivery ports. A more detailed presentation of the July 18, 2013 bio-solution application is presented below in Section 2.1 of this Report.

1.2 Applicable Groundwater and Soil Categories

The DEP has established categories of groundwater and soil for use in characterization of risk posed by disposal sites. The identification criteria of the applicable, site specific, groundwater and soil categories is presented in 310 CMR 40.0930.

The Property and the surrounding properties have access to the municipal drinking water supply line. There are no drinking water supply wells located on the Property. The Wakinco River, located about 175 feet north of the Property, is tidally influenced and brackish.

Based on the above and pursuant to 310 CMR 40.0932(4), since the groundwater beneath the Site is not located within a drinking water source area or a potentially productive aquifer Groundwater Protection Category GW-1 is not applicable. Groundwater shall be defined as Category GW-2 if it is located within 30 feet of a building and the average depth to the groundwater in that area is 15 feet or less. The groundwater beneath the Property is located between approximately 10 feet (south or front of the Property) and approximately five feet (north or rear area of the Property) below grade. All groundwater in the Commonwealth is classified as Category GW-3.

Based on the above and pursuant to 310 CMR 40.0930; as shown on attached Figure 2, groundwater samples collected from on Property monitoring wells located within 30 feet of the building are classified as being in Category GW-2 and GW-3. Category GW-2 groundwater is considered to be a potential source of OHM vapors to indoor air. As referenced; the building is currently unoccupied. The groundwater samples collected from on Property monitoring wells located greater than 30 feet from the building are classified as being in Category GW-3 only. However; as a conservative measure; the identified concentrations in the groundwater samples collected by CEI from the nine on property monitoring wells will be compared to both the GW-2 and the GW-3 Method 1 Standards as per 310 CMR 40.0970.

Relative to the applicable soil category, we evaluated the current and reasonable and most likely future conditions, activities and uses of the Property, including frequency and intensity of use and accessibility of the soil at the Property to potential receptors (see 310 CMR 40.0933). Based on our evaluation and interpretation of the definitions presented in 310 CMR 40.0933(4)&(6), the receptor characteristics matrix presented in 310 CMR 40.0933(9) and the above Groundwater Protection Categories; the soil at the Property meets the criteria for Method 1, Risk Characterization Soil Categories S-3/GW-2 or S-3/GW-3.

2.0 PHASE V ROS AND REMEDIAL MONITORING REPORT– 310 CMR 40.0892

As per 310 CMR 40.0892(1) at Disposal Sites (i.e. the “Property”) where operation, maintenance and/or monitoring of a CRA is being conducted, a Phase V ROS Report (as per 310 CMR 40.0892(2)) shall be submitted to the DEP six months from the submission date of the Phase IV Completion Statement and every six months thereafter for the duration of the remedy.

It's Environmental prepared and submitted a Phase IV RIP and Final Inspection Report and Completion Statement in May 2005. The May 2005 submission presented details of the selected two-phase CRA that was scheduled to and in fact did start operating during the summer of 2005. Pursuant to 310 CMR 40.0892(1) It's Environmental prepared and submitted three Phase V ROS Reports in October 2005, May 2006 and January 2007. As summarized above; the It's Environmental two-phase CRA that was designed to decrease the elevated concentrations of petroleum hydrocarbons and VOCs in the subsurface soil and groundwater consisted of a bio-remediation system followed by monitored natural attenuation in union with a VES. Based on our understanding of the remedial technology and the results of the over time analytical monitoring conducted by It's Environmental and more recently by CEI; the bio-remediation system has continued to operate. However; in March 2010 the VES stopped operating.

As per 310 CMR 40.0892(1); presented below is a summary of the activities that occurred just before and since submission of the previous September 8, 2013 ROS Report.

2.1 Description of the Type and Frequency of the Operation, Maintenance and Monitoring of the CRA - 310 CMR 40.0892(2)(a)

Based on the reasons presented above; CEI is of the opinion that the bio-remediation system installed during the summer of 2005 has continued to operate. Confirmation of the successful performance of the bio-remediation system was obtained via analytical monitoring results presented in a series of laboratory reports included with and discussed in the six herein referenced ROS Reports (three by It's Environmental and three by CEI) submitted to the DEP since May 2005.

The herein described bio-remediation system and the VES installed, maintained and monitored by It's Environmental is based on our review of a project file Mr. Jack Nelson (the previous property owner) gave to Mr. Fitzgerald. Based on that review it became apparent that some reports, field notes, analytical data and descriptions and some of the as built plans associated with the bio-remediation system and the VES were missing. Consequently; our description of the two-phase CRA managed by It's Environmental is somewhat limited.

Although the overtime, co-metabolic breakdown of petroleum hydrocarbons and VOCs by enzymes produced by the naturally occurring, indigenous, heterotrophic bacteria applied by It's Environmental in the summer of 2005 has continued; the above defined remedial goal of achieving a level of no significant risk by resolving the herein referenced release of petroleum hydrocarbons and VOCs sufficient to meet the requirements of a RAO had not been achieved as March 2013. Consequently; to accelerate the remedial process and achieve the remedial goal in the near future; on July 18, 2013 a second remedial additive application of oil degrading or oleophilic bacteria in solution was applied to the underlying environment via selected monitoring wells that served as bio-solution delivery ports.

CEI's July 18, 2013 application of the below described remedial additive and our subsequent groundwater monitoring was and shall be performed pursuant to the MCP's Section: 310 CMR 40.0046, entitled; "Application of Remedial Additives". Sub-Section 2.1 and the following Sub-Sections 2.2, 2.3, 2.4 and 2.5 discussed below are taken directly from and in the same order as per 310 CMR 40.0046 (a), (b), (c), (d) and (e).

We have prepared a groundwater contour and flow direction map. As anticipated, based on the topography and slope of the Property and the location and flow direction of the Wakinco River; the groundwater beneath the Property flows in a general north/northwesterly direction. Consequently; the most conservative Groundwater Protection Category GW-1 does not apply. The applicable Groundwater Protection Category is GW-2 (a conservative interpretation) and Category GW-3.

On July 18, 2013 CEI applied the below described bio-remedial solution (HydroRemed) to the underlying groundwater via seven monitoring wells that served as bio-solution delivery ports. The seven monitoring wells that were used as bio-solution delivery ports included: MW-101; MW-103, MW-104, MW-106, MW-VD, MW-105 and MW-108. Since the groundwater beneath the Property flows in a general north/northwesterly direction; well MW-102 is considered the upgradient well and well MW-107 is considered the downgradient well. Consequently; MW-102 and MW-107 were not used as bio-solution delivery ports and did not receive any of the herein described bio-solution.

The bio-remedial solution applied via the seven delivery ports on July 18, 2013 is a remedial product (HydroRemed) CEI is familiar with, has monitored in the past and has documented the successful, overtime, breakdown of petroleum hydrocarbons to concentrations below the applicable regulatory standards. The bio-remedial solution CEI applied is prepared and sold by Sarva Bio Remed, LLC (SBR) under the trade name "HydroRemed". Based on SBR's literature and the MSDS; HydroRemed is comprised of 95% non-chlorinated water, 2.5% vegetable oil and remaining dilute constituents comprised of essentially trace concentrations (6.8 ppm to 210 ppm) of nitrogen, phosphates, sodium and oil degrading or oleophilic bacteria. The oleophilic bacteria in HydroRemed are of marine origin. HydroRemed does not contain any bio-engineered bacteria. According to SBR; HydroRemed is a non-hazardous, non-pathogenic, dilute bacterial solution that has a pH between 5.5 and 6.9. The ecotoxicology test methods, according to EPA/600/4/-90/027F, identifies HydroRemed as not harmful to aquatic life if released or spilled into either a marine or fresh water environment.

Based on our review of the literature (a 2010 publication by SBR, entitled; "HydroRemed" and an October 7, 2013 publication by Elizabeth M. Young; entitled; "Ecology and Environment"); the remedial process of oleophilic bacteria or oil eating microbes (OEM) starts with the breakdown of all types of oil hydrocarbons into fatty acids. The fatty acids are then broken down into two types of atoms: carbon and energy. The bacteria then induces a citric acid cycle to finish "getting" the nutrients and energy, leaving only carbon, carbon dioxide and water as the remaining remedial by-products.

Regardless of the above presentation describing HydroRemed as being: non-pathogenic, non-hazardous, comprised of essentially, relatively low concentrations of dilute constituents in water and with the above presented, post remedial process by-products; CEI performed groundwater monitoring for the parameters (OHM and/or remedial additive by-products) and at the frequency presented in 310 CMR 40.0046 and 310 CMR 40.0047(3).

The collection and analysis of groundwater samples from the nine monitoring wells, as discussed herein, was performed using low flow techniques and pursuant to the requirements outlined in 310 CMR 40.0017.

Just before and since the September 8, 2013 ROS Report; CEI performed assessment tasks and groundwater sampling on July 18, 2013 (immediately before the bio-solution application), September 2, 2013, October 22, 2013 and February 22 and February 23, 2014. A discussion and explanation of the assessment tasks, the groundwater sampling and a summary of the analytical results is presented below in chronological order.

July 18, 2013

On July 18, 2013 CEI applied the above described, dilute bio-solution (i.e. HydroRemed) into the seven bio-solution delivery ports (MW-101, MW-103, MW-104, MW-106, MW-VD, MW-105 and MW-108).

Pursuant to 310 CMR 40.0046(4)(a) on March 13 and March 14, 2013 before the July 18, 2013 bio-solution application; CEI collected groundwater samples from the nine on Property wells for VPH and/or EPH analysis. The analytical results on the groundwater samples collected on March 13 and March 14, 2013 were reported in a March 28, 2013 Laboratory Report included with and summarized in the September 8, 2013 ROS Report. As discussed in the September 8, 2013 ROS; although the groundwater samples from certain wells were identified with petroleum hydrocarbon and VOC concentrations above the detection limit; the groundwater sample from well MW-106 was the only sample collected in March 2013 that was identified with a petroleum hydrocarbon concentration that exceeded the applicable MCP Method 1 Standards. The analytical results summarized on Tables 5 and 6 in the September 8, 2013 ROS Report are considered confirmation that the employed CRA operating overtime was, as designed and as expected, "nearing" achievement of the ultimate, remedial goal of decreasing the petroleum hydrocarbon and VOC concentrations in the groundwater beneath the Property to levels significantly less than the applicable MCP Method 1 Standards.

The July 18, 2013 field work on the Property included two tasks. The first task involved collecting groundwater samples from well MW-102 and well MW-107 for field testing and laboratory analysis. As presented above; well MW-102 and well MW-107, which did not receive any bio-solution, are located upgradient and downgradient, respectively, from the seven above listed monitoring wells used as bio-solution delivery ports on July 18, 2013.

The second task on July 18, 2013 involved groundwater sampling. Inspection of the retrieved see-through bailer from MW-102 and MW-107 did not identify any LNAPL. The visual and olfactory observations of the groundwater encountered in upgradient MW-102 did not identify any evidence of hydrocarbon or VOC contamination. However; the groundwater from downgradient MW-107 did emit a slight petroleum like odor.

The groundwater samples collected on July 18, 2013 from MW-102 and MW-107 were field tested via portable instrumentation for temperature, pH, specific conductance and dissolved oxygen. In addition; the groundwater samples collected on July 18, 2013 from MW-102 and MW-107 were submitted to the laboratory via chain-of-custody protocol for pH (also field tested), specific conductance (also field tested), dissolved oxygen (also field tested), surfactants, nitrate and total phosphorous analysis.

The lab (Geo-Labs, Inc.) received the groundwater samples mid day Friday July 19, 2013. The following week, the laboratory called to inform CEI that, as all involved were aware, the groundwater samples submitted for pH, specific conductance, dissolved oxygen, surfactant and nitrate from MW-102 and MW-107 all had relatively short holding times. Therefore; contrary to the verbal agreement of July 17, 2013; since July 19, 2013 was a summer Friday; the above referenced, relatively short holding times were allowed to lapse.

The laboratory analyzed the groundwater samples from MW-102 and MW-107 for total phosphorous and nitrate (as N). In addition, using the field instrumentation, there were results for temperature, pH, specific conductance and dissolved oxygen. The July 29, 2013 Laboratory Report presenting the results of the total phosphorous and nitrate analyses is included in Appendix A to this ROS Report. A summary of the analytical and field testing results is presented in tabular form on Table 7 included in Appendix B. In general; the analytical and field test results presented on Table 7 are not outside the expected ranges for the listed parameters.

September 2, 2013

On September 2, 2013 groundwater samples were collected from three of the on Property monitoring wells used as bio-solution delivery ports on July 18, 2013. Well MW-102 located in the front of the Property, where the underground gasoline storage tanks had been, is the most upgradient delivery port. Well MW-106 located in the central area of the Property, between where the former underground gasoline storage tanks had been and where the former above ground heating oil storage tanks had been, is the mid-point delivery port. Well MW-105 located in the back or north area of the Property, adjacent to where the aboveground heating oil storage tanks had been is the most downgradient delivery port. See Figure 2 for approximate locations of the wells and the former storage tanks.

Prior to sampling, our inspection of the retrieved see-through bailer from each well did not identify any LNAPL. The groundwater encountered in MW-101 had a slight petroleum-like odor. The groundwater encountered in well MW-106 and well MW-105 did not emit any petroleum like odor. However; the groundwater from all three of the wells did have a slight "filmy" or slight "greasy like" feel that CEI is familiar with having worked with bio-solutions, such as HydroRemed, previously. It has been our experience that this "filmy" or "greasy like" aspect which had been evident shortly after application of a bio-solution, starts to diminish after a short while and then disappears completely over time.

The groundwater sample collected from MW-101 was submitted to the laboratory for VPH analysis. The groundwater samples collected from MW-105 and MW-106 were submitted to the laboratory for EPH analysis. The resulting September 16, 2013 Laboratory Report is included in Appendix A. A summary of the laboratory results is presented on Tables 8A and 8B included in Appendix B.

A general comparison between the above discussed lab results on the groundwater samples collected from MW-101, MW-106 and MW-105 on September 2, 2013 and summarized on Table 8 with the previous lab results on the groundwater samples collected from MW-101, MW-106 and MW-105 on March 13 and March 14, 2013 and summarized on Table 5 and Table 6 is presented below. In general; unlike the previous March 2013 analytical results; the more recent September 2013 analytical results do not identify any petroleum hydrocarbon or VOC concentrations that exceed the applicable MCP Method 1, GW-2 or GW-3 Standards. In addition; when compared to the March 2013 analytical results; the more recent September 2013 analytical results identify an overall decrease in the petroleum hydrocarbon and VOC concentrations in the groundwater from wells MW-101, MW-106 and MW-105. A possible explanation of this general decrease in the petroleum hydrocarbon and VOC concentrations is the two-phase CRA which started operating in the summer of 2005. Another possible explanation could be the second bio-solution application on July 18, 2013.

Well MW-101, Sampled 9/2/13 (Table 8A & 8B) and 3/13/13 (Table 5) for VPH Analysis: As shown on Table 8; for well MW-101, none of the VPH or related VOC concentrations exceeds the MCP Method 1, GW-2 or GW-3 Standards. In general; the identified VPH and VOC concentrations presented on Table 8 were significantly less than the identified VPH and VOC concentrations presented on Table 5. Table 5 presents the laboratory analytical results on groundwater samples collected on March 13, 2013. It is significant to note that the 7,200 ppb (parts per billion or ug/L) of C9-C10 Aromatic Hydrocarbons presented on Table 5 decreased relatively significantly to 1,390 ppb (see Table 8). The MCP Method 1, GW-2 Standard for C9-C10 Aromatic Hydrocarbons is 7,000 ppb. Consequently; as shown on Table 5; the 7,200 ppb of C9-C10 Aromatic Hydrocarbons that had exceeded the applicable regulatory standard has, as shown on Table 8A and/or Table 8B, been decreased to 1,390 ppb a concentration significantly less than the applicable regulatory standard of 7,000 ppb.

Well MW-106, Sampled 9/2/13 (Table 8A & 8B) and 3/13/13 (Table 6) for EPH Analysis: As shown on Table 8; none of the EPH concentrations exceeded the MCP Method 1, GW-2 or GW-3 Standards. In general; the identified EPH concentrations presented on Table 8 for MW-106 were significantly less than the identified EPH concentrations presented on Table 6. Table 6 presents the laboratory analytical results on groundwater samples collected on March 14, 2013. It is significant to note that the 10,500 ppb of C11-C22 Aromatic Hydrocarbons presented on Table 6 markedly decreased to 405 ppb (refer to Tables 6 and 8). The MCP Method 1 GW-3 Standard for C11-C22 Aromatic Hydrocarbons is 5,000 ppb. Consequently; the 10,500 ppb of C11-C22 Aromatic Hydrocarbons that had exceeded the applicable regulatory standard has been decreased to a concentration significantly below the regulatory standard of 5,000 ppb.

Well MW-105, Sampled 9/2/13 (Table 8A & 8B) and 3/13/13 (Table 6) for EPH Analysis: As shown on Table 8; none of the identified EPH concentrations exceeded the MCP Method 1, GW-2 or GW-3 Standards. As also shown on Table 8; any EPH concentrations that were identified above the detection limit were at least one magnitude less than the applicable MCP Method 1, GW-2 or GW-3 Standards. Although the identified EPH concentrations presented on Table 8 were significantly less than the applicable MCP Method 1, GW-2 or GW-3 Standards; when compared to the previous results presented on Table 6 there was a relatively slight overall increase in the EPH concentrations when compared to the previous March 2013 results.

October 22, 2013

On October 22, 2013 about three months after application of the above described bio-solution into the seven on property delivery ports; CEI collected groundwater samples from three wells: MW-102, MW-VD and MW-107. As per 310 CMR 40.0046(4)(c); well MW-102 is the upgradient well that did not serve as a bio-solution delivery port, well MW-VD is a mid-point well that did serve as a bio-solution delivery port and well MW-107 is the downgradient well that did not serve as a bio-solution delivery port.

Inspection of the retrieved, see-through, bailer before sampling, from each well before sampling did not identify any LNAPL. The groundwater encountered in MW-VD and MW-107 had a very slight petroleum-like odor. The groundwater encountered in MW-102, the upgradient well, did not emit any petroleum like odor. Unlike the above described observations on September 2, 2013; the groundwater removed and assessed from MW-102, MW-VD and MW-107 did not have any "filmy" or "greasy like" feel.

The groundwater sample collected from MW-102 was submitted to the laboratory for VPH analysis. The groundwater samples collected from MW-VD and MW-107 were submitted to the laboratory for EPH analysis. In addition; the groundwater samples collected from all three wells was submitted to the laboratory for secondary parameters: NH₃, NO₃, heterotrophic plate count (HPC), surfactants (MBAS), specific conductance, orthophosphate (as P) and total phosphorous. Field assessment of the groundwater samples collected from the three wells included temperature and pH.

The resulting November 1, 2013 Laboratory Report on the samples collected on October 22, 2013 is included in Appendix A. The analytical results are presented on Tables 9A, 9B, and 9C included in Appendix B. A brief summary of the lab results and the field testing results is presented below.

A general comparison between the above discussed lab results on the groundwater samples collected on October 22, 2013 and summarized on Tables 9A, 9B and 9C and the previous lab results on the groundwater samples collected on March 13 and March 14, 2013 and summarized on Table 5 and Table 6 is also presented below:

Well MW-102, Sampled 10/22/13 (Table 9A, 9B & 9C) and Sampled 3/13/13 (Table 5) for VPH Analysis: As shown on Table 9B; the VPH and VOC analysis on the groundwater sample collected from upgradient well MW-102 on October 22, 2013 did not identify any VPH or VOC concentration above the stated reporting limits (RLs). The analytical findings presented on Tables 9B provide general confirmation of the previous March 2013 findings presented on Table 5 indicating that there are no VPH or VOC concentrations in the groundwater proximal to upgradient well MW-102 that exceed any of the RLs or even approach any of the Method 1, GW-2 and GW-3 Regulatory Standards.

Well MW-VD, Sampled 10/22/13 (Table 9A, 9B & 9C) and Sampled 3/14/13 (Table 6) for EPH Analysis: As shown on Table 9C; EPH analysis on the groundwater sample collected from mid-point well MW-VD on October 22, 2013 did not identify any EPH concentrations that exceeded the applicable MCP Method 1, GW-2 or GW-3 Regulatory Standards. The analytical findings presented on Table 9C provide general confirmation of the previous March 2013 findings presented on Table 6; that there are no EPH concentrations in the groundwater proximal to mid-point well MW-VD that exceed the applicable MCP Method 1, Regulatory Standards.

Well MW-107, Sampled 10/22/13 (Table 9A, 9B & 9C) and Sampled 3/14/13 (Table 6) for EPH Analysis: As shown on Table 9C; EPH analysis on the groundwater sample collected from downgradient well MW-107 on October 22, 2013 did not identify any EPH concentrations above the stated RLs or the applicable MCP Method 1, GW-2 or GW-3 Regulatory Standards. The analytical findings presented on Table 9C identify a relatively significant overall decrease in the EPH concentrations in well MW-107 when compared to the previous analytical results on the groundwater sample collected from MW-107 on March 14, 2013 and presented on Table 6. It is significant to note that although there has been an overall decrease in EPH concentrations since the previous March 2013 sampling; the laboratory analysis on the groundwater samples collected from MW-107 during March 2013 also did not identify any EPH concentrations that exceeded the MCP Method 1, GW-2 and GW-3 Regulatory Standards.

As referenced above; in addition to analyzing the groundwater samples collected from MW-102, MW-VD and MW-107 for EPH or VPH concentrations; the groundwater samples from the three wells were also submitted to the laboratory, under chain-of-custody protocol, for secondary parameters: NH₃, NO₃, HPC, surfactants, specific conductance, orthophosphate (as P) and total phosphorous. Using portable instrumentation; field assessment of the three groundwater samples included temperature and pH. The results of the laboratory analyses are presented in the November 1, 2013 Lab Report included in Appendix A. A tabular summary of all the analytical results and the field test results is presented in tabular form on Table 9A, 9B and 9C all included in Appendix B.

The analytical and field testing results summarized on Table 9A relative to mid-point well MW-VD and downgradient well MW-107 are not outside the expected ranges for the presented parameters. Upgradient well MW-102 had, as expected, no VPH or VOC concentrations above the RL. However, certain secondary parameters (e.g. NH₃, specific conductance and total phosphorous) were identified at a concentration somewhat above the expected range. One explanation for this finding could be related to the location of heavily traveled Main Street less than 30 feet south of well MW-102. Additional investigation of this unexpected finding relative to MW-102 will occur during the next sampling round when the groundwater sample collected from upgradient well MW102 will be submitted to the laboratory for the same secondary parameters listed above.

February 22 and February 23, 2014

On February 22, 2014 groundwater samples were collected from the four monitoring wells located in the south or front portion of the Property where the former Texaco Service Station and the former underground gasoline storage tanks had been. As shown on Figure 2; the four monitoring wells located in the front area of the Property include: MW-101, MW-102, MW-103 and MW-104. Since the four wells are located in the front area of the property, where on July 26, 1999 the DEP was notified of a release of gasoline identified during removal of the former underground gasoline storage tanks; the four groundwater samples collected on February 22, 2014 were submitted under chain-of-custody protocol to a state certified laboratory for VPH and the associated VOC analysis.

One day later on February 23, 2014 groundwater samples were collected from the five monitoring wells located in the north or rear portion of the Property where the former Franconia Hurley Lumbertown Heating Oil Company operated and the associated, commercial size, above ground heating oil storage tanks had been. The five groundwater monitoring wells include MW-VD, MW-105, MW-106, MW-107 and MW-108. Since the five wells are located in the rear area of the property where on February 15, 1996 the DEP was notified of a release of apparent heating oil to the groundwater at a location directly north of the former above ground heating oil storage tanks; the groundwater samples collected from MW-VD, MW-105, MW-106, MW-107 and MW-108 on February 23, 2014 were submitted to a state certified laboratory for EPH analysis.

Monitoring wells MW-106 and MW-VD are located in the central area of the Property, between the former gasoline storage tanks and the former heating oil storage tanks, the groundwater samples collected from MW-106 and MW-VD were, in addition to EPH analysis, also submitted for VPH and VOC analysis.

Inspection of the retrieved bailer from each of the nine wells, before sample collection, did not identify any LNAPL. In addition; our visual and olfactory observations of the groundwater encountered in each of the nine monitoring wells did not identify evidence of any petroleum hydrocarbon or VOC contamination.

As described above; during the September 2, 2013 sampling; CEI observed and noted a "filmy" or "greasy like" feel on the groundwater removed from MW-101, MW-105 and MW-106. As discussed the "filmy" or "greasy like" feel to groundwater is not unexpected when a bio-solution has been recently applied to the groundwater as a remedial additive. Of the nine monitoring wells sampled and assessed on February 22 and February 23, 2014; MW-101 was the only well where the groundwater was observed to have what was noted as a very slight "filmy" or "greasy like" feel. As indicated; the observed, very slight "greasy like" feel noted on the MW-101 groundwater on February 22, 2014 was very much diminished when compared to the "greasy like" feel first noted and documented on the MW-101 groundwater back on September 2, 2013. Based on our prior experience with bio-remediation; it is our expectation that the referenced, slight "greasy like" feel on the MW-101 groundwater will diminish and then disappear in a relatively short period of time.

The above discussed groundwater samples collected on February 22 and February 23, 2014 were submitted to the laboratory for VPH (including VOCs) analysis and/or EPH analysis. The two Laboratory Reports dated March 3 and March 5, 2014 are included in Appendix A. A summary of the laboratory analytical results are presented on Table 10 and Table 11 included in Appendix B. A brief discussion of the analytical results on the nine groundwater samples collected on February 22 and February 23, 2014 is presented below.

As indicated on Table 10 and Table 11; analysis of the groundwater samples from all nine of the on Property wells did not identify any petroleum hydrocarbon or VOC concentrations that exceeded any of the MCP Method 1, GW-2 or GW-3 Standards. These findings indicate that the herein described two-phase CRA (with emphasis on the recently enhanced bio-remediation system) operating overtime, as designed and as expected, has resolved the herein referenced petroleum hydrocarbon releases first reported to the DEP back on February 15, 1996 and again on July 26, 1999. As referenced; the two releases had separate RTNs that have since been linked as RTN: 4-11961 only.

The analytical results summarized on Tables 10 and 11 are considered further and additional confirmation that the employed two-phase CRA (with emphasis on the recently enhanced bio-remediation system) operating overtime, as designed and as expected, has resolved the herein referenced petroleum hydrocarbon and VOC releases first reported to the DEP back in February 15, 1996 and July 26, 1999. The remedial goal of the two-phase CRA was to achieve a level of no significant risk by decreasing the concentrations of the petroleum hydrocarbons and VOCs released to the subsurface environment at the Property to concentrations below the applicable MCP Method I, Standards resulting in a permanent solution achieved pursuant to the applicable requirements of the MCP. Achievement of the remedial goal, as summarized, is expected to result in the preparation and submission of a RAO Report.

2.2 Description of Significant Modifications of the Operation, Maintenance and/or Monitoring Program since the Preceding ROS Report - 310 CMR 40.0892(2)(b)

The most recent significant modification of the operation, maintenance and monitoring of the on going CRA was the second application of the bio-solution to the underlying groundwater that occurred on July 18, 2013. That July 18, 2013 application of the bio-solution as a remedial additive and the subsequent monitoring program was presented and discussed in the previous September 8, 2013 ROS Report and also herein (see above Section 2.1).

2.3 Evaluation of the Performance of the Remedial Action since the Last ROS Report - 310 CMR 40.0892(2) (c)

As discussed above in Section 2.1 of this ROS Report; laboratory analysis of the groundwater samples collected from the on Property monitoring wells on three dates since the last ROS Report have provided further, additional confirmation that the two-phase CRA (with emphasis on the recently enhanced bio-remediation system) operating over time, as designed and as expected, has reduced the elevated petroleum hydrocarbon and VOC concentrations that had been identified in the subsurface environment beneath the Property to concentrations significantly below the MCP Method 1 Standards. Consequently; the overtime, performance of the two-phase CRA has achieved the ultimate remedial goal of reaching a Level of No Significant Risk.

2.4 Description of any Correction Measures - 310 CMR 40.0892(2) (d)

Since submission of the previous ROS Report; CEI has not identified any issues, problems or conditions that have affected the performance of the remedial action.

2.5 The LSP of Record – 310 CMR 40.0892(2) (e)

As presented above in Section 1.1 of this ROS Report and as indicated on the attached DEP Transmittal Form BWSC-108; pursuant to 310 CMR 40.0169(2); an August 19, 2012 Letter submitted to the DEP served as formal notification that, on behalf of Finbar, LLC, going forward, the LSP of Record for the RTN 4-11961 is Mr. Neal Carey (LSP No. 5521).

3.0 REMEDIAL MONITORING REPORT 310 CMR 40.0892(3)

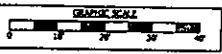
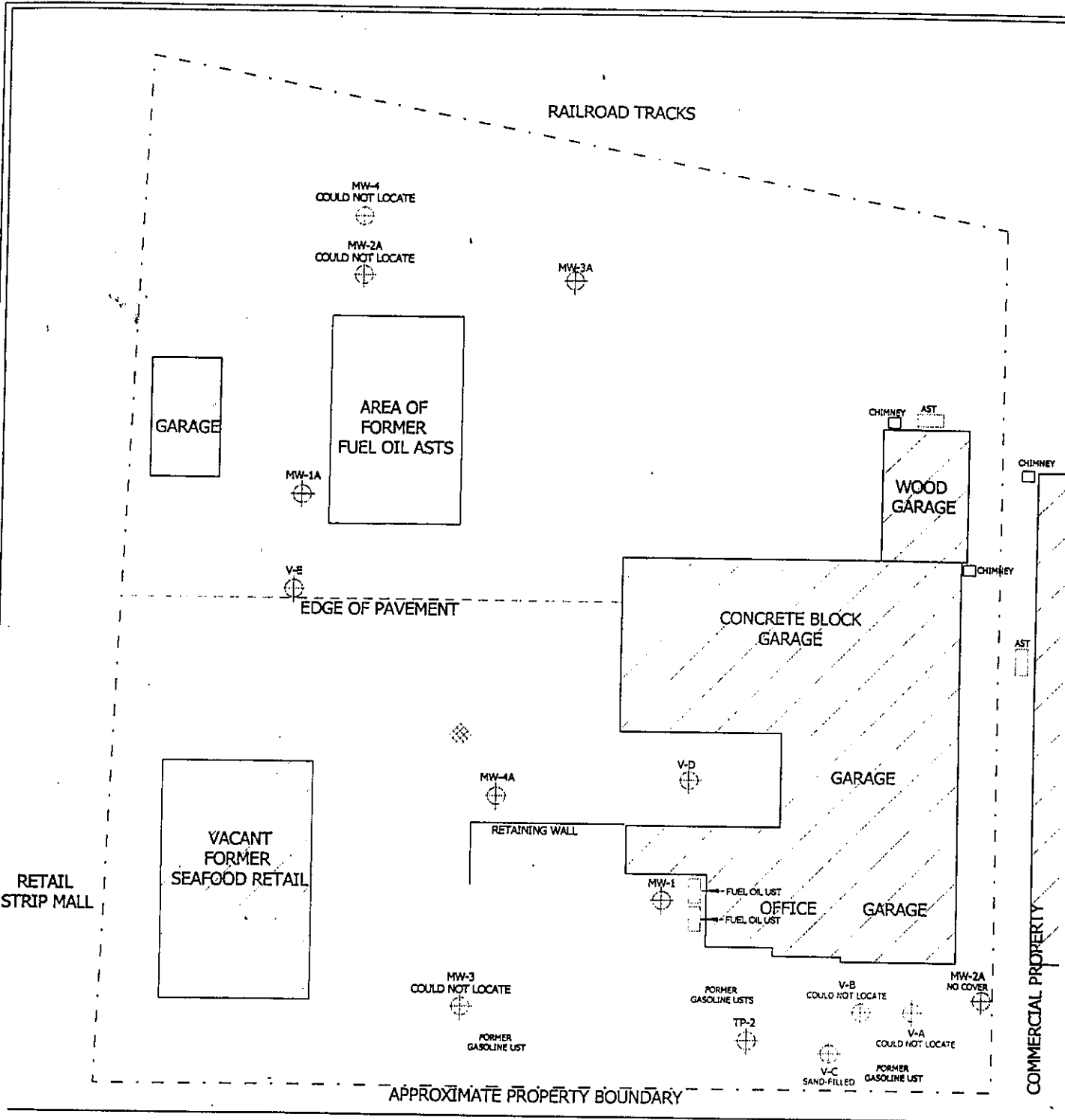
Section 40.0892(3) of the MCP requires submittal of a Remedial Monitoring Report (RMR) for Disposal Sites where active operation and maintenance of a CRA is being conducted. As detailed above; the first of the two-phase CRA selected for this Disposal Site (as per the July 2003 RIP) is a program of in situ bio-remediation involving the application of a remedial additive (bio-solution) into selected monitoring wells used as injection points. This first application of the bio-solution during the summer of 2005 was followed by monitored natural attenuation.

As summarized herein; a second application of the bio-solution occurred on July 18, 2013. The application of the bio-solution followed by monitored natural attenuation is considered an active remedial program that requires preparation and submission of a RMR. The information required for a RMR (as per 310 CMR 40.0027 and 310 CMR 40.0892), that is applicable and specific to this Disposal Site (RTN: 4-11961), has been incorporated into this ROS Report; including the attached Site Plan, the Laboratory Reports (Appendix A), the Analytical Tables (Appendix B) and Transmittal Form BWSC-108.

4.0 CONCLUDING STATEMENT

This ROS Report was prepared on behalf of and with full knowledge of Mr. Michael Fitzgerald, Manager of Finbar, LLC. Compliance Environmental Inc. (CEI) prepared this ROS Report and the associated Transmittal BWSC-108 based on Property inspections and monitoring of the CRA that was performed since submission of the preceding ROS Report. The ROS Report was prepared in accordance with the applicable requirements of 310 CMR 40.0890.

FIGURE



ALL FEATURES AND LOCATIONS SHOWN APPROXIMATE

CHAPEL STREET

LORD ASSOCIATES, INC.
 1506 Providence Highway, Suite 30
 Norwood, MA 02062-4647
 (781) 255-5554

- LEGEND**
- STORM DRAIN
 - MONITORING WELL
 - SOIL BORING



SITE PLAN	
377 MAIN STREET WAREHAM, MASSACHUSETTS	
SCALE: 1"=40' APPROX.	DRAWN BY: NLF
DATE: APRIL 2010	EDITS:

Appendix A
Laboratory Reports

ANALYTICAL REPORT



Monday, July 29, 2013

Joseph Hobin
Compliance Environmental
11 Bearcourt Dr.
P.O. Box 1749
Attleboro, MA 02703-0031

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

TEL: (508) 223-3812

FAX: (508) 223-3565

Project: Wareham

Location:

Order No.: 1307196

Dear Joseph Hobin:

GeoLabs, Inc. received 2 sample(s) on 7/19/2013 for the analyses presented in the following report.

The laboratory results in this report relate only to samples submitted.

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

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

Sincerely,

A handwritten signature in black ink that reads "David Mick".

David Mick
Laboratory Director

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

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - RI (LA000252)

Accredited in Accordance with NELAC

Date: 29-Jul-13

CLIENT: Compliance Environmental
Project: Wareham
Lab Order: 1307196

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)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

Nitrate was analyzed outside of holding time.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 07/29/13

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 29-Jul-13

CLIENT: Compliance Environmental
Lab Order: 1307196
Project: Wareham
Lab ID: 1307196-001

Client Sample ID: MW-102
Collection Date: 7/18/2013 3:30:00 PM
Date Received: 7/19/2013
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
-----------------	---------------	-------------------	-------------	--------------	-----------	----------------------

NITRATE - L10-107-04-1-C

Analyst: RP

Prep Method:	Prep Date:					
Nitrate (as N)	1.58	0.0200	H	mg/L	1	7/26/2013 12:51:00 PM

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Prep Method:	Prep Date:					
Total Phosphorous	0.684	0.200		mg/L	1	7/29/2013

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reported Date: 29-Jul-13

CLIENT: Compliance Environmental
Lab Order: 1307196
Project: Wareham
Lab ID: 1307196-002

Client Sample ID: MW-107
Collection Date: 7/18/2013 5:00:00 PM
Date Received: 7/19/2013
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
-----------------	---------------	-------------------	-------------	--------------	-----------	----------------------

NITRATE - L10-107-04-1-C

Analyst: RP

Prep Method:	Prep Date:
Nitrate (as N)	
0.311	0.0200
H	mg/L
1	7/26/2013 12:51:00 PM

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Prep Method:	Prep Date:
Total Phosphorous	
0.316	0.200
	mg/L
1	7/29/2013

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

CHAIN OF CUSTODY

GeoLabs CHAIN NUMBER:

GeoLabs, Inc.
 Environmental Laboratories
 45 Johnson Lane
 Braintree, MA 02184
 Office: 781-848-7844
 Fax: 781-848-7811

Page 1 of 1

SPECIAL INSTRUCTIONS

mail LAB REPORT
 BE AWARE PLEASE

Note: JOBS WITH INCOMPLETELY FILLED OUT CHAINS WILL NOT BE RUN. CHAIN WILL BE RETURNED TO CLIENT FOR COMPLETION

TYPE OF CLIENT: BUS LAB HOMEOWNER **NOTE: HOMEOWNERS, LAW FIRMS MUST PAY WHEN DROPPING OFF SAMPLES**

Client: X COMPLIANCE ENV. Project Number: X

Address: XIL BEACONPORT NO P.O. BOXES Project Location: X WAREHAM

Phone: X 508-223-3800

Fax: MAIL RECD

Contact: X JOE HOBIN

E-mail: MAIL REP

CHANGES REQUESTED? Y N

DATE

ASAP
 WITHIN 24 HRS.

Received on ice?

ANALYSES REQUESTED

ANALYSES REQUESTED	PH	DISSOLVED OXYGEN	SURFACTANTS	NITRATE	NITROGEN	SPECIFIC CONDUCTANCE	TOTAL PHOSPHATE	TEMPERATURE	LAB PH
	X	X	X	X	X	X	X		
	X	X	X	X	X	X	X		

Left message for Joe Hobin, holding samples until we hear from him - out of holding time (24hrs)

Diss. Oxygen / PH - 15min.
 Surfactants 48hrs.
 NO2/NO3 48hrs.

Verbal results given to

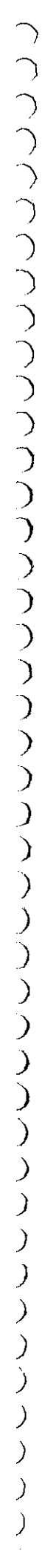
MATRIX CODES:	CONTAINER CODES:	PRESERVATIVE CODES:
GW = Ground Water	A = Amber B = Bag	1 = HCl 5 = NaOH
WW = Wastewater	G = Glass P = Plastic	2 = HNO3 6 = MeOH
DW = Drinking Water	S = Summa Canister	3 = H2SO4 7 = ICE
SL = Sludge	O = Other V = VOA	4 = Na2S2O3

Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection costs.

Received By: *Joe Hobin* Date/Time: 7/19/13 11:13 AM

Received By: *Joe Hobin*

Received By: *Joe Hobin* Date/Time: 7/19/13 4:30 PM



ANALYTICAL REPORT



Monday, September 16, 2013

Joseph Hobin
Compliance Environmental
11 Bearcourt Dr.
P.O. Box 1749
Attleboro, MA 02703-0031

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

TEL: (508) 223-3812
FAX: (508) 223-3565

Project:
Location: Main St, Wareham

Order No.: 1309016

Dear Joseph Hobin:

GeoLabs, Inc. received 3 sample(s) on 9/4/2013 for the analyses presented in the following report.

The laboratory results in this report relate only to samples submitted. 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,

A handwritten signature in black ink that reads "David Mick". The signature is fluid and cursive, written over a white background.

David Mick
Laboratory Director

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

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - RI (LA000252)

Mass DEP Analytical Protocol - Certified Reporting

Laboratory Name: GeoLabs, Inc. Project #: _____

Project Location: Main Street Wareham RTN: _____

This Form provides certification for the following data set: 1309016 (001-003)

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A <input type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH CAM IV A <input checked="" type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input checked="" type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	VPH, EPH, APH and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications.) b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H, and I below are required for "Presumptive Certainty" status

G Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? Yes No¹

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2) (k) and WSC-07-350.

H Were all QC performance standards in specified in the CAM protocol(s) achieved? Yes No¹

I Were results reported for the complete analyte list specified in the selected CAM protocol(s)? Yes No¹

¹ All negative responses must be addressed in an attached laboratory narrative.

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: *David Mick* Position: Laboratory Director

Printed Name: David Mick Date: 09/16/13

Date: 16-Sep-13

CLIENT: Compliance Environmental

Project:

Lab Order: 1309016

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.

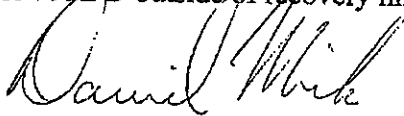
Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

VPH C9-C10 Aromatic Hydrocarbons are reported with an 'E' value. A 10x dilution was performed, however the result was ND at this dilution.

See VPH LCSD for % RPD outside of recovery limits.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 09/16/13

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental

Project:

Lab Order: 1309016

CASE NARRATIVE

EPH Methods

Method for Ranges: MADEP EPH 04-1.1

Method for Target Analytes: 8270 GC/MS

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

C11-C22 Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes

CERTIFICATION:

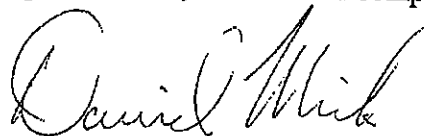
Were all QA/QC procedures REQUIRED by the EPH Method followed? YES

Were all performance/acceptance standards achieved? YES

Were any significant modifications made to the EPH method? 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 and belief, accurate and complete.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 09/16/13

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental

Project:

Lab Order: 1309016

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1

Method for Target Analytes: MADEP VPH 04-1.1

Soil sample(s) were received in MeOH and soil was completely covered by MeOH.

Soil sample(s) ratio 1:1 +/- 25%

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)

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: David Mick

DATE: 09/16/13

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 16-Sep-13

CLIENT: Compliance Environmental
Lab Order: 1309016
Project:
Lab ID: 1309016-001

Client Sample ID: MW-101
Collection Date: 9/2/2013 1:00:00 PM
Date Received: 9/4/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VPH - MADEP VPH

Analyst: ZC

Prep Method:	Prep Date:					
C9-C10 Aromatic Hydrocarbons	1390	100	E	µg/L	1	9/10/2013 8:09:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	731	100		µg/L	1	9/10/2013 8:09:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	1430	1000		µg/L	10	9/11/2013 10:11:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	9/10/2013 8:09:00 AM
Benzene	ND	1.00		µg/L	1	9/10/2013 8:09:00 AM
Toluene	17.8	1.00		µg/L	1	9/10/2013 8:09:00 AM
Ethylbenzene	124	1.00		µg/L	1	9/10/2013 8:09:00 AM
m,p-Xylene	275	1.00		µg/L	1	9/10/2013 8:09:00 AM
o-Xylene	81.7	1.00		µg/L	1	9/10/2013 8:09:00 AM
Naphthalene	ND	1.00		µg/L	1	9/10/2013 8:09:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	713	100		µg/L	1	9/10/2013 8:09:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	9/10/2013 8:09:00 AM
Surr: 2,5-Dibromotoluene FID	86.4	70-130		%REC	1	9/10/2013 8:09:00 AM
Surr: 2,5-Dibromotoluene FID	88.3	70-130		%REC	10	9/11/2013 10:11:00 AM
Surr: 2,5-Dibromotoluene PID	106	70-130		%REC	10	9/11/2013 10:11:00 AM
Surr: 2,5-Dibromotoluene PID	115	70-130		%REC	1	9/10/2013 8:09:00 AM

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

ANALYTICAL REPORT

Reported Date: 16-Sep-13

CLIENT: Compliance Environmental
 Lab Order: 1309016
 Project:
 Lab ID: 1309016-002

Client Sample ID: MW-106
 Collection Date: 9/2/2013 2:15:00 PM
 Date Received: 9/4/2013
 Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EPH RANGES - MADEP EPH

Analyst: KG

Prep Method: (eph_Wpr)	Prep Date: 9/5/2013 8:48:50 AM				
Adjusted C11-C22 Aromatics	405	101		µg/L	9/9/2013
C09-C18 Aliphatics	234	101		µg/L	9/9/2013
C19-C36 Aliphatics	350	101		µg/L	9/9/2013
Unadjusted C11-C22 Aromatics	410	101		µg/L	9/9/2013
Surr: 1-Chlorooctadecane	75.5	40-140		%REC	9/9/2013
Surr: o-Terphenyl	78.7	40-140		%REC	9/9/2013

EPH TARGET ANALYTES - MADEP EPH

Analyst: Jsl

Prep Method: (eph_Wpr)	Prep Date: 9/5/2013 8:48:50 AM				
Naphthalene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
2-Methylnaphthalene	1.48	1.01		µg/L	9/9/2013 1:14:00 PM
Acenaphthene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Phenanthrene	3.97	1.01		µg/L	9/9/2013 1:14:00 PM
Acenaphthylene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Fluorene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Anthracene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Fluoranthene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Pyrene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Benzo(a)Anthracene	ND	0.404		µg/L	9/9/2013 1:14:00 PM
Chrysene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Benzo(b)Fluoranthene	ND	0.202		µg/L	9/9/2013 1:14:00 PM
Benzo(k)Fluoranthene	ND	0.202		µg/L	9/9/2013 1:14:00 PM
Benzo(a)Pyrene	ND	0.192		µg/L	9/9/2013 1:14:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.404		µg/L	9/9/2013 1:14:00 PM
Dibenz(a,h)Anthracene	ND	0.404		µg/L	9/9/2013 1:14:00 PM
Benzo(g,h,i)Perylene	ND	1.01		µg/L	9/9/2013 1:14:00 PM
Total PAH Target Concentration	5.45	0.202		µg/L	9/9/2013 1:14:00 PM
Surr: 2,2-Difluorobiphenyl	96.0	40-140		%REC	9/9/2013 1:14:00 PM
Surr: 2-Fluorobiphenyl	62.5	40-140		%REC	9/9/2013 1:14:00 PM

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

ANALYTICAL REPORT

Reported Date: 16-Sep-13

CLIENT: Compliance Environmental
 Lab Order: 1309016
 Project:
 Lab ID: 1309016-003

Client Sample ID: MW-105
 Collection Date: 9/2/2013 3:00:00 PM
 Date Received: 9/4/2013
 Matrix: GROUNDWATER

Analyses Result RL Qual Units DF Date Analyzed

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	Prep Date:	9/5/2013 8:48:50 AM		
Adjusted C11-C22 Aromatics	744	102	µg/L	1	9/9/2013
C09-C18 Aliphatics	724	102	µg/L	1	9/9/2013
C19-C36 Aliphatics	251	102	µg/L	1	9/9/2013
Unadjusted C11-C22 Aromatics	793	102	µg/L	1	9/9/2013
Surr: 1-Chlorooctadecane	80.4	40-140	%REC	1	9/9/2013
Surr: o-Terphenyl	83.8	40-140	%REC	1	9/9/2013

EPH TARGET ANALYTES - MADEP EPH

Analyst: Jsi

Prep Method:	(eph_Wpr)	Prep Date:	9/5/2013 8:48:50 AM		
Naphthalene	16.3	1.02	µg/L	1	9/9/2013 1:47:00 PM
2-Methylnaphthalene	26.3	1.02	µg/L	1	9/9/2013 1:47:00 PM
Acenaphthene	1.34	1.02	µg/L	1	9/9/2013 1:47:00 PM
Phenanthrene	4.33	1.02	µg/L	1	9/9/2013 1:47:00 PM
Acenaphthylene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Fluorene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Anthracene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Fluoranthene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Pyrene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Benzo(a)Anthracene	ND	0.408	µg/L	1	9/9/2013 1:47:00 PM
Chrysene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Benzo(b)Fluoranthene	ND	0.204	µg/L	1	9/9/2013 1:47:00 PM
Benzo(k)Fluoranthene	ND	0.204	µg/L	1	9/9/2013 1:47:00 PM
Benzo(a)Pyrene	ND	0.194	µg/L	1	9/9/2013 1:47:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.408	µg/L	1	9/9/2013 1:47:00 PM
Dibenz(a,h)Anthracene	ND	0.408	µg/L	1	9/9/2013 1:47:00 PM
Benzo(g,h,i)Perylene	ND	1.02	µg/L	1	9/9/2013 1:47:00 PM
Total PAH Target Concentration	48.3	0.204	µg/L	1	9/9/2013 1:47:00 PM
Surr: 2,2-Difluorobiphenyl	94.4	40-140	%REC	1	9/9/2013 1:47:00 PM
Surr: 2-Fluorobiphenyl	76.7	40-140	%REC	1	9/9/2013 1:47:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 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 QC SUMMARY REPORT

Date: 16-Sep-13

CLIENT: Compliance Environmental
 Work Order: 1309016
 Project:

TestCode: EPHP_W

Sample ID:	MB-22883	Sample Type:	MBLK	TestCode:	EPHP_W	Units:	µg/L	Prep Date:	9/5/2013	RunNo:	51743
Client ID:	ZZZZ	Batch ID:	22883	TestNo:	MADEP EPH_ (eph_Wpr)	SPK value	SPK Ref Val	Analysis Date:	9/4/2013	SeqNo:	584263
Analyte	Result	PQL	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Naphthalene	ND	1.00									
2-Methylnaphthalene	ND	1.00									
Acenaphthene	ND	1.00									
Phenanthrene	ND	1.00									
Acenaphthylene	ND	1.00									
Fluorene	ND	1.00									
Anthracene	ND	1.00									
Fluoranthene	ND	1.00									
Pyrene	ND	1.00									
Benzo(a)Anthracene	ND	0.400									
Chrysene	ND	1.00									
Benzo(b)Fluoranthene	ND	0.200									
Benzo(k)Fluoranthene	ND	0.200									
Benzo(a)Pyrene	ND	0.190									
Indeno(1,2,3-cd)Pyrene	ND	0.400									
Dibenz(a,h)Anthracene	ND	0.400									
Benzo(g,h,i)Perylene	ND	1.00									
Total PAH Target Concentration	0.7300	0.200									
Surr. 2,2-Difluorobiphenyl	22.72	0	90.9	40	40	140					
Surr. 2-Fluorobiphenyl	14.43	0	57.7	40	40	140					
Sample ID:	LCS-22883	Sample Type:	LCS	TestCode:	EPHP_W	Units:	µg/L	Prep Date:	9/5/2013	RunNo:	51743
Client ID:	ZZZZ	Batch ID:	22883	TestNo:	MADEP EPH_ (eph_Wpr)	SPK value	SPK Ref Val	Analysis Date:	9/4/2013	SeqNo:	584264
Analyte	Result	PQL	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Naphthalene	21.73	1.00	43.5	40	40	140					

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental
 Work Order: 1309016
 Project:

TestCode: EPHP_W

Sample ID: LCS-22883	Sample Type: LCS	TestCode: EPHP_W	Units: µg/L	Prep Date: 9/5/2013	RunNo: 51743						
Client ID: ZZZZ	Batch ID: 22883	TestNo: MADEP EPH_ (eph_wpr)		Analysis Date: 9/4/2013	SeqNo: 584264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	26.81	1.00	50	0	53.6	40	140				
Acenaphthene	29.82	1.00	50	0	59.6	40	140				
Phenanthrene	37.60	1.00	50	0	75.2	40	140				
Acenaphthylene	27.80	1.00	50	0	55.6	40	140				
Fluorene	36.18	1.00	50	0	72.4	40	140				
Anthracene	34.05	1.00	50	0	68.1	40	140				
Fluoranthene	39.27	1.00	50	0	78.5	40	140				
Pyrene	41.99	1.00	50	0	84.0	40	140				
Benzo(a)Anthracene	38.52	0.400	50	0	77.0	40	140				
Chrysene	38.56	1.00	50	0	77.1	40	140				
Benzo(b)Fluoranthene	37.62	0.200	50	0	75.2	40	140				
Benzo(k)Fluoranthene	40.99	0.200	50	0	82.0	40	140				
Benzo(a)Pyrene	36.88	0.190	50	0	73.8	40	140				
Indeno(1,2,3-cd)Pyrene	36.68	0.400	50	0	73.4	40	140				
Dibenz(a,h)Anthracene	37.52	0.400	50	0	75.0	40	140				
Benzo(g,h,i)Perylene	39.20	1.00	50	0	78.4	40	140				
Total PAH Target Concentration	601.2	0.200									
Surr: 2,2-Difluorobiphenyl	23.21	0	25	0	92.8	40	140				
Surr: 2-Fluorobiphenyl	15.19	0	25	0	60.8	40	140				

Sample ID: LCS-22883	Sample Type: LCSD	TestCode: EPHP_W	Units: µg/L	Prep Date: 9/5/2013	RunNo: 51743						
Client ID: ZZZZ	Batch ID: 22883	TestNo: MADEP EPH_ (eph_wpr)		Analysis Date: 9/4/2013	SeqNo: 584265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	20.25	1.00	50	0	40.5	40	140				
2-Methylnaphthalene	24.45	1.00	50	0	48.9	40	140				
Acenaphthene	25.99	1.00	50	0	52.0	40	140				

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental
 Work Order: 1309016
 Project:

TestCode: EPHP_W

Sample ID: LCS2-22883	Sample Type: LCSD	TestCode: EPHP_W	Units: µg/L	Prep Date: 9/5/2013	RunNo: 51743						
Client ID: ZZZZ	Batch ID: 22883	TestNo: MADEP EPH_ (epi_wpr)		Analysis Date: 9/4/2013	SeqNo: 584265						
Analyte	Result	FQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	31.72	1.00	50	0	63.4	40	140				
Acenaphthylene	24.38	1.00	50	0	48.8	40	140				
Fluorene	30.91	1.00	50	0	61.8	40	140				
Anthracene	29.53	1.00	50	0	59.1	40	140				
Fluoranthene	32.56	1.00	50	0	65.1	40	140				
Pyrene	33.41	1.00	50	0	66.8	40	140				
Benzo(a)Anthracene	32.28	0.400	50	0	64.6	40	140				
Chrysene	33.05	1.00	50	0	66.1	40	140				
Benzo(b)Fluoranthene	32.40	0.200	50	0	64.8	40	140				
Benzo(k)Fluoranthene	34.11	0.200	50	0	68.2	40	140				
Benzo(a)Pyrene	31.49	0.190	50	0	63.0	40	140				
Indeno(1,2,3-cd)Pyrene	30.38	0.400	50	0	60.8	40	140				
Dibenz(a,h)Anthracene	30.83	0.400	50	0	61.7	40	140				
Benzo(g,h,i)Perylene	32.36	1.00	50	0	64.7	40	140				
Total PAH Target Concentration	510.1	0.200									
Surr: 2,2-Difluorobiphenyl	25.57	0	25	0	102	40	140				
Surr: 2-Fluorobiphenyl	16.74	0	25	0	67.0	40	140				

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental
 Work Order: 1309016
 Project:

TestCode: eph_t_w

Sample ID: MB-22883	Batch ID: ZZZZ	SampType: mbk	TestCode: eph_t_w	Units: µg/L	Prep Date: 9/5/2013	RunNo: 51789					
Client ID: ZZZZ		Batch ID: 22883	TestNo: MADEP EPH	(eph_Wpr)	Analysis Date: 9/6/2013	SeqNo: 584929					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adjusted C11-C22 Aromatics	ND	100									
C09-C18 Aliphatics	ND	100									
C19-C36 Aliphatics	ND	100									
Unadjusted C11-C22 Aromatics	ND	100									
Surr: 1-Chlorooctadecane	87.54	0	100	0	87.5	40	140				
Surr: o-Terphenyl	79.32	0	100	0	79.3	40	140				

Sample ID: LCS-22883	Batch ID: ZZZZ	SampType: Lcs	TestCode: eph_t_w	Units: µg/L	Prep Date: 9/5/2013	RunNo: 51789					
Client ID: ZZZZ		Batch ID: 22883	TestNo: MADEP EPH	(eph_Wpr)	Analysis Date: 9/6/2013	SeqNo: 584930					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C09-C18 Aliphatics	ND	100	100	0	48.4	40	140				
C19-C36 Aliphatics	102.7	100	100	0	103	40	140				
Unadjusted C11-C22 Aromatics	ND	100	100	0	94.0	40	140				
Surr: 1-Chlorooctadecane	69.52	0	100	0	69.5	40	140				
Surr: o-Terphenyl	95.38	0	100	0	95.4	40	140				

Sample ID: LCS2-22883	Batch ID: ZZZZ	SampType: Lcsd	TestCode: eph_t_w	Units: µg/L	Prep Date: 9/5/2013	RunNo: 51812					
Client ID: ZZZZ		Batch ID: 22883	TestNo: MADEP EPH	(eph_Wpr)	Analysis Date: 9/9/2013	SeqNo: 584939					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C09-C18 Aliphatics	ND	100	100	0	63.6	40	140	48.41	0	25	
C19-C36 Aliphatics	118.4	100	100	0	118	40	140	102.7	14.2	25	
Unadjusted C11-C22 Aromatics	ND	100	100	0	89.8	40	140	93.99	0	25	
Surr: 1-Chlorooctadecane	107.2	0	100	0	107	40	140	0	0	0	
Surr: o-Terphenyl	79.64	0	100	0	79.6	40	140	0	0	0	

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental
 Work Order: 1309016
 Project:

TestCode: VPH_W2

Sample ID: MBLK SampType: MBLK TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 51872
 Client ID: ZZZZ Batch ID: R51872 TestNo: VPH
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C9-C10 Aromatic Hydrocarbons	ND	100									
Unadjusted C5-C8 Aliphatic Hydrocarb	ND	100									
Unadjusted C9-C12 Aliphatic Hydrocar	ND	100									
Methyl Tert-Butyl Ether	ND	1.00									
Benzene	ND	1.00									
Toluene	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Naphthalene	ND	1.00									
Adjustments for C5-C8 Aliphatics	ND	0									
Adjustments for C9-C12 Aliphatics	ND	0									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100									
Adjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Surr: 2,5-Dibromotoluene FID	89.37	0	100	0	89.4	70	130				
Surr: 2,5-Dibromotoluene PID	89.78	0	100	0	89.8	70	130				

Sample ID: LCS SampType: LCS TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 51872
 Client ID: ZZZZ Batch ID: R51872 TestNo: VPH
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	102.2	1.00	100	0	102	70	130				
2,2,4-Trimethylpentane	81.90	1.00	100	0	81.9	70	130				
2-Methylpentane	93.61	1.00	100	0	93.6	70	130				
n-Butylcyclohexane	85.05	1.00	100	0	85.0	70	130				
n-Decane	82.85	1.00	100	0	82.8	70	130				
n-Nonane	85.15	1.00	100	0	85.2	30	130				

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

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
 Work Order: 1309016
 Project:

TestCode: VPH_W2

Sample ID: LCS	Batch ID: R51872	SampType: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 51872		
Client ID: ZZZZZ	TestNo: VPH	Result	PQL	SPK value	SPK RefVal	SeqNo: 585159		
Analyte			%REC	LowLimit	HighLimit	RPD Ref Val		
						%RPD	RPDLimit	Qual

n-Pentane	114.8	1.00	0	100	70	130		
C9-C10 Aromatic Hydrocarbons	ND	100	0	100	70	130		
Unadjusted C5-C8 Aliphatic Hydrocarb	218.0	100	0	300	70	130		
Unadjusted C9-C12 Aliphatic Hydrocar	223.6	100	0	300	70	130		
Methyl Tert-Butyl Ether	98.07	1.00	0	100	70	130		
Benzene	82.73	1.00	0	100	70	130		
Toluene	95.50	1.00	0	100	70	130		
Ethylbenzene	90.91	1.00	0	100	70	130		
m,p-Xylene	160.3	1.00	0	200	70	130		
o-Xylene	101.2	1.00	0	100	70	130		
Naphthalene	111.2	1.00	0	100	70	130		
Adjusted C5-C8 Aliphatic Hydrocarbons	300.5	100						
Adjusted C9-C12 Aliphatic Hydrocarbo	1021	100						
Surr: 2,5-Dibromotoluene FID	120.4	0		100	70	130		
Surr: 2,5-Dibromotoluene PID	109.6	0		100	70	130		

Sample ID: LCSD	Batch ID: R51872	SampType: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 51872		
Client ID: ZZZZZ	TestNo: VPH	Result	PQL	SPK value	SPK RefVal	SeqNo: 585160		
Analyte			%REC	LowLimit	HighLimit	RPD Ref Val		
						%RPD	RPDLimit	Qual

1,2,4-Trimethylbenzene	109.3	1.00	0	100	70	130	102.2	6.64	25
2,2,4-Trimethylpentane	87.52	1.00	0	100	70	130	81.9	6.63	25
2-Methylpentane	96.74	1.00	0	100	70	130	93.61	3.29	25
n-Butylcyclohexane	112.7	1.00	0	100	70	130	85.05	27.9	25
n-Decane	84.99	1.00	0	100	70	130	82.85	2.55	25
n-Nonane	88.43	1.00	0	100	30	130	85.15	3.78	25
n-Pentane	118.6	1.00	0	100	70	130	114.8	3.21	25

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

CLIENT: Compliance Environmental
Work Order: 1309016
Project:

TestCode: VPH_W2

Sample ID: LCSD	SampType: LCSD	TestCode: VPH_W2	Units: µg/l	Prep Date:	RunNo: 51872						
Client ID: ZZZZ	Batch ID: R51872	TestNo: VPH		Analysis Date: 9/10/2013	SeqNo: 585160						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C9-C10 Aromatic Hydrocarbons	ND	100	100	0	87.7	70	130	87.38	0.400	25	
Unadjusted C5-C8 Aliphatic Hydrocarb	227.0	100	300	0	75.7	70	130	218	4.01	25	
Unadjusted C9-C12 Aliphatic Hydrocar	249.4	100	300	0	83.2	70	130	223.6	10.9	25	
Methyl Tert-Butyl Ether	94.89	1.00	100	0	94.9	70	130	98.07	3.30	25	
Benzene	84.17	1.00	100	0	84.2	70	130	82.73	1.73	25	
Toluene	103.6	1.00	100	0	104	70	130	95.5	8.18	25	
Ethylbenzene	95.62	1.00	100	0	95.6	70	130	90.91	5.05	25	
m,p-Xylene	197.0	1.00	200	0	98.5	70	130	160.3	20.5	25	
o-Xylene	98.77	1.00	100	0	98.8	70	130	101.2	2.45	25	
Naphthalene	98.07	1.00	100	0	98.1	70	130	111.2	12.5	25	
Adjusted C5-C8 Aliphatic Hydrocarbons	321.2	100	100	0				300.5	6.64	0	
Adjusted C9-C12 Aliphatic Hydrocarbo	767.9	100	100	0				1021	28.3	0	
Surr: 2,5-Dibromotoluene FID	109.4	0	100	0	109	70	130	0	0	0	
Surr: 2,5-Dibromotoluene PID	111.4	0	100	0	111	70	130	0	0	0	

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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 Y/N Lab to do

Special Instructions
SAMPLING DATE: 9/2/13

Turnaround: circle one
 1-day 3-day 5/7-days
 Data Delivery: circle choice (s)
 email PDF Excel

Requirements: circle choice (s)
 MCP Methods DEP Other
 CT RCP (Reasonable Confidence Protocols)
 State / Fed Program - Criteria

Client: **COMPLIANCE ENVIRON MENTAL**
 Address: **11 BEARCOURT DRIVE**
ATTLEBORO MA 02703
 Contact: **JOE HOBIN**

Phone: **508-223-3012**
 Fax: **COMPLIANCEHEAIM.COM**
 email: **COMPLIANCEHEAIM.COM**

Project: **MAIN ST. WASHINGTON**
 Project PO:
 Invoice to*: **JOE HOBIN**

DATE	COLLECTION TIME	SAMPLE LOCATION / ID	CONTAINER		GRADES	PRESERVATIVE	GeoLabs SAMPLE NUMBER	Analysis Requested				Lab Use Only											
			TYPE	QUANTITY				PH	TEMPERATURE	L	A		B	P	H								
9/2	1:00 PM	MW-101	V	2	GW		9016-001	X															
9/2	2:15 PM	MW-106	AG	2	GW		-002	X															
9/2	3:00 PM	MW-105	AG	2	GW		-003	X															
9/2	3:15 PM																						

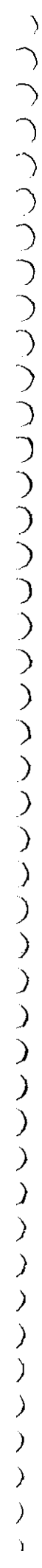
Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 SL = Sludge
 S = Soil
 O = Oil
 A = Air
 OT = Other

Received on ice

Preservatives:
 1 = HCl
 2 = HNO3
 3 = H2SO4
 4 = NaOH
 5 = NaOH
 6 = MEQH
 7 = Other

Relinquished by: **Joe Hobin**
 Date / Time: **9.4.13 4:30**

Received by: **[Signature]**
 Date / Time: **9.4.13 11:30**



ANALYTICAL REPORT



Friday, November 01, 2013

Joseph Hobin
Compliance Environmental
11 Bearcourt Dr.
P.O. Box 1749
Attleboro, MA 02703-0031

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

TEL: (508) 223-3812
FAX: (508) 223-3565

Project: Main St, Wareham
Location:

Order No.: 1310182

Dear Joseph Hobin:

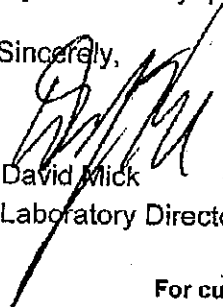
GeoLabs, Inc. received 3 sample(s) on 10/22/2013 for the analyses presented in the following report.

The laboratory results in this report relate only to samples submitted. 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,



David Mick
Laboratory Director

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

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - RI (LA000252)

MassDEP Analytical Protocol Certification Form

Laboratory Name: GeoLabs, Inc. Project #: _____
 Project Location: Main Street, Wareham MA RTN: _____

This form provides certification for the following data set: 1310182 (001-003)

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other-wastewater

CAM Protocol (check all that apply below):

8260 VOC CAM II A <input type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH CAM IV A <input checked="" type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input checked="" type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	8014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

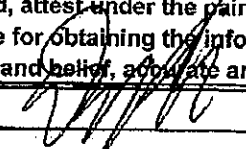
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	VPH, EPH, APH and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H, and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2) (k) and WSC-07-350.		
H	Were all QC performance standards as specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

All negative responses must be addressed in an attached laboratory narrative.

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: Laboratory Director
 Printed Name: David Mick Date: November 1, 2013

Date: 01-Nov-13

CLIENT: Compliance Environmental
Project: Main St, Wareham
Lab Order: 1310182

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

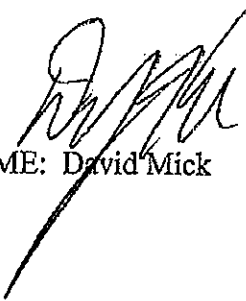
The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

See VPH QC to review spike & RPD % recoveries outside of recovery limits.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 11/01/13

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
Project: Main St, Wareham
Lab Order: 1310182

CASE NARRATIVE

EPH Methods

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analytes: 8270 GC/MS

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

C11-C22 Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes

CERTIFICATION:

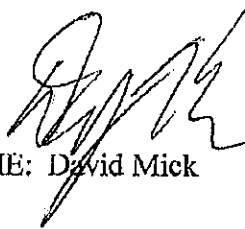
Were all QA/QC procedures REQUIRED by the EPH Method followed? YES

Were all performance/acceptance standards achieved? YES

Were any significant modifications made to the EPH method? 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 and belief, accurate and complete.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 11/01/13

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
Project: Main St, Wareham
Lab Order: 1310182

CASE NARRATIVE

VPH Methods

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

Soil sample(s) were received in MeOH and soil was completely covered by MeOH.
Soil sample(s) ratio 1:1 +/- 25%

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)
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: David Mick

DATE: 11/01/13

ANALYTICAL REPORT

Reported Date: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-001

Client Sample ID: MW-102
Collection Date: 10/22/2013 10:30:00 AM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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AMMONIA (AS N) - E350.1

Analyst: SUB

Prep Method:

Prep Date:

Ammonia (as N)	13.9	0.100		mg/L	1	10/24/2013
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

HETEROTROPHIC PLATE COUNT - 9215B

Analyst: SUB

Prep Method:

Prep Date:

Heterotrophic Plate Count	1600	0		CFU/ml	1	10/22/2013 5:00:00 PM
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NOTES:

Analyzed by G&L Laboratories MA-1100

SURFACTANTS (MBAS) - 5540C

Analyst: SUB

Prep Method:

Prep Date:

Surfactants	0.61	0.050		mg/L	1	10/23/2013 7:00:00 PM
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

NITRATE - E300.0

Analyst: SUB

Prep Method:

Prep Date:

Nitrate	ND	0.0500		mg/L	1	10/24/2013 6:52:00 AM
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

VPH - MADEP VPH

Analyst: ZC

Prep Method:

Prep Date:

C9-C10 Aromatic Hydrocarbons	ND	100		µg/L	1	10/23/2013 8:38:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	10/23/2013 8:38:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	10/23/2013 8:38:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	10/23/2013 8:38:00 AM
Benzene	ND	1.00		µg/L	1	10/23/2013 8:38:00 AM
Toluene	ND	1.00		µg/L	1	10/23/2013 8:38:00 AM
Ethylbenzene	ND	1.00		µg/L	1	10/23/2013 8:38:00 AM
m,p-Xylene	ND	1.00		µg/L	1	10/23/2013 8:38:00 AM

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
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: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-001

Client Sample ID: MW-102
Collection Date: 10/22/2013 10:30:00 AM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VPH - MADEP VPH

Analyst: ZC

Prep Method:	Prep Date:					
o-Xylene		ND	1.00	µg/L	1	10/23/2013 8:38:00 AM
Naphthalene		ND	1.00	µg/L	1	10/23/2013 8:38:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons		ND	100	µg/L	1	10/23/2013 8:38:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons		ND	100	µg/L	1	10/23/2013 8:38:00 AM
Surr: 2,5-Dibromotoluene FID		120	70-130	%REC	1	10/23/2013 8:38:00 AM
Surr: 2,5-Dibromotoluene PID		119	70-130	%REC	1	10/23/2013 8:38:00 AM

SPECIFIC CONDUCTANCE - E120.1

Analyst: RP

Prep Method:	Prep Date:					
Specific Conductance		940	1.00	µmhos/cm	1	10/22/2013 4:10:00 PM

ORTHOPHOSPHATE, WATER - SM4500-P-E

Analyst: WFR

Prep Method:	Prep Date:					
Phosphorus, Orthophosphate (As P)		ND	0.150	mg/L	1	10/23/2013 4:30:00 PM

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Prep Method:	Prep Date:					
Total Phosphorous		1.12	0.200	mg/L	1	10/24/2013

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RJ Reporting Limit

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits

ANALYTICAL REPORT

Reported Date: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-002

Client Sample ID: MW-VD
Collection Date: 10/22/2013 11:30:00 AM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses **Result** **RL** **Qual** **Units** **DF** **Date Analyzed**

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	Prep Date:	10/22/2013 10:25:26 AM		
Adjusted C11-C22 Aromatics	338	96.2	µg/L	1	10/26/2013
C09-C18 Aliphatics	ND	96.2	µg/L	1	10/25/2013
C19-C36 Aliphatics	ND	96.2	µg/L	1	10/25/2013
Unadjusted C11-C22 Aromatics	340	96.2	µg/L	1	10/25/2013
Surr: 1-Chlorooctadecane	70.1	40-140	%REC	1	10/25/2013
Surr: o-Terphenyl	109	40-140	%REC	1	10/25/2013

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method:	(oph_Wpr)	Prep Date:	10/22/2013 10:25:26 AM		
Naphthalene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
2-Methylnaphthalene	1.74	0.962	µg/L	1	10/28/2013 6:01:00 PM
Acenaphthene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Phenanthrene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Acenaphthylene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Fluorene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Anthracene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Fluoranthene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Pyrene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Benzo(a)Anthracene	ND	0.385	µg/L	1	10/28/2013 6:01:00 PM
Chrysene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Benzo(b)Fluoranthene	ND	0.192	µg/L	1	10/28/2013 6:01:00 PM
Benzo(k)Fluoranthene	ND	0.192	µg/L	1	10/28/2013 6:01:00 PM
Benzo(a)Pyrene	ND	0.183	µg/L	1	10/28/2013 6:01:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.385	µg/L	1	10/28/2013 6:01:00 PM
Dibenz(a,h)Anthracene	ND	0.385	µg/L	1	10/28/2013 6:01:00 PM
Benzo(g,h,i)Perylene	ND	0.962	µg/L	1	10/28/2013 6:01:00 PM
Total PAH Target Concentration	1.74	0.192	µg/L	1	10/28/2013 6:01:00 PM
Surr: 2,2-Difluorobiphenyl	67.4	40-140	%REC	1	10/28/2013 6:01:00 PM
Surr: 2-Fluorobiphenyl	74.4	40-140	%REC	1	10/28/2013 6:01:00 PM

AMMONIA (AS N) - E350.1

Analyst: SUB

Prep Method: **Prep Date:**

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
	RL	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: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-002

Client Sample ID: MW-VD
Collection Date: 10/22/2013 11:30:00 AM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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AMMONIA (AS N) - E350.1

Analyst: SUB

Prep Method:

Prep Date:

Ammonia (as N)	0.0700	0.0200		mg/L	1	10/24/2013
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

HETEROTROPHIC PLATE COUNT - 9215B

Analyst: SUB

Prep Method:

Prep Date:

Heterotrophic Plate Count	7700	0		CFU/ml	1	10/22/2013 5:00:00 PM
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NOTES:

Analyzed by G&L Laboratories MA-1100

SURFACTANTS (MBAS) - 5540C

Analyst: SUB

Prep Method:

Prep Date:

Surfactants	0.070	0.050		mg/L	1	10/23/2013 7:00:00 PM
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

NITRATE - E300.0

Analyst: SUB

Prep Method:

Prep Date:

Nitrate	1.93	0.0500		mg/L	1	10/24/2013 6:52:00 AM
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

SPECIFIC CONDUCTANCE - E120.1

Analyst: RP

Prep Method:

Prep Date:

Specific Conductance	440	1.00		µmhos/cm	1	10/22/2013 4:10:00 PM
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ORTHOPHOSPHATE, WATER - SM4500-P-E

Analyst: WFR

Prep Method:

Prep Date:

Phosphorus, Orthophosphate (As P)	ND	0.150		mg/L	1	10/23/2013 4:30:00 PM
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Qualifiers:

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RI Reporting Limit

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 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: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-002

Client Sample ID: MW-VD
Collection Date: 10/22/2013 11:30:00 AM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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TOTAL PHOSPHOROUS -L10-115-01-1E

Analyst: RP

Prep Method:

Prep Date:

Total Phosphorous	0.212	0.200		mg/L	1	10/24/2013
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Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
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: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Warcham
Lab ID: 1310182-003

Client Sample ID: MW-107
Collection Date: 10/22/2013 1:30:00 PM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses **Result** **RL** **Qual** **Units** **DF** **Date Analyzed**

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method: (eph_Wpr) Prep Date: 10/22/2013 10:25:26 AM

Adjusted C11-C22 Aromatics	ND	96.2		µg/L	1	10/25/2013
C09-C18 Aliphatics	ND	96.2		µg/L	1	10/25/2013
C19-C36 Aliphatics	ND	96.2		µg/L	1	10/25/2013
Unadjusted C11-C22 Aromatics	ND	96.2		µg/L	1	10/25/2013
Surr: 1-Chlorooctadecane	38.0	40-140	S	%REC	1	10/25/2013
Surr: o-Terphenyl	81.3	40-140		%REC	1	10/25/2013

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method: (eph_Wpr) Prep Date: 10/22/2013 10:25:26 AM

Naphthalene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
2-Methylnaphthalene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Acenaphthene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Phenanthrene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Acenaphthylene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Fluorene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Anthracene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Fluoranthene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Pyrene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Benzo(a)Anthracene	ND	0.385		µg/L	1	10/28/2013 6:47:00 PM
Chrysene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Benzo(b)Fluoranthene	ND	0.192		µg/L	1	10/28/2013 6:47:00 PM
Benzo(k)Fluoranthene	ND	0.192		µg/L	1	10/28/2013 6:47:00 PM
Benzo(a)Pyrene	ND	0.183		µg/L	1	10/28/2013 6:47:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.385		µg/L	1	10/28/2013 6:47:00 PM
Dibenz(a,h)Anthracene	ND	0.385		µg/L	1	10/28/2013 6:47:00 PM
Benzo(g,h,i)Perylene	ND	0.962		µg/L	1	10/28/2013 6:47:00 PM
Total PAH Target Concentration	ND	0.192		µg/L	1	10/28/2013 6:47:00 PM
Surr: 2,2-Difluorobiphenyl	76.0	40-140		%REC	1	10/28/2013 6:47:00 PM
Surr: 2-Fluorobiphenyl	78.0	40-140		%REC	1	10/28/2013 6:47:00 PM

AMMONIA (AS N) - E350.1

Analyst: SUB

Prep Method: Prep Date:

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
	RL	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: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-003

Client Sample ID: MW-107
Collection Date: 10/22/2013 1:30:00 PM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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AMMONIA (AS N) - E350.1

Analyst: **SUB**

Prep Method:

Prep Date:

Ammonia (as N)	0.0800	0.0200		mg/L	1	10/24/2013
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

HETEROTROPHIC PLATE COUNT - 9215B

Analyst: **SUB**

Prep Method:

Prep Date:

Heterotrophic Plate Count	1100	0		CFU/ml	1	10/22/2013 5:00:00 PM
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NOTES:

Analyzed by G&L Laboratories MA-1100

SURFACTANTS (MBAS) - 5540C

Analyst: **SUB**

Prep Method:

Prep Date:

Surfactants	ND	0.050		mg/L	1	10/23/2013 7:00:00 PM
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

NITRATE - E300.0

Analyst: **SUB**

Prep Method:

Prep Date:

Nitrate	2.65	0.0500		mg/L	1	10/24/2013 6:52:00 AM
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NOTES:

Analyzed by Phoenix Environmental Laboratories M-CT007

SPECIFIC CONDUCTANCE - E120.1

Analyst: **RP**

Prep Method:

Prep Date:

Specific Conductance	200	1.00		µmhos/cm	1	10/22/2013 4:10:00 PM
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ORTHOPHOSPHATE, WATER - SM4500-P-E

Analyst: **WFR**

Prep Method:

Prep Date:

Phosphorus, Orthophosphate (As P)	ND	0.150		mg/L	1	10/23/2013 4:30:00 PM
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Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
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: 01-Nov-13

CLIENT: Compliance Environmental
Lab Order: 1310182
Project: Main St, Wareham
Lab ID: 1310182-003

Client Sample ID: MW-107
Collection Date: 10/22/2013 1:30:00 PM
Date Received: 10/22/2013
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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TOTAL PHOSPHOROUS -L10-115-01-1E

Analyst: RP

	Prep Method:		Prep Date:			
Total Phosphorous		0.675	0.200	mg/L	1	10/24/2013

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

ANALYTICAL QC SUMMARY REPORT

Date: 01-Nov-13

CLIENT: Compliance Environmental
 Work Order: 1310182
 Project: Main St, Wareham

TestCode: EPHP_W

Sample ID: MB-23154 SampType: mbik TestCode: ephp_w Units: µg/L Prep Date: 10/22/2013 RunNo: 52442
 Client ID: ZZZZ Batch ID: 23154 TestNo: MADEP EPH_ (eph_wpr) Analysis Date: 10/24/2013 SeqNo: 590832

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	1.00									
2-Methylnaphthalene	ND	1.00									
Acenaphthene	ND	1.00									
Phenanthrene	ND	1.00									
Acenaphthylene	ND	1.00									
Fluorene	ND	1.00									
Anthracene	ND	1.00									
Fluoranthene	ND	1.00									
Pyrene	ND	1.00									
Benzo(a)Anthracene	ND	0.400									
Chrysene	ND	1.00									
Benzo(b)Fluoranthene	ND	0.200									
Benzo(k)Fluoranthene	ND	0.200									
Benzo(a)Pyrene	ND	0.190									
Indeno(1,2,3-cd)Pyrene	ND	0.400									
Dibenz(a,h)Anthracene	ND	0.400									
Benzo(g,h,i)Perylene	ND	1.00									
Total PAH Target Concentration	ND	0.200									
Surr: 2,2-Difluorobiphenyl	22.47	0	25	0	89.9	40	40	140			
Surr: 2-Fluorobiphenyl	18.53	0	25	0	74.1	40	40	140			

Sample ID: LCS-23154	SampType: LCS	TestCode: EPHP_W	Units: µg/L	Prep Date: 10/22/2013	RunNo: 52442						
Client ID: ZZZZ	Batch ID: 23154	TestNo: MADEP EPH_ (eph_wpr)	Analysis Date: 10/24/2013	SeqNo: 590840							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	30.82	1.00	50	0	61.6	40	40	140			

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

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
Work Order: 1310182
Project: Main St, Wareham

TestCode: EPHP_W

Sample ID:	LCS-23154	SampType:	LCS	TestCode:	EPHP_W	Units:	µg/L	Prep Date:	10/22/2013	RunNo:	52442
Client ID:	ZZZZZ	Batch ID:	23154	TestNo:	MADEP EPH_ (eph_Wpr)	SPK value	SPK Ref Val	Analysis Date:	10/24/2013	SeqNo:	590840
Analyte	PQL	Result		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
2-Methylnaphthalene	1.00	30.83	50	61.7	40	140					
Acenaphthene	1.00	40.20	50	80.4	40	140					
Phenanthrene	1.00	47.40	50	94.8	40	140					
Acenaphthylene	1.00	38.28	50	76.6	40	140					
Fluorene	1.00	39.79	50	79.6	40	140					
Anthracene	1.00	49.72	50	99.4	40	140					
Fluoranthene	1.00	49.16	50	98.3	40	140					
Pyrene	1.00	50.76	50	102	40	140					
Benzo(a)Anthracene	0.400	47.47	50	94.9	40	140					
Chrysene	1.00	55.01	50	110	40	140					
Benzo(b)Fluoranthene	0.200	52.83	50	106	40	140					
Benzo(k)Fluoranthene	0.200	52.58	50	105	40	140					
Benzo(e)Pyrene	0.190	39.88	50	79.8	40	140					
Indeno(1,2,3-cd)Pyrene	0.400	33.28	50	66.6	40	140					
Dibenz(a,h)Anthracene	0.400	31.96	50	63.9	40	140					
Benzo(g,h,i)Perylene	1.00	35.35	50	70.7	40	140					
Total PAH Target Concentration	0.200	725.3									
Surr: 2,2-Difluorobiphenyl	0	20.21	25	80.8	40	140					
Surr: 2-Fluorobiphenyl	0	21.30	25	85.2	40	140					

Sample ID:	LCS2-23154	SampType:	LCSD	TestCode:	EPHP_W	Units:	µg/L	Prep Date:	10/22/2013	RunNo:	52442
Client ID:	ZZZZZ	Batch ID:	23154	TestNo:	MADEP EPH_ (eph_Wpr)	SPK value	SPK Ref Val	Analysis Date:	10/24/2013	SeqNo:	590831
Analyte	PQL	Result		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Naphthalene	1.00	35.59	50	71.2	40	140	30.82	14.4	25		
2-Methylnaphthalene	1.00	35.85	50	71.7	40	140	30.83	15.1	25		
Acenaphthene	1.00	45.53	50	91.1	40	140	40.2	12.4	25		

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental
 Work Order: 1310182
 Project: Main St, Wareham

TestCode: EPHP_W

Sample ID:	LCS2-23154	SampType:	LCSD	TestCode:	EPHP_W	Units:	µg/L	Prep Date:	10/22/2013	RunNo:	52442
Client ID:	ZZZZZ	Batch ID:	23154	TestNo:	MADEP EPH_ (eph_wpr)			Analysis Date:	10/24/2013	SeqNo:	590831
Analyte	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual	
Phenanthrene	1.00	50	0	108	40	140	47.4	13.3	25		
Acenaphthylene	1.00	50	0	84.8	40	140	36.28	10.2	25		
Fluorene	1.00	50	0	91.9	40	140	39.79	14.4	25		
Anthracene	1.00	50	0	107	40	140	49.72	7.59	25		
Fluoranthene	1.00	50	0	107	40	140	49.16	8.62	25		
Pyrene	1.00	50	0	113	40	140	50.76	10.6	25		
Benzo(a)Anthracene	0.400	50	0	110	40	140	47.47	14.8	25		
Chrysene	1.00	50	0	122	40	140	55.01	10.3	25		
Benzo(b)Fluoranthene	0.200	50	0	115	40	140	52.83	8.24	25		
Benzo(k)Fluoranthene	0.200	50	0	110	40	140	52.58	4.61	25		
Benzo(a)Pyrene	0.190	50	0	89.0	40	140	39.88	11.0	25		
Indeno(1,2,3-cd)Pyrene	0.400	50	0	76.1	40	140	33.28	13.4	25		
Dibenz(a,h)Anthracene	0.400	50	0	73.0	40	140	31.96	13.3	25		
Benzo(g,h,i)Perylene	1.00	50	0	79.1	40	140	35.35	11.2	25		
Surr: 2,2-Difluorobiphenyl	0	25	0	81.6	40	140	0	0	0		
Surr: 2-Fluorobiphenyl	0	25	0	83.8	40	140	0	0	0		

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental
Work Order: 1310182
Project: Main St, Wareham

TestCode: eph_t_w

Sample ID: MB-23154 **TestCode:** eph_t_w **Units:** µg/L **Prep Date:** 10/22/2013 **RunNo:** 52399
Client ID: ZZZZ **Batch ID:** 23154 **TestNo:** MADEP EPH (eph_Wpr) **Analysis Date:** 10/22/2013 **SeqNo:** 590667

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Adjusted C11-C22 Aromatics	100									
C09-C18 Aliphatics	100									
C19-C36 Aliphatics	100									
Unadjusted C11-C22 Aromatics	100									
Surr: 1-Chlorooctadecane	0	100	0	73.9	40	140				
Surr: o-Terphenyl	0	100	0	88.3	40	140				

Sample ID: LCS-23154 **TestCode:** eph_t_w **Units:** µg/L **Prep Date:** 10/22/2013 **RunNo:** 52399
Client ID: ZZZZ **Batch ID:** 23154 **TestNo:** MADEP EPH (eph_Wpr) **Analysis Date:** 10/22/2013 **SeqNo:** 590668

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C09-C18 Aliphatics	100	100	0	65.1	40	140				
C19-C36 Aliphatics	100	100	0	84.2	40	140				
Unadjusted C11-C22 Aromatics	100	100	0	78.7	40	140				
Surr: 1-Chlorooctadecane	0	100	0	93.8	40	140				
Surr: o-Terphenyl	0	100	0	85.8	40	140				

Sample ID: LCS2-23154 **TestCode:** eph_t_w **Units:** µg/L **Prep Date:** 10/22/2013 **RunNo:** 52399
Client ID: ZZZZ **Batch ID:** 23154 **TestNo:** MADEP EPH (eph_Wpr) **Analysis Date:** 10/22/2013 **SeqNo:** 590669

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C09-C18 Aliphatics	100	100	0	83.0	40	140	65.13	0	25	
C19-C36 Aliphatics	100	100	0	97.8	40	140	84.2	0	25	
Unadjusted C11-C22 Aromatics	100	100	0	85.7	40	140	78.7	0	25	
Surr: 1-Chlorooctadecane	0	100	0	85.1	40	140	0	0	0	
Surr: o-Terphenyl	0	100	0	86.2	40	140	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
 RL Reporting Limit S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
Work Order: 1310182
Project: Main St, Wareham

TestCode: VPH_W2

Sample ID: MBLK SampType: MBLK TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 52431
 Client ID: ZZZZ Batch ID: R52431 TestNo: VPH Analysis Date: 10/23/2013 SeqNo: 590771

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	1.00									
2,2,4-Trimethylpentane	1.00									
2-Methylpentane	1.00									
n-Butylcyclohexane	1.00									
n-Decane	1.00									
n-Nonane	1.00									
n-Pentane	1.00									
C9-C10 Aromatic Hydrocarbons	100									
Unadjusted C5-C8 Aliphatic Hydrocarbo	100									
Unadjusted C9-C12 Aliphatic Hydrocarb	100									
Methyl Tert-Butyl Ether	1.00									
Benzene	1.00									
Toluene	1.00									
Ethylbenzene	1.00									
m,p-Xylene	1.00									
o-Xylene	1.00									
Naphthalene	1.00									
Adjusted C5-C8 Aliphatic Hydrocarbons	100									
Adjusted C9-C12 Aliphatic Hydrocarbon	100									
Sur: 2,5-Dibromotoluene FID	0	100		124	70		130			
Sur: 2,5-Dibromotoluene PID	0	100		119	70		130			

Sample ID: LCS SampType: LCS TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 52431
 Client ID: ZZZZ Batch ID: R52431 TestNo: VPH Analysis Date: 10/23/2013 SeqNo: 590769

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	1.00	0	100	84.0	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
 RL Reporting Limit S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02186 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
 Work Order: 1310182
 Project: Main St, Wareham

TestCode: VPH_W2

Sample ID: LCS SampType: LCS TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 52431
 Client ID: ZZZZ Batch ID: R52431 TestNo: VPH Analysis Date: 10/23/2013 SeqNo: 590769

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2,4-Trimethylpentane	1.00	100	0.2	97.5	70	130				
2-Methylpentane	1.00	100	0	101	70	130				
n-Butylcyclohexane	1.00	100	0	98.4	70	130				
n-Decane	1.00	100	0	107	70	130				
n-Nonane	1.00	100	0	99.4	30	130				
n-Pentane	1.00	100	0	88.3	70	130				
C9-C10 Aromatic Hydrocarbons	100	100	0	115	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarb	100	300	0	92.0	70	130				
Unadjusted C9-C12 Aliphatic Hydrocarb	100	300	0	129	70	130				
Methyl Tert-Butyl Ether	1.00	100	0	82.8	70	130				
Benzene	1.00	100	0	86.0	70	130				
Toluene	1.00	100	0	87.8	70	130				
Ethylbenzene	1.00	100	0	80.6	70	130				
m,p-Xylene	1.00	200	0	84.9	70	130				
o-Xylene	1.00	100	0	93.1	70	130				
Naphthalene	1.00	100	0	87.0	70	130				
Surr: 2,5-Dibromotoluene FID	0	100	0	97.2	70	130				
Surr: 2,5-Dibromotoluene PID	0	100	0	92.9	70	130				

Sample ID: LCSD SampType: LCSD TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 52431
 Client ID: ZZZZ Batch ID: R52431 TestNo: VPH Analysis Date: 10/23/2013 SeqNo: 590770

Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	1.00	100	0	88.0	70	130	84.02	4.66	25	
2,2,4-Trimethylpentane	1.00	100	0.2	96.2	70	130	97.71	1.33	25	
2-Methylpentane	1.00	100	0	95.8	70	130	100.7	5.01	25	
n-Butylcyclohexane	1.00	100	0	120	70	130	98.42	19.9	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
 RL Reporting Limit S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
 Work Order: 1310182
 Project: Main St, Wareham

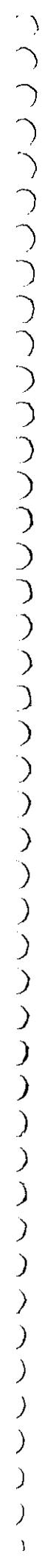
TestCode: VPH_W2

Sample ID: LCSD	Batch ID: R52431	SampleType: LCSD	Units: µg/L	Prep Date:	RunNo: 52431						
Client ID: ZZZZZ	Batch ID: R52431	TestCode: VPH_W2	TestNo: VPH	Analysis Date: 10/23/2013	SeqNo: 590770						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	135.7	1.00	100	0	136	70	130	106.6	24.0	25	S
n-Nonane	118.6	1.00	100	0	119	30	130	99.45	17.6	25	S
n-Pentane	85.16	1.00	100	0	85.2	70	130	88.29	3.61	25	S
C9-C10 Aromatic Hydrocarbons	143.1	100	100	0	143	70	130	114.6	22.1	25	S
Unadjusted C5-C8 Aliphatic Hydrocarb	268.3	100	300	0	89.4	70	130	276	2.82	25	S
Unadjusted C9-C12 Aliphatic Hydrocarb	409.6	100	300	0	137	70	130	388.5	5.30	25	S
Methyl Tert-Butyl Ether	83.89	1.00	100	0	83.9	70	130	82.78	1.33	25	S
Benzene	80.12	1.00	100	0	80.1	70	130	85.99	7.07	25	S
Toluene	86.91	1.00	100	0	86.9	70	130	87.78	0.896	25	S
Ethylbenzene	80.53	1.00	100	0	80.5	70	130	80.62	0.112	25	S
m,p-Xylene	165.8	1.00	200	0	82.9	70	130	169.8	2.40	25	S
o-Xylene	99.27	1.00	100	0	99.3	70	130	93.14	6.37	25	S
Naphthalene	123.9	1.00	100	0	124	70	130	87.01	35.0	25	R
Surr: 2,5-Dibromotoluene FID	120.7	0	100	0	121	70	130	0	0	0	
Surr: 2,5-Dibromotoluene PID	92.91	0	100	0	92.9	70	130	0	0	0	

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

GeoLabs, Inc.

45 Johnsons Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811



ANALYTICAL REPORT



Monday, March 03, 2014

Joseph Hobin
Compliance Environmental
11 Bearcourt Dr.
P.O. Box 1749
Attleboro, MA 02703-0031

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

TEL: (508) 223-3812
FAX: (508) 223-3565

Project:

Location: Main Street, Wareham MA

Order No.: 1402174

Dear Joseph Hobin:

GeoLabs, Inc. received 4 sample(s) on 2/25/2014 for the analyses presented in the following report.

The laboratory results in this report relate only to samples submitted. 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,

David Mick
Laboratory Director

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

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2608) - RI (LA000252)

MassDEP Analytical Protocol Certification Form

Laboratory Name: GeoLabs, Inc. Project #: _____
 Project Location: Main St, Wareham MA RTN: _____

This form provides certification for the following data set: 1402174 (001-004)

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other-wastewater

CAM Protocol (check all that apply below):

8260 VOC CAM II A <input type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH CAM IV A <input checked="" type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	VPH, EPH, APH and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications.) b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H, and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2) (k) and WSC-07-350.		
H	Were all QC performance standards as specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

All negative responses must be addressed in an attached laboratory narrative.

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: Laboratory Director
 Printed Name: David Mick Date: March 3, 2014

Date: 03-Mar-14

CLIENT: Compliance Environmental
Project:
Lab Order: 1402174

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

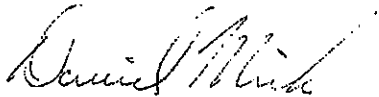
The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

See QC to review spike & RPD % recoveries outside of recovery limits.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 03/03/14

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental

Project:

Lab Order: 1402174

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1

Method for Target Analytes: MADEP VPH 04-1.1

Soil sample(s) were received in MeOH and soil was completely covered by MeOH. (if applicable)
Soil sample(s) ratio 1:1 +/- 25% (if applicable)

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

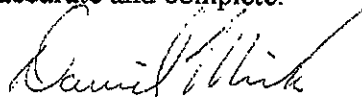
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES

Were all QA/QC performance/acceptance standards achieved? NO (See Case Narrative)

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: David Mick

DATE: 03/03/14

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 03-Mar-14

CLIENT: Compliance Environmental
Lab Order: 1402174
Project:
Lab ID: 1402174-001

Client Sample ID: MW-101
Collection Date: 2/22/2014 12:30:00 PM
Date Received: 2/25/2014
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VPH - MADEP VPH

Analyst: ZC

Prep Method:

Prep Date:

C9-C10 Aromatic Hydrocarbons	859	100	E	µg/L	1	2/28/2014 8:20:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	744	100		µg/L	1	2/26/2014 8:20:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	2260	1000		µg/L	10	2/27/2014 10:57:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	2/26/2014 8:20:00 AM
Benzene	ND	1.00		µg/L	1	2/26/2014 8:20:00 AM
Toluene	1.76	1.00		µg/L	1	2/26/2014 8:20:00 AM
Ethylbenzene	188	1.00		µg/L	1	2/26/2014 8:20:00 AM
m,p-Xylene	428	10.0		µg/L	10	2/27/2014 10:57:00 AM
o-Xylene	21.0	1.00		µg/L	1	2/26/2014 8:20:00 AM
Naphthalene	ND	1.00		µg/L	1	2/26/2014 8:20:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	742	100		µg/L	1	2/26/2014 8:20:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons	764	100		µg/L	1	2/26/2014 8:20:00 AM
Surr: 2,5-Dibromotoluene FID	83.1	70-130		%REC	1	2/26/2014 8:20:00 AM
Surr: 2,5-Dibromotoluene FID	82.6	70-130		%REC	10	2/27/2014 10:57:00 AM
Surr: 2,5-Dibromotoluene PID	83.5	70-130		%REC	10	2/27/2014 10:57:00 AM
Surr: 2,5-Dibromotoluene PID	81.5	70-130		%REC	1	2/26/2014 8:20:00 AM

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
	RL	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: 03-Mar-14

CLIENT: Compliance Environmental
Lab Order: 1402174
Project:
Lab ID: 1402174-002

Client Sample ID: MW-103
Collection Date: 2/22/2014 2:30:00 PM
Date Received: 2/25/2014
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZC
Prep Method:		Prep Date:				
C9-C10 Aromatic Hydrocarbons	287	100		µg/L	1	2/26/2014 8:58:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 8:58:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	748	100		µg/L	1	2/26/2014 8:58:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	2/26/2014 8:58:00 AM
Benzene	ND	1.00		µg/L	1	2/26/2014 8:58:00 AM
Toluene	ND	1.00		µg/L	1	2/26/2014 8:58:00 AM
Ethylbenzene	18.7	1.00		µg/L	1	2/26/2014 8:58:00 AM
m,p-Xylene	84.6	1.00		µg/L	1	2/26/2014 8:58:00 AM
o-Xylene	ND	1.00		µg/L	1	2/26/2014 8:58:00 AM
Naphthalene	ND	1.00		µg/L	1	2/26/2014 8:58:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 8:58:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons	358	100		µg/L	1	2/26/2014 8:58:00 AM
Surr: 2,5-Dibromotoluene FID	90.9	70-130		%REC	1	2/26/2014 8:58:00 AM
Surr: 2,5-Dibromotoluene PID	94.1	70-130		%REC	1	2/26/2014 8:58:00 AM

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
RL	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: 03-Mar-14

CLIENT: Compliance Environmental
Lab Order: 1402174
Project:
Lab ID: 1402174-003

Client Sample ID: MW-104
Collection Date: 2/22/2014 3:30:00 PM
Date Received: 2/25/2014
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VPH - MADEP VPH						
Analyst: ZC						
Prep Method:		Prep Date:				
C9-C10 Aromatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 9:34:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 9:34:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 9:34:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
Benzene	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
Toluene	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
Ethylbenzene	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
m,p-Xylene	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
o-Xylene	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
Naphthalene	ND	1.00		µg/L	1	2/26/2014 9:34:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 9:34:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 9:34:00 AM
Surr: 2,5-Dibromotoluene FID	80.4	70-130		%REC	1	2/26/2014 9:34:00 AM
Surr: 2,5-Dibromotoluene PID	87.3	70-130		%REC	1	2/26/2014 9:34:00 AM

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
	RL	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: 03-Mar-14

CLIENT: Compliance Environmental
Lab Order: 1402174
Project:
Lab ID: 1402174-004

Client Sample ID: MW-102
Collection Date: 2/22/2014 1:30:00 PM
Date Received: 2/25/2014
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VPH - MADEP VPH

Analyst: ZC

Prep Method:	Prep Date:					
C9-C10 Aromatic Hydrocarbons	110	100		µg/L	1	2/27/2014 4:49:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/27/2014 4:49:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	502	100		µg/L	1	2/27/2014 4:49:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
Benzene	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
Toluene	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
Ethylbenzene	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
m,p-Xylene	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
o-Xylene	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
Naphthalene	ND	1.00		µg/L	1	2/27/2014 4:49:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/27/2014 4:49:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons	392	100		µg/L	1	2/27/2014 4:49:00 AM
Surr: 2,5-Dibromotoluene FID	86.7	70-130		%REC	1	2/27/2014 4:49:00 AM
Surr: 2,5-Dibromotoluene PID	89.8	70-130		%REC	1	2/27/2014 4:49:00 AM

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
	RL	Reporting Limit	S	Spike Recovery outside recovery limits

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

ANALYTICAL QC SUMMARY REPORT

Date: 03-Mar-14

CLIENT: Compliance Environmental

Work Order: 1402174

Project:

TestCode: VPH_W2

Sample ID: MBLK	SampleType: MBLK	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53714						
Client ID: ZZZZZ	Batch ID: R63714	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603575						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trimethylbenzene	ND	1.00									
2,2,4-Trimethylpentane	ND	1.00									
2-Methylpentane	ND	1.00									
n-Butylcyclohexane	ND	1.00									
n-Decane	ND	1.00									
n-Nonane	ND	1.00									
n-Pentane	ND	1.00									
C9-C10 Aromatic Hydrocarbons	ND	100									
Unadjusted C5-C8 Aliphatic Hydrocarbon	ND	100									
Unadjusted C9-C12 Aliphatic Hydrocarbo	ND	100									
Methyl Tert-Butyl Ether	ND	1.00									
Benzene	ND	1.00									
Toluene	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Naphthalene	ND	1.00									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100									
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100									
Surr: 2,5-Dibromotoluene FID	87.96	0	100	0	88.0	70	130				
Surr: 2,5-Dibromotoluene PID	88.78	0	100	0	88.8	70	130				

Sample ID: MBLK	SampleType: MBLK	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53735						
Client ID: ZZZZZ	Batch ID: R63735	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603748						
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	E	Value above quantitation range	ND	Not Detected at the Reporting Limit	H	Holding times for preparation or analysis exceeded
			RL	Reporting Limit	S	Spike Recovery outside recovery limits			R	RPD outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental
Work Order: 1402174
Project:

TestCode: VPH_W2

Sample ID: MBLK Samp Type: MBLK TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 53735
 Client ID: ZZZZ Batch ID: R53736 TestNo: VPH Analysis Date: 2/28/2014 SeqNo: 603749

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	1.00										
2,2,4-Trimethylpentane	ND	1.00										
2-Methylpentane	ND	1.00										
n-Butylcyclohexane	ND	1.00										
n-Decane	ND	1.00										
n-Nonane	ND	1.00										
n-Pentane	ND	1.00										
C9-C10 Aromatic Hydrocarbons	ND	100										
Unadjusted C5-C8 Aliphatic Hydrocarbon	ND	100										
Unadjusted C9-C12 Aliphatic Hydrocarbon	ND	100										
Methyl Tert-Butyl Ether	ND	1.00										
Benzene	ND	1.00										
Toluene	ND	1.00										
Ethylbenzene	ND	1.00										
m,p-Xylene	ND	1.00										
o-Xylene	ND	1.00										
Naphthalene	ND	1.00										
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100										
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100										
Surr: 2,5-Dibromotoluene FID	87.96	0	100	0		88.0	70	130				
Surr: 2,5-Dibromotoluene PID	88.78	0	100	0		88.8	70	130				

Sample ID: LCS Samp Type: LCS TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 53714
 Client ID: ZZZZ Batch ID: R53714 TestNo: VPH Analysis Date: 2/28/2014 SeqNo: 603673

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	80.47	1.00	100	0.27		80.2	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
 RL Reporting Limit S Spike Recovery outside recovery limits

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

CLIENT: Compliance Environmental
 Work Order: 1402174
 Project:

TestCode: VPH_W2

Sample ID: LCS	Batch ID: R53714	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53714						
Client ID: ZZZZZ	Batch ID: R53714	TestNo: VPH	Analysis Date: 2/26/2014	SeqNo: 603573							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2,4-Trimethylpentane	75.33	1.00	100	0.1	75.2	70	130				
2-Methylpentane	93.79	1.00	100	0	93.8	70	130				
n-Butylcyclohexane	97.41	1.00	100	0.0264	97.4	70	130				
n-Decane	99.91	1.00	100	0.02203	99.9	70	130				
n-Nonane	109.4	1.00	100	0.002728	109	30	130				
n-Pentane	114.8	1.00	100	0	115	70	130				
C9-C10 Aromatic Hydrocarbons	ND	100	100	0	84.2	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarbon	293.0	100	300	0	97.7	70	130				
Unadjusted C9-C12 Aliphatic Hydrocarbon	223.5	100	300	0	74.5	70	130				
Methyl Tert-Butyl Ether	94.27	1.00	100	0	94.3	70	130				
Benzene	83.07	1.00	100	0.14	82.9	70	130				
Toluene	83.93	1.00	100	0.2	83.7	70	130				
Ethylbenzene	86.71	1.00	100	0.3	86.4	70	130				
m,p-Xylene	158.1	1.00	200	0.22	78.9	70	130				
o-Xylene	92.10	1.00	100	0.22	91.9	70	130				
Naphthalene	86.53	1.00	100	0	86.5	70	130				
Surr: 2,5-Dibromotoluene FID	89.60	0	100	0	89.6	70	130				
Surr: 2,5-Dibromotoluene PID	84.06	0	100	0	84.1	70	130				

Sample ID: LCS	Batch ID: R53735	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53735						
Client ID: ZZZZZ	Batch ID: R53735	TestNo: VPH	Analysis Date: 2/26/2014	SeqNo: 603747							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	80.47	1.00	100	0.27	80.2	70	130				
2,2,4-Trimethylpentane	75.33	1.00	100	0.1	75.2	70	130				
2-Methylpentane	93.79	1.00	100	0	93.8	70	130				
n-Butylcyclohexane	97.41	1.00	100	0	97.4	70	130				

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

GeoLabs, Inc.

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CLIENT: Compliance Environmental
 Work Order: 1402174
 Project:

TestCode: VPH_W2

Sample ID: LCS	Sample Type: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53735						
Client ID: ZZZZZ	Batch ID: R63736	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603747						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	99.91	1.00	100	0	99.9	70	130				
n-Nonane	109.4	1.00	100	0	109	30	130				
n-Pentane	114.8	1.00	100	0	115	70	130				
C9-C10 Aromatic Hydrocarbons	ND	100	100	0	84.2	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarbon	293.0	100	300	0	97.7	70	130				
Unadjusted C9-C12 Aliphatic Hydrocarbon	223.5	100	300	0	74.5	70	130				
Methyl Tert-Butyl Ether	94.27	1.00	100	0	94.3	70	130				
Benzene	83.07	1.00	100	0	83.1	70	130				
Toluene	83.93	1.00	100	0	83.9	70	130				
Ethylbenzene	88.71	1.00	100	0	88.7	70	130				
m,p-Xylene	158.1	1.00	200	0	79.1	70	130				
o-Xylene	92.10	1.00	100	0	92.1	70	130				
Naphthalene	86.53	1.00	100	0	86.5	70	130				
Surr: 2,5-Dibromotoluene FID	89.60	0	100	0	89.6	70	130				
Surr: 2,5-Dibromotoluene PID	84.06	0	100	0	84.1	70	130				

Sample ID: LCSD	Sample Type: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53714						
Client ID: ZZZZZ	Batch ID: R63714	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	82.34	1.00	100	0.27	82.1	70	130	80.47	2.30	25	
2,2,4-Trimethylpentane	100.5	1.00	100	0.1	100	70	130	75.33	26.7	25	R
2-Methylpentane	88.64	1.00	100	0	88.6	70	130	93.79	5.65	25	
n-Butylcyclohexane	127.8	1.00	100	0.0264	128	70	130	97.41	27.0	25	R
n-Decane	148.5	1.00	100	0.02203	148	70	130	99.91	39.1	25	SR
n-Nonane	129.4	1.00	100	0.002728	129	30	130	109.4	16.7	25	
n-Pentane	106.0	1.00	100	0	106	70	130	114.8	7.97	25	

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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 7611

CLIENT: Compliance Environmental
Work Order: 1402174
Project:

TestCode: VPH_W2

Sample ID: LCSD	Samp Type: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53714						
Client ID: ZZZZZ	Batch ID: R53714	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 60374						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C9-C10 Aromatic Hydrocarbons	ND	100	100	0	84.2	70	130	84.18	0.0475	25	
Unadjusted C5-C8 Aliphatic Hydrocarbon	300.5	100	300	0	100	70	130	293	2.54	25	
Unadjusted C9-C12 Aliphatic Hydrocarbo	316.0	100	300	0	105	70	130	223.5	34.3	25	R
Methyl Tert-Butyl Ether	95.85	1.00	100	0	95.8	70	130	94.27	1.66	25	
Benzene	81.81	1.00	100	0.14	81.7	70	130	83.07	1.53	25	
Toluene	82.17	1.00	100	0.2	82.0	70	130	83.93	2.12	25	
Ethylbenzene	80.81	1.00	100	0.3	80.5	70	130	88.71	9.32	25	
m,p-Xylene	159.3	1.00	200	0.22	79.5	70	130	158.1	0.756	25	
o-Xylene	85.61	1.00	100	0.22	85.4	70	130	92.1	7.30	25	
Naphthalene	110.8	1.00	100	0	111	70	130	86.53	24.6	25	
Surr: 2,5-Dibromotoluene FID	88.36	0	100	0	88.4	70	130	0	0	0	
Surr: 2,5-Dibromotoluene PID	88.33	0	100	0	86.3	70	130	0	0	0	

Sample ID: LCSD	Samp Type: LCSD	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53735						
Client ID: ZZZZZ	Batch ID: R53735	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603748						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	82.34	1.00	100	0.27	82.1	70	130	80.47	2.30	25	
2,2,4-Trimethylpentane	100.5	1.00	100	0.1	100	70	130	75.33	28.7	25	R
2-Methylpentane	88.64	1.00	100	0	88.6	70	130	93.79	5.65	25	
n-Butylcyclohexane	127.8	1.00	100	0	128	70	130	97.41	27.0	25	R
n-Decane	148.5	1.00	100	0	149	70	130	99.91	39.1	25	SR
n-Nonane	129.4	1.00	100	0	129	30	130	109.4	16.7	25	
n-Pentane	106.0	1.00	100	0	106	70	130	114.8	7.97	25	
C9-C10 Aromatic Hydrocarbons	ND	100	100	0	84.2	70	130	84.18	0.0475	25	
Unadjusted C5-C8 Aliphatic Hydrocarbon	300.5	100	300	0	100	70	130	293	2.54	25	
Unadjusted C9-C12 Aliphatic Hydrocarbo	316.0	100	300	0	105	70	130	223.5	34.3	25	R

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits

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: Compliance Environmental
 Work Order: 1402174
 Project:

TestCode: VPH_W2

Sample ID:	LCSD	SampType:	VPH_W2	Units:	µg/L	Prep Date:	RunNo:	63735			
Client ID:	ZZZZZ	Batch ID:	R53735	TestNo:	VPH	Analysis Date:	SeqNo:	603748			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Tert-Butyl Ether	95.85	1.00	100	0	95.8	70	130	94.27	1.66	25	
Benzene	81.81	1.00	100	0	81.8	70	130	83.07	1.53	25	
Toluene	82.17	1.00	100	0	82.2	70	130	83.93	2.12	25	
Ethylbenzene	80.81	1.00	100	0	80.8	70	130	88.71	9.32	25	
m,p-Xylene	159.3	1.00	200	0	79.7	70	130	158.1	0.756	25	
o-Xylene	85.81	1.00	100	0	85.6	70	130	92.1	7.30	25	
Naphthalene	110.8	1.00	100	0	111	70	130	86.53	24.6	25	
Surr: 2,5-Dibromotoluene FID	88.36	0	100	0	88.4	70	130	0	0	0	
Surr: 2,5-Dibromotoluene PID	86.33	0	100	0	86.3	70	130	0	0	0	

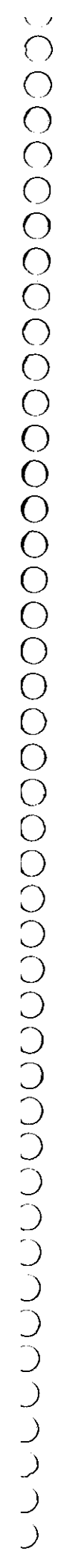
Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantification limits
 RL Reporting Limit

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits

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



ANALYTICAL REPORT



Wednesday, March 05, 2014

Joseph Hobin
Compliance Environmental
11 Bearcourt Dr.
P.O. Box 1749
Attleboro, MA 02703-0031

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

TEL: (508) 223-3812
FAX: (508) 223-3565

Project:
Location:

Order No.: 1402167

Dear Joseph Hobin:

GeoLabs, Inc. received 5 sample(s) on 2/24/2014 for the analyses presented in the following report.

The laboratory results in this report relate only to samples submitted. 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,

A handwritten signature in black ink that reads "David Mick". The signature is written in a cursive style with a large, sweeping "D" and "M".

David Mick
Laboratory Director

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

Certifications:

CT (PH-0148) - MA (M-MA016) - NH (2508) - RI (LA000252)

MassDEP Analytical Protocol Certification Form

Laboratory Name: GeoLabs, Inc. Project #: _____
 Project Location: _____ RTN: _____

This form provides certification for the following data set: 1402167 (001-005)

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other-wastewater

CAM Protocol (check all that apply below):

8260 VOC CAM II A <input type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH CAM IV A <input checked="" type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input checked="" type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	VPH, EPH, APH and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H, and I below are required for "Presumptive Certainty" status

G Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? Yes No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2) (k) and WSC-07-350.

H Were all QC performance standards as specified in the CAM protocol(s) achieved? Yes No¹

I Were results reported for the complete analyte list specified in the selected CAM protocol(s)? Yes No¹

All negative responses must be addressed in an attached laboratory narrative.

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: *David Mick* Position: Laboratory Director
 Printed Name: David Mick Date: March 5, 2014

Date: 05-Mar-14

CLIENT: Compliance Environmental
Project:
Lab Order: 1402167

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)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples:

See VPH QC to review spike & RPD % recoveries outside of recovery limits.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 03/05/14

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental

Project:

Lab Order: 1402167

CASE NARRATIVE

EPH Methods

Method for Ranges: MADEP EPH 04-1.1

Method for Target Analytes: 8270 GC/MS

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

C11-C22 Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes

CERTIFICATION:

Were all QA/QC procedures REQUIRED by the EPH Method followed? YES

Were all performance/acceptance standards achieved? YES

Were any significant modifications made to the EPH method? 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 and belief, accurate and complete.

SIGNATURE:



LAB DIRECTOR

PRINTED NAME: David Mick

DATE: 03/05/14

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

CLIENT: Compliance Environmental

Project:

Lab Order: 1402167

CASE NARRATIVE

VPH Methods

Method for Ranges: MADEP VPH 04-1.1

Method for Target Analytes: MADEP VPH 04-1.1

Soil sample(s) were received in MeOH and soil was completely covered by MeOH. (if applicable)

Soil sample(s) ratio 1:1 +/- 25% (if applicable)

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

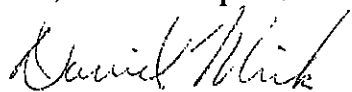
Were all QA/QC procedures REQUIRED by the VPH Method followed? YES

Were all QA/QC performance/acceptance standards achieved? NO (See Case Narrative)

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: David Mick

DATE: 03/05/14

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reported Date: 05-Mar-14

CLIENT: Compliance Environmental **Client Sample ID:** MW-106
Lab Order: 1402167 **Tag Number:**
Project: **Collection Date:** 2/23/2014 11:30:00 AM
Lab ID: 1402167-001A **Date Received:** 2/24/2014 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EPH RANGES - MADEP EPH

Analyst: KG

Prep Method: (eph_Wpr)	Prep Date: 2/27/2014 8:59:58 AM					
Adjusted C11-C22 Aromatics	ND	103		µg/L	1	2/28/2014
C09-C18 Aliphatics	ND	103		µg/L	1	2/28/2014
C19-C36 Aliphatics	ND	103		µg/L	1	2/28/2014
Unadjusted C11-C22 Aromatics	ND	103		µg/L	1	2/28/2014
Surr: 1-Chlorooctadecane	94.4	40-140		%REC	1	2/28/2014
Surr: o-Terphenyl	102	40-140		%REC	1	2/28/2014

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method: (eph_Wpr)	Prep Date: 2/27/2014 8:59:58 AM					
Naphthalene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
2-Methylnaphthalene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Acenaphthene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Phenanthrene	3.11	1.03		µg/L	1	2/28/2014 5:10:00 PM
Acenaphthylene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Fluorene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Anthracene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Fluoranthene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Pyrene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Benzo(a)Anthracene	ND	0.412		µg/L	1	2/28/2014 5:10:00 PM
Chrysene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Benzo(b)Fluoranthene	ND	0.206		µg/L	1	2/28/2014 5:10:00 PM
Benzo(k)Fluoranthene	ND	0.206		µg/L	1	2/28/2014 5:10:00 PM
Benzo(a)Pyrene	ND	0.196		µg/L	1	2/28/2014 5:10:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.412		µg/L	1	2/28/2014 5:10:00 PM
Dibenz(a,h)Anthracene	ND	0.412		µg/L	1	2/28/2014 5:10:00 PM
Benzo(g,h,i)Perylene	ND	1.03		µg/L	1	2/28/2014 5:10:00 PM
Total PAH Target Concentration	3.11	0.206		µg/L	1	2/28/2014 5:10:00 PM
Surr: 2,2-Difluorobiphenyl	89.9	40-140		%REC	1	2/28/2014 5:10:00 PM
Surr: 2-Fluorobiphenyl	69.8	40-140		%REC	1	2/28/2014 5:10:00 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
 RL Reporting Limit S Spike Recovery outside recovery limits

ANALYTICAL REPORT

Reported Date: 05-Mar-14

CLIENT: Compliance Environmental

Client Sample ID: MW-106

Lab Order: 1402167

Tag Number:

Project:

Collection Date: 2/23/2014 11:30:00 AM

Lab ID: 1402167-001B

Date Received: 2/24/2014

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VPH - MADEP VPH

Analyst: ZC

Prep Method:

Prep Date:

C9-C10 Aromatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 7:02:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 7:02:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 7:02:00 AM
Methyl Tert-Butyl Ether	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
Benzene	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
Toluene	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
Ethylbenzene	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
m,p-Xylene	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
o-Xylene	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
Naphthalene	ND	1.00		µg/L	1	2/26/2014 7:02:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 7:02:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100		µg/L	1	2/26/2014 7:02:00 AM
Surr: 2,5-Dibromotoluene FID	83.2	70-130		%REC	1	2/26/2014 7:02:00 AM
Surr: 2,5-Dibromotoluene PID	92.2	70-130		%REC	1	2/26/2014 7:02:00 AM

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 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: 05-Mar-14

CLIENT: Compliance Environmental **Client Sample ID:** MW-VD
Lab Order: 1402167 **Tag Number:**
Project: **Collection Date:** 2/23/2014 12:40:00 PM
Lab ID: 1402167-002A **Date Received:** 2/24/2014 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	Prep Date:	2/27/2014 8:59:58 AM			
Adjusted C11-C22 Aromatics	ND	102		µg/L	1	2/28/2014
C09-C18 Aliphatics	ND	102		µg/L	1	2/28/2014
C19-C36 Aliphatics	ND	102		µg/L	1	2/28/2014
Unadjusted C11-C22 Aromatics	ND	102		µg/L	1	2/28/2014
Surr: 1-Chlorooctadecane	82.6	40-140		%REC	1	2/28/2014
Surr: o-Terphenyl	97.6	40-140		%REC	1	2/28/2014

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method:	(eph_Wpr)	Prep Date:	2/27/2014 8:59:58 AM			
Naphthalene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
2-Methylnaphthalene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Acenaphthene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Phenanthrene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Acenaphthylene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Fluorene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Anthracene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Fluoranthene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Pyrene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Benzo(a)Anthracene	ND	0.408		µg/L	1	2/28/2014 5:49:00 PM
Chrysene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Benzo(b)Fluoranthene	ND	0.204		µg/L	1	2/28/2014 5:49:00 PM
Benzo(k)Fluoranthene	ND	0.204		µg/L	1	2/28/2014 5:49:00 PM
Benzo(a)Pyrene	ND	0.194		µg/L	1	2/28/2014 5:49:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.408		µg/L	1	2/28/2014 5:49:00 PM
Dibenz(a,h)Anthracene	ND	0.408		µg/L	1	2/28/2014 5:49:00 PM
Benzo(g,h,i)Perylene	ND	1.02		µg/L	1	2/28/2014 5:49:00 PM
Total PAH Target Concentration	ND	0.204		µg/L	1	2/28/2014 5:49:00 PM
Surr: 2,2-Difluorobiphenyl	79.8	40-140		%REC	1	2/28/2014 5:49:00 PM
Surr: 2-Fluorobiphenyl	60.5	40-140		%REC	1	2/28/2014 5:49:00 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
	RL 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: 05-Mar-14

CLIENT: Compliance Environmental **Client Sample ID:** MW-VD
Lab Order: 1402167 **Tag Number:**
Project: **Collection Date:** 2/23/2014 12:40:00 PM
Lab ID: 1402167-002B **Date Received:** 2/24/2014 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VPH - MADEP VPH

Analyst: ZC

Prep Method:	Prep Date:					
C9-C10 Aromatic Hydrocarbons		ND	100	µg/L	1	2/26/2014 7:42:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons		ND	100	µg/L	1	2/26/2014 7:42:00 AM
Unadjusted C9-C12 Aliphatic Hydrocarbons		ND	100	µg/L	1	2/26/2014 7:42:00 AM
Methyl Tert-Butyl Ether		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
Benzene		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
Toluene		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
Ethylbenzene		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
m,p-Xylene		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
o-Xylene		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
Naphthalene		ND	1.00	µg/L	1	2/26/2014 7:42:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons		ND	100	µg/L	1	2/26/2014 7:42:00 AM
Adjusted C9-C12 Aliphatic Hydrocarbons		ND	100	µg/L	1	2/26/2014 7:42:00 AM
Surr: 2,5-Dibromotoluene FID		84.3	70-130	%REC	1	2/26/2014 7:42:00 AM
Surr: 2,5-Dibromotoluene PID		85.4	70-130	%REC	1	2/26/2014 7:42:00 AM

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
	RL	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: 05-Mar-14

CLIENT: Compliance Environmental **Client Sample ID:** MW-108
Lab Order: 1402167 **Tag Number:**
Project: **Collection Date:** 2/23/2014 1:30:00 PM
Lab ID: 1402167-003A **Date Received:** 2/24/2014 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EPH RANGES - MADEP EPH

Analyst: KG

Prep Method: (eph_Wpr)	Prep Date: 2/27/2014 8:59:58 AM
Adjusted C11-C22 Aromatics	ND 103 µg/L 1 2/28/2014
C09-C18 Aliphatics	ND 103 µg/L 1 2/28/2014
C19-C36 Aliphatics	ND 103 µg/L 1 2/28/2014
Unadjusted C11-C22 Aromatics	ND 103 µg/L 1 2/28/2014
Surr: 1-Chlorooctadecane	67.1 40-140 %REC 1 2/28/2014
Surr: o-Terphenyl	104 40-140 %REC 1 2/28/2014

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method: (eph_Wpr)	Prep Date: 2/27/2014 8:59:58 AM
Naphthalene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
2-Methylnaphthalene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Acenaphthene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Phenanthrene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Acenaphthylene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Fluorene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Anthracene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Fluoranthene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Pyrene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Benzo(a)Anthracene	ND 0.412 µg/L 1 2/28/2014 6:27:00 PM
Chrysene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Benzo(b)Fluoranthene	ND 0.206 µg/L 1 2/28/2014 6:27:00 PM
Benzo(k)Fluoranthene	ND 0.206 µg/L 1 2/28/2014 6:27:00 PM
Benzo(a)Pyrene	ND 0.196 µg/L 1 2/28/2014 6:27:00 PM
Indeno(1,2,3-cd)Pyrene	ND 0.412 µg/L 1 2/28/2014 6:27:00 PM
Dibenz(a,h)Anthracene	ND 0.412 µg/L 1 2/28/2014 6:27:00 PM
Benzo(g,h,i)Perylene	ND 1.03 µg/L 1 2/28/2014 6:27:00 PM
Total PAH Target Concentration	ND 0.206 µg/L 1 2/28/2014 6:27:00 PM
Surr: 2,2-Difluorobiphenyl	92.2 40-140 %REC 1 2/28/2014 6:27:00 PM
Surr: 2-Fluorobiphenyl	70.3 40-140 %REC 1 2/28/2014 6:27:00 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
RL 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: 05-Mar-14

CLIENT: Compliance Environmental **Client Sample ID:** MW-105
Lab Order: 1402167 **Tag Number:**
Project: **Collection Date:** 2/23/2014 3:00:00 PM
Lab ID: 1402167-004A **Date Received:** 2/24/2014 **Matrix:** GROUNDWATER

Analyses **Result** **RL** **Qual** **Units** **DF** **Date Analyzed**

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	Prep Date:	2/27/2014 8:59:58 AM			
Adjusted C11-C22 Aromatics	ND	103	µg/L	1	2/28/2014	
C09-C18 Aliphatics	ND	103	µg/L	1	2/28/2014	
C19-C36 Aliphatics	ND	103	µg/L	1	2/28/2014	
Unadjusted C11-C22 Aromatics	ND	103	µg/L	1	2/28/2014	
Surr: 1-Chlorooctadecane	60.5	40-140	%REC	1	2/28/2014	
Surr: o-Terphenyl	100	40-140	%REC	1	2/28/2014	

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method:	(eph_Wpr)	Prep Date:	2/27/2014 8:59:58 AM			
Naphthalene	4.06	1.03	µg/L	1	2/28/2014 7:05:00 PM	
2-Methylnaphthalene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Acenaphthene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Phenanthrene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Acenaphthylene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Fluorene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Anthracene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Fluoranthene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Pyrene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Benzo(a)Anthracene	ND	0.412	µg/L	1	2/28/2014 7:05:00 PM	
Chrysene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Benzo(b)Fluoranthene	ND	0.206	µg/L	1	2/28/2014 7:05:00 PM	
Benzo(k)Fluoranthene	ND	0.206	µg/L	1	2/28/2014 7:05:00 PM	
Benzo(a)Pyrene	ND	0.196	µg/L	1	2/28/2014 7:05:00 PM	
Indeno(1,2,3-cd)Pyrene	ND	0.412	µg/L	1	2/28/2014 7:05:00 PM	
Dibenz(a,h)Anthracene	ND	0.412	µg/L	1	2/28/2014 7:05:00 PM	
Benzo(g,h,i)Perylene	ND	1.03	µg/L	1	2/28/2014 7:05:00 PM	
Total PAH Target Concentration	4.06	0.206	µg/L	1	2/28/2014 7:05:00 PM	
Surr: 2,2-Difluorobiphenyl	85.6	40-140	%REC	1	2/28/2014 7:05:00 PM	
Surr: 2-Fluorobiphenyl	65.6	40-140	%REC	1	2/28/2014 7:05:00 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
 RL 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: 05-Mar-14

CLIENT: Compliance Environmental
Lab Order: 1402167
Project:
Lab ID: 1402167-005A

Client Sample ID: MW-107
Tag Number:
Collection Date: 2/23/2014 4:30:00 PM
Matrix: GROUNDWATER

Date Received: 2/24/2014

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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EPH RANGES - MADEP EPH

Analyst: KG

Prep Method: (eph_Wpr)	Prep Date: 2/27/2014 8:59:58 AM					
Adjusted C11-C22 Aromatics	ND	104		µg/L	1	2/28/2014
C09-C18 Aliphatics	ND	104		µg/L	1	2/28/2014
C19-C36 Aliphatics	ND	104		µg/L	1	2/28/2014
Unadjusted C11-C22 Aromatics	ND	104		µg/L	1	2/28/2014
Surr: 1-Chlorooctadecane	66.5	40-140		%REC	1	2/28/2014
Surr: o-Terphenyl	107	40-140		%REC	1	2/28/2014

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Method: (eph_Wpr)	Prep Date: 2/27/2014 8:59:58 AM					
Naphthalene	1.84	1.04		µg/L	1	2/28/2014 7:43:00 PM
2-Methylnaphthalene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Acenaphthene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Phenanthrene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Acenaphthylene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Fluorene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Anthracene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Fluoranthene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Pyrene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Benzo(a)Anthracene	ND	0.417		µg/L	1	2/28/2014 7:43:00 PM
Chrysene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Benzo(b)Fluoranthene	ND	0.208		µg/L	1	2/28/2014 7:43:00 PM
Benzo(k)Fluoranthene	ND	0.208		µg/L	1	2/28/2014 7:43:00 PM
Benzo(a)Pyrene	ND	0.198		µg/L	1	2/28/2014 7:43:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.417		µg/L	1	2/28/2014 7:43:00 PM
Dibenz(a,h)Anthracene	ND	0.417		µg/L	1	2/28/2014 7:43:00 PM
Benzo(g,h,i)Perylene	ND	1.04		µg/L	1	2/28/2014 7:43:00 PM
Total PAH Target Concentration	1.84	0.208		µg/L	1	2/28/2014 7:43:00 PM
Surr: 2,2-Difluorobiphenyl	78.8	40-140		%REC	1	2/28/2014 7:43:00 PM
Surr: 2-Fluorobiphenyl	60.4	40-140		%REC	1	2/28/2014 7:43:00 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
RL	Reporting Limit	S Spike Recovery outside recovery limits

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL QC SUMMARY REPORT

Date: 05-Mar-14

CLIENT: Compliance Environmental
Work Order: 1402167
Project:

TestCode: EPHP_W

Sample ID:	MBLK	SampType:	EPHP_W	Units:	µg/L	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	RunNo:	SeqNo:	Prep Date:	Analysis Date:						
																		2/27/2014	2/28/2014						
Client ID:	ZZZZZ	Batch ID:	23763															53734	603730						
Analyte	Result																								
Naphthalene	ND																								
2-Methylnaphthalene	ND																								
Acenaphthene	ND																								
Phenanthrene	ND																								
Acenaphthylene	ND																								
Fluorene	ND																								
Anthracene	ND																								
Fluoranthene	ND																								
Pyrene	ND																								
Benzo(a)Anthracene	ND																								
Chrysene	ND																								
Benzo(b)Fluoranthene	ND																								
Benzo(k)Fluoranthene	ND																								
Benzo(a)Pyrene	ND																								
Indeno(1,2,3-cd)Pyrene	ND																								
Dibenz(a,h)Anthracene	ND																								
Benzo(g,h,i)Perylene	ND																								
Total PAH Target Concentration	ND																								
Surr: 2,2-Difluorobiphenyl	20.40																25	0	81.6	40	140				
Surr: 2-Fluorobiphenyl	15.77																25	0	63.1	40	140				

Sample ID:	LCS	SampType:	EPHP_W	Units:	µg/L	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	RunNo:	SeqNo:	Prep Date:	Analysis Date:						
																		2/27/2014	2/28/2014						
Client ID:	ZZZZZ	Batch ID:	23763															53734	603731						
Analyte	Result																								
Naphthalene	19.43																50	0	38.9	40	140				

Qualifiers: BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside recovery limits
 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: Compliance Environmental

Work Order: 1402167

Project:

TestCode: EPHP_W

Sample ID: LCS-23763	SampType: LCS	TestCode: EPHP_W	Units: µg/L	Prep Date: 2/27/2014	RunNo: 53734
Client ID: ZZZZZ	Batch ID: 23763	TestNo: MADEP EPH_ (eph_Wpr)		Analysis Date: 2/28/2014	SeqNo: 603731

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	27.29	1.00	50	0	54.6	40	140				
Acenaphthene	27.56	1.00	50	0	55.2	40	140				
Phenanthrene	33.69	1.00	50	0	67.4	40	140				
Acenaphthylene	22.70	1.00	50	0	45.4	40	140				
Fluorene	29.55	1.00	50	0	59.1	40	140				
Anthracene	31.03	1.00	50	0	62.1	40	140				
Fluoranthene	36.15	1.00	50	0	76.3	40	140				
Pyrene	29.93	1.00	50	0	59.9	40	140				
Benzo(a)Anthracene	35.01	0.400	50	0	70.0	40	140				
Chrysene	31.62	1.00	50	0	63.2	40	140				
Benzo(b)Fluoranthene	44.81	0.200	50	0	89.6	40	140				
Benzo(k)Fluoranthene	43.09	0.200	50	0	86.2	40	140				
Benzo(a)Pyrene	36.46	0.190	50	0	72.9	40	140				
Indeno(1,2,3-cd)Pyrene	40.03	0.400	50	0	80.1	40	140				
Dibenz(a,h)Anthracene	37.65	0.400	50	0	75.3	40	140				
Benzo(g,h,i)Perylene	38.45	1.00	50	0	76.9	40	140				
Surr: 2,2-Difluorobiphenyl	22.52	0	25	0	90.1	40	140				
Surr: 2-Fluorobiphenyl	17.90	0	25	0	71.6	40	140				

Sample ID: LCS2-23763	SampType: LCS2	TestCode: EPHP_W	Units: µg/L	Prep Date: 2/27/2014	RunNo: 53734
Client ID: ZZZZZ	Batch ID: 23763	TestNo: MADEP EPH_ (eph_Wpr)		Analysis Date: 2/28/2014	SeqNo: 603732

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	22.57	1.00	50	0	45.1	40	140	19.43	15.0	25	
2-Methylnaphthalene	31.29	1.00	50	0	62.6	40	140	27.29	13.7	25	
Acenaphthene	30.42	1.00	50	0	60.8	40	140	27.58	9.79	25	
Phenanthrene	36.83	1.00	50	0	73.7	40	140	33.69	8.91	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
	RL	Reporting Limit	S	Spike Recovery outside recovery limits		

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CLIENT: Compliance Environmental

Work Order: 1402167

Project:

TestCode: EPHP_W

Sample ID: LGS2-23763	Samp Type: LCSD	TestCode: EPHP_W	Units: µg/L	Prep Date: 2/27/2014	RunNo: 53734						
Client ID: ZZZZZ	Batch ID: 23763	TestNo: MADEP EPH_ (eph_Wpr)		Analysis Date: 2/28/2014	SeqNo: 603732						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthylene	24.38	1.00	50	0	48.8	40	140	22.7	7.14	25	
Fluorene	31.30	1.00	50	0	62.6	40	140	29.55	5.75	25	
Anthracene	33.08	1.00	50	0	66.2	40	140	31.03	6.40	25	
Fluoranthene	40.46	1.00	50	0	80.9	40	140	38.15	5.88	25	
Pyrene	32.28	1.00	50	0	64.6	40	140	29.93	7.56	25	
Benzo(a)Anthracene	36.48	0.400	50	0	73.0	40	140	35.01	4.11	25	
Chrysene	33.22	1.00	50	0	66.4	40	140	31.62	4.94	25	
Benzo(b)Fluoranthene	54.03	0.200	50	0	108	40	140	44.81	18.7	25	
Benzo(k)Fluoranthene	44.64	0.200	50	0	89.3	40	140	43.09	3.53	25	
Benzo(a)Pyrene	37.93	0.190	50	0	75.9	40	140	36.46	3.95	25	
Indeno(1,2,3-cd)Pyrene	40.57	0.400	50	0	81.1	40	140	40.03	1.34	25	
Dibenz(a,h)Anthracene	37.06	0.400	50	0	74.1	40	140	37.65	1.58	25	
Benzo(g,h,i)Perylene	39.85	1.00	50	0	79.7	40	140	38.45	3.58	25	
Surr: 2,2-Difluorobiphenyl	24.96	0	25	0	99.8	40	140	0	0	0	
Surr: 2-Fluorobiphenyl	19.08	0	25	0	76.3	40	140	0	0	0	

Qualifiers: BRL Below Reporting Limit

J Analyte detected below quantitation limits

RL Reporting Limit

E Value above quantitation range

ND Not Detected at the Reporting Limit

S Spike Recovery outside recovery limits

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: Compliance Environmental

Work Order: 1402167

Project:

TestCode: eph_t_w

Sample ID: MB-23753	SampType: mbik	TestCode: eph_t_w	Units: µg/L	Prep Date: 2/27/2014	RunNo: 53748						
Client ID: ZZZZZ	Batch ID: 23753	TestNo: MADEP EPH	(eph_Wprt)	Analysis Date: 2/28/2014	SeqNo: 603912						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Adjusted C11-C22 Aromatics	ND	100									
C09-C18 Aliphatics	ND	100									
C19-C36 Aliphatics	ND	100									
Unadjusted C11-C22 Aromatics	ND	100									
Surr: 1-Chlorooctadecane	74.99	0	100	0	75.0	40	140				
Surr: o-Terphenyl	99.43	0	100	0	99.4	40	140				

Sample ID: LCS-23753	SampType: Lcs	TestCode: eph_t_w	Units: µg/L	Prep Date: 2/27/2014	RunNo: 53748						
Client ID: ZZZZZ	Batch ID: 23753	TestNo: MADEP EPH	(eph_Wprt)	Analysis Date: 2/28/2014	SeqNo: 603913						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

C09-C18 Aliphatics	ND	100	100	0	60.9	40	140				
C19-C36 Aliphatics	105.8	100	100	0	106	40	140				
Unadjusted C11-C22 Aromatics	ND	100	100	0	74.9	40	140				
Surr: 1-Chlorooctadecane	87.30	0	100	0	87.3	40	140				
Surr: o-Terphenyl	103.6	0	100	0	104	40	140				

Sample ID: LCS2-23753	SampType: Lcsd	TestCode: eph_t_w	Units: µg/L	Prep Date: 2/27/2014	RunNo: 53748						
Client ID: ZZZZZ	Batch ID: 23753	TestNo: MADEP EPH	(eph_Wprt)	Analysis Date: 2/28/2014	SeqNo: 603914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

C09-C18 Aliphatics	ND	100	100	0	65.6	40	140	60.87	0	25	
C19-C36 Aliphatics	114.5	100	100	0	115	40	140	105.8	7.93	25	
Unadjusted C11-C22 Aromatics	ND	100	100	0	76.8	40	140	74.92	0	25	
Surr: 1-Chlorooctadecane	84.97	0	100	0	85.0	40	140	0	0	0	
Surr: o-Terphenyl	96.19	0	100	0	96.2	40	140	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
	RL	Reporting Limit	S	Spike Recovery outside recovery limits		

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CLIENT: Compliance Environmental

Work Order: 1402167

Project:

TestCode: VPH_W2

Sample ID: MBLK	Sample Type: MBLK	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53714						
Client ID: ZZZZZ	Batch ID: R63714	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603575						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trimethylbenzene	ND	1.00									
2,2,4-Trimethylpentane	ND	1.00									
2-Methylpentane	ND	1.00									
n-Butylcyclohexane	ND	1.00									
n-Decane	ND	1.00									
n-Nonane	ND	1.00									
n-Pentane	ND	1.00									
C9-C10 Aromatic Hydrocarbons	ND	100									
Unadjusted C5-C8 Aliphatic Hydrocarbon	ND	100									
Unadjusted C9-C12 Aliphatic Hydrocarbon	ND	100									
Methyl Tert-Butyl Ether	ND	1.00									
Benzene	ND	1.00									
Toluene	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Naphthalene	ND	1.00									
Adjusted C5-C8 Aliphatic Hydrocarbons	ND	100									
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100									
Surr: 2,5-Dibromotoluene FID	87.96	0	100		88.0	70		130			
Surr: 2,5-Dibromotoluene PID	88.78	0	100		88.8	70		130			

Sample ID: LCS	Sample Type: LCS	TestCode: VPH_W2	Units: µg/L	Prep Date:	RunNo: 53714						
Client ID: ZZZZZ	Batch ID: R63714	TestNo: VPH		Analysis Date: 2/26/2014	SeqNo: 603573						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trimethylbenzene	80.47	1.00	100	0.27	80.2	70		130			
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Qualifiers:	BRL	Below Reporting Limit	E	Value above quantization 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
	RL	Reporting Limit	S	Spikes Recovery outside recovery limits		

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CLIENT: Compliance Environmental

Work Order: 1402167

Project:

TestCode: VPH_W2

Sample ID: LCS SampType: LCS TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 53714
 Client ID: ZZZZZ Batch ID: R63714 TestNo: VPH Analysis Date: 2/26/2014 SeqNo: 603573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2,4-Trimethylpentane	75.33	1.00	100	0.1	75.2	70	130				
2-Methylpentane	93.79	1.00	100	0	93.8	70	130				
n-Butylcyclohexane	97.41	1.00	100	0.0264	97.4	70	130				
n-Decane	99.91	1.00	100	0.02203	99.9	70	130				
n-Nonane	109.4	1.00	100	0.002728	109	30	130				
n-Pentane	114.8	1.00	100	0	115	70	130				
C9-C10 Aromatic Hydrocarbons	ND	100	100	0	84.2	70	130				
Unadjusted C5-C8 Aliphatic Hydrocarbon	293.0	100	300	0	97.7	70	130				
Unadjusted C9-C12 Aliphatic Hydrocarbo	223.5	100	300	0	74.5	70	130				
Methyl Tert-Butyl Ether	94.27	1.00	100	0	94.3	70	130				
Benzene	83.07	1.00	100	0.14	82.9	70	130				
Toluene	83.93	1.00	100	0.2	83.7	70	130				
Ethylbenzene	88.71	1.00	100	0.3	88.4	70	130				
m,p-Xylene	158.1	1.00	200	0.22	78.9	70	130				
o-Xylene	92.10	1.00	100	0.22	91.9	70	130				
Naphthalene	86.53	1.00	100	0	86.5	70	130				
Surr: 2,5-Dibromotoluene FID	89.60	0	100	0	89.6	70	130				
Surr: 2,5-Dibromotoluene PID	84.06	0	100	0	84.1	70	130				

Sample ID: LCS SampType: LCS TestCode: VPH_W2 Units: µg/L Prep Date: RunNo: 53714
 Client ID: ZZZZZ Batch ID: R63714 TestNo: VPH Analysis Date: 2/26/2014 SeqNo: 603574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	82.34	1.00	100	0.27	82.1	70	130	80.47	2.30	25	
2,2,4-Trimethylpentane	100.5	1.00	100	0.1	100	70	130	75.33	28.7	25	R
2-Methylpentane	88.64	1.00	100	0	88.6	70	130	93.79	5.65	25	
n-Butylcyclohexane	127.8	1.00	100	0.0264	128	70	130	97.41	27.0	25	R

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

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CLIENT: Compliance Environmental
 Work Order: 1402167
 Project:

TestCode: VPH_W2

Sample ID:	LCSD	SampleType:	LCSD	TestCode:	VPH_W2	Units:	µg/L	Prep Date:	RunNo:	53714	
Client ID:	ZZZZ	Batch ID:	R53714	TestNo:	VPH			Analysis Date:	2/28/2014	SeqNo:	603574
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	148.5	1.00	100	0.02203	148	70	130	99.91	39.1	25	SR
n-Nonane	129.4	1.00	100	0.002728	129	30	130	109.4	16.7	25	
n-Pentane	106.0	1.00	100	0	106	70	130	114.8	7.97	25	
C9-C10 Aromatic Hydrocarbons	ND	100	0	0	84.2	70	130	84.18	0.0475	25	
Unadjusted C5-C8 Aliphatic Hydrocarbon	300.5	100	300	0	100	70	130	293	2.54	25	
Unadjusted C9-C12 Aliphatic Hydrocarbo	316.0	100	300	0	105	70	130	223.5	34.3	25	R
Methyl Tert-Butyl Ether	95.85	1.00	100	0	95.8	70	130	94.27	1.66	25	
Benzene	81.81	1.00	100	0.14	81.7	70	130	83.07	1.53	25	
Toluene	82.17	1.00	100	0.2	82.0	70	130	83.98	2.12	25	
Ethylbenzene	80.81	1.00	100	0.3	80.5	70	130	88.71	9.32	25	
m,p-Xylene	159.3	1.00	200	0.22	79.5	70	130	158.1	0.756	25	
o-Xylene	85.61	1.00	100	0.22	85.4	70	130	92.1	7.30	25	
Naphthalene	110.8	1.00	100	0	111	70	130	86.53	24.6	25	
Surr: 2,5-Dibromotoluene FID	88.36	0	100	0	88.4	70	130	0	0	0	
Surr: 2,5-Dibromotoluene PID	86.33	0	100	0	86.3	70	130	0	0	0	

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

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Appendix B

Analytical Tables

TABLE 7

**LAB ANALYSIS AND FIELD SCREENING RESULTS
GROUNDWATER SAMPLES COLLECTED JULY 18, 2013
377 MAIN ST., WAREHAM, MA (RTN: 4-11961)**

MONITORING WELL	NITRATE (as N) (1)	TOTAL (1) PHOSPHOROUS	pH (2)	TEMP (2) degrees C	SPEC. COND. (2) umhos/cm	DISSOLVED OXYGEN (2) (PPM)
MW-102	1.58 mg/L	0.684 mg/L	6.60	12.62	735	6.10
MW-107	0.311 mg/L	0.316 mg/L	6.80	12.98	310	5.95

Notes:

- 1 Nitrate and Total Phosphorous analyzed in the Lab, see July 29, 2013 Lab Report in Appendix A,
- 2 These parameters determined in the field using portable field instrumentation,

TABLE 8A**VPH ANALYSIS****GROUNDWATER SAMPLES COLLECTED SEPTEMBER 2, 2013****377 MAIN ST., WAREHAM, MA (RTN: 4-11961)**

(All Presented Standards and Analytical Results Expressed in Parts per Billion (ppb) or ug/L)

VPH TEST PARAMETER	MCP STANDARDS (1) (2)		MW-101 (3)
	GW-2	GW-3	
C9-C10 Aromatic Hydrocarbons	7,000	50,000	1,390
C5-C8 Aliphatic Hydrocarbons	3,000	50,000	713
C9-C12 Aliphatic Hydrocarbons	5,000	50,000	ND
MTBE (4)	50,000	50,000	ND (5)
Benzene	2,000	10,000	ND
Toluene	50,000	40,000	17.8
Ethylbenzene	20,000	5,000	124
m,p-Xylene	9,000	5,000	275
o-Xylene	9,000	5,000	81.7
Naphthalene	1,000	20,000	ND

Notes:

- 1 Massachusetts Contingency Plan (MCP) Groundwater Standards as per 310 CMR 40.0974(2)
- 2 All Presented Standards and Analytical Results are in Parts per Billion (ppb) or ug/L.
- 3 MW-101 Indicates Groundwater Monitoring Well MW-101– See Figure 2 for Approximate Locations.
- 4 MTBE: Methyl Tert Butyl Ether
- 5 ND Not Detected above the Instrument Reporting Limit (RL) – See Appendix A Lab Report for RLs.

TABLE 8B**EPH ANALYSIS****GROUNDWATER SAMPLES COLLECTED SEPTEMBER 2, 2013****377 MAIN ST., WAREHAM, MA (RTN: 4-11961)**

(All Presented Standards and Analytical Results Expressed in Parts per Billion (ppb) or ug/L)

EPH TEST PARAMETER	MCP STANDARDS (1) (2)		MW-105 (2)	MW-106 (2)
	GW-2	GW-3		
C11-C22 Aromatic Hydrocarbons	50,000	5,000	744	405
C9-C18 Aliphatic Hydrocarbons	5,000	50,000	724	234
C19-C36 Aliphatic Hydrocarbons	NA	50,000	251	350
EPH Target Analytes (4)				
Naphthalene	1,000	20,000	16.3	ND (3)
2 - Methyl-naphthalene	2,000	20,000	26.3	1.48
Acenaphthene	NA	6,000	1.34	ND
Phenanthrene	NA	10,000	4.33	3.97
Fluorene	NA	40	ND	ND
Pyrene	NA	20	ND	ND

Notes:

- 1 Massachusetts Contingency Plan (MCP) Groundwater Standards as per 310 CMR 40.0974(2)
- 2 All Presented Standards and Analytical Results are in Parts per Billion (ppb) or ug/L.
- 3 ND Not Detected above the Instrument Reporting Limit (RL) – See Appendix A Lab Report for RLs.
- 4 Only those Target Analytes Identified above the RL are below, see Lab Report for Full Listing

TABLE 9A
LAB ANALYSIS AND FIELD SCREENING RESULTS
GROUNDWATER SAMPLES COLLECTED OCTOBER 22, 2013
377 MAIN ST., WAREHAM, MA (RTN: 4-11961)

MONITORING WELL	TOTAL PHOSPHOROUS (1) In mg/L	ORTHO-PHOSPHATE (1) In mg/L	NH ₃ (1) AMMONIA as N in mg/L	HPC (1) HETERO-TROPHIC PLATE COUNT In CFU/ml	SURFAC-TANTS (1) (MBAS) in mg/L	NO ₃ (1) NITRATE in mg/L	SPEC. COND. (1) umhos/cm	TEMP (2) degrees C	pH (2)
MW-102	1.12	ND (3)	13.9	1600	0.61	ND	940	11.83	6.80
MW-VD	0.212	ND	0.070	7700	0.070	1.93	440	12.10	6.83
MW-107	0.675	ND	0.080	1100	ND	2.65	200	11.90	6.65

Notes:

- 1 All the parameters showing (1) were analyzed by the Lab, see the 11/1/2013 Lab in Appendix A.
- 2 The two parameters (temperature and pH) were analyzed in the field with portable instrumentation.
- 3 ND: Not detected above the instrument Reporting Limit (RL); see the 11/1/2013 for the RLs.

TABLE 9B
VPH ANALYSIS OF MW-102
GROUNDWATER SAMPLE COLLECTED OCTOBER 22, 2013
377 MAIN ST., WAREHAM, MA (RTN: 4-11961)

(All Presented Standards and Analytical Results Expressed in Parts per Billion (ppb) or ug/L)

VPH TEST PARAMETER	MCP STANDARDS (1) (2)		MW-102
	GW-2	GW-3	
C9-C10 Aromatic Hydrocarbons	7,000	50,000	ND (3)
C5-C8 Aliphatic Hydrocarbons	3,000	50,000	ND
C9-C12 Aliphatic Hydrocarbons	5,000	50,000	ND
ALL VOLATILE ORGANIC COMPOUNDS (VOCs)	Not Applicable, No Identified concentrations	Not Applicable, No Identified concentrations	No VOC Concentrations Detected Above the Reporting Limit (3)

Notes:

- 1 Massachusetts Contingency Plan (MCP) Groundwater Standards as per 310 CMR 40.0974(2)
- 2 All Presented Standards and Analytical Results are in Parts per Billion (ppb) or ug/L.
- 3 ND Not Detected above the Instrument Reporting Limit (RL) – See Appendix A: 11/1/2013 Lab Report for RLs.

TABLE 9C
EPH ANALYSIS OF MW-VD and MW-107
GROUNDWATER SAMPLES COLLECTED OCTOBER 22, 2013
377 MAIN ST., WAREHAM, MA (RTN: 4-11961)

(All Presented Standards and Analytical Results Expressed in Parts per Billion (ppb) or ug/L)

EPH TEST PARAMETER	MCP STANDARDS (1) (2)		MW-VD (2)	MW-107 (2)
	GW-2	GW-3		
C11-C22 Aromatic Hydrocarbons	50,000	5,000	7338	ND
C9-C18 Aliphatic Hydrocarbons	5,000	50,000	ND	ND
C19-C36 Aliphatic Hydrocarbons	NA	50,000	ND	ND
EPH Target Analytes (4)				
2 - Methylnaphthalene	2,000	20,000	1.74	ND

Notes:

- 1 Massachusetts Contingency Plan (MCP) Groundwater Standards as per 310 CMR 40.0974(2)
- 2 All Presented Standards and Analytical Results are in Parts per Billion (ppb) or ug/L.
- 3 ND Not Detected above the Instrument Reporting Limit (RL) – See Appendix A Lab Report for RLs.
- 4 Only those Target Analytes Identified above the RL are Listed Below, see Lab Report for Full Listing

TABLE 10
VPH ANALYSIS
GROUNDWATER SAMPLES COLLECTED 2/22/2014 & 2/23/2014
377 MAIN ST., WAREHAM, MA (RTN: 4-11961)

(All Presented Standards and Analytical Results Expressed in Parts per Billion (ppb) or ug/L)

VPH TEST PARAMETER	MCP STANDARDS (1) (2)		MW-101 (3)	MW-102	MW-103	MW-104	MW-106	MW-VD
	GW-2	GW-3						
C9-C10 Aromatic Hydrocarbons	7,000	50,000	859	110	287	ND	ND	ND
C5-C8 Aliphatic Hydrocarbons	3,000	50,000	742	ND (5)	ND	ND	ND	ND
C9-C12 Aliphatic Hydrocarbons	5,000	50,000	764	392	358	ND	ND	ND
MTBE (4)	50,000	50,000	ND	ND	ND	ND	ND	ND
Benzene	2,000	10,000	ND	ND	ND	ND	ND	ND
Toluene	50,000	40,000	1.76	ND	ND	ND	ND	ND
Ethylbenzene	20,000	5,000	188	ND	18.7	ND	ND	ND
m,p-Xylene	9,000	5,000	428	ND	84.6	ND	ND	ND
o-Xylene	9,000	5,000	21.0	ND	ND	ND	ND	5.31
Naphthalene	1,000	20,000	ND	ND	ND	ND	ND	ND

Notes:

- 1 Massachusetts Contingency Plan (MCP) Groundwater Standards as per 310 CMR 40.0974(2)
- 2 All Presented Standards and Analytical Results are in Parts per Billion (ppb) or ug/L.
- 3 MW-101 Indicates Groundwater Monitoring Well MW-101– See Figure 2 for Approximate Locations.
- 4 MTBE: Methyl Tert Butyl Ether
- 5 ND Not Detected above the Instrument Reporting Limit (RL) – See Appendix A Lab Report for RLs.

TABLE 11
EPH ANALYSIS
GROUNDWATER SAMPLES COLLECTED 2/23/2014
377 MAIN ST., WAREHAM, MA (RTN: 4-11961)

(All Presented Standards and Analytical Results Expressed in Parts per Billion (ppb) or ug/L)

EPH TEST PARAMETER	MCP STANDARDS (1) (2)		MW-105 (3)	MW-106	MW-107	MW-108	MW-VD
	GW-2	GW-3					
C11-C22 Aromatic Hydrocarbons	50,000	5,000	ND (4)	ND	ND	ND	ND
C9-C18 Aliphatic Hydrocarbons	5,000	50,000	ND	ND	ND	ND	ND
C19-C36 Aliphatic Hydrocarbons	NA (7)	50,000	ND	ND	ND	ND	ND
EPH Target Analytes (5)							
Naphthalene	1,000	20,000	4.06	ND	1.84	ND	ND
2 - Methyl naphthalene	2,000	20,000	ND	ND	ND	ND	ND
Acenaphthene	NA	6,000	ND	ND	ND	ND	ND
Phenanthrene	NA	10,000	ND	3.11	ND	ND	ND
Fluorene	NA	40	ND	ND	ND	ND	ND
Pyrene	NA	20	ND	ND	ND	ND	ND

Notes:

- 1 Massachusetts Contingency Plan (MCP) Groundwater Standards as per 310 CMR 40.0974(2)
- 2 All Presented Standards and Analytical Results are in Parts per Billion (ppb) or ug/L.
- 3 MW-105 Indicates Groundwater Monitoring Well MW-105 – See Figure 2 for Approximate Location.
- 4 ND Not Detected above the Instrument Reporting Limit (RL) – See Appendix A Lab Report for RLs.
- 5 Only those Target Analytes Identified above the RL are Below, see Lab Report for Full Listing.

Appendix C

Transmittal Form BWSC-108



**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT**

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

Release Tracking Number

4 - 11961

A. SITE LOCATION:

1. Site Name: MAIN ST TEXACO STATION
2. Street Address: 377 MAIN ST
3. City/Town: WAREHAM 4. ZIP Code: 025710000

5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category:

a. Tier I b. Tier ID c. Tier II

B. THIS FORM IS BEING USED TO: (check all that apply)

- 1. Submit a Phase I Completion Statement, pursuant to 310 CMR 40.0484.
- 2. Submit a Revised Phase I Completion Statement, pursuant to 310 CMR 40.0484.
- 3. Submit a Phase II Scope of Work, pursuant to 310 CMR 40.0834.
- 4. Submit an interim Phase II Report. This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.
- 5. Submit a final Phase II Report and Completion Statement, pursuant to 310 CMR 40.0836.
- 6. Submit a Revised Phase II Report and Completion Statement, pursuant to 310 CMR 40.0836.
- 7. Submit a Phase III Remedial Action Plan and Completion Statement, pursuant to 310 CMR 40.0862.
- 8. Submit a Revised Phase III Remedial Action Plan and Completion Statement, pursuant to 310 CMR 40.0862.
- 9. Submit a Phase IV Remedy Implementation Plan, pursuant to 310 CMR 40.0874.
- 10. Submit a Modified Phase IV Remedy Implementation Plan, pursuant to 310 CMR 40.0874.
- 11. Submit an As-Built Construction Report, pursuant to 310 CMR 40.0875.
- 12. Submit a Phase IV Status Report, pursuant to 310 CMR 40.0877.
- 13. Submit a Phase IV Completion Statement, pursuant to 310 CMR 40.0878 and 40.0879.

Specify the outcome of Phase IV activities: (check one)

- a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Permanent or Temporary Solution.
- b. The requirements of a Permanent Solution have been met. A completed Permanent Solution Statement and Report (BWSC104) will be submitted to DEP.
- c. The requirements of a Temporary Solution have been met. A completed Temporary Solution Statement and Report (BWSC104) will be submitted to DEP.



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Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

- 14. Submit a Revised Phase IV Completion Statement, pursuant to 310 CMR 40.0878 and 40.0879.
- 15. Submit a Phase V Status Report, pursuant to 310 CMR 40.0892.
- 16. Submit a Remedial Monitoring Report. (This report can only be submitted through eDEP.)
 - a. Type of Report: (check one) i. Initial Report ii. Interim Report iii. Final Report
 - b. Frequency of Submittal: (check all that apply)
 - i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
 - ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
 - iii. A Remedial Monitoring Report(s) submitted every sixth months, concurrent with a Status Report.
 - iv. A Remedial Monitoring Report(s) submitted annually, concurrent with a Status Report.
 - c. Status of Site: (check one) i. Phase IV ii. Phase V iii. Remedy Operation Status iv. Temporary Solution
 - d. Number of Remedial Systems and/or Monitoring Programs: _____

A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.
- 17. Submit a Remedy Operation Status, pursuant to 310 CMR 40.0893.
- 18. Submit a Status Report to maintain a Remedy Operation Status, pursuant to 310 CMR 40.0893(2).
- 19. Submit a Transfer and/or a Modification of Persons Maintaining a Remedy Operation Status (ROS), pursuant to 310 CMR 40.0893(5) (check one, or both, if applicable).
 - a. Submit a Transfer of Persons Maintaining an ROS (the transferee should be the person listed in Section D, "Person Undertaking Response Actions").
 - b. Submit a Modification of Persons Maintaining an ROS (the primary representative should be the person listed in Section D, "Person Undertaking Response Actions").
 - c. Number of Persons Maintaining an ROS not including the primary representative: _____
- 20. Submit a Termination of a Remedy Operation Status, pursuant to 310 CMR 40.0893(6).(check one)
 - a. Submit a notice indicating ROS performance standards have not been met. A plan and timetable pursuant to 310 CMR 40.0893(6) (b) for resuming the ROS are attached.
 - b. Submit a notice of Termination of ROS.
- 21. Submit a Phase V Completion Statement, pursuant to 310 CMR 40.0894.

Specify the outcome of Phase V activities: (check one)

 - a. The requirements of a Permanent Solution have been met. A completed Permanent Solution Statement and Report (BWSC104) will be submitted to DEP.
 - b. The requirements for a Temporary Solution have been met. A completed Temporary Solution Statement and Report (BWSC104) will be submitted to DEP.
- 22. Submit a Revised Phase V Completion Statement, pursuant to 310 CMR 40.0894.
- 23. Submit a Temporary Solution Status Report, pursuant to 310 CMR 40.0898.
- 24. Submit a Plan for the Application of Remedial Additives near a sensitive receptor, pursuant to 310 CMR 40.0046(3).
 - a. Status of Site: (check one)
 - i. Phase IV ii. Phase V iii. Remedy Operation Status iv. Temporary Solution



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Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

C. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B indicates that a Phase I, Phase II, Phase III, Phase IV or Phase V Completion Statement and/or a Termination of a Remedy Operation Status is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

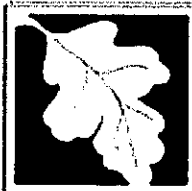
> if Section B indicates that a Phase II Scope of Work or a Phase IV Remedy Implementation Plan is being submitted, the response action (s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B indicates that an As-Built Construction Report, a Remedy Operation Status, a Phase IV, Phase V or Temporary Solution Status Report, a Status Report to Maintain a Remedy Operation Status, a Transfer or Modification of Persons Maintaining a Remedy Operation Status and/or a Remedial Monitoring Report is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP#: 5521
2. First Name: NEAL J 3. Last Name: CAREY
4. Telephone: 6036233600 5. Ext.: 6. Email:
7. Signature: NEAL J CAREY
8. Date: 3/19/2014 9. LSP Stamp:
(mm/dd/yyyy)





COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
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Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

D. PERSON UNDERTAKING RESPONSE ACTIONS:

1. Check all that apply: a. change in contact name b. change of address c. change in the person undertaking response actions

2. Name of Organization: FINBAR LLC

3. Contact First Name: MICHAEL 4. Last Name: FITZGERALD

5. Street: 12 WMDOWS COVE LANE 6. Title: MANAGER

7. City/Town: WAREHAM 8. State: MA 9. ZIP Code: 025710000

10. Telephone: 5082959095 11. Ext: _____ 12. Email: _____

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS: Check here to change relationship

1. RP or PRP a. Owner b. Operator c. Generator d. Transporter

e. Other RP or PRP Specify: NON-SPECIFIED PRP

2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

4. Any Other Person Undertaking Response Actions Specify Relationship: _____

F. REQUIRED ATTACHMENT AND SUBMITTALS:

- 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.
- 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.
- 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.
- 5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.
- 6. If submitting a Transfer of a Remedy Operation Status (as per 310 CMR 40.0893(5)), check here to certify that a statement detailing the compliance history for the person making this submittal (transferee) is attached.
- 7. If submitting a Modification of a Remedy Operation Status (as per 310 CMR 40.0893(5)), check here to certify that a statement detailing the compliance history for each new person making this submittal is attached.
- 8. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to: BWSC.eDEP@state.ma.us.
- 9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



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Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

I, MICHAEL FITZGERALD, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

>If Section B indicates that this is a Modification of a Remedy Operation Status (ROS), I attest under the pains and penalties of perjury that I am fully authorized to act on behalf of all persons performing response actions under the ROS as stated in 310 CMR 40.0893(5)(d) to receive oral and written correspondence from MassDEP with respect to performance of response actions under the ROS, and to receive a statement of fee amount as per 4.03(3).

I understand that any material received by the Primary Representative from MassDEP shall be deemed received by all the persons performing response actions under the ROS, and I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate or incomplete information.

2. By: MICHAEL FITZGERALD 3. Title: MANAGER
Signature

4. For: FINBAR LLC 5. Date: 3/19/2014
(Name of person or entity recorded in Section D) (mm/dd/yyyy)

6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. Email: _____

YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Received by DEP on

