COMPLIANCE ENVIRONMENTAL, INC. 11 BEARCOURT DRIVE ATTLEBORO, MASSACHUSETTS 02703

TEL: 508-223-3812

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

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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.

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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.

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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

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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 approximately10 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

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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 ecotoxicolgy 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.

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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 byproducts.

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.

<u>July 18, 2013</u>

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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 biosolution 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 then 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 seethrough 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

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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" of 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.

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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

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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 not 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 that 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.

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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)

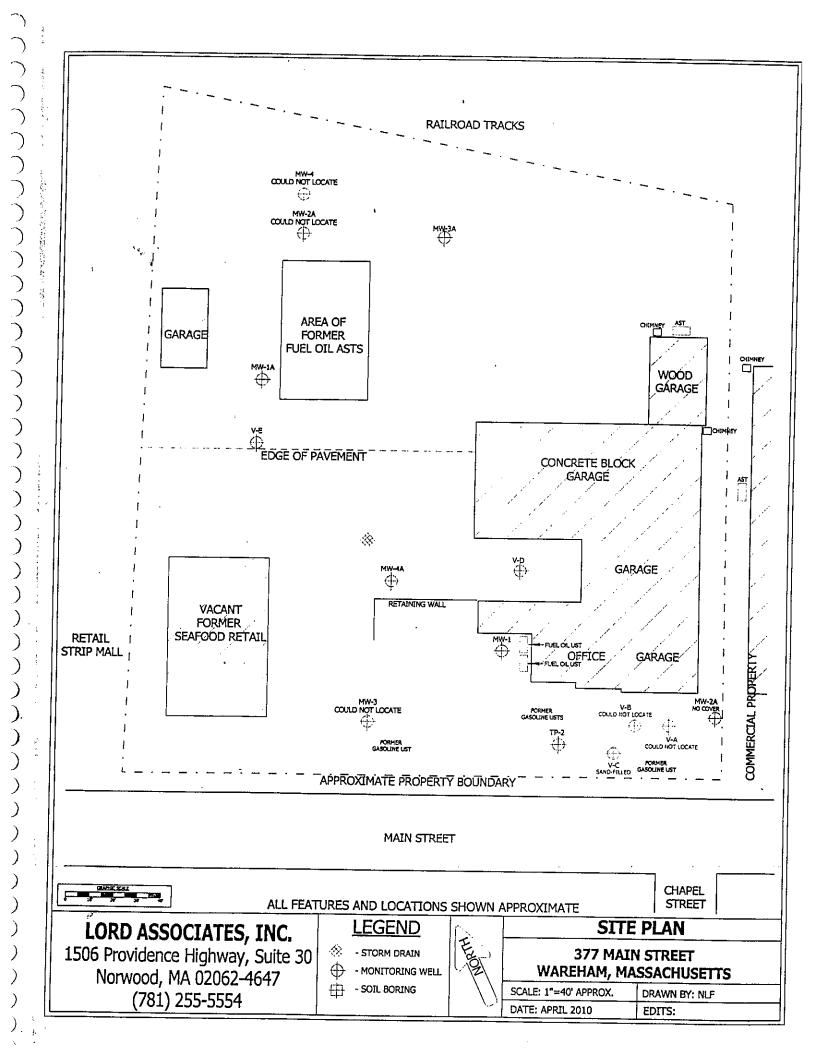
Section 40.0892(3) of the MCP requires submittal of a Remedial Monitoring Report (RMR) for Disposal Sites where active operation and maintenance of a CRA is being conducted. As detailed above; the first of the two-phase CRA selected for this Disposal Site (as per the July 2003 RIP) is a program of in 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



<u>Appendix A</u> Laboratory Reports

Monday, July 29, 2013

GeoLabs, Inc.

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

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

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,

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

Reported Date: 29-Jul-13

CLIENT:

Compliance Environmental

Lab Order:

1307196

Client Sample ID: MW-102

Project:

Collection Date: 7/18/2013 3:30:00 PM

.... -:::-

Lab ID:

Wareham 1307196-001

Date Received: 7/19/2013

Matrix: GROUNDWATER

Analyses		Result	Det. Limit	 Qual Uni	ts DI	F Date Analyzed
NITRATE - L10-107-	04-1-C				,	Analyst: RP
	Prep Method:			p Date:		
Nitrate (as N)		1.58	0.0200	H mg/L		7/26/2013 12:51:00 PM
TOTAL PHOSPHORO	OUS - L10-115-01-1E					Analyst: RP
	Prep Method:		Pre	p Date:		
Total Phosphorous		0.684	0.200	mg/L	··· . <u></u>	7/29/2013

Qualifiers:

Analyte detected in the associated Method Blank

BRL Below Reporting Limit

- E
- Value above quantitation range

- Holding times for preparation or analysis exceeded
- Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

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

Reported Date: 29-Jul-13

CLIENT:

Compliance Environmental

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12 L2 1.

Lab Order:

Project:

Lab ID:

1307196

Wareham 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 Q	ual Units	DF	Date Analyzed
NITRATE - L10-107	-04-1-C					Analyst: RP
	Prep Method:			p Date:		
Nitrate (as N)		0.311	0.0200	H mg/L	1	7/26/2013 12:51:00 PM
TOTAL PHOSPHOR	OUS - L10-115-01-1E					Analyst: RP
	Prep Method:		Prej	Date:		
Total Phosphorous		0.316	0.200	mg/L	1	7/29/2013

Analyte detected in the associated Method Blank Qualifiers: E

Value above quantitation range

Analyte detected below quantitation limits

Spike Recovery outside recovery limits

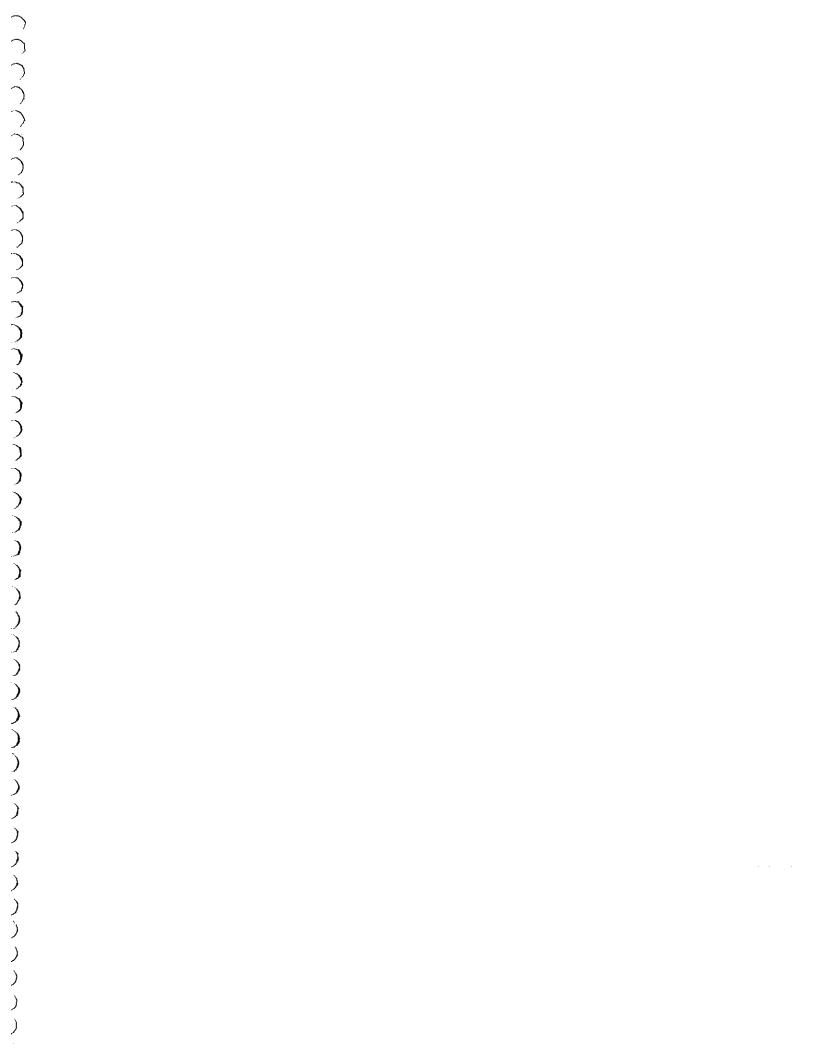
BRL Below Reporting Limit

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

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GeoLabs, Inc. Environmental Labs 45 Johnson Lane Braintree, MA 02184 Office: 781-848-78 Fax: 781-848-78 Fax: 781-848-78 Note: JOBS WITH INC TYPE OF CLIENT: BIS Client: X C C TY 1 Fax: 77 A 2 C Fax:	Verbal re	DDES: nd Water ewater ng Water	A = Air = Other
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Monday, September 16, 2013

GeoLabs, Inc.

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

Fax: 781 848 7811

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

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,

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)

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8270 SVOC	7010 Metals	MassDEP EPH	8151 Herbicides	CAM VI B 8330 Explosives	CAM IX A			
CAMIIB 🗆	CAMIII C	CAM IV B 🗵	CAM V C	CAM VIII A	TO-15 VC			
6010 Metals	6020 Metals	8082 PCB	9014 Total	6860 Perchiorate	TONIE IX B			
CAMIII A 🔲	CAM III D 🔲	CAM V A	Cyanide/PAC CAM VI A	CAM VIII B				
Affirmative R	esponses to Que	estions A through	F are required for "F	resumptive Certaint	v" etatue			
	Were all samples	received in a conditio	n consistent with those	described on the Chain	y status			
A	or Custody, prop	eny preserved (includ prepared/analyzed w	ing temperature) in the ithin method holding tin	field or laboratory, and	⊠ Yes	□ No		
В	1	selected CAM	associated QC requirer protocol(s) followed?		⊠ Yes	□ No		
С	selected CAM pi	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?						
D	Does the laborato A, "Quality Assura	⊠ Yes	□ No					
E	VPH, EPH, APH	and TO-15 only:						
	modification(s)? (R	eter to the individual n	/as each method condu nethod(s) for a list of sig s the complete analyte i	cted without significant inificant modifications.)	⊠ Yes	□ No		
		m	ethod?		☐ Yes	□ No		
F	identified and e	valuated in a laborator Question:	nd performance standa y narrative (including al s A through E)	l "No" responses to	⊠ Yes	□ No		
Responses to	Questions G, H,	and I below are red	guired for "Presumn	tive Certainty" statu	s			
G	were me reporting	i ilmits at or below all t CAM r	CAM reporting limits spo protocol(s)?	ecified in the selected	XI Yes	□ No ¹		
Data User Note	: Data that achiev	e "Presumptive Cert	ainty" status may not	necessarily meet the c	data unabli	lity and		
	presentauveness	requirements descri	bed in 310 CMR 40. 10	56 (2) (k) and WSC-07	-350.			
H	Were all QC performance standards in specified in the CAM protocol(s) achieved? Were results reported for the complete analyte list specified in the selected CAM				☐ Yes	☑ No ¹		
		⊠ Yes	□ No¹					
All negative re	sponses must be	addressed in an att	ocol(s)? ached laboratory narr	ative.				
inge (dehniseln)	ie iči obisiulită tui	e pains and penalties information, the ma ate and complete.	s of perjury that, based terial contained in thi	l upon my personal in s analytical report is, t	quiry of o the best			
ignature:	1 Carrie	Muk	Positio	n: Laboratory Director				
rinted Name:	David Mick				*			

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.

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.

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.

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
VPH - MADEP VPH					Analyst: ZC
Prep Method:		P	rep Date:		rinaryst. 20
C9-C10 Aromatic Hydrocarbons	1390	- ·— 100	Ε μg/L		0// 0/00/00 4 00 00
Unadjusted C5-C8 Aliphatic Hydrocarbons	731	100	μg/L	1	9/10/2013 8:09:00 AM 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	0/40/0040 0:00:00 ***
Benzene	ИD	1.00	μg/L	1	9/10/2013 8:09:00 AM
foluene	17.8	1.00	µg/L	1	9/10/2013 8:09:00 AM
Ethylbenzene	124	1.00	µg/L		9/10/2013 8:09:00 AM
n,p-Xylene	275	1.00	µg/L	1	9/10/2013 8:09:00 AM
-Xylene	81.7	1.00	μg/L	4	9/10/2013 8:09:00 AM
laphthalene	ND	1.00		1	9/10/2013 8:09:00 AM
djusted C5-C8 Aliphatic	713	100	µg/L	1	9/10/2013 8:09:00 AM
lydrocarbons	715	100	µg/L	1	9/10/2013 8:09:00 AM
djusted C9-C12 Aliphatic lydrocarbons	ND	100	μg/L	1	9/10/2013 8:09:00 AM
Surr: 2,5-Dibromotoluene FID	86.4	70-130	%REC	1	0400040 = 05 = 1
Surr. 2,5-Dibromotoluene FID	88,3	70-130	%REC	10	9/10/2013 8:09:00 AM
Surr: 2,5-Dibromotoluene PID	106	70-130	%REC		9/11/2013 10:11:00 AM
Surr: 2,5-Dibromotoluene PID	115	70-130		10	9/11/2013 10:11:00 AM
	• • • •	10-100	%REC	1	9/10/2013 8:09:00 AM

Qualifiers:	E	Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Reporting Limit	H ND	Below Reporting Limit Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Spike Recovery outside recovery limits
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GeoLahs, Inc. 45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Reported Date: 16-Sep-13

CLIENT: Compliance Environmental

Client Sample ID: MW-106

Lab Order: 1309016

Collection Date: 9/2/2013 2:15:00 PM

Project:

Date Received: 9/4/2013

Lab ID:

1309016-002

Matrix: GROUNDWATER

Analyses	Result	RL Qual Units	I)F	Date Analyzed	
EPH RANGES - MADEP EPH					Analyst: KG	

Prep Method;	(eph_Wpr)	Prej	p Date:	9/5/2013 8:48:50 AM	
Adjusted C11-C22 Aromatics	405	101	 µg/L	1	9/9/2013
C09-C18 Aliphatics C19-C36 Aliphatics	234	101	μg/L	1	9/9/2013
Unadjusted C11-C22 Aromatics	350	101	μg/L	1	9/9/2013
Surr: 1-Chloroctadecane	410 75.5	101	µg/L	1	9/9/2013
Surr: o-Terphenyl	78.7	40-140 40-140	%REC		9/9/2013
' -	10.1	40-140	%REC	1	9/9/2013

EPH TARGET ANALYTES - MADEP EPH

Analyst: Jsi

	Prep Method:	(eph_Wpr)	Pn	ep Date:	9/5/2013 8:48:50 AM	
Naphthalene		ND	1.01	µg/L		DIGIODAG 4:44 00
2-Melhylnaphthalene		1.48	1.01	µg/L	1	9/9/2013 1:14:00 PM
Acenaphthene		ND	1.01	μg/L	1	9/9/2013 1:14:00 PM
Phenanthrene		3,97	1.01		7	9/9/2013 1:14:00 PM
Acenaphthylene		ND	1.01	μg/L	1	9/9/2013 1:14:00 PM
Fluorene		ND		μg/L	1	9/9/2013 1:14:00 PM
Anthracene		ND	1.01	µg/L	1	9/9/2013 1:14:00 PM
Fluoranthene		ND	1.01	µg/L	1	9/9/2013 1:14:00 PM
Pyrene			1.01	µg/L	1	9/9/2013 1:14:00 PM
Benzo(a)Anthracene		ND	1.01	μg/L	1	9/9/2013 1:14:00 PM
Chrysene		ND	0.404	μg/L	1	9/9/2013 1:14:00 PM
Benzo(b)Fluoranthene		ND	1.01	μg/L	1	9/9/2013 1:14:00 PM
		ND	0.202	μ g/ Ľ	1	9/9/2013 1:14:00 PM
Benzo(k)Fluoranthene		ND .	0.202	μg/L	1	9/9/2013 1:14:00 PM
Benzo(a)Pyrene		ND	0.192	μg/L	1	
Indeno(1,2,3-cd)Pyrene		ND	0.404	μg/L	1	9/9/2013 1:14:00 PM
Dibenz(a,h)Anthracene		ND	0.404	µg/L	1	9/9/2013 1:14:00 PM
Benzo(g,h,i)Perylene		ND	1,01	μg/L.	1	9/9/2013 1:14:00 PM
Total PAH Target Concar	ntration	5.45	0.202	µg/L	1	9/9/2013 1:14:00 PM
Surr: 2,2-Difluorobiphe	nyi	96.0	40-140		1	9/9/2013 1:14:00 PM
Surr: 2-Fluorobiphenyl	-	62.5		%REC	1	9/9/2013 1:14:00 PM
•		Q2.0	40-140	%REC	1	9/9/2013 1:14:00 PM

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

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

Reported Date: 16-Sep-13

CLIENT:

Compliance Environmental

Client Sample ID: MW-105

Lab Order:

1309016

Collection Date: 9/2/2013 3:00:00 PM

Project:

Date Received: 9/4/2013

Lab ID:

1309016-003

Matrix: GROUNDWATER

Analyses

Result RL Qual Units

DF Date Analyzed

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	Pr	ep Date: 9/5/2	013 8:48:5D AM	
Adjusted C11-C22 Aromatics	744	102	µg/L	<u> </u>	9/9/2013
C09-C18 Aliphatics	724	102	μg/L	1	9/9/2013
C19-C36 Aliphatics Unadjusted C11-C22 Aromatics	251	102	µg/L	1	9/9/2013
Surr: 1-Chloroctadecane	793 80.4	102	µg/L	1	9/9/2013
Surr: o-Terphenyl	83.8	40-140 40-140	%REC %REC	1	9/9/2013
	22.0	170	MINEC	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			
2-Methylnaphthalene		26.3	1.02		1	9/9/2013 1:47:00 PM
Acenaphthene		1.34	1.02	µg/L	1	9/9/2013 1:47:00 PM
Phenanthrene				µg/L	1	9/9/2013 1:47:00 PM
Acenaphthylene		4.33	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
		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	4	
Benzo(a)Anthraceле		ND	0.408	μg/L		9/9/2013 1:47:00 PM
Chrysene		ND	1.02		1	9/9/2013 1:47:00 PM
Benzo(b)Fluoranthene		ND		µg/L	1	9/9/2013 1:47:00 PM
Benzo(k)Fluoranthene			0.204	μg/L	1	9/9/2013 1:47:00 PM
		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,l)Perylene		ND	1.02	μg/L		
Total PAH Target Concer	tration	48.3	0.204	μg/L	,	9/9/2013 1:47:00 PM
Surr: 2,2-Difluorobiphe.	nvi	94.4	40-140		1	9/9/2013 1:47:00 PM
Surr: 2-Fluorobiphenyl	•	76.7		%REC	•	9/9/2013 1:47:00 PM
=		10.7	40-140	%REC	1	9/9/2013 1:47:00 PM

Qualifiers:

- 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

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Compliance Environmental 1309016 Work Order: CLIENT;

Project:

TestCode: EPHP W

Date: 16-Sep-13

					Test code: LFHF W	LETTE W	
Sample ID; MB-22883	SamoTyne, MRI K	To the Charles					
Client ID: ZZZZZ	Batch ID: 22883	Testode: EPHP_W	Units: µg/L	Prep Date	Prep Date: 9/5/2013	RunNo: 51743	
Analyte			r_ (epn_wpr)	Analysis Date: 9/4/2013	e: 9/4/2013	SeqNo: 584263	
	Result	PQL SPK value SPK Ref Val	SPK Ref Val	%REC LowLimit	%REC LowLimit HighLimit RPD Ref Val	:	
Naphthalehe	QN	1.00				RPDLIMI	Onal
<-wetnylnaphthalene	Q	1.00					
Acenaphthene	Ŷ	1.00					
Phenanthrene	2						
Acenaphthylene	9 9	20:					
Fluorene	2 2	0.00					
Anthracene	2 2	90:					
Finoranthone		1.00					
	QN	1.00					
Fyrene	Q	1.00					
Benzo(a)Anthracene	Q	20.50					
Chrysene		3 6					
Benzo(b)Fluoranthene	CX	טטני					
Benzo(k)Fluoranthene	2 2	0.500					
Benzo(a)Pyrene	2 5	0.200					
Indeno(1.2.3-cd)Purepa	2 :	0.130					
Diberz/a h)Anthmonna	2	0.400					
ciiz(a,ii)/tiiniiacene	Q	0.400					
Benzo(g,n,i)Perylene	Q.	1.00					
Total PAH Target Concentration	0.7300	0.200					
Surr. 2,2-Difluorobiphenyl	22.72	ر بر	ć				
Surr: 2-Fluorobiphenyl	14.43		> c		140		
			0	5/./ 40	140		
Sample ID: LCS-22883	SampType: LCS	TestCode: EPHP_W	Units: work	Dran Doto:	Official		
Client ID: ZZZZZ	Batch ID: 22883	TestNo: MADEP EPH_ (eph_Wpr)	(eph_Wpr)	Analysis Date:	9/4/2013	RunNo: 51743	
Anolida						Sedino: 584264	

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

Qual

RPDLimit

%RPD

%REC LowLimit HighLimit RPD Ref Val

SPK value SPK Ref Val

ם 1,00

Result 21.73

20

Analyte detected below quantitation limits

Reporting Limit

RL

Dogo O at 40

BRL Below Reporting Limit

Qualifiers:

Naphthalene

Analyte

40

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43.5

H Holding times for preparation or analysis exceeded R RPD outside recovery limits

Compliance Environmental 1309016 Work Order: CLIENT:

Project:

TestCode: EPHP W

									ELTIL W	
Sample ID: LCS-22883	SampType: LCS	TestC	Code: EPHP W	Ilpite: .in/l			71			
Client ID: ZZZZZ	Batch ID: 22883	Test	No: MADEP E	TestNo: MADEP EPH (enh Wm)		Prep Date:			RunNo: 61743	
Analyte	Doesil	č		Idaa nda		Analysis Date:	: 9/4/2013		SeqNo: 584264	
2-Methylnsohthalasa	Result	집	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD	RPD Ref Val	%RPD RPD (m#	Č
	26.81	1.00	£ 2€	0	53.6	ę	1			- 1
	29.82	1.00	50		2 2	? (041			
Phenanthrene	37.60	100	:	•	0.00	₹	550			
Acenaphthylene	27.80	3 5	2 (Ð	75.2	4	140			
Fitorena	00.12	3.	20	0	55.6	4	140			
Anthraces	36.18	1.00	20	0	72.4	QP	5 5			
	34.05	1.00	20	0	a C	? \$	2 :			
riuoranmene	39.27	1.00	20		- 4	? :	04.			
Pyrene	41.99	1,00	: E		0.0	04	5			
Benzo(a)Anthracene	38 62		3	.	84.0	4	140			
Chrysene	1 (c)	004.0	द्ध	0	77.0	40	140			
BenzolhiEluoranthone	95,30	1.00	20	0	77.1	4	140			
	37.62	0.200	20	0	75.2	: 5	2 9			
Derizo(K)Filloranthene	40.99	0.200	92		4 6	7 :	140			
Benzo(a)Pyrene	36.88	0.100	9)	0.20	40	140			
Indena(1,2,3-cd)Pyrene	33 9¢	0.190	c	5	73.8	40	140			
Dibenz(a.h)Anthracene	03.00	0.400	ബ	0	73.4	4	140			
Benzo(a h il Perwene	36.52	0.400	50	0	75.0	4	140			
	39.20	1.00	20	0	78.4	÷ 5	2 0			
rotal PAH larget Concentration	601.2	0.200			•	ř				
Surr: 2,2-Diffuorobiphenyl	23.21	0	36	c	ć					
Surr. 2-Fluorobiphenyl	15.19	0	3 19	o c	97.0	9 ;	140			
			2	5	87.08 19.08	40	1 0			
Sample ID: LCS2-22883	SampType: LCSD	TestCod	TestCode: EPHP_W	Units: µg/L		Prep Date:	9/5/2013		Dunkler Educa	
5111 D. 24444	Batch ID: 22883	TestN	TestNo: MADEP EPH_ (eph_Wpr)	- (eph_Wpr)		Analysis Date:		- 07	SeqNo: 584265	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	i mi kwo I	Link in in			
Naphthalene			1			- 1	giiciiiii KPD Ket Val	ie Val	%RPD RPDLimit	Qual
2-Mathylpanhthaloso	CZ'OZ	3.5	20	0	40.5	40	140			
doenanthous	24.45	1.00	90	Ö	48.9	40	140			
	25.99	1.00	50	0	52.0	. 4	041			
						!	2			
Qualifiers: BRL Below Reporting Limit	ing Limit	•	E Value sh	Value above quantitation range						ļ
J Analyte detects	Analyte detected below quantitation limits			in I II	נו		H Holding tir	nes for preg	Holding times for preparation or analysis exceeded	
BI Denomina I	***		IND NOt Dete	Not Detected at the Reporting Limit	Limit		R RPD outsic	RPD outside recovery limits	limite	3

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

Reporting Limit

- ₽

D--- 40 -440

Holding times for preparation or analysis exceeded RPD outside recovery limits

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CLIENT: Compliance Environmental

) . Work Order: 1309016

Project:

TestCode: EPHP W

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	<u></u>	-	
			Limit Qual
	51743	584265	O RPDLIMIT
-	RunNo: 51743	SeqNO: 584265	%
	 		140 140 140 140 140 140 140 140 140 140
	Prep Date: 9/5/2013 lysis Date: 9/4/2013	, i	140 140 140 140 140 140 140 140 140 140
	Prep Date: 9/5/2013 Analysis Date: 9/4/2013	i i i i i i i i i i i i i i i i i i i	40 40 40 40 40 40 40 40 40 40 40 40 40 4
		%REC	63.4 48.8 61.8 59.1 65.1 66.1 66.1 64.8 66.1 64.8 66.1 64.8 64.8 63.0 60.8 61.7 64.7
	istCode: EPHP_W Units: µg/L TestNo: MADEP EPH_ (eph_Wpr)	SPK Ref Vai	
	TestCode: EPHP_W TestNo: MADEP EP	SPK value	4
	TestCode	Pal	1.00 1.00 1.00 1.00 1.00 0.400 0.200 0.190 0.190 0.400 0.400 0.200 0.200 0.200
	SampType: LCSD Batch ID: 22883	Result	31.72 24.38 30.91 29.53 32.56 33.41 32.40 34.11 31.49 30.38 30.38 30.83 32.36 510.1
	Sam Br		flon
20000	7777		Phenanthrene Acenaphlihylene Fluorene Anthracene Fluoranthene Fluoranthene Pyrene Benzo(a)Anthracene Chrysene Benzo(k)Fluoranthene Benzo(k)Fluoranthene Benzo(k)Fluoranthene Benzo(k)Fluoranthene Benzo(k)Fluoranthene Chrysene Total Pyrene Dibenz(a, h)Anthracene Benzo(g, h, i)Perylene Total PAH Target Concentration Surr: 2,2-Difluorobiphenyi
Sample ID: 1 Con account	Client ID: ZZZZZ	Analyte	Phenanthrene Acenaphitylene Fluorene Fluoranthene Fluoranthene Pyrene Benzo(a)Anthracene Chrysene Benzo(b)Fluoranthene Benzo(x)Fluoranthene Benzo(x)Fluoranthene Benzo(a)Pyrene Indeno(1,2,3-cd)Pyrene Dibenz(a,h,i)Perylene Total PAH Target Concer Surr: 2,2-Difluorobiphe Surr: 2-Fluorobipheny
Ù	<u>ਹ</u>	₹	中 大 大 大 大 大 大 大 大 大 大 大 大 大

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

GeoLabs, Inc.

Compliance Environmental 1309016 Work Order: CLIENT:

)) ,

Project:

TestCode: epht w

						restCode:	epht w	
Sample ID: MB-22883	SamoTyne: mhik	Total					 	
Client ID: ZZZZZ	Botch ID: 2000	l estCode: epht_w	Units: µg/L		Prep Date:	9/5/2013	RunNo: 54789	
	Datch ID; 22883	TestNo: MADEP EPH (eph_Wpr)	(eph_Wpr)	Ā	Analysis Date:	9/6/2013	O	
Analyte	Result	PQL SPK value SI	SPK Ref Val	- VIQX			SeqNo: 584929	
Adjusted C11-C22 Aromatics	CS			- 1	LOWLITH HIG	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
C09-C18 Aliphatics	2 2	30 00						
C19-C36 Aliphatics	2	2 C						
Unadjusted C11-C22 Aromatics	ð	100						
Surr: 0-Terphenyl	87.54 79.32	0 100	00	87.5	\$:	140		
Sample ID: LCS-22883	SampTyne: 1 on		, 	S:5	40	140		
Client ID: ZZZZZ	Batch ID: 22883	TestNo: MADEP EPH (eph_Wpr)	Units: µg/l. (eph_Wpr)	Ang	Prep Date: 9/5/2013 Analysis Date: 9/6/2013	9/5/2013	RunNo: 51789	
Ånalyte	Result	POL SPK value SP		700%			Seq. 004830	
C09-C18 Aliphatics	Ę			i	COWLITTIE HIGH	HighLimit RPD Ref Val	%RPD RPDLimit	Ona
C19-C36 Aliphatics	700 F		0	48.4	04	140		
Unadjusted C11-C22 Aromatics	CN CN	100	0	103	9	140		
Surr: 1-Chlorooctadecane	69.52	100	۵ (94.0	9	140		
Surr: o-Terphenyl	95.38		0 0	69.5	Q :	140		
Samule ID: 1 CC2 22802			>	4.05	40	140		
Client ID: ZZZZZ	SampType: Losd	TestCode: epht_w	Units: µg/L		Prep Date: 9	9/5/2013	RunNo: 51812	
Analyta	Zatori 12. 42 003	I estino: MADEP EPH	(eph_Wpr)	Ana	Analysis Date: 9	8/9/2013	SeqNo: 584939	
COO C49 Allabation	Result	PQL SPK value SPA	SPK Ref Val	%REC Lo	LowLimit HighLimit	Limit RPD Ref Val	%RPD RODI imit	Č
C19-C36 Aliphatics	ON P			63.6	40	140 48.41	1	ien
Unadjusted C11-C22 Aromatics	*:01- CX			118	4	140 102.7		
Surr: 1-Chlorooctadecane	201	100		88.8	4	140 93.99	2.5 0 3c	
Surr. o-Terphenyl	79,64	9 6	0 6	107	40	140 0		
				9.6	40	140 0	0	

Holding times for preparation or analysis exceeded RPD outside recovery limits **# *** Not Detected at the Reporting Limit Value above quantitation range S S E Analyte detected below quantitation limits BRL Below Reporting Limit Reporting Limit Qualifiers:

Spike Recovery outside recovery limits

GeoLabs, Inc.

Compliance Environmental CLIENT:

)) .

1309016 Work Order:

Project:

TestCode: VPH W2

							rest Code;	:: VPH W2		
Sample 10: Mai v								! : .}		
	SampType: MBLK	TestCox	TestCode: VPH Wm	I lother						
Client ID: ZZZZZ Ba	Ratch (D. Desoya	ļ	714 11 11	Units: pg/L		Prep Date:	te:	RinNo. 51872	2	
	JUL 10. 1010/2	iest	lestNo: VPH			Anaivele Date:		7010	4	
Analyte	H. H. H. H.	i				o cisciminati	.e. 9/10/2013	SeqNo: 585161	6	
20000	Insau	집	SPK value	SPK Ref Val	%REC	LowLimit	High Limit RPD Ref 1/21	1		
Caron Aformatic Hydrocarbons	2	100						UAN%	RPDLimit	Qual
Unadjusted C5-C8 Aliphatic Hydrocarb	QX	100]
Unadjusted C9-C12 Aliphatic Hydrocar		9 6								
Methyl Tert-Butyl Ether		001								
Bonner of Cutter Cutter	2	1.00								
penzene	Q	50.1								
Toluene	5	9 .								
Ethylbenzene	€ :	00.1								
	2	1.00								
III,p-Aylene	9	5								
o-Xylene	9	3 :								
Nanhthalene	2	1.00								
	9	90.								
Adjustments for C5-C8 Aliphatics	Ş	•								
Adjustments for C9-C12 Alinhatics	1	> (
Adjusted C.S.O.9 Alizabetical		0								
The state of the might district the state of	2	100						•		
Adjusted C9-C12 Aliphatic Hydrocarbo	QN	100								
Surr: 2,5-Dibromotoluene FID	80 37	} •	ļ							
Sur: 2.5-Dibromotohiese Din	20.00	>	9	0	89.4	70	700			
OL BIJONICA ST	89.78	0	100	0	80.8	2 8	5 5 5			
Sample fD: LCS	SampType: 1 0c					2	061			
	Fighe. LCo	estcode	estCode: VPH_W2	Units: ua/L		Dren Date				
Circle ID: ZZZZZ Bate	Batch ID: R51872	TectNo: Vou	707	•		rich Date		RunNo: 51872		
					•	Analysis Date:	: 9/10/2013	Cooking Fortax		
Analyte	Result	Öd	S. Sulley XGS	1 7 13 10 7 10 3				Selice: 202123	D.	
124-Trimothulbonson		ſ		ורא אפו עפו	%REC	LowLimit	HighLimit RPD Ref Val	SRPD	the state of	
	102.2	1.00	100				1			Cuai
2,2,4-1 rimethylpentane	05.	5	3 5	>	102	2	130			7
2-Methylpentane	20.00	0.	9	0	81.9	20	130			
n-Butvicyclobeyses	93.01	1.00	1 00	C	93.6	2	9 6			
	85.05	1.00	5	c) (2	0£1			
n-Decane	82.85	100	9	.	93.0	2	130			
n-Nonane	96.45	3 6	3	0	82.8	20	130			
	00.13	1.00	100	0	85.2	30	130			
		ļ				}	2			
Qualifiers: BRL Below Reporting Limit	.E		E Value abo	Value above countilation						
J Analyte detected below quantitation limits	w quantitation limits		_	in in the second second	n n		H Holding times	Holding times for preparation or analysis exceeds	ic eveneded	
RL Renorting Limit		-		Not Letected at the Reporting Limit	S Limit		R RPD outside recovery	Contract Contract of Manager	is excepted	
			Spike Rec	Spike Recovery outside recovery limits	on limite			overy imits		
				ords commentations	ery names					

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

Spike Recovery outside recovery limits

1 CLIENT:

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Compliance Environmental 1309016 Work Order:

Project:

TestCode: VPH W2

								TestCode:	VPH W2		
Sample ID: LCS	SampType: 1 CS	Tacto	do: Jen						' 		
Client ID: ZZZZZ Bat	Batch ID: R51879		Testcode: VPH_W2	Units: µg/L		Prep Date:	ie:	 	RunNo: 51872	1872	
		Se l	esino: VPH			Analysis Date:	te: 9/10/2013	113	SedNo. 685450	387450	
Aldiyle	Result	Pol	SPK value	SPK Ref Val	%REC	l owl îmit	1			200	
n-Pentane	1148	5	3					RPD Ket Val	%RPD) RPDLimit	t Qual
C9-C10 Aromatic Hydrocarbons	Ş	3 5	901	0	115	2	130				
Unadjusted C5-C8 Aliphatic Hydrocarth	2000	3 5	100	0	87.4	70	130				
Unadjusted C9-C12 Aliphatic Hydrocar	23.0	2 :	300	0	72.7	70	130				
Methyl Tert-Butyl Ether	0.62.0	8	360	0	74.5	20	130				
Benzene	98.07	9.	100	0	98.1	2 8	2 5				
Tolitana	82.73	9.	100	0	82.7	2 5	2 6				
	95.50	1.00	100		, ii	€ ;	130				
Emylbenzene	90.91	1 00		5 (90°5	2	130				
m,p-Xykene	180.3	9 5	00-	0	90.9	2	130				
D-Xylene	0.001	2	200	0	80.2	20	130				
Nanhthalone	101.2	1.00	100	0	107	2 6	5 6				
	111.2	1.00	5	· C	5 ;	2 :	051				
Adjusted C5-C8 Allphatic Hydrocarbons	300.5	400	3	5		8	130				
Adjusted C9-C12 Aliphatic Hydrocarbo	1001	3 5									
Surr. 2,5-Dibromotoluene Filb	700,	9	,								
Surr: 2.5-Dibromofoluses and	¥.02	>	9	0	120	02	130				
	109.6	0	100	0	110	2 2	3 5				
Sample ID: LCSD	Tymo: 1 Con					,]					
,	campiybe. LCSU	estCod	testCode: VPH_W2	Units: µg/L		Prep Date					
77777	Batch ID: R51872	TestN	TestNo: VPH						KunNo: 51872	872	
Analyte			•		•	Analysis Date;	9/10/2013	m	SeqNo: 585160	5160	•
	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	6		
', <, 4~ rimethylbenzene	109.3	400	Ş				- 1	34 (2)	טאגאין	K-Drimit	Qual
2,2,4-Trimethylpentane	87.57	5	3 5	o o	109	2	130	102,2	664	ų.	
2-Methylpentane	77.90	3 6	3	0	87.5	2	130	94	9	C7 -	
n-Butylcyclohexane	41.00	3	100	0	2.96	70	130	03 64	0.00	\$	
n-Decane	112./	1.00	100	0	113	5	ç	5 10	3.29	5 2	
	84.99	1.00	100	C	0 30	2 6	2 5	85.05	27.9	25	Ω:
i: Notane	88,43	1.00	100		2 6	2 ;	35	82.85	2.55	25	
n-Pentane	118.6	5	5 5	> 0	56.4	ဇ္တ	(S	85.15	3.78	7,	
	•	2	3	ɔ	119	20	130	1148	200	3 ;	
								?	17.6	25	
PKL			E Value ab	Value above quantitation range	36		1			j	
	quantitation limits		ND Not Dete	Not Detected at the Renording I imit	. I imit		ב ב	Holding times for preparation or analysis exceeded	eparation or an	ialysis exceede	70
RL Reporting Limit				Burrought on the second	Tallita S			RPD outside recovery limits	ry limits		
				Spike Recovery outside recovery limits	ery limits				, 1		

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

Compliance Environmental 1309016 Work Order: CLIENT:

Project:

TestCode: VPH W2

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	Quai
72	RPDLimit 25 25 25 25 25 25 25 25 25 20 0
RunNo: 518 SeqNo: 585	2.45 0.64 0.400 0.400 1.73 8.18 5.05 2.05 2.45 1.2.5 1.2.5 0 0
	87.38 218 223.6 98.07 82.73 96.5 90.91 160.3 101.2 111.2 300.5
e: 9/10/201	130 130 130 130 130 130 130 130 130 130
Prep Date Analysis Date	70 70 70 70 70 70 70 70 70 70
	87.7 75.7 75.7 83.2 94.9 84.2 104 95.6 98.8 98.1
Units: µg/L	0000000000
	•
TestCode TestNr PQL	001 001 001 001 001 001 001 001 001 001
pe: LCSD D: R51872 Result	ND 227.0 249.4 94.89 84.17 103.6 95.62 197.0 98.77 98.77 321.2 767.9 109.4
σ I	C9-C10 Aromatic Hydrocarbons Unadjusted C5-C8 Aliphatic Hydrocarb Unadjusted C9-C12 Aliphatic Hydrocarb Methyl Tert-Butyl Ether Benzene Toluene Ethylbenzene m.p-Xylene o-Xylene Adjusted C5-C8 Aliphatic Hydrocarbons Adjusted C5-C8 Aliphatic Hydrocarbons Surr: 2,5-Dibromotoluene FID Surr: 2,5-Dibromotoluene PID
	SampType: LCSD TestCode: VPH_W2 Batch ID: R51872 TestNo: VPH Result PQL SPK value SPK

Holding times for preparation or analysis exceeded RPD outside recovery limits **H** & Spike Recovery outside recovery limits Not Detected at the Reporting Limit Value above quantitation range s B a J Analyte detected below quantitation limits
RL Reporting Limit BRL Below Reporting Limit Qualifiers:

GeoLabs, Inc.

13		nam		Lab Usa Only Company of the Conty of the Con				0 = Other	67://		015)
PAGE (A)	cols)	Warrehan Hobin		Requested				B = Ray P = Plastic V = Voa	N		NH (2508) MA (MA-015) RI (LA00252)
Special Instructions Special Instructions Special Control Special Contr	ice (s) Confidence Prote - Criteria	JER +		Analysis Rec				Containers: A = Amber G = Glass S = Summa	Date / Time	13	芝亚
	Requirements: circle choice (s) CT RCP (Reasonable Confidence Protocols) State / Fed Program - Criteria	Project (7.47) Project PO:		Has	+ ×			? = Other		14/0	
SAMONING	Requirem CT I		ive:	Han	1			5 = NaOH 6 = MEOH		Lue	A CT (PH-0148)
j v	MCP Methods DEP Other	المحمل الأكال	Preserative:	Geolabs SAMPLE NUMBER	100-	-003		3 = H2SO4 4 = Magereg			2010730.J&P.C of CR.09/22/10 THANK YOU - WE APPRECIATE YOUR BUSINESS All discounting will be removed after 50 days. A late payment charge of 1.5% per mont or 18% per year, together with expenses above and beyond collection costs, including attorery's fees and beyond NET 30 days.
g: circle choice Done Not Needed Lab to do Lab to do Y/N	GW-1 S-1 QC	3-223- ANCE		Geolab B A B	1106			Preservatives 1 = Hcl 2 = HNO3	Received by:	X	/ / // // // // // // // // // // // //
(慢)	GW. S-1	528 MPIN	-	202L	330	त्रु		ived on ice		6130	Mnoved after 90 de s above and beyor hat go beyond NE
	rcle choice (s) email PDF	Fax:	CONTAINER		₹ \$ \$	U		Неся	ə	M	iscounting will be a jether with expense polied to balances t
C RECOR	Data Dellvery: circle choice (s) Fax email Format: Excel PDF	DRN WE DRNE CAZO3		4 4 7	90	52		A = Air 0T = Other	Date / Time	165	R BUSINESS All of 18 of 18% per year, to; court costs, will be a
Munental Laboral aintree, MA 02 f 781.848.7E	Dati Fax Forms	K WAY		SAMPLE LOCATION / ID	mw-12	MW-1		er S=Soil	X		EAPPRECIATE YOU ge of 1.5% per mont and o
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	3-day	TORGI	-	N⊄EGT#B A≻	7 7	377 T		DW = Drinking Water SL = Sludge	\$		THANK YOU - WI late payment chan
J 1	Turmaro	STER ATTE	COLLECTION	F	\$10	Ď,		er fer	ned by:		C of CR.09/22/10
Geolabs, Inc.	1-day 2-day	Contact:		a « ⊢ w	22	から		Matrix Codes: GW = Ground Wate WW = Waste Water	Relinguished by	b	2010730.J&F

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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.

Sincerelly,

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)

Laboratory N	lame: GeoLabs, I	nc			opilicajona ame			
11	tion: Main Street		40		ect #:	——— —————————————————————————————————		
				RTN				
				ta set: 1310182 (001				
Matrices: CAM Protoc	☑ Ground of (check all that a	water/Surface	ce Wat	er D Soll/Sediment	☐ Drinking Water ☐	Air □	Other-was	tewa
8260 VOC	7470/7471 Hg	MassDEP V		8081 Pesicides	7400 110			
CAMIIA 🗆	CAM III B	CAM IV A	X	CAM V B	7196 Hex Cr CAM VI B		MassDEP CAM IX A	
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EI CAM IV B	PH 図	8151 Herbicides CAM V C □	8330 Explosives CAM VIII A		TO-15 VOC	c
6010 Metals CAM III A □	6020 Metals CAM III D □	8082 PCB CAM V A	П	9014 Total Cyanide/PAC CAM VI A □	6860 Perchlorate CAM VIII B □			
Affirmative F	Responses to Que	estions A th	rouah	F are required for "	Presumptive Certainty	" ofotise	<u> </u>	
	Were all samples	received in a	conditio	n consistent with those	described on the Chain of	Cuetada		
- A	property preserve	a (including te	mperati m	ure) in the field or labor. ethod holding times?	atory, and prepared/analyz	ed within	⊠ Yes	
B	TYCIC IIIC Allalytto	ar mediod(s) a	anu ali s	rotocol(s) followed?	ents specified in the selec	ted CAM	⊠ Yes	
С	Were all required protocol(s)	corrective acti implemented	ons and for all ic	l analytical response ad lentified performance s	tions specified in the selectandard non-conformance	cted CAM	⊠ Yes	i (1
D	Does the laborato Assurance and Q	ry report comp uality Control	oly with Guideli	all reporting requirements for the Acquisition a	nts specified in CAM VII A, and Reporting of Analtyica	"Quality Data"?	⊠ Yes	□ 1
` E ,	VPH, EPH, APH a. VPH, EPH	and TO-15 on , and APH Me	ily: ethods o	inly: Was each method	conducted without signific t of significant modification		⊠ Yes	
	b. APH and TO	-15 Methods	only: Wa	as the complete analyte	list reported for each met	hod?	🗆 Yeş	□N
F	Were all applicable evaluated in a l	CAM protoco	i QC an	d performance standar	d non-conformances ident	ified and	⊠ Yes	ΠN
	wuestions G, H,	and I below	' are re	quired for "Presum	ntivo Cortainty" etatus			•
G Data Us				nrotocol(e)2	specified in the selected		⊠ Yes	□N
	representativ	eness reduit	emems	eescribea in 310 CMI	ay not necessarily meet ₹ 40. 1056 (2) (k) and WS	C-07-350.	usablility a	nď
H	Were all Q	performance	standa	rds as specified in the	CAM protocol(s) achieved	?	□ Yes	⊠ No
All negative r	Were results rep	orted for the o	omplete	analyte list specified in	the selected CAM protoc	ol(s)?	🖾 Yes	□No
the undersion	ed. attest under th	auuressed I	n an at	tached laboratory na	<i>rative.</i> ed upon my personal inq			
rose reshousir	ple for obtaining the and belief, aforth	grintormatio r	i. the m	aterial contained in the	ed upon my personal inquis dis analytical report is, to	uiry of the best		
ignature:		ν		Position	on: Laboratory Directo	r		
rinted Name:	David Mick	-		Date:	November 1, 2013			
	-7							

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

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

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

GeoLabs, Inc.

	AL REPORT				Reported	Date: 01-	Nov-13
CLIENT: Lab Order: Project: Lab ID:	Compliance Environm 1310182 Main St, Wareham 1310182-001	<u></u> - <u></u> . ental	-	- <u>.</u> :	Date Rec	Date: 10/2 eived: 10/2	22/2013 10:30:00 AM
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
AMMONIA (AS	N) - E350.1						Analyst: SUB
	Prep Method:		F	rep Da	te:		
Ammonia (as N NOTES: Analyzed by Ph	oenix Environmental Laborato	13.9	0.100		mg/l.	1	10/24/2013
	HIC PLATE COUNT - 9215				, I		Amplicate CLAD
				. *			Analyst: SUB
	Prep Method:	·· 11 ·· vi	p	rep Dat	e: 		
Heterotrophic Pi NOTES: Analyzed by G8	ate Count L Laboratories MA-1100	1600	0	í	CFU/ml	1	10/22/2013 5:00:00 PM
SURFACTANTS	(MBAS) - 5540C						Analyst: SUB
	Prep Method:		Pi	rep Date	9 :		, analyst. OOB
Surfactants NOTES: Analyzed by Pho	penix Environmental Laborator	0.61 ies M-CT007	0.050		mg/L	 1	10/23/2013 7:00:00 PM
NITRATE - E300	1.0					,	Analyst: SUB
	Prep Method:		Pr	ep Date	: :		
Nitrate NOTES: Analyzed by Pho	enix Environmental Laborator	ND ies M-CT007	0.0500	1	mg/L	1	10/24/2013 6:52:00 AM
VPH - MADEP V	PH						Analyst: ZC
	Prep Method:			ep Date	:		
C9-C10 Aromatic	•	ND	100	ı.	ıg/L	1	10/23/2013 8:38:00 AM
Unadjusted C5-C Hydrocarbons	8 Aliphatic	ND	100		ıg/L	1	10/23/2013 8:38:00 AM
Unadjusted C9-C Hydrocarbons	•	ND	100	ŀ	ıg/L	1	10/23/2013 8:38:00 AM
Methyl Tert-Butyl	Ether	ND	1.00		ıg/İ.,	1	10/23/2013 8:38:00 AM
Benzene Toluene		ND	1.00		ıg/L 	†	10/23/2013 8:38:00 AM
		ND	1.00		ıg/L	1	10/23/2013 8:38:00 AM
Ethylbenzene m,p-Xylene		ND ND	1.00		ig/L	1	10/23/2013 8:38:00 AM
-		IND	1.00	į.	g/L	1	10/23/2013 8:38:00 AM
Qualifiers: B E J RL	Analyte detected in the associated Value above quantitation range Analyte detected below quantitation for the control of the c	:	k	BRI H ND S	Not Detecte		

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

Reported Date: 01-Nov-13

CLIENT:

Compliance Environmental

Lab Order:

1310182

Project; Lab ID:

Main St, Wareham 1310182-001

Client Sample ID: MW-102

Collection Date: 10/22/2013 10:30:00 AM

Date Received: 10/22/2013

Matrix: GROUNDWATER

				ma. Ono	UNDWATER
Analyses	Result	RL Q	ual Units	DF	Date Analyzed
VPH - MADEP VPH					Analyst: ZC
Prep Method:		Prep	Date:		
o-Xylene	ND	1.00	μg/L	1	10/23/2013 8:38:00 AN
Naphthalene	ND	1.00	μg/L	1	10/23/2013 8:38:00 AM
Adjusted C5-C8 Aliphatic Hydrocarbons	DN	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-Dibramotoluene FID	120	70-130	%REC	1	10/23/2013 B: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:		Ргер	Date:		•
Phosphorus, Orthophosphate (As P)	ND	0.150	mg/L	1	10/23/2013 4:30:00 PM
OTAL PHOSPHOROUS - L10-115-01-11	=				Analyst: RP
Prep Method:		Prep l	Date:		, · · · ·
Total Phosphorous	1.12	0.200	mg/L	 1	10/24/2013

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

Geol abs, Inc.

Reported Date: 01-Nov-13

CLIENT:

Compliance Environmental

Client Sample ID: MW-VD

Lab Order:

1310182

Collection Date: 10/22/2013 11:30:00 AM

Project:

Main St, Wareham

Date Received: 10/22/2013

Lab ID:

1310182-002

Matrix: GROUNDWATER

Analyses

Result

RL Qual Units

:=:: ==:.

DF

EPH RANGES - MADEP EPH

Analyst: KG

Date Analyzed

Prep Method:	(eph_Wpr)	Pre	p Date:	10/22/2013 10:25:26	6 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-Chiorooctadecane	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

Pr	ep Method:	(oph_Wpr)	Pre	p Date:	10/22/2013 10:25:2	B AM
Naphthalene		ND	0.962	 µg/∟	1	10/28/2013 6:01:00 PM
2-Methylnaphthalene		1.747	0.962	μg/L	1	10/28/2013 6:01:00 PM
Aconaphthene		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,l)Perylene		ND	0.962	μg/L	1	10/28/2013 6:01:00 PM
Total PAH Target Concent	ration	1.74	0.192	µg/L	1	10/28/2013 6:01:00 PM
Surr: 2,2-Difluorobiphen		67.4	40-140	%REC	1	10/28/2013 6:01:00 PM
Surr: 2-Fluoroblphenyl		74.4	40-140	%REC	•	10/28/2013 6:01:00 PM

AMMONIA (AS N) - E350.1

Analyst: SUB

Prep Date:

Qualifiers:

- Analyte detected in the associated Method Blank В
- E Value above quantitation range

Prep Method:

- Analyte detected below quantitation limits
- RL Reporting Limit

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

GeoLabs, Inc.

Reported Date: 01-Nov-13 ANALYTICAL REPORT CLIENT: Compliance Environmental Client Sample ID: MW-VD Lab Order: 1310182 Collection Date: 10/22/2013 11:30:00 AM Project: Main St, Wareham Date Received: 10/22/2013 Lab ID: 1310182-002 Matrix: GROUNDWATER Analyses Result RL Qual Units Date Analyzed **AMMONIA (AS N) - E350.1** Analyst: SUB Prep Method: Prep Date: Ammonia (as N) 0.0700 0.0200 mg/L 10/24/2013 NOTES: Analyzed by Phoenix Environmental Laboratories M-CT007 **HETEROTROPHIC PLATE COUNT - 9215B** Analyst: SUB Prep Method: Prep Date: Heterotrophic Plate Count 7700 CFU/ml 10/22/2013 5:00:00 PM NOTES: Analyzed by G&L Laboratories MA-1100 SURFACTANTS (MBAS) - 5540C Analyst: SUB Prep Method: Prep Date: Surfactants 0.070 0.050 mg/L 10/23/2013 7:00:00 PM NOTES: Analyzed by Phoenix Environmental Laboratories M-CT007 NITRATE - E300.0 Analyst: SUB Prep Method: Prep Date: Nitrate 1.93 0.0500 mg/L 10/24/2013 6:52:00 AM NOTES: Analyzed by Phoenix Environmental Laboratories M-CT007 SPECIFIC CONDUCTANCE - E120.1 Analyst: RP Prep Method: Prep Date: Specific Conductance µmhos/cm 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 10/23/2013 4;30:00 PM Analyte detected in the associated Method Blank BRI. Below Reporting Limit Qualifiers: Е Value above quantitation range Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit Reporting Limit Spike Recovery outside recovery limits

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

Reported Date: 01-Nov-13

CLIENT:

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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

RL Qual Units

DF

TOTAL PHOSPHOROUS - L10-115-01-1E

Result

Date Analyzed

Analyst: RP

Prep Method:

Prep Date:

Total Phosphorous

0.212

0.200

mg/L

10/24/2013

Qualifiers:

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Reporting Limit

BRL Below Reporting Limit

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

GeoLabs, Inc.

Reported Date: 01-Nov-13

CLIENT: Compliance Environmental Client Sample ID: MW-107

Lab Order: 1310182

Collection Date: 10/22/2013 1:30:00 PM Project: Main St, Warcham Date Received: 10/22/2013

Lab ID: 1310182-003 Matrix: GROUNDWATER

Analyses Result RL Qual Units \mathbf{DF} Date Analyzed

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	P	rep Da	ate:	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 Metho	d: (eph_Wpr)	Pre	Date:	10/22/2013 10:25:26	S 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/Ł	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	րց/Լ	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	0.982	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:	В	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
_	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits		Not Detected at the Reporting Limit
	RL	Reporting Limit		Spike Recovery outside recovery limits

GeoLabs, Inc.

Reported Date: 01-Nov-13 ANALYTICAL REPORT ----CLIENT: Compliance Environmental Client Sample ID: MW-107 Lab Order: 1310182 Collection Date: 10/22/2013 1:30:00 PM Project: Main St, Wareham Date Received: 10/22/2013 Lab ID: 1310182-003 Matrix: GROUNDWATER Analyses Result RL Qual Units DF Date Analyzed **AMMONIA (AS N) - E350.1** Analyst: SUB Prep Method: Prep Date: Ammonia (as N) 0.0800 0.0200 mg/L 10/24/2013 NOTES: Analyzed by Phoenix Environmental Laboratories M-CT007 **HETEROTROPHIC PLATE COUNT - 9215B** Analyst: SUB Prep Method: Prep Date: Heterotrophic Plate Count 1100 CFU/ml 10/22/2013 5:00:00 PM NOTES: Analyzed by G&L Laboratories MA-1100 SURFACTANTS (MBAS) - 5540C Analyst: SUB Prep Method: Prep Date: Surfactants ND 0.050 mg/L 10/23/2013 7:00:00 PM NOTES: Analyzed by Phoenix Environmental Laboratories M-CT007 NITRATE - E300.0 Analyst: SUB Prep Method: Prep Date: Nitrate 2.65 0.0500 mg/L 10/24/2013 6:52:00 AM NOTES: Analyzed by Phoenix Environmental Laboratories M-CT007 SPECIFIC CONDUCTANCE - E120.1 Analyst: RP Prep Method: Prep Date: Specific Conductance 200 µmhos/cm 10/22/2013 4:10:00 PM ORTHOPHOSPHATE, WATER - SM450D-P-E Analyst: WFR Prep Method: Prep Date: Phosphorus, Orthophosphate (As P) ND 0.150 mg/L 10/23/2013 4:30:00 PM Analyte detected in the associated Method Blank В BRL Below Reporting Limit Qualifiers: Value above quantitation range Н Holding times for preparation or analysis exceeded Analyte detected below quantitation limits ND Not Detected at the Reporting Limit RL Reporting Limit Spike Recovery outside recovery limits

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

> > Page 12 of 21

Reported Date: 01-Nov-13

CLIENT:

Compliance Environmental

Lab Order:

1310182

Project:

Main St, Wareham

Lab ID:

Analyses

1310182-003

Client Sample ID: MW-107

Collection Date: 10/22/2013 1:30:00 PM

DF

Date Received: 10/22/2013

Matrix: GROUNDWATER

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Date Analyzed

Prep Method:

Prep Date:

RL Qual Units

Total Phosphorous

0.675

Result

0.200

mg/L

10/24/2013

Qualifiers:

В Analyte detected in the associated Method Blank

Е Value above quantitation range

Analyte detected below quantitation limits j

Reporting Limit

BRL Below Reporting Limit

Н Holding times for proparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

GeoLabs, Inc.

ANALYTICAL QC SUMMARY REPORT

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Date: 01-Nov-13

Compliance Environmental Work Order: CLIENT:

1310182 Project:

Main St, Wareham

Sample ID: MB-23154										
Client ID: ZZZZZ	SampType: mblk Batch ID: 23154	TestCo	TestCode: ephp_w TestNo: MADEP EP	stCode: ephp_w Units: µg/L TestNo: MADEP EPH_ (eph_Wpr)	*	Prep Date: 10/22/2013 Analysis Date: 10/24/2013	Prep Date: 10/22/2013 ilysis Date: 10/24/2013	RunNo: 52442 SeqNo: 590832	2	
Analyte	Result	Pal	SPK value SPK Ref Val	SPK Ref Val	%REC	LowLimit Hi	%REC LowLimit HighLimit RPD Ref Val	#WERD GRAN	<u></u>	Ç
Naphthalene	GN	1.8			:				- 1	
2-Methyinaphthalene	QN	1.00								
Acenaphthene	QN	1.00								
Phenanthrene	QN	1.00								
Acenaphthylene	QN	1.00								
Fluorene	QN	1.00								
Anthracene	Q	1.00								
Fluoranthene	QN	1.00								
Pyrene	QN	1.00								
Benzo(a) Anthracene	QN	0.400								
Chrysene	2	1.00								
Benzo(b)Fluoranthene	QN	0.200								
Benzo(k)Fluoranthene	Q	0.200								
Benzo(a)Pyrene	QN	0.190								
Indeno(1,2,3-cd)Pyrene	QN	0.400								
Dibenz(a,h)Anthracenв	QN	0.400								
Benzo(g,h,i)Parylene	QN	1.00								
Total PAH Target Concentration	ation ND	0.200								
Sur: 2,2-Difluorobiphenyl	1 22.47	0	25	o	6.68	40	140			
Sur: 2-Fluorobiphenyl	18.53	6	25	• •	2,4.4	2 5	2 4			

Sur: 2,2-Difluorobiphenyl Sur: 2-Fluorobiphenyl	22.47 18.53	0 0	25 25	00	89.9	40	140 140			
Sample ID: LCS-23154 Client ID: ZZZZZ	SampType: LCS Batch ID: 23154	TestCode	TestCode: EPHP_W TestNo: MADEP EF	stCode: EPHP_W Units: µg/L FestNo: MADEP EPH_ (eph_Wpr)		Prep Dat Analysis Dat	Prep Date: 10/22/2013 Analysis Date: 10/24/2013		RunNo: 52442 SeqNo: 590840	
Analyte	Result	Por	SPK value	SPK value SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	Ref Val	%RPD RPDLimit Qual	
Naphthalene	30.82	1.00	99	0	61.6	40	140			7
Qualifiers: BRL Below Reporting Limit J Analyte detected below. RL Reporting Limit	Below Reporting Limit Analyte detected below quantitation limits Reporting Limit	:	E Value a ND Not De	E Value above quantitation range ND Not Detected at the Reporting Limit S Spike Recovery outside recovery limits	nge ng Limit wery limits		H Holdiu R RPD o	Holding times for preparation RPD outside recovery limits	H Holding times for preparation or analysis execeded R RPD outside recovery limits	

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

Compliance Environmental 1310182 Work Order: CLIENT:

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Main St, Wareham Project:

TestCode: EPHP W

Sample ID: LCS-23154	SampType: LCS	TestCo	TestCode: EPHP W	Units: ucal.		Pren Date:	Dren Defer 40/29/2042			
Client ID: ZZZZZ	Batch ID: 23154	Test	Testino: MADEP EPH_ (eph_Wpr)	H_ (eph_Wpr)		Analysis Date:	10/24/2013	KunNo: 52442 SeqNo: 590840	42 840	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val			į
2-Methylnaphthalene	30.83	1.00	20	0	61.7	ç				
Acenaphthene	40.20	1.00	OZ OZ	· c	- - 2	} {	140			
Phenanthrene	47.40	1.00	20	, c	\$ 8 \$ 4	?	5 6			
Acenaphthylene	38.28	1.00	50	, c	76.6	₽ 4	140			
Fluorene	39.79	1.00	20	0	29.62	5 4 C	120			
Anthracene	49.72	1.00	25	o	99.4	. 4	140			
Fluoranthene	49.16	1.00	20	0	683	\$ Q	5 5			
Pyrene	50,76	1.00	20	· C	103	? ?	0 7			
Benzo(a)Anthracene	47.47	0.400	20		9	?	2 0			
Chrysene	55.01	1.00	20	0	170	5 4	5 6			
Benzo(b)Fluoranthene	52.83	0.200	20	0	106	5 4	7 7			
Benzo(k)Fluoranthene	52.58	0.200	20	· c	5 5	2 5	140			
Benzo(a)Pyrene	39.88	0.190	20	. c	2 6	£ 5	7 7			
Indeno(1,2,3-cd)Pyrene	33.28	0.400	20		9.5	2 5	5 6		-	
Dibenz(a,h)Anthracene	31.96	0.400	20		5.55	? 5	5 %			
Benzo(g,h,i)Perylene	35.35	1.00	50	0	707	₽ €	5 5			
Total PAH Target Concentration	725.3	0.200		ı	3	ř	2			
Surr, 2,2-Difluorobiphenyl	20.21	0	25	Ö	80.8	40	140			
Surr: 2-Fluorobiphenyl	21.30	Φ	25	O	85.2	÷ 4	140			
Sample ID: LCS2-23154	SampType: LCSD	TestCad	TestCode: EPHP_W	Units: µg/L		Prep Date: 10/22/2013	10/22/2013	Rublo: 52443		
Client ID: ZZZZZ	Ratrh ID: 03454	Toot	Tootho: MANGED FOR	•) 1	TWINTS. OF	y	

Sample ID: LCSZ-23154	SampType: LCSD	TestCod	TestCode: EPHP_W	Units: µg/L		Prep Dat	Prep Date: 10/22/2013	113	RunNo: 52442	442	
Olieiti ID. 2222	Batch ID: 23154	TestN	io: MADEP E	TestNo: MADEP EPH_ (eph_Wpr)	•	Analysis Date: 10/24/2013	e: 10/24/20	113	SeqNo: 590831	0831	
Analyte	Result	POL	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Qua
Naphthalene 2-Methylnaphthalene Acenaphthene	35.59 35.85 45.53	1.00	50 50 50	000	71.2 71.7 91.1	04 04 04	140 140 140	30.82 30.83 40.2	14.4 15.1	25 25 25	
Qualifiers: BRL Below Reporting Limit J Analyte detected below RL Reporting Limit	Below Reporting Limit Analyte detected below quantitation limits Reporting Limit		E Value ND Not D S Spike	Value above quantitation range Not Detected at the Reporting Limit Spike Recovery outside recovery limits	nge g Limit very limits		H H	Holding times for preparation or analysis exceeded RPD outside recovery limits	reparation or a	nalysis exceed	2

GeoLabs, Inc.

45 Johnson Lane ~ Braintive MA 02184 ~ 781 848 7844 ~ 781 843 7811

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Compliance Environmental 1310182 Work Order: CLIENT:

Main St, Wareham Project:

TestCode: EPHP W

Qua RPDLimit SeqNo: 590831 RunNo: 52442 %RPD 7.59 10.6 10.2 14.4 14.8 RPD Ref Val 49.16 50.76 39.79 49.72 47.47 Analysis Date: 10/24/2013 Prep Date: 10/22/2013 Hightimit LowLimit 113 107 107 Units: µg/L TestNo: MADEP EPH_ (eph_Wpr) SPK value SPK Ref Val 0000000 TestCode: EPHP_W 1.00 1.00 1.00 1.00 1.00 0.400 1.00 0.200 0.200 PQ Result 45.95 53.64 53.59 56.46 55.03 Batch ID: 23154 SampType: LCSD Sample ID: LCS2-23154 Benzo(a)Anthracene Client ID: ZZZZZ Acenaphthylene Phenanthrene Fluoranthene Anthracene Chrysene Fluorene Pyrene Analyte

10.3 8.24 4.61

52.83 52.58 39.88 33.28 31.96

5 5 5 4

152 115 110

96.09 57.37 55.06

55.01

11.0 13,4 13.3

40 4 **5 5**

89.0 76.1 73.0 79.1

000000

0.400 8.

38.05 44.51

> Indeno(1,2,3-cd)Pyrene Dibenz(a,h)Anthracene

Benzo(a)Pyrene

Benzo(b)Fluoranthene Benzo(k)Fluoranthene 36.50

Surr: 2,2-Diflucrobiphenyl

3enzo(g,h,i)Perylene

Surr: 2-Fluorobiphenyl

3 3

Holding times for meanantelon as and	RPD outside resources is aliants.	
E Value above quantitation range	ND Not Detected at the Reporting Limit	S Spike Recovery outside recovery limits
ers: BRL Below Reporting Limit	J Analyte detected below quantitation limits	RI Reporting Limit
Qualifiers:		

GeoLabs, Inc.

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Compliance Environmental 1310182 Work Order: CLIENT:

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Main St, Wareham **Project:**

TestCode: epht_w

SampType: mblk TestCoder epht_w Units: µg/L Ing/L Client ID: ZZZZZ Batch ID: 23164 TestNor MADEP EPH (eph_Wpr) ////////////////////////////////////												
Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) (eph_Wpr) %REC ND 100 73.9 73.9 73.9 ND 100 100 73.9 73.9 ND 100 100 73.9 73.9 SamipType: Lcs TestCock: epht_w Units: µg/L 88.3 ND 100 100 0 88.3 SamipType: Lcs TestNo: MADEP EPH (eph_Wpr) 78.7 88.2 ND 100 100 0 84.2 ND 100 100 0 84.2 SamipType: Lcsd TestNo: MADEP EPH (eph_Wpr) 78.7 78.7 SamipType: Lcsd TestCock: epht_w Units: µg/L 78.7 Batch ID: 23154 TestCock: epht_w Units: µg/L 85.0 ND 100 100 0 85.0 ND 100 100 0 85.7 S85.09 100 0 86.7 86.1 B6.24 0 100 0		mpType: mblk	TestCo	ie: epht_w	Units: ua/L		Prep Date:	Pren Date: 40/22/20143	1000			
ND		latch ID: 23154	Test	Vo: MADEP E	_		Analysis Date: 10/22/2013	10/22/2013	Seq	SeqNo: 590667	. Le	
ND 100 ND 100 73.93 0 100 73.93 0 100 73.93 0 100 73.93 0 100 88.34 0 100 88.34		Result	Po	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val		%RPD	RPD! imit	Ç
ND 100 ND 100 ND 100 T3.93 0 100 0 73.9 88.34 0 100 0 73.9 SamipType: Lcs TestCode: epht_w Units: μg/L Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) ND 100 100 0 65.1 ND 100 100 0 84.2 SamipType: Lcsd TestNoe: epht_w Units: μg/L Batch ID: 23154 TestNoe: epht_w Units: μg/L Batch ID: 23154 TestNoe: epht_w Units: μg/L Batch ID: 23154 TestNoe: MADEP EPH (eph_Wpr) Result PQL SPK value SPK Ref Val %REC ND 100 100 0 85.8 SamipType: Lcsd TestNoe: epht_w 100 0 85.8 SamipType: Lcsd TestNoe: epht_w 0 85.7 ND 100 100 0 86.7 85.09 0 100 0 86.7	1-C22 Aromatics	QN	100							Ţ		
ND 100 73.93 0 100 73.9 88.34 0 100 0 73.9 88.34	phatics	S	9									
ND 100 73.93 0 100 73.93 88.34 0 100 0 73.9 88.34 0 100 0 88.3 SampType: Lcs TestCode: epht_w Units: µg/IL 88.3 ND 100 100 0 84.2 SampType: Lcsd TestNo: MADEP EPH (eph_Wpr) 78.7 Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) 78.7 Result PQL SPK value SPK Ref Val 93.8 ND 100 100 0 93.0 ND 100 0 93.0 ND 100 0 93.0 85.09 0 0 96.1 86.24 0 100 0 96.1 88.09 0 100 0	phatics	Q	90									
73.93 0 100 0 73.93 88.34 0 100 0 73.9 SamipType: Lcs TestCode: epht_w Units: µg/L 88.3 ND 100 100 0 65.1 ND 100 100 0 84.2 85.83 0 100 0 85.8 SampType: Lcsd TestNo: MADEP EPH (eph_Wpr) NR NR Result PQL SPK value SPK Ref Val 85.8 ND 100 100 0 97.8 ND 100 100 0 85.1 85.09 0 100 0 86.1 86.24 0 100 0 86.1	C11-C22 Aromatics	2	100									
SampType: Lcs TestCode: epht_w Units: µg/L 68.3 Batch ID: 23154 TestCode: epht_w Units: µg/L %REC Result PQL SPK value SPK Ref Val %REC ND 100 100 0 65.1 ND 100 100 0 78.7 93.83 0 100 0 78.7 93.83 0 100 0 78.7 SampType: Lcsd TestCode: epht_w Units: µg/L 78.2 Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) 78.2 ND 100 100 0 93.8 ND 100 100 0 93.0 85.09 0 100 0 96.7 85.09 0 100 0 96.7 86.24 0 100 0 96.7	hiorooctadecane	73 93	2	100	c	Š	ţ	;				
SamipType: Lcs TestCode: epht_w Units: µg/L Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) Result PQL SPK value SPK Ref Val %REC ND 100 100 0 65.1 ND 100 100 0 84.2 ND 100 100 0 85.8 SampType: Lcsd TestCode: epht_w Units: µg/L Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) %REC ND 100 100 0 85.8 ND 100 100 0 83.0 ND 100 100 0 85.7 85.09 0 100 0 86.2 86.24 0 100 0 86.2	ərphenyi	88.34	0	5 6	9 0	88.3 88.3	5 5	140 140				
Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) SPK Ref Val %REC ND 100 100 0 65.1 ND 100 100 0 78.7 93.83 0 100 0 78.7 93.83 0 100 0 78.7 85.83 0 100 0 93.8 SampType: Lcsd TestCode: epht_w Units: µg/L 85.8 SampType: Lcsd TestNo: MADEP EPH (eph_Wpr) %REC ND 100 100 93.8 ND 100 100 97.8 ND 100 100 96.7 85.09 0 100 0 86.7 86.24 0 100 0 86.7		noTvoe: Les	TestCo	lo onht w	1,15			- 11				
Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) Result PQL SPK value SPK Ref Val %REC ND 100 100 0 65.1 ND 100 100 0 78.7 93.83 0 100 0 78.7 85.83 0 100 0 85.8 SampType: Lcsd TestCode: epht_w Units: µg/L 85.8 Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) %REC ND 100 100 93.6 ND 100 100 93.6 ND 100 100 93.6 ND 100 0 93.0 ND 100 0 93.0 85.09 0 100 0 86.7 86.24 0 100 0 86.2	j						Prep Date:	10/22/2013	Run	RunNo: 52399	ው	
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ND 100 100 0 65.1 ND 100 100 0 65.1 ND 100 100 0 78.7 93.83 0 100 0 78.7 SampType: Lcsd TestCode: epht_w Units: µg/L Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) ND 100 100 0 97.8 ND 100 100 0 83.0 ND 100 100 0 83.0 85.09 0 100 0 86.1 86.24 0 100 86.1		Result	Pol	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val		%RPD	RPD4 imit	Č
ND 100 100 0 84.2 ND 100 100 0 78.7 93.83 0 100 78.7 SampType: Lcsd TestCode: epht_w Units: µg/L Batch ID: 23154 TestNo: MADEP EPH (eph_wpr) ND 100 100 0 83.0 ND 100 100 0 83.0 ND 100 100 0 85.0 85.09 0 100 0 86.1 86.24 0 100 86.2	phatics	QN	100	100	0	65.1	40	140		- 1		
ND 100 100 78.7 93.83	phatics	Q	100	100	c	2.4.7	. 5	2 5				
93.83 0 100 0 93.8 85.83 0 100 0 93.8 SampType: Lcsd TestCode: epht_w Units: µg/L 85.8 Batch ID: 23154 TestNo: MADEP EPH (eph_wpr) REC Result PQL SPK value SPK Ref Val %REC ND 100 100 0 97.8 ND 100 100 0 97.8 ND 100 100 0 85.7 85.09 0 100 0 86.2 86.24 0 100 0 86.2	C11-C22 Aromatics	S	100	100	0	787	5 4	5 5				
SampType: Lcsd TestCode: epht_w Units: µg/L Batch ID: 23154 TestNo: MADEP EPH (eph_wpr) Result PQL SPK value SPK Ref Val %REC ND 100 100 0 83.0 ND 100 100 0 97.8 ND 100 100 0 86.7 85.09 0 100 0 86.7 86.24 0 100 0 86.2	Noroctadecane	93.83	0	100	c	D3. B	? {	2 5				
SampType: Lcsd TestCode: epht_w Units: µg/L Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) Result PQL SPK value SPK Ref Val %REC ND 100 100 0 97.8 ND 100 100 0 97.8 ND 100 100 0 85.7 85.09 0 100 0 86.7 86.24 0 100 0 86.2	erphenyl	85.83	٥	100	0	85.8	\$ 4	140				
Batch ID: 23154 TestNo: MADEP EPH (eph_Wpr) Result PQL SPK value SPK Ref Val %REC ND 100 100 0 97.8 ND 100 100 0 97.8 ND 100 100 0 85.7 85.09 0 100 0 86.1 86.24 0 100 0 86.2		npType: Lcsd	TestCoc	e: epht w	Units: und/L		Pren Date:	Prec Date: 10(22)2013	- C	3002		
Result PQL SPK value SPK Ref Val %REC ND 100 100 0 97.8 ND 100 100 0 97.8 ND 100 100 0 100 0 85.1 86.24 0 100 0 86.2		atch ID: 23154	Testh	o: MADEP EP	'H (eph_Wpr)	•	Analysis Date:	10/22/2013	Nog S	Number 52399 Section senese	_ 6	
ND 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		# # # # # # # # # # # # # # # # # # #	č	700						2000	<u>n</u>	
ND 100 100 0 ND 100 100 0 85.09 0 100 0 86.24 0 100 0		RESUR	ž	ł	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val		%RPD R	RPDLimit	Qual
ND 100 100 0 ND 100 100 0 85.09 0 100 0	phatics	2	100	100	0	83.0	40	140 65	65 13	6	36	
ND 100 100 0 85.09 0 100 0 86.24 0 100 0	phatics	Q	100	100	0	97.8	40		84.7	. c	3 8	
85.09 0 100 0 86.24 0 100 0	C11-C22 Aromatics	2	9	100	0	85.7	40		787	> <	8 8	
86.24 0 100 0	iforooctadecane	85.09	0	100	0	85.1	40		;	> <	G c	
	rphenyi	86.24	0	100	0	86.2	40	140	, c	• •	0	
											,	

Holding times for preparation or analysis exceeded RPD outside recovery limits **=** ~ 45 Johnson Lanc ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811 Not Detected at the Reporting Limit Spike Recovery outside recovery limits Value above quantitation range GeoLabs, Inc. S B E Analyte detected below quantitation limits Reporting Limit

BRL Below Reporting Limit

Qualifiers:

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CLIENT: Compliance Environmental
Work Order: 1310182

Project: Main St, Wareham

TestCode: VPH_W2

Sample ID: MBLK	SampType: MBLK	TestCoc	TestCode: VPH_W2	Units: µg/L		Prep Date:		Duplic coans		1
Client ID: ZZZZZ	Batch ID: R52431	Test	TestNo: VPH	!		Analysis Date: 10/23/2013	10/23/2013	SeqNo: 590771		********
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit Hi	LowLimit HighLimit RPD Ref Val	SRPD RPD1 imit	imit	
1,2,4-Trimethylbenzene	QN	1 00						- 1	- }	٦
2,2,4-Trimethyipentane	Q	100								
2-Methylpentane	QN	1.00								
n-Butyloyclohexane	Ą	1.00								
n-Decane	2	1.00								
n-Nonane	S	1.00								
ก-Pentane	S	1.00								
C9-C10 Aromatic Hydrocarbons	2	100								
Unadjusted C5-C8 Aliphatic Hydrocarbo		001								
Unadjusted C9-C12 Aliphatic Hydrocarb		100								
Methyl Tert-Butyl Ether	2	1.00								
Benzene	2	1.00								
Toluene	2	1.00								
Ethylbenzene	QN	9.								
m,p-Xylene	Q	1.00								
o-Xylene	2	1.00								
Naphthalene	Ð	1,00								
Adjusted C5-C8 Aliphatic Hydrocarbons		100								
Adjusted C9-C12 Aliphatic Hydrocarbon		100								
Surr: 2,5-Dibromotoluene FID	124.0	0	100	c	124	24	790			
Surr: 2,5-Dibromotoluene PID	119.3	0	100) O	119	2 2	130			
Sample ID: 1 Ce										1
	SampType: LCS	TestCod	TestCode: VPH_W2	Units: µg/L		Prep Date:		RuniNo: 52431		_
Client ID: ZZZZZ	Batch ID: R52431	Testiv	TestNo: VPH		∢	Analysis Date: 10/23/2013	10/23/2013	SeqNo: 590769		

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

Quai

RPDLimit

%RPD

%REC LowLimit HighLimit RPD Ref Val

130

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84.0

0

50

SPK value SPK Ref Val

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Result 84.02

1,2,4-Trimethylbenzene

Analyte

GeoLabs, Inc.

Compliance Environmental CLIENT:

1310182 Work Order: Project:

Main St, Wareham

TestCode: VPH_W2

Sample ID: LCS Samp	SampType: LCS	TestCo	TestCode: VPH_W2	Units: µg/L		Prep Date:		Pares offere		
Client ID: ZZZZZ Bait	Batch ID: R52431	Test	FestNo: VPH	ŗ	-	Analysis Date: 10/23/2013	10/23/2013	SeqNo: 590769	.51 1769	
Anatyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val		RPDI imit	Ç
2,2,4-Trimethylpentane	97.71	1.00	100	0.0	07 E	1				iba
2-Methylpentane	100.7	5	100	1 4	3 6	2 ;	130			
n-Butulohayana	7.00	9 6	001	>	5	92	130			
	98.42	1.00	100	0	98.4	22	130			
II-Decane	106.6	1.00	100	0	107	70	130			
n-Nonane	99.45	1.00	100	0	99.4	30	130			
n-Pentane	88.29	1.00	100	0	88.3	2 2	130			
C9-C10 Aromatic Hydrocarbons	114.6	100	100	C	1.5	2 5	0 6			
Unadjusted C5-C8 Aliphatic Hydrocarbo	276.0	100	300	· c	2 6	2 8	25.			
Unadjusted C9-C12 Aliphatic Hydrocarb	388.5	9	300	• =	120	2 8	200			
Methyl Tert-Butyl Ether	82.78	1.00	100	, ,	3 6	2 8	50			
Benzene	85.99	1,00	100	· c	9 6	2 5	200			
Toluene	87.78	60	90.	o	2 6	2 6	091			
Ethylbenzene	80.62	1.00	50.		0.10	2 8	0£1 130			
m,p-Xylene	169.8	1.00	2002	o c	0.00	2 8	130			
o-Xylene	93.14	50,	100) c	5 6	6 k	130			
Naphthalene	87.01	1.00	100	· c	2 6	2 6	130			
Surr: 2,5-Dibromotoluene FID	97.20	0	100		97.0	<u>,</u>	50.00			
Surr: 2,5-Dibramatoluens PID	92.94	0	100	. 0	92.9	2 2	130			
						?	201	,		
Sample ID: LCSD Samp	SampType: LCSD	TestCoc	tCode: VPH_W2	Units: µg/L	,	Prep Date:		PunNo: 53434		

Sample ID: LCSD Sam	SampType: LCSD	TestCode	TestCode: VPH_W2	Units: µg/L		Prep Date	9		Punilo: 53434		
Client ID: ZZZZZ Ba	Batch ID: R52431	TestNo	esfNo: VPH	Į.	•	Analysis Date: 10/23/2013	te: 10/23/2	013	SedNo: 590770	0770	
Analyte	Result	PQL	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Quai
1,2,4-Trimethylbenzene 2,2,4-Trimethylpentane 2-Methylpentane n-Butylcyclohexane	88.03 96.42 95.75 120.1	1.00 1.00 1.00 1.00	100 100 100 100	0.22	88.0 96.2 95.8 120	07 07 07 07	130	84.02 97.71 100.7 98.42	4.66 1.33 5.01 19.9	25 25 25 25	
Qualifiers: BRL Below Reporting Limit J Analyte detected below RL Reporting Limit	Below Reporting Limit Analyte detected below quantitation limits Reporting Limit		E Value ND Not D	Value above quantitation range Not Detected at the Reporting Limit Spike Recovery outside recovery limits	nge ng Limit very limits		# K	Holding times for preparation or analysis exceeded RPD outside recovery limits	reparation or an	nalysis exceede	

45 Joi:nson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811 GeoLabs, Inc.

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Compliance Environmental 1310182 Work Order: CLIENT;

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Main St, Wareham Project:

TestCode: VPH W2

Sample ID: LCSD Samp	SampType: LCSD	TestCo	TestCode: VPH_W2	Units: ua/L		Pren Date	i				
Client ID; ZZZZZ Batc	Batch ID: R52431	Test	TestNo: VPH				· ·	į	Kunno: 52431	<u> </u>	
			•		•	Alietysis Date: 10/23/2013	e: 10/23/2	613	SedNo: 590770	0770	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	HighLimit	RPD Ref Val	%RPD	RPD!	Ğ
n-Decane	135.7	1.00	100	0	136	۶	130	0.007		- 1	i ka
n-Nonane	118.6	1.00	100		140	2 6	יייי פריייייייייייייייייייייייייייייייי	100,0	24.0	25	S
n-Pentane	95 16		2 6	> •	2	₹	130	99.45	17.6	25	
C9-C10 Aromatic Hudramarkage	27.77	07.	3	9	85.2	92	130	88.29	3.61	25	
	143.1	100	100	0	143	02	130	114.6	22.4	, ç	ø
Charlested Co-Co Alphatic Hydrocarbo	268.3	100	300	O	89.4	20	130	276	0 60	3 6)
Onadjusted C9-C12 Aliphatic Hydrocarb	409.6	5	300	0	137	-	130	2 6	7 .07	0,	
Methyl Tert-Butyl Ether	83.89	6	400			2	2	200.5	5.30	25	ဟ
Benzene	20,00	3 6	201	>	83.9	2	130	82.78	1.33	25	
Tobleson	60.12	3	100	0	80.1	22	130	85.99	70.7	, c	
	86.91	8	100	0	86.9	20	130	87 78	9000	3 6	
Ethylbenzene	80.53	1.00	100	C	208		19		Dâg.	07	
m,p-Xylene	165.8	8	C	, c		2	25	80.62	0.112	25	
o-Xvlene	0000	3 6	200	>	87.9	70	130	169.8	2.40	25	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	39.77	3	100	0	99.3	70	130	93.14	637	, tc	
isapinialeite	123.9	9.	100	0	124	70	130	10 VB	2 4	3 6	ı
Surt. 2,5-Dibromatoluene FIO	120.7	0	100	0	121		200	5	0.00	C7	Y
Surr: 2,5-Dibromotoluene PID	20 04	c		•	<u>.</u>	2	25	Þ	0	0	
	0.75	>	3	>	92.9	20	130	0	•	•	

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

45 Johnson Laine ~ Braintree MA 02184 ~ 781 849 7844 ~ 781 848 7811 GeoLabs, Inc.

S = Soil A = Air O = O = O O = O S = Soil A = Air O = O S = Soil A = Air O = O S = Soil A = Air O = O Date Date Date	Geolabs, Inc. Environmental Laboratories Medelabs, Inc. Environmental Laboratories Medelabs. Com Turnaround: circle one To Tal. 848.7844 • 1 781.848.7811 WARW. geolabs. Com To Tal. 848.7811 Fax 3-day Fax Fax Fax Fax Fax Fax Fax F	Filtration Done Handling: circle choice Filtration Done Not Needed Lab to do Preservation Lab to do Y/N Delivery: circle choice (s) GW-1 SEND U-S. (m.3) S-1	Phone: 508-33-38/2 Fax: Do Not FAX-Send Uta	SAMPLE TO ME TO B GEOLADS SAMPLE NUMBER TO SAMPLE NUMBER	-107 AP8	S = Soil A = Air Received on Ice Preservatives S = H2SO4 5 = NaOH 7 = Other Gentainers: A = Amber B = Bag 0 = Other Plastic 0 = Other 0
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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 (2508) - RI (LA000252)

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Laboratory N	ame: GeoLabs, l		Projec				
Project Locat	ion: Main St, Wa	reham MA	RTN;				
This form pro	vides certification	for the following da	ata set: 1402174 (001	-004)	•	· · · · · ·	· · · · · · · · · · · · · · · · · · ·
Matrices:	⊠ Ground	lwater/Surface Wat	er Soil/Sediment	☐ Drinking Water ☐	Air 🗆	Other-wa	stewater
´	ol (check all that a	apply below):					
8260 VOC CAM II A		MassDEP VPH CAM IV A 図	8081 Pesicides CAM V B	7196 Hex Cr CAM VI B		MassDEP /	APH
2 8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A		TO-15 VOC CAM IX B	
6010 Metals	6020 Metals CAM III D 🖂	8082 PCB CAM V A 🗀	9014 Total Cyanide/PAC CAM VI A □	6860 Perchlorate CAM VIII B □		-	
Affirmative R	esponses to Que	estions A through	F are required for "F	Presumptive Certainty	" status		
A	Custody, p	properly preserved (in prepared/analy	cluding temperature) in t zed within method holdi		d d	⊠ Yes	□ No
В	Were the analytic		essociated QC requirement rotocol(s) followed?	ents specified in the select	ted CAM	⊠ Yes	□ No
С	Were all require CAM protocol(ed corrective actions a	and analytical response a	actions specified in the se standard non-conforman	lected ces?	⊠ Yes	□ No
D	Does the laborator Assurance and Q	y report comply with uality Control Guideli	all reporting requirement nes for the Acquisition a	s specified in CAM VII A, nd Reporting of Analtyical	"Quality Data"?	⊠ Yes	□ 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.) ☑ Yes ☐ No							□ No
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?						
F	and evaluated in	a laboratory narrative	(including all "No" respo	ard non-conformances ide onses to Questions A thro	uah E)	⊠ Yes	□ No
ii I	Were the report	, and I below are re	equired for "Presump	otive Certainty" status	6 6 A M		
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 usablility and representativeness requirements described in 310 CMR 40. 1056 (2) (k) and WSC-07-350.							
H	Were all Q	C performance standa	erds as specified in the C	:AM protocol(s) achieved:	?	□ Yeş	⊠ No ¹
ı				the selected CAM protoc	ol(s)?	🗵 Yes	□ No¹
			ttached laboratory nar				
those responsil	ble for obtaining th	he pains and penalti he information, the practice.	es of perjury that, base material contained in the	ed upon my personal ind nis analytical report is, t	quiry of to the be	st	
Signature:	& kerriel	Poblick	Positio	n: Laboratory Directo	or		
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.

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.

Reported Date: 03-Mar-14

CLIENT: Compl

Compliance Environmental

1402174

Lab Order: 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	Qua	Units	DF	Date Analyzed
VPH - MADEP VPH						Analyst: ZC
Prep Method:		P	rep D:	ate:		
C9-C10 Aromatic Hydrocarbons	8 59	100	Ę	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	2/25/2014 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		μ g/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	784	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:	В	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits		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

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 Q	ual Units	DF	Date Analyzed
/PH - 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	2/25/2014 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	t	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

Qualiflers:

Analyte detected in the associated Method Blank

E Value above quantitation range

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

Spike Recovery outside recovery limits

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 Q	ual Units	DF	Date Analyzed
/PH - MADEP VPH				· · · · · · · · · · · · · · · · · · ·	Analyst: ZC
Prep Method:		Pre	p 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	μ <u>σ</u> /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
n,p-Xylene	ND	1.00	μg/L	1	2/26/2014 9:34:00 AM
p-Xylane	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	h g/r	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

Qualiflers:

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

RLReporting Limit

В

Ε

Below Reporting Limit

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

Reported Date: 03-Mar-14

CLIENT: Lab Order: Compliance Environmental

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

					UNDWATER
Analyses	Result	RL Q	ual Units	DF	Date Analyzed
VPH - MADEP VPH				-	Analyst: ZC
Prep Method:		Prej	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	αи	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:	В	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		Not Detected at the Reporting Limit
	RL	Reporting Limit		Spike Recovery outside recovery limits

ANALYTICAL QC SUMMARY REPORT

Compliance Environmental CLIENT:

1402174 Work Order:

Project:

TestCode: VPH_W2

Sample ID: MBLK	SampType: MBLK	TestCoc	TestCode: VPH_W2	Units: µg/L		Prep Date:	١		Dunklo: Ea		
Client ID: ZZZZZ	Batch ID: R63714	Testh	TestNo: VPH	!		Analysis Date: 2/26/2014	e: 2/26/2 01	₹	SedNo: 603575	74	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighCimit	RPD Ref Val	, a	11	
1,2,4-Trimethylbenzene	CN	100					,			- 1	Cual Cual
2,2,4-Trimethylpentane	2	8									
2-Methylpentane	S	1.00									
n-Butyloyolohexane	Q	9									
n-Decane	Q	1.00									
n-Nonane	Q	1.00									
n-Pentane	Q	1.00									
C9-C10 Aromatic Hydrocarbons		100									
Unadjusted C5-C8 Allphatic Hydrocarbon		100									
Unadjusted C9-C12 Aliphatic Hydrocarbo		190									
Methyl Tert-Butyl Ether		0.1									
Benzene	S	1.00									
Toluene	QN	100									
Ethylbenzene	Q	60.									
m.p-Xylene	QN	1.8									
o-Xylene	OZ.	1.00									
Naphthalene	OZ Z	1.00									
Adjusted C5-C8 Aliphatic Hydrocarbons		100									
Adjusted C9-C12 Aliphatic Hydrocarbons		92									
Surr: 2,5-Dibromotoluene FID	80	0	100	0	88.0	ç	66				
Surr: 2,5-Dibromotoluene PID	0 88.78	0	100	0	88.8	2 8	130				
Sample ID: MBLK	SampType: MBLK	TestCod	TestCode: VPH_W2	Units: µg/L.		Pren Date:					
Client ID: ZZZZZ	Batch ID: R53735	TestN	FestNo: VPH)	4	Analysis Date: 2/28/2014	. 2/26/2014		Kunino: 53735		

Value above quantitation range BRL Below Reporting Limit Qualifiers:

Analyte detected below quantitation limits RL Reporting Limit

Spike Recovery outside recovery limits Not Detected at the Reporting Limit ы В S

Holding times for preparation or analysis exceeded RPD outside recovery limits Ħ z

Qual

RPDLimit

%RPD

%REC LowLimit HighLimit RPD Ref Val

SPK value SPK Ref Val

집

Result

Analyte

SeqNo: 603749

GeoLabs, Inc.

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

Compliance Environmental CLIENT:

1402174 Work Order: **Project:**

TestCode: VPH W2

	,								1		
Sample ID: MBLK	SampType: MBLK	TestCoc	TestCode: VPH W2	Units: Ira/L		Pren Date:					
Client ID: ZZZZZ	Batch ID: R53735	Testh	TestNo: VPH	2		Analysis Date: 2/28/2014	.: 2/28/20	<u>*</u>	Section 603749	35	
Analyte	Result	PQL	SPK vatue	SPK Ref Val	% CHG	lowd imit High! imit	Líchí im			2	
1,2,4-Trimethybenzana	CN	7						ואר ט הפו עמו	CIANG	RPDLimit	Oual
	2	3									
2,2,4-1 rimethy/pentane	Q	<u>8</u> .									
2-Methylpentane	2	100									
n-Butylcyclohexane	9	5									
n-Decane	2	00.									
n-Nonane	2	5									
n-Pentane	2	5									
C9-C10 Aromatic Hydrocarbons	2	9 2									
Unadjusted C5-C8 Aliphatic Hydrocarbon		<u> </u>									
Unadjusted C9-C12 Aliphatic Hydrocarbo		Ę									
Methyl Tert-Butyl Ether		8									
Benzere	Q.	1.00									
Toluene	QN	001									
Ethylbenzene	2	5									
m.p-Xylene	Q	8									
o-Xylene	Q	001									
Naphthalene	Q.	5									
Adjusted C5-C8 Aliphatic Hydrocarbons		Ę									
Adjusted C9-C12 Aliphatic Hydrocarbons		<u>6</u>									
Surr: 2,5-Dibromotoluene FID	89	0	100	c	0 88	ş	6				
Surr: 2,5-Dibromotoluene PID	88.78	0	100	. 0	88.8	2 8	<u>8</u>				
Sample ID: LCS	SampType: LCS	TestCod	TestCode: VPH W2	Units: ua/L		Pren Date:					
Client ID: ZZZZZ	Batch ID: R53714	TestNr	TestNo: VPH		•	Analus Data: America 4			Kunno: 53714	±	
					_	aldiyələ Dalq	107/07/7		Section 603572		

H Holding times for preparation or analysis exceeded R RPD outside recovery limits RPD outside recovery limits 8 8 80.2 Spike Recovery outside recovery limits Not Detected at the Reporting Limit Value above quantitation range 0.27 Š s ĸ Analyte detected below quantitation limits BRL Below Reporting Limit Reporting Limit βĽ Qualifiers:

Qual

RPDLIMIT

%RPD

HighLimit RPD Ref Val

%REC LowLimit

SPK Ref Val

SPK value 8

ם . 8

Result 80.47

1,2,4-Trimethylbenzene

Analyte

SeqNo: 603573

Analysis Date: 2/26/2014

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

CLIENT: Compliance Environmental

Work Order: 1402174 Project:

TestCode: VPH_W2

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Sample ID: LCS	SampType: LCS	TestCoc	TestCode: VPH W2	linite: 110/							
Clent ID: ZZZZZ	Batch ID: R53714	Tosth	TestNo: VBH	151 · · · · · · · · · · · · · · · · · ·		Frep Date			RunNo: 53714	¥.	
:			:			Analysis Date: 2/28/2014	2/28/201	*	SeqNo: 603573	1573	
Analyte	Result	PQL	SPK value	SPK Ref Vaf	%REC	LowLimit	HighUmit	RPD Ref Vai	%RPD	# E	Š
2,2,4-Trimethylpentane	75.33	1.00	\$	0.7	75.2	6	36,				ĭ Ç
2-Methylpentane	93.79	1.00	100	; =	y 0	2 8	8 5				
n-Butylcyclohexane	97.41	1.00	5 5	0 00 C	9 6	2 9	3				
n-Decane	66.65	5	5 5	4,0204	4,79	2 1	130				
n-Nonane	7 007	8. 4	2 :	0.02203	99.9	9	130				
Dontone	4.801	8.	100	0.002728	109	8	130				
	114.8	. 8	<u>\$</u>	0	115	02	130				
Certify Aromatic Hydrocarbons		100	100	0	84.2	20	130				
Unaglusted Co-C8 Aliphatic Hydrocarbon	фол 293.0	100 100	300	0	27.7	2 2	5				
Unadjusted CS-C12 Aliphatic Hydrocarbo	arbo 223.5	92	300	0	74.5	2 2	(S)				
Metnyl 1 ett-Butyl Ether	94.27	1.00	100	0	94.3	. 2	<u>8</u>				
benzene -	83.07	1.00	100	0.14	82.9	2 5	3 5				
loitene	83,93	1.00	9	0.2	83.7	2 8	3 8				
Ethylbenzene	88.71	9.	100	0.3	88.4	2 5	ž ž				
m.p-Xylene	158.1	8.	200	0.22	78.9	2 8	3 5				
o-Xylene	92.10	9.	100	0.22	6.6	2 2	\$ E				
Naphthalene	86.53	1.00	50	o	86.5	2 2	<u>}</u>				
Surr: 2,5-Dibromotoluene FID	89.60	0	100	O	89,68	2 2	130				
Suff: 2,5-Dibromotoluene PJD	84.06	0	100	0	84.1	2 22	130				
Sample ID: LCS	SampType: LCS	TestCod	TestCode: VPH W2	Units: ma/f		Drop Date					
Client ID: ZZZZZ	Rotch ID: DE070E	ŀ	1	i i		Try Date.			KunNo: 53735	10	
	Date 12, 1251 50	lesin.	estNo: VPH		•	Analysis Date: 9/98/9044	2/26/2014	-			

Client ID: ZZZZZ	Batch ID: R63735	TestNo: VPH	МРН			Analysis Dat	Analysis Date: 2/26/2014		SeqNo: 603747	38 747	
Analyte	Result	Pal	SPK value	PQL SPK value SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	PO Ref Val	%RPD	%RPD RPDImit	<u> </u>
1,2,4-Trimethylbenzene 2,2,4-Trimethylpentane 2-Methylpentane n-Butylcyckhexane	80.47 76.33 93.79 97.41	1.00 1.00 1.00	6 6 6 6 6 6 6 6 6 6 6 7 6 7 6 7 6 7 6 7	0.27 0.1 0	80.2 75.2 93.8 97.4	5 5 5 5	130 130 130				
Qualifiers: BRL Below Reporting Limit J Analyte detected below RL Reporting Limit	Below Reporting Linit Analyte detected below quantitation limits Reporting Linit	2	E Value a ND Not De S Spike R	Value above quantitation range Not Detected at the Reporting Limit Spike Recovery outside recovery limits	ge ; Limit rery limits		H Hok	Holding times for preparation or analysis exceeded RPD outside recovery fimits	paration or ana Fimits	lysis exceeded	

GeoLabs, Inc. $45 \ \ Johnson \ Lane \sim Braintree \ MA\ 02184 \sim 781\ 848\ 7844 \sim 781\ 848\ 7811$

Compliance Environmental CLIENT:

1402174 Work Order:

Project:

TestCode: VPH W2

									ŧ		
Sample ID: LCS Sam	SampType: LCS	TestCo	TestCode: VPH W2	Units: ua/L		Pron Date:					
Cilent ID: ZZZZZ	Batch 10 . DE479E	1		A STATE OF THE STA		ried Dai	75		RunNo: 53735	735	
!	atcil IU. K63/39		estivo: VPH			Analysis Date:	a: 2/26/2014	14	SeqNo: 603747	3747	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	200	i	Ċ
n-Decane	98.91	8.	Ę		6	1			2	NT OLEMA	E C C
n-Nonane	1004	5	. 5	> (n .	2	5				
n-Pentane	1 1	3	3	9	9	ନ	130				
	114.8	1.00	9	0	115	92	130				
Cs-C10 Aromatic Hydrocarbons	2	8	100	0	84.2	20	£				
Unadjusted C5-C8 Aliphatic Hydrocarbon	293.0	5	300	0	27.7	2 6	5 5				
Unadjusted C9-C12 Aliphatic Hydrocarbo	223.5	8	8	0	745	2 6	3 6				
Methyl Tert-Butyl Ether	94.27	9	5		5 5	2 6	3				
Benzene	83.07	5	8 6	> (n f	?	135				
Tolliene	50.00	3 5	3	>	83. 1.0	92	5				
	26.93 26.93	9.1	6	0	83.9	2	130				
	88.71	9	5	O	88.7	20	130				
m,p-Xylene	158.1	1.00	200	0	79.1	2 02	5 05				
o-Aylene	92.10	1.00	5	Ö	92.1	2.2	1 6				
Naphthalene	86.53	1.00	8	-	26.5	2 5	3 5				
Surr: 2,5-Dibromotoluene FID	89.60	c	5			2 1	2				
Stirr 25-Dibromotal can Dia	09:00	o •	3	5	89.6	29	130				
Carr. 2,5-Districtioneria PID	84.06	0	100	0	84.1	2	2				
Sample ID: LCSD Samp	SampType: LCSD	TestCoc	TestCode: VPH WZ	Units: 00%		Drot Orto					
Cilent ID: 72727			ı	Į D		rich Date			KunNo: 53714	7	
י בבבונב	Hatch ID: R53714	Test	estNo: VPH		•	Analysis Date:	2/26/2014	4	SeqNo: 603574	574	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	8000	7000	
1,2,4-Trimethylbenzene	82.34	8.) g	0.27	87.4		1		2 110	NP DEBIN	Cual
2,2,4-Trimethypentane	100.5	5	000	Č	1.50	2 1	<u> </u>	80.47	2.30	83	
2-Methylpentane	7000		3 ;	- 5	3	9	2	75.33	28.7	K	œ
D-Butvickclohevans	#0'00	00.1	8	o	88.6	20	130	93.79	5.65	K	:
n-Dozano	127.8	1.00	8	0.0264	128	2	130	97 41	27.0	; <u>;</u>	£
	148.5	9.	100	0.02203	148	20	130	8	2 6	3 1	؛ ک
n-worlane	128.4 4.821	9:	100	0.002728	82	. e	13 6	1007	- no	ß	SK
n-Pentane	106.0	1.00	5	c	90,	9 6	2 (7,00	16.7	PA	
		!	2	>	9	5	130	114.8	7.97	ĸ	

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

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

Q **5/2**

Analyte detected below quantitation limits

Reporting Limit

R -

BRL Below Reporting Limit

Qualifiers:

M

Holding times for preparation or analysis exceeded

RPD outside recovery limits

田民

Compliance Environmental 1402174 CLIENT:

Work Order:

Project:

TestCode: VPH_W2

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Part December 1, 1974 Part December 1, 1974 Part December 2, 1974 Part December 3, 1974 Part December 4, 1974 Part		1										
Name		Type: LCSD	TestCo	de: VPH_W2	Units: µg/L		Prep Dat	.e.		RunNo. 537	71.4	
Pool	22222	ch ID: R53714	Test	Io; VPH			Analvsis Dat		7	Courles Co	<u>.</u>	
Pacific Paci	•								:	Seding: Pos	10/4	
Comparison Com	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLImit	Oual
Color Approximation Color Colo	C9-C10 Aromatic Hydrocarbons	ON	90,	100	0	84.2	2	130	97.10	2000		
CSD Unadjusted C5-C8 Aliphatic Hydrocarbon	300.5	9	300	c	5	2 6	3 5	9.10 6.10	0.0475	KS		
Patrol Filter Patrol P	Unadjusted C9-C12 Aliphatic Hydrocarbo	346.0	ξ	9 6	> 6	2 .	₹ ;	S.	283	254	33	
Solitor Soli	Methyl Text-Birtyl Ethan	5 6	3 5	ODS :	-	2	2	130	223.5	34.3	Ж	œ
Bit Stite 100 100 0.14 Bit 7 70 130 83.50 1.50 2.50	Romana	8 :	00.1	100	0	95.8	20	130	94.27	.66	5,	i i
Second S		81.81	9:	100	0.14	81.7	2	130	83.07	153	, k	
Fig. 1 F	loutene	82.17	1.00	100	0.2	82.0	70	130	83.93	25.0	3 5	
159.3 1.00 200 0.22 79.5 70 130 150.1 0.756 2.5 2.	Ethylbenzene	80.81	9.	901	0.3	80.5	02	£	98 74	7 7	Q ;	
10.0 10.0	m,p-Xyfene	159.3	1.00	200	0.22	79.5	2 6	3 5	40.5	9.32	8	
110.8 1.00 1.00 1.00 0 1.11 1.01 1.02 1.02 1.02 1.02 1.02 1.03 1.	o-Xyiene	85.61	9.1	60	0 0	A 17.0	2 6	3 5	20.1	0.756	KS KS	
Committee Dimension Dime	Naphthalene	110.8	5	ξ		j ;	2 }	3 1	92.1	7.30	SS SS	
LOSD SampType: LCSD TestCode: VPH_W2 LOSD Seg. 3	Sur: 2.5-Dibromotolitene FID	96 90	9	3 5	> (Ξ ;	9	8	86.53	24.6	18	
CSZZZZ Batch D: R83736 TestCode: VPH_W2 Units: µg/L Prep Dafe: Case Diagos Dafe: Case Dafe:	Sign of Discontinuous Sta	8 8	> 1	3	9	88.4	92	130	0	0	C	
LOSD SampType: LOSD TestCoole: YPH_W2 Units: µg/L Analysis Date: 2/612014 Sequential control of the part of the		58.33	0	190	0	86.3	8	130	0	0	ם י	
Result PQL SPK Ref Val SPK		Type: LCSD	TestCo	e: VPH_W2	Units: µg/L		Prep Date			RunNo: 637		
Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit RPD Ref Val %RPD RPDLinit RPD Ref Val %RPD Reporting Linit RPD Ref Val %RPD Ref Val %RPD Reporting Linit RPD Ref Val RPD Ref Val RPD Reporting Linit RPD Ref Val RPD Ref Val RPD Ref Val RPD Reporting Linit RPD Ref Val RPD Ref	22222	sh ID: R53735	Testh	lo: VPH			Analysis Date		<u> </u>	SeqNo: 6037	748	
ethylbenzene 82.34 1.00 100 0.27 82.1 70 130 80.47 2.30 26 ethylpentane 100.5 1.00 100 0.1 100 70 130 75.33 28.7 25 othexane 100.5 1.00 100 0.1 128 70 130 97.41 2.30 26.7 othexane 128.4 1.00 100 0 128 70 130 97.41 27.0 25 othexane 128.4 1.00 100 0 128 70 130 99.41 27.0 25 ormalic Hydrocarbons ND 100 100 0 128 70 130 99.41 27.0 25 I C5-C3 Aliphatic Hydrocarbons ND 100 100 0 142 70 130 167 70 130 254 25 I C5-C3 Aliphatic Hydrocarbon 300.5 100 100 100 100	Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDI imit	<u> </u>
Hypertrane 100.5 1.00 1.01 1.01 1.00 1.01 1.00	1,2,4-Trimethylbanzane	82.34	5	50,	20.0	3						
Intrane	2,2,4-Trimethypentane	400.5	3 5	2 5	0.21	1.70 1.70	2	39	80.47	2.30	R	
127.8 1.00 100 128 70 130 137, 41 27.0 25 25 25 25 25 25 25 2	2-Methylpentane	200	3 5	00 (ž	2	<u>운</u>	75.33	28.7	12	02
127.0 128 70 130 97.41 27.0 25 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0 25 27.0	D-Buttovolohevane	86.54 20.54	90.	100	0	88.6	2	130	93.79	5.65	193	:
148.5. 1.00 100 0 149 70 130 99.91 39.1 25 129.4 1.00 100 0 129 30 130 103.4 16.7 25 106.0 1.00 100 0 106 70 130 114.8 7.97 25 1 C5-C8 Alliphatic Hydrocarbon 300.5 100 300 0 100 70 130 84.18 0.0475 25 1 C5-C12 Aliphatic Hydrocarbon 316.0 100 300 0 100 70 130 293 2.54 25 BRL Below Reporting Limit E Value above quantitation range F Holding times for preparation or analysis exceeded Analyte detected below quantitation limits B Not Detected at the Reporting Limit R RPD outside recovery limits	n-Decape	127.5	3 5	100	0	128	2	95 5	97.41	27.0	18	œ
128.4 1.00 100 129 30 130 109.4 16.7 25 106.0 1.00 100 106 70 130 114.8 7.97 25 105.0 100 100 0 106 70 130 14.8 7.97 25 105.0 100 100 100 70 130 14.8 0.0475 25 105.0 100 100 100 100 100 100 100 130 23.5 34.3 25 25 25 25 25 25 25 2	-Nonane	148.5	8: 5	100	0	149	8	130	98.91	39.1	8	: C
IVD. Uniformatic Hydrocarbons 1.00.0 </td <td>D-Penhare</td> <td>4.82.4</td> <td>8 (</td> <td><u>8</u></td> <td>0</td> <td>43</td> <td>ଞ</td> <td>130</td> <td>109.4</td> <td>16.7</td> <td>1 12</td> <td>í</td>	D-Penhare	4.82.4	8 (<u>8</u>	0	43	ଞ	130	109.4	16.7	1 12	í
100	C9-C10 Aromatic Highwayshang	0.001	3.5	100	0	106	2	130	114.8	7.97	1 89	
CS-C12 Aliphatic Hydrocarbon 300.5 100 300 0 100 70 130 293 2.54 25 25 25 25 25 25 25	The direction of the control of the	2	3	100	0	84.2	20	130	84.18	0.0475	, H	
BRL Below Reporting Limit Brown trained below quantitation limits ND Not Detected at the Reporting Limit R RPD outside recovery limits	Inadjected CO-Co Authoratic Hydrocarbon	300.5	ã	300	0	5	2	13	283	254	3 K	
BRL Below Reporting Limit J. Analyte detected below quantitation limits R. Renortine Limit R. Renortine Limit	Oraquesteu Ce-C12 Aliphalic Hydrocarbo	316.0	9	99	0	105	70	130	223.5	34.3	8 8	œ
Analyte detected below quantitation limits ND Not Detected at the Reporting Limit Renorting Limit	BRL			1	The state of the s							
Renative Limit	-	quantitation limits			tected at the Reporting	se Limit			olding times for pr	eparation or analy	ysis exceeded	
		•			denotation and an array				P.D. Outside recover	y limits		

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

CLIENT:

Work Order: Project:

Compliance Environmental 1402174

TestCode: VPH_W2

)

Sample ID: LCSD Client ID: ZZZZZ	SampType: LCSD Batch ID: R63736	TestCo Testh	TestCode: VPH_W2 TestNo: VPH	Units: µg/L		Prep Dafe: Analysis Date: 2/28/2014	e: e: 2/26/201	7	RunNo: 83735 SeqNo: 603748	735	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLlmit	LowLimit HighLimit RPD Ref Val	%RPD	#imi ICIDS	Č
Methyl Tert-Butyl Ether Berizene Toluene Ethylbenzene m.p-Xylene o-Xylere Nathitrialene Surr: 2,5-Dibromotoluene FID	95.85 81.81 82.17 80.81 159.3 85.61 110.8 88.36	0.1 0.1 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0	200 100 100 100 100 100 100 100 100 100	00000000	95.8 81.8 82.2 80.8 79.7 79.7 85.6 111 88.4	22222222	130 130 130 130 130 130 130 130 130	94.27 83.07 83.93 88.71 158.1 92.1 96.53	1.66 1.53 2.12 9.32 0.756 7.30 24.6		

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

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

Wichs chair		-Waveham, mag	Lab Use Only TEMPERATURE TAB THE TABLE TAB	B = Bag 0 = Other P = Plastic V = Voa
ANALYDA ARE ARE	ence Protocol	क्रे	Analysis Requested	Containers: A = Amber G = Glass S = Summa
HOV CHAIN	Requirements; circle choice (s) CT RCP (Reasonable Confiden State / Fed Program - Criteria	Project: (P.11) Project PO:	シーシートライトトー	5 = NaOH 7 = Other 6 = MEOH
* *	(MCP Methods DEP Other	1-0262 v8-123-3816 HPAim.<	Geolaus Sample number 2774 - 001 002 003	Preservatives (= Hc) 3 = H2SO4 2 = HNU3 4 = NacsYO3 Received by:
Sample Handling: circle choice Filtration Done Not Needed Lab to do Preservation Lab to do Y/N	rhoice (s) GW-1 FDF GW-1	Phane; 50 Brains	CONTAINER PY A CONTAI	Received on Ice
ECORD	y: circle on 12, 14.5	1 BEARCOURT DRIVE Atthebase and 62703 For 1-136: W < 50 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A3-3514= Sangla SAMPLE LOCATION/ID RW-101 WW-101 WW-102 V RW-105 V RW-105 V RW-106 RW-106 V RW-106 V RW-106 V RW-106 V RW-106 V RW-106 RW-106 V RW-106 V RW-106 RW-	S = Soil A = Air 0 = Oil OT = Other Date / Time
GeoLabs, Inc. Environmental Laboratories 45 Johnson Lane, Braintree, MA 02184 p 781.848.784 f 781.848.7811 www.geolabs.com	e (§)	BEARCOURT THE SECONDARY OCAMBERONA	COLLECTION COLLECTION TAN A 3 S S S S S S S S S S S S S S S S S S	DW = Drinking Water SL = Studge
olabs, Inc.	1-day 2-day	Contact: Services Contact: Social Services	2/22 1/3 8 E E E E E E E E E E E E E E E E E E	MW = Waste Water Relinquished by:

2010730.J&P.C of CR.09/22/10 THANK YOU - WE APPRECIATE YOU'R BUSINESS. All discounting will be removed after 90 days. All Payment lerms are NET 30 Days. A CT [PH-0148] late payment charge of 1.5% per month or 18% per year, together with expenses above and beyond collection costs, including attomey's less and court costs, will be applied to balances that go beyond NET 30 days.

ANALYTICAL REPORT

GeoLabs, Inc.

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,

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)

			incerence in	difaith ieim			
Laboratory Na	ame: GeoLabs, li	nc.	Projec	xt #:			
Project Locati	on:		RTN:				
This form pro	vides certification	for the following da	ta set: 1402167 (001	-005)			
Matrices:	☑ Ground	water/Surface Wate		☐ Drinking Water ☐	Air 🗆	Other-wa	stewater
	i (check all that a	apply below):			****		
·	7470/7471 Hg CAM III B 🔲	MassDEP VPH CAM IV A ⊠	8081 Pesicides CAM V B □	7196 Hex Cr CAM VI B		MassDEP /	APH
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B ⊠	8151 Herbicides CAM V C	8330 Explosives CAM VIII A 🖂		TO-15 VOO CAM IX B	
6010 Metais CAM III A □	6020 Metals CAM III D 🔲	8082 PCB CAM V A 🗆	9014 Total Cyanide/PAC CAM VI A □	6860 Perchlorate CAM VIII B □			
Affirmative R	esponses to Que	estions A through	F are required for "P	resumptive Certainty	" status		
A	Were all sam Custody, p	ples received in a con properly preserved (in prepared/analy	dition consistent with the cluding temperature) in t zed within method holdir	ose described on the Cha the field or laboratory, and ng times?	in of i	⊠ Yes	□ No
В	Were the analytica	al method(s) and all a p	ssociated QC requiremerotocol(s) followed?	ents specified in the select	ted CAM	⊠Yes	□ No
С	Were all require CAM protocol(ed corrective actions a (s) implemented for al	nd analytical response a l identified performance	actions specified in the se standard non-conformand	lected ces?	⊠ Yes	□ No
D	Does the laborator Assurance and Q	y report comply with a uality Control Guidelir	all reporting requirement nes for the Acquisition ar	s specified in CAM VII A, ad Reporting of Analtyical	"Quality Date"?	⊠ Yes	□ No
E	VPH, EPH, APH a. VPH, EPH modification(s	, and APH Methods o	nly: Was each method o dual method(s) for a list	onducted without signification of signification	ant ns.)	⊠ Yes	□No
	b. APH and TO	-15 Methods only: Wa	as the complete analyte	list reported for each met	nod?	□ Yes	□ No
F	and evaluated in a	a laboratory narrative	(including all "No" respo	rd non-conformances ide	uah E) 🌡	⊠ Yes	□ No
	Were the report	and I below are re	equired for "Presump	otive Certainty" status specified in the selected (2414		
G			protocol(s)?			⊠ Yes	□ No
Data Use	<u>er Note:</u> Data that representativ	achieve "Presumptiv eness requirements	ve Certainty" status ma described in 310 CMR	ny not necessarily meet 40. 1056 (2) (k) and WS	the data	usablility a	nd
Н	Were all Q	performance standa	rds as specified in the C	AM protocol(s) achieved?	2-07-330	□ Yes	⊠ No¹
l	Were results rep	orted for the complete	analyte list specified in	the selected CAM protoco	ol(s)?	🗷 Yes	□ No ¹
	esponses must be	e addressed in an ai	tached laboratory nan	rative.		*	
hose responsib	de for obtaining the	ne pains and penalti- ne information, the r rate and complete.	es of perjury that, base naterial contained in th	ed upon my personal inc ris analytical report is, t	uiry of o the be	șt	
Signature:	Alcereit.	Muly	Positio	n: Laboratory Directo	r		
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

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:

PRINTED NAME: David Mick

POSITION: LAB DIRECTOR

DATE: 03/05/14

GeoLabs, Inc.

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

Reported Date: 05-Mar-14

CLIENT:

Compliance Environmental

Client Sample ID: MW-106

Lab Order:

1402167

Tag Number:

Project: Lab ID:

1402167-001A

Date Received: 2/24/2014

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

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

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method:	(eph_Wpr)	Prep	Date: 2/27/2	014 8:59:58 A	lM
Adjusted C11-C22 Aromatics	מא	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-Chlorocctadecane	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 Metho	Prep Method: (eph_Wpr)		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	В	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
ndeno(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-Diffuorobiphenyi	89.9	40-140	%REC	. 1	2/28/2014 5:10:00 PM
Surr: 2-Fluorobiphenyl	69.8	40-140	%REC	•	2/28/2014 5:10:00 PM

Qualiflers:

- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- 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
- Spike Recovery outside recovery limits

Reported Date: 05-Mar-14

CLIENT:

Compliance Environmental

Lab Order:

1402167

Client Sample ID: MW-106

Tag Number:

Project:

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

Lab ID:

1402167-001B

Date Received: 2/24/2014

Matrix: GROUNDWATER

				MAUR: GROUNDWATER		
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	
VPH - MADEP VPH					Analyst: ZC	
Prep Method:		Prej	p 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	μ g/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	NĐ	1.00	μg/L	1	2/26/2014 7:02;00 AM	
Adjusted C5-C8 Aliphatic Hydrocarbons	ИD	100	μg/L	1	2/26/2014 7:02:00 AM	
Adjusted C9-C12 Aliphatic Hydrocarbons	ND	100	µg/Ľ	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:

В 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

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

Lab Order: 1402167

Project: Lab ID:

CLIENT:

1402167-002A

Compliance Environmental

Client Sample ID: MW-VD

Tag Number:

Collection Date: 2/23/2014 12:40:00 PM Matrix: GROUNDWATER

Reported Date: 05-Mar-14

A T .		·		
Analyses	Result	RL Qual Units	DF	Data Analysis
		~~ Sam cuits	Dr	Date Analyzed

Date Received: 2/24/2014

EPH RANGES - MADEP EPH

Prep Method	: (eph_Wpr)	Pre	p Date:	2/27/2014 8:59:58 AM	
Adjusted C11-C22 Aromatics	ND	102	μg/L		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

Analyst: KG

Prep Me	thod:	(eph_Wpr)	Pre	p 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
ndeno(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
otal 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-Fluorobiphenyi		60.5	40-140	%REC	-	2/28/2014 5:49:00 PM

Qualifiers:

Analyte detected in the associated Method Blank В

E Value above quantitation range

Analyte detected below quantitation limits

RL Reporting Limit

BRL Below Reporting Limit

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

Reported Date: 05-Mar-14

CLIENT:

Compliance Environmental

Lab Order:

1402167

Client Sample ID: MW-VD

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 Q	ual Units	DF	Date Analyzed
VPH - MADEP VPH		•			Analyst: ZC
Prep Method:		Pre	Date:		
C9-C10 Aromatic Hydrocarbons	ND	100	μg/L		2/26/2014 7:42:00 AM
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND	100	hā\r	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 Allphatic 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:

Analyte detected in the associated Method Blank

Value above quantitation range E

Analyte detected below quantitation limits

RL Reporting Limit

В

BRL Below Reporting Limit

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Spike Recovery outside recovery limits

Reported Date: 05-Mar-14

CLIENT:

Compliance Environmental

Lab Order:

1402167

Client Sample ID: MW-108

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

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	ug/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

Pre	p Method:	(eph_Wpr)	Pre	p 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	μ g/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
Fluorana		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
ndeno(1,2,3-cd)Pyrene		ND	0.412	ug/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,l)Perylene		ND	1.03	μg/L	1	2/28/2014 6:27:00 PM
otal PAH Target Concentra	tion	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

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

Reported Date: 05-Mar-14

CLIENT:

Compliance Environmental

Lab Order:

1402167

Client Sample ID: MW-105

Tag Number:

Project:

1402

Collection Date: 2/23/2014 3:00:00 PM

Lab ID;

Analyses

1402167-004A

Date Received: 2/24/2014

Result

Matrix: GROUNDWATER

DF Date Analyzed

EPH RANGES - MADEP EPH

Analyst: KG

Prep Method;	(eph_Wpr)	Ргер	Date: 2/27/2	2014 8: 59:58 A	М
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	4 0-140	%REC	1	2/28/2014

RL Qual Units

EPH TARGET ANALYTES - MADEP EPH

Analyst: ZYZ

Prep Metho	od: (eph_Wpr)	Ртеј	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	ИD	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
ndeno(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-Difluoroblphenyl	85.6	40-140	%REC	1	2/28/2014 7:05:00 PM
Surr: 2-Fluorobiphenyl	65,6	40-140	%REC	•	2/28/2014 7:05:00 PM

Qualifiers:

B Analyte detected in the associated Method Blank

E Value above quantitation range

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

Reported Date: 05-Mar-14

CLIENT: Compliance Environmental Client Sample ID: MW-107

Lab Order: 1402167 Tag Number:

66.5

107

Project:

Collection Date: 2/23/2014 4:30:00 PM Lab ID: 1402167-005A Date Received: 2/24/2014 Matrix: GROUNDWATER

Analyses	Result	RL Q	ual Uni	ts DF	Date Analyzed
EPH RANGES - MADEP EPH					Analyst: K G
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	µo/L	•	2/28/2014

40-140

40-140

μg/L

%REC

%REC

EPH TARGET ANALYTES - MADEP EPH

Surr: 1-Chlorooctadecane

Surr: o-Terphenyl

Analyst: ZYZ

2/28/2014

2/28/2014

2/28/2014

1

Prep Method:	(eph_Wpr)	Pre	o 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
ndeno(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
otal 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-Fluorobiphenyi	60.4	40-140	%REC	•	2/28/2014 7:43:00 PM

Qualifiers: В Analyte detected in the associated Method Blank BRL Below Reporting Limit E

Value above quantitation range Holding times for preparation or analysis exceeded

Analyte detected below quantitation limits ND Not Detected at the Reporting Limit

Reporting Limit Spike Recovery outside recovery limits

ANALYTICAL QC SUMMARY REPORT

Compliance Environmental CLIENT:

1402167 Work Order:

Project:

TestCode: EPHP W

١

Date: 05-Mar-14

					į				ľ		
Sample ID: MB-23753	SampType: MBLK	TestCoc	TestCode: EPHP W	Units: µg/L		Pren Dai	Pren Date: 2/27/2014	11	Drinkle: 69		
Client ID: ZZZZZ	Batch ID: 23763	Testh	TestNo: MADEP EPH_ (aph_Wpr)	· (aph_Wpr)		Analysis Date: 2/28/2014	e: 2/28/20	: **	SeqNo: 603730	/34 3730	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val			Š
Naphthalene	QN	8					,			- 1	£40
2-Methylnaphthalene	2 5	5									
Acenaphthene	2	5 5 5									
Phenanthrene	2	8 9									
Acenaphthylene	Q.	8									
Fluorene	2	1.00									
Anthracene	QN	1.00									
Fluoranthene	Q	1.00									
Pyrene	2	8									
Benzo(a)Anthracene	Q	0.400									
Chrysene	2	1.00									
Benzo(b)Fluoranthene	9	0.200									
Benzo(k)Fluoranthene	S	0.200									
Benzo(a)Pyrene	2	0.190									
Indeno(1,2,3-cd)Pyrene	Q	0.400									
Dibenz(a,h)Anthracene	Q	0.400						•			
Benzo(g,h,i)Perylene	Q.	1.00									
Total PAH Target Concentration	Q	0.200									
Surr: 2,2-Difluorobiphenyi	20.40	0	25	c	ά α	ç	9				
Surr: 2-Fluorobipheny	15.77	O	18	0	63.1	} 4	5 2				
Sample ID: LCS-23763	SampType: LCS	TestCod	TestCode: EPHP W	Inits usit							
Client ID: ZZZZZ	Batch ID: 23753	Testiv	TestNo: MADEP EPH_ (eph_Wpr)	eph_Wpr)	-	Frep Date: 2/28/2014 Analysis Date: 2/28/2014	rrep Date: 2/28/2014 Ilysis Date: 2/28/2014	. 4	RunNo: 53734 SedNo: 603731	z z	
Analyte	Result	Pal	SPK value SPK Ref Val	PK Ref Val	9		4 - 1 - 1				

GeoLabs, Inc.

Spike Recovery outside recovery limits ND Not Detected at the Reporting Limit

S Spike Recovery outside recovery limit Value above quantitation range

11)

Analyte detected below quantitation limits

Reporting Limit

RL -

BRL Below Reporting Limit

Qualifiers:

Naphthalene

Qual S

%RPD RPDLimit

HighLimit RPD Ref Val

LowLimit

%REC 38.9

SPK value SPK Ref Val

ם 8.

Result 19.43

5

4

Holding times for preparation or analysis exceeded

RPD outside recovery limits

H R

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

Compliance Environmental CLIENT:

1402167 Work Order:

Project:

TestCode: EPHP_W

## Analysis Date: 2/28/2014 ## Analysis Date: 2/28/2014 54.6	Sample ID: LCS-23753	SampType: LCS	TestCc	TestCode; EPHP_W	Units: µg/L		Preo Date:	A10272014	7	Drawlo: £2734		
Recall Polity SPK Net Value SPK Net SPK Net Value SPK Net SPK Ne		Batch (D: 23753	Test	No: MADEP FD	H (enh Wer)		Ample Date		: 3	Series of	ţ	
Prop. Prop			3		u (chii avpr)		Analysis Date	2/28/20	4	SedNo: 60	3731	
pythologies 27.28 1.00 50 54.6 4.0 140 with 27.58 1.00 50 67.4 4.0 140 with 22.70 1.00 50 0 55.2 4.0 140 with 22.70 1.00 50 0 65.4 4.0 140 main 23.63 1.00 50 0 52.1 4.0 140 main 23.63 1.00 50 0 76.2 4.0 140 main 23.63 1.00 50 0 76.2 4.0 140 min 23.63 1.00 50 0 76.2 4.0 140 min 23.63 1.00 50 0 76.2 4.0 140 min 23.63 0 0 72.2 4.0 140 4.0 contraction 23.63 0 0 72.2 4.0 140 4.0 </th <th>Analyte</th> <th>Result</th> <th>PQL</th> <th>SPK value</th> <th>SPK Ref Val</th> <th>%REC</th> <th></th> <th>⊣ighLimit</th> <th>RPD Ref Val</th> <th>%RPD</th> <th></th> <th>Oua</th>	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC		⊣ighLimit	RPD Ref Val	%RPD		Oua
evene 27.58 1,00 50 55.2 40 140 vene 22.70 1,00 50 67.4 40 140 vene 22.70 1,00 50 67.4 40 140 e 38.15 1,00 50 67.4 40 140 e 38.15 1,00 50 60 52.1 40 140 nthracene 22.83 1,00 50 0 52.3 40 140 nthracene 38.15 1,00 50 0 52.3 40 140 nthracene 38.6 1,00 50 0 50.3 40 140 contactioner 38.45 1,00 50 0 60.3 40 140 3.40fprene 38.45 1,00 50 0 75.3 40 140 3.50fprene 38.45 1,00 50 0 75.3 40 140 3	2-Methylnaphthalene	27.29	1.00	ß	0	546	φ	140				
Samp	Acenaphthene	27.58	8	16	. С	100	\$ \$	} {				
Part	Phenanthrene	33,69	9.1	8	. 0	67.4	\$ 4	2 5				
Parameter Para	Acenaphthylene	22.70	1.00	ଜ		45.4	£ 4	3 5				
Strict S	Fluorene	29.55	1.99	S		5 6	\$ \$	<u> </u>				
1,00 50,0 76,3 40 14	Anthracene	31.03	1.00	200			3 5	3 5				
1,00 50,00	Fluoranthene	38.15	1.00	20	0	76.3	\$ 4	5 5				
140 140	Pyrane	29.93	9:	20	0	6.00	3 4	3 5				
31.62 1.00 50 65.2 40 14	Benzo(a)Anthracene	35.01	0.400	ß	•	70.07	3 4	3 5				
Maintaine 44,51 0.200 50 0 68.6 40 140	Chrysene	31.62	9:1	S	0	63.2	3 4	£ £				
Vyente 43.09 0.200 50 66.2 40 140 Yyente 36.46 0.190 50 0 72.9 40 140 Ac-Ca)Pyrane 36.46 0.190 50 0 72.9 40 140 Acthiftzace 37.65 0.400 50 0 77.3 40 140 Acthiftzace 38.45 1.00 50 0 77.3 40 140 Pleutythere 38.45 1.00 25 0 77.6 40 140 Fluttoroblyhenyl 17.50 0 77.6 40 140 140 Fluttoroblyhenyl 17.50 0 77.6 40 140 140 Fluttoroblyhenyl 17.50 0 77.6 40 140 50 10 Fluttoroblyhenyl 17.50 0 77.6 40 140 50 10 10 10 10 10 10 10 10 10	Senzo(b)Fluoranthene	44.81	0.200	20	0	80	ş	2 5				
years 36.46 0.190 50 0 72.9 40 100 35-Od/Pyrane 40.03 0.400 50 0 72.9 40 140 94-th/arocene 37-65 0.400 50 0 75.3 40 140 3-Coll/prode) 32-65 0.400 50 0 76.3 40 140 2-Diffuoroble my 17.50 0 25 0 76.3 40 140 2-Diffuoroble my 17.50 0 25 0 77.6 40 140 2-Diffuoroble my 17.50 0 25 0 77.6 40 140 2-Diffuoroble my 17.50 0 25 0 77.6 40 140 2-Diffuoroble my 17.50 1.00 25 0 77.1 Arabysis Date: 17.0 40 140 40 140 40 140 40 140 40 140 27.28 27.28 27.28 </td <td>3enzo(k)Fluoranthene</td> <td>43.09</td> <td>0.200</td> <td>8</td> <td>0</td> <td>86.2</td> <td>5 4</td> <td>2 5</td> <td></td> <td></td> <td></td> <td></td>	3enzo(k)Fluoranthene	43.09	0.200	8	0	86.2	5 4	2 5				
AcidyPyrene 40.03 0.460 50 0.0 0.0 140	3enzo(a)Pyrene	36,46	0.130	50		200	\$ \$	3 5				
Parylene 37.65 0.400 50 0 75.3 40 140	ndena(1,2,3-cd)Pyrene	40.03	0.400	S S S		. E	? \$	3 5				
Pecylene 38.45 1.00 50 0 76.9 40 140	Jibenz(a,h)Anthracene	37.65	0.400	25	· C	, F	\$ \$	3 5				
Paramotolipheny 22.52 0 25 0 90.1 40 1	Jenzo(g,h,i)Perylene	38.45	1.00	8		0.00	2 €	<u> </u>				
LCS2-23763 SampType: LCSD TestCode: EPHP_W Units: µg/L Prep Date 2/27/2014 RunNo: 53734 SeqNo: 603732 SeqNo:	Surr: 2,2-Difluorobiphenyl	22.52	0	32	, c	3 5	₽ €	2 5				
LCS2.23763 SampType: LCSD TestCode: EPHP W Units: Hg/L Prep Date: 2/27/2014 RunNo: 63734 Seque SPK Ref Val S	Surr: 2-Fluarobipheny	17.90	0	; 5 2	9 0	77.8	₹ ₹	3 5				
LCS2-23763 SampType: LCSD TestNo: MADEP EPH_(eph_Wpt) Analysis Date: 2/27/2014 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLImit RPD Ref Val RPD Ref Va							}	}			i	
Holding times Holding time	ample ID: LCS2-23763	SampType: LCSD	TestCo	de: EPHP_W	Units: µg/L		Prep Date:	ı	*	RunNo: 537	34	
Result PQL SPK Ref Val %REC LowLinit HighLimit RPD Ref Val %RPD RPDLimit RPD Ref Val RPD		Batch ID: 23753	Test	Vo: MADEP EPF	1_ (eph_Wpr)		Analysis Date:		*	SeqNo: 603;	732	
Part	naiyte	Result	Pal		SPK Ref Val	%REC			RPD Ref Vai	%RPD	RPDLimit	Qual
140 140	laphthalene	22.57	1.00	90	o	45.1	\$	54	19.43	45.0	ų,	
SRL Below Reporting Limit E Value above quantitation range ND Not Detected at the Reporting Limit R R R R R R R R R	-Wetnylnaphthalene	34,28	9,	99	o	62.6	4	40	27.28	5.6	3 1	
BRL Below Reporting Limit J Analyte detected below quantitation limits RL Reporting Limit RL Reporting RL Reporting Limit RL Reporting RL Reporting RL Reporting RL	cenaphthene	30.42	1:00	\$	0	80.8	4	6	27.58	0 20	3 4	
BRL Below Reporting Limit J. Analyte detected below quantitation limits ND Not Detected at the Reporting Limit R.L. Reporting Limit	renanthrene	36.83	00.1	S	0	73.7	4	4	33.69	8.91	8 8	
Analyte detected below quantitation limits ND Not Detected at the Reporting Limit Reporting Limit	BRL	porting Limit		1	ove quantitation rang	93			Miner times for a			
Reporting Limit		stected below quantitation limits		•	cted at the Reporting	Limit			Oranig united for p.	eparation of a ria	Jysis exceeded	
		Limit				1			ru duiside recove	ry lunds		

GeoLabs, Inc.

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

CLIENT: Compliance Environmental

Work Order: 1402167

Project:

TestCode: EPHP_W

Client ID: ZZZZZ	SampType: LCSD	800 800 800 800 800 800 800 800 800 800	Code: EPHP_W	Units: pg/L		Prep Dat	Preb Date: 2/27/2014	<u> </u>	RunNo: 53734	. 72.	
	Batch ID: 23763	Test	Vo: MADEP EF	TestNo: MADEP EPH_ (eph_Wpr)		Analysis Date:	e: 2/28/2014	: 3	SeqNo: 603732	3732	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LawLimit	High∐mlt	RPD Ref Val	%RPD	RPDLímit	Qua
Acenaphthylene	24.38	1.00	S	0	48.8	육	140	702	714	*	
Fluorene	31.30	1.00	ß	0	62.6	÷ \$	4	29.55	L1.7	3 %	
Anthracene	33.08	9.	ß	0	66.2	. 4	4.	8 8		₹ ₽	
Fluoranthene	40.46	1.00	<u>6</u>	0	80.9	8	4.	8. 5. 15.	7 8	Q #	
Pyrene	32.28	1.00	50	0	64.6	. 4	. 2	26.50	3.0G 7.5B	६ ह	
Benzo(a) Anthracene	36.48	0.400	20	Ö	73.0	4	. 6	35.01	20.7	3 K	
Chrysene	33.22	1.00	20	0	66.4	4	45	31.67	4 94	, 1	
Benzo(b)Fluoranthene	54.03	0.200	S	0	82	\$	4	4.81	187	3 16	
Benzo(k)Fluoranthene	44.64	0.200	50	0	89.3	8	4	43.09	3,53	3 12	
perizo(a)Pyrene	37.93	0.190	හි	0	75.9	\$	4	36.46	3.95	*	
Indeno(1, Z, 3-cd)Pyrene	40.57	0,400	S S	0	91.1	\$	5	40.03	134	3.	
Ulbenz(a,h)Anthracene	37.06	0.400	5	0	74.1	4	6	37.65	, (3 15	
Denzo(g,n,l)Peryiene	39.85	9.	20	0	7.6.2	4	5	38.45	3,58	1 52	
ourr. 2,2-Uilluoraaipnenyl	24.96	0	25	0	8.86	₹	5	0	0	· C	
Suff: 2-Filloropipheny	19.08	0	22	0	76.3	4	4	o	0	0	

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

S Spike Recovery outside recovery limit Vafue above quantitation range BRL Below Reporting Limit

J Analyte detected below quantitation limits Reporting Limit RL Qualifiers

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

Compliance Environmental CLIENT:

1402167 Work Order: Project:

TestCode: epht_w

Commit in ten opens											
Sample ID: MB-23763	SampType: mblk	TestCo	TestCode: epht_w	Units: µg/L		Prep Date:	te: 2/27/2014		RunNo: 53748	748	
Clent ID: ZZZZ	Batch ID: 23753	Test	TestNo: MADEP EPH	_		Analysis Date:			SeqNo: 603912	3912	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LawLimit	High Limit RPC	RPD Ref Val	%RPD	RPD(imit	<u>.</u>
Adjusted C11-C22 Aromatics	Q	9									3
C09-C18 Aliphatics	Q	\$									
C19-C36 Aliphatics	2	8									
Unadjusted C11-C22 Aromatics	S	9									
Surr: 1-Chlorooctadecane	74.99	0	9	0	75.0	S	6				
Surr. o-Terphenyl	99.43	0	100	0	99.4	\$ \$	5 5				
Sample ID: LCS-23753	SampType: Los	TestCoc	TestCode: epint_w	Units: µg/L		Prep Date:	e: 2/27/2014		RunNo: 63748	872	
Cilent ID: ZZZZZ	Batch ID: 23753	Test	Tesino: MADEP EPH	H (eph_Wpr)		Analysis Date;	e: 2/28/2014		SeqNo: 603913	3913	
Analyte	Resuft	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD	RPD Ref Val	%RPD	RPD! imit	Ç
C09-C18 Aliphatics	QN	190	ŝ	0	6.09	4	140			1	
C19-C36 Allphatics	105.8	90	100	۵	106	. 4	5 5				
Unadjusted C11-C22 Aromatics	2	00	5	0	74.9	3 4	. 1				
Surr: 1-Chlorocctadecane	87.30	0	8	0	87.3	\$ 4	. 6				
Suir: o-Terphenyl	103.6	0	100	0	104	4	140				
Sample ID: LCS2-23753	SampType: Lcsd	TestCod	TestCode: epht_w	Units: µg/L		Prep Date:	8: 2/27/2014		Punkle: £2740	700	
Client ID: ZZZZZ	Batch ID: 23763	TestN	TestNo: MADEP EPH	_		Analysis Date:			SeqNo: 603914	\$ 6 914	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LawLimit	HiahLimit RPD	RPD Ref Val	4600	#wi ICIOO	
C09-C18 Aliphatics	QN	95	100		9 19	Ş					Edal
C19-C36 Allphatics	114.5	5 5	6	oc	5.0 1.5	₹ €	5 5	60.87	0	KS	
Unadjusted C11-C22 Aromatics	Q	100	5	o c	2 2 2	} \$	÷ ;	TUS:8	7.93	19	
Surr: 1-Chlorooctadecane	84.97	0	9 5	, c	ט ע ס ע	₹ \$	5 5	(4.92	0	ĸ	
Surr: o-Terphenyi	96.19	0	5	. 0	36.2	\$ 8	3 2	-	0 0	0 (
						2	<u> </u>	•	o	5	
Qualifiers: BRL Below Reporting Limit	ng Limit		E Value	Value above quantitation range	1ge		H Holding	times for m	Holding times for menaration or analysis associated	frais accorded	
	Analyte detected below quantitation limits		_	Not Detected at the Reporting Limit	g Limit		R RPD out	RPD outside recovery limits	y limits	nannowa eref	
KL Reporting Limit			S Spike R	Spike Recovery outside recovery limits	very limits			•			

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7814 ~ 781 848 7811 GeoLabs, Inc.

Compliance Environmental CLIENT:

1402167 Work Order:

Project:

TestCode: VPH_W2

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										-	
Sample ID: MBLK	SampType: MBLK	TestCo	TestCode: VPH_W2	Units: µg/L		Prep Date:	ie.		RunNo: 53714	14	
Clent ID: ZZZZZ	Batch ID: R53714	Test	Testino: VPH			Analysis Date:	te: 2/26/2014	7	SeqNo: 603575	. 929	
Analyte	Result	PQL	SPK vatue	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	Q	8.									
2,2,4-Trimethy/pentane	2	9:									
2-Methylpentane	2	1.00									
n-Butylcyclohexane	2	9:									
n-Decane	2	1.00									
n-Nonane	2	9:									
n-Pentane	9	8									
C9-C10 Aromatic Hydrocarbons	Q	8									
Unadjusted C5-C8 Aliphatic Hydrocarbon		5									
Unadjusted C9-C12 Allphatic Hydrocarbo		100									
Methyl Tert-Butyl Ether		9.									
Benzene	P	1.00									
Toluene		8.									
Ethylbenzene	QN	9:									
m.p-Xylene	2	9:									
o-Xylene	2	8.									
Naphthalene	Q	8.									
Adjusted C5-C8 Aliphatic Hydrocarbons		90									
Adjusted C9-C12 Aliphatic Hydrocarbons		5									
Surr: 2,5-Dibromotoluene FID	87.96	0	100	0	88.0	2	13				
Surr: 2,5-Dibromotoluene PID	88.78	0	9	0	88.8	2 8	£ 8				
Sample ID: LCS Sz	SampType: LCS	TestCoc	estCode: VPH_W2	Units: µg/L		Prep Date	.6		Punko: 52744		
Cifent ID: ZZZZZ	Batch (D: R63714	Testh	TestNo: VPH	1	•	Analysis Date: 2/26/2014	e: 2/26/20	*	SecNo: 603573	<u> </u>	
Analyte	Result	Pol	SPK value	SPK Ref Val	% 2007 2007 2007 2007 2007 2007 2007 200	LowLimit	HighLimit	RPD Ref Val	4.00 PD	#wi lOda	į
1,2,4-Trimethylberzene	80.47	1.00	100	0.27	80.2	2	130				B 25
į											
Vutantiers: BKL Below Reporting Limit J Analyte detected below RL Reporting Limit	Betow Reporting Limit Analyte detected below quantitation limits Reporting Limit		E Value a ND Not Del	Value above quantitation range Not Detected at the Reporting Limit	ge Limit		H M	Holding times for preparation or analysis exceeded RPD outside recovery limits	eparation or ana ry limits	lysis exceeded	
				Spike Kecovery outside recovery limits	ery limits						

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

Compliance Environmental 1402167 Work Order: CLIENT:

Project:

TestCode: VPH_W2

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Sample ID: LCS	SampType: LCS	TestCo	TestCode: VPH W2	Units: ua/L		Pren Date:			District 50		
Client ID: 27777	Detail ID: Desites	H		l h		משכת אבי ו			ALYSO OVIEW	*	
	Daton ID: Kos/14	88	lestNo: VPH			Analysis Date: 2/26/2014	2/26/201	4	SeqNo: 603573	3573	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	S. E. S.
2,2,4-Trimethylpentane	75.33	1.8	160	0.1	75.2	5,	130				
2-Methylpentane	93.79	8.	100	0	838	2 8	3 5				
n-Butylcyclohexane	97.41	6.5	5	0.0264	97.4	2 2	8 6				
п-Decane	99.91	1.00	100	0.02203	66	2 2	6.00				
n-Nonane	109.4	1.00	100	0.002728	100	: 8					
n-Pentane	114.8	9.	, 0	C	165	02	130				
C9-C10 Aromatic Hydrocarbons	2	5	8	0	84.2	2 8	<u> </u>				
Unadjusted C5-C8 Aliphatic Hydrocarbon	on 293.0	8	300	0	2.76	2 8	<u> </u>				
Unadjusted C9-C12 Aliphatic Hydrocarbo	to 223.5	5	300	0	745	2 6	3 6				
Methyl Tert-Butyl Ether	94.27	1.00	100	0	9	2 6	3 5				
Benzene	83.07	1.90	100	0.14	82.9	2 8	5 5				
Toluene	83.93	1.00	9	0.2	83.7	? ?	5				
Ethylbenzene	88.71	1.00	001	0.3	88.4	2 8	3 6				
m,p-Xylene	158.1	1.00	200	0.22	78.9	2 2	3 5				
o-Xylene	92,10	9.1	100	0.22	<u>6</u>	! 2	130				
Naphthalene	86.53	9.	5	0	86.5	2 2	130				
Surr: 2,5-Dibromotoluene FID	89.60	0	9	0	89.6	2 2	130				
Surr: 2,5-Dibromotoluene PID	84,06	0	100	0	84.1	2 2	8				
Sample ID: LCSD Sa	SampType: LCSD	TestCoo	TestCode: VPH_W2	Units: µg/L		Prep Date:			RunNo. 53744	14	
Client ID: ZZZZZ 8	Batch ID: R53714	TestN	TestNo: VPH		7	Analysis Date: 2/26/2014	2/26/2014	_	Sealor 603574	. <u> </u>	

Qual œ α Holding times for preparation or analysis exceeded **BBBB RPDLimit** SeqNo: 603574 %RPD 2.30 28.7 5.65 27.0 RPD outside recovery limits 75.33 93.79 97.41 RPD Ref Val HighLimit 8 8 8 8 8 8 8 **≖** ≈ LowLimit 2223 %REC 82.1 100 88.6 128 Not Detected at the Reporting Limit Value above quantitation range SPK value SPK Ref Val 9 **8 8 8 8** g w 6; 1 6; 1 8; 1 8; 1 8; 1 ם Analyte detected below quantitation limits 100.5 Result 82.34 88.64 127.8 BRL Below Reporting Limit Reporting Limit 1,2,4-Trimethylbenzene 2,2,4-Trimethylpentane J n-Butylcyclohexane 2-Methylpentane Qualifiers: Analyte

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

Spike Recovery outside recovery limits

CLIENT: Compliance Environmental

Work Order: 1402167

Project:

TestCode: VPH_W2

Sample ID: LCSD Sa	SampType: LCSD	TestCo	tCode: VPH_W2	Units: µg/L		Prep Date:			RunNo: 53714	714	
Client ID: ZZZZZ E	Batch ID: R53714	Test	estNo: VPH			Analysis Date: 2/28/2014	e: 2/28/20	14	SeqNo: 603574	3574	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Decane	148.5	1.00	5	0.02203	148	2	130	99.91	39.1	180	8
n-Nonane	129.4	1.00	180	0.002728	123	8	130	109.4	16.7	1 83	
n-Pentane	106.0	1.00	100	0	901	2	130	114.8	79.7	1 12	
C9-C10 Aromatic Hydrocarbons	N	9	5	o	84.2	2	93	84.18	0.0475	1 149	
Unadjusted C5-C8 Aliphatic Hydrocarbon	on 300.5	6	300	0	5	22	8	293	2.54	1 12	
Unadjusted C9-C12 Aliphatic Hydrocarbo	316.0	100	300	0	105	70	130	223.5	34.3	1 1 /3	œ
Methyl Tert-Butyl Ether	95,85	1.00	100	0	95.8	92	130	94.27	1.66	. 123	!
Benzene	81.81	1.00	5	0.14	81.7	2	130	83.07	1.53	1 193	
Toluene	82.17	1.00	5	0.2	82.0	2	130	83.93	2.12	K	
Ethylbenzene	80.81	1.00	100	0.3	80.5	2	130	88.71	9.32	. 50	
m,p-Xyfene	159.3	1.00	200	0.22	79.5	2	130	158.1	0.756	. 193	
о-Хујепе	85,61	1.00	100	0.22	85.4	70	130	92.1	7.30	1 42	
Naphthalene	110.8	1.00	100	O	111	2	9	86.53	24.6	. 163	
Surr: 2,5-Dibromotoluene FID	88.36	0	160	O	88.4	2	130	0	0	•	
Surr. 2,5-Dibromotoluene PID	86.33	0	\$	0	86.3	2	8	0	, 0	, c	

Holding times for preparation or analysis exceeded RPD outside recovery limits HW ND Not Detected at the Reporting Limit
Spike Recovery outside recovery limits Value above quantitation range щ Analyte detected below quantitation limits BRL Below Reporting Limit Reporting Limit R. Qualiffers:

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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:

 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	MCP			
PARAMETER	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	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	MCP			
PARAMETER	STANDARDS (1) (2)			
	ĺ		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
C40 C20 Alimberia		-		
C19-C36 Aliphatic Hydrocarbons				
	NA	50,000	251	350
EPH Target Analytes (4)				
Naphthalene	1,000	20,000	16.3	ND (3)
2 - Methylnaphthalene	2,000	20,000	26.3	1.48
_ monymaphenatore		1 ,		
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	TOT PHC PHC (1)	S- ROUS	ORTHO- PHOSPHATE (1) In mg/L	NH3 (1) AMMONIA as N in mg/L	HPC (1) HETERO- TROPHIC PLATE COUNT In CFU/ml	SURFAC- TANTS (1) (MBAS) in mg/L	NO3 (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	0.21	2	ND	0.070	7700	0.070	1.93	440	12.10	6.83
MW-107	0.67	5	ND	0.080	1100	ND	2.65	200	11.90	6.65

- 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	MCP		
PARAMETER	STANDARD	S (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)

- 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	MCP			
PARAMETER	STANDA	STANDARDS (1) (2)		
	GW-2	GW-3	MW-VD (2)	MW-107 (2)
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

- 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	MCP							
PARAMETER	STANDA	RDS (1) (2)						
				! 				
		,	MW-101 (3)	MW 103	MW-103	MW-104	MW-106	MW-VD
	GW-2	GW-3	19194-101 (3)	14144-102	1414A-102	19194-104		
C9-C10 Aromatic								
Hydrocarbons	7.000	50,000	859	110	287	ND	ND	ND
riyarocarbons	.,000	00,000	555	110	207		IND	
C5-C8 Aliphatic								
Hydrocarbons	3,000	50,000	742	ND (5)	ND	ND	ND	ND
C9-C12 Aliphatic								
C3-C12 Allphatic								
Hydrocarbons	5,000	50,000	764	392	358	ND	ND	ND
MTBE (4)	50,000	50,000	ND	ND	ND	ND	ND	ND
D	0.000	40.000	115					
Benzene	2,000	10,000	ND	ND	ND	ND	ND	ND
Toluene	50,000	40,000	1.76	ND	ND	ND	ND	ND
loluerie	00,000	40,000	1.70	ND	ווט	ואָט	טא	מאו
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
			ļ .				ĺ	
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

- 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	MCP						
PARAMETER	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)				<u></u>			
Naphthalene	1,000	20,000	4.06	ND	1.84	ND	ND
2 - Methylnaphthalene	2,000	20,000	ND	ND	ND	ND	ND
Acenaphthene	NA NA	6,000	ND	ND	ND	ND	ND
Phenanthrene	NA 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

- 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



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC 108

Release	Tı	racking Number	
4		11961	

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

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 o	lisposal site that is the source of th	e release is Tier Classified. Check the cu	rrent Tier Classification Category:
🗔 a. Tier I	√ b. Tier ID	C c. Tier II	
B. THIS FORM IS BE	EING USED TO: (check all that a	apply)	
1. Submit a Phase I	Completion Statement, pursuant to	310 CMR 40.0484.	
2. Submit a Revised	Phase I Completion Statement, pu	ursuant to 310 CMR 40.0484.	
☐ 3. Submit a Phase II	Scope of Work, pursuant to 310 C	MR 40.0834.	
4. Submit an interim	Phase II Report. This report does	s not satisfy the response action deadline	e requirements in 310 CMR
5. Submit a final Pha	se II Report and Completion State	ement, pursuant to 310 CMR 40.0836.	
6. Submit a Revised	Phase II Report and Completion S	statement, pursuant to 310 CMR 40.0836.	
7. Submit a Phase III	l Remedial Action Plan and Comp	eletion Statement, pursuant to 310 CMR 4	0,0862,
8. Submit a Revised	Phase III Remedial Action Plan ar	nd Completion Statement, pursuant to 310	CMR 40.0862.
9. Submit a Phase IV	Remedy Implementation Plan, pu	arsuant to 310 CMR 40.0874.	
10. Submit a Modifie	d Phase IV Remedy Implementati	on Plan, pursuant to 310 CMR 40.0874.	
11. Submit an As-Bu	ilt Construction Report, pursuant	to 310 CMR 40.0875.	
12. Submit a Phase Γ	V Status Report, pursuant to 310 C	CMR 40.0877.	
13. Submit a Phase Γ	V Completion Statement, pursuant	to 310 CMR 40.0878 and 40.0879.	
Specify the outco	me of Phase IV activities: (check of	one)	
a. Phase V Oper or Temporary S		of the Comprehensive Remedial Action	is necessary to achieve a Permanent
b. The requirem will be submitted	ents of a Permanent Solution have d to DEP.	been met. A completed Permanent Solution	ion Statement and Report (BWSC104)
c. The requirement will be submitted		been met. A completed Temporary Solut	tion Statement and Report (BWSC104)



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC 108

Releas	se Ti	racking Numbe
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COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

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 iii. 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 iii. 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 iii. Remedy Operation Status iv. Temporary Solution					



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC 108

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COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

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 II, Phase III, Phase IIV 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 anAs-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 (mm/dd/yyyy)		ç). LSP Stamp:	orwealth of Massacy



5. Street:



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC 108

Releas	e Trackin	g Number
4	- 1196	1

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

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** 12 WIDOWS COVE LANE б. Title: MANAGER 7. City/Town: WAREHAM 9. ZIP Code; 8. State: MA 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 Specify: NON-SPECIFIED PRP e. Other RP or 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(i)) 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 Г 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 Γ 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 Γ 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 Г 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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G. CERTIFICATI 1. I. MICHAEL FITZER

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC 108

Releas			Number
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COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

G. CERT	IFICATION OF PERSON UNDERTAKING	G RESPON	SE ACTION	S:
		nder the pains and penalties of perjury (i) that I have personally		
form, (ii) the contained in this attesta am/is awar	hat, based on my inquiry of those individuals im in this submittal is, to the best of my knowledge tion on behalf of the entity legally responsible t	n this submi mediately re and belief, t for this subn	ttal, including sponsible for rue, accurate nittal. I/the pe	any and all documents accompanying this transmittal obtaining the information, the material information and complete, and (iii) that I am fully authorized to make rson or entity on whose behalf this submittal is made e fines and imprisonment, for willfully submitting false,
that I am fu receive ora	ally authorized to act on behalf of all persons pe	rforming res	ponse actions	OS), I attest under the pains and penalties of perjury under the ROS as stated in 310 CMR 40.0893(5)(d) to e of response actions under the ROS, and to receive a
performing	nd that any material received by the Primary Reg s response actions under the ROS, and I am awa conment, for willfully submitting false, inaccurate	re that there	are significan	t penalties, including, but not limited to, possible fines
2. By:	MICHAEL FITZERGERALD		3. Title:	MANAGER
	Signature			
4. For:	FINBAR LLC		5. Date:	3/19/2014
	(Name of person or entity recorded in Sec	ction D)		(mm/dd/yyyy)
7. Street;	ck here if the address of the person providing ce		different fron	address recorded in Section D.
8. City/Tow	yn:	9. State:		10. ZIP Code:
11. Telepho	one: 12. Ext.:		13. Email:	
)MPLETI	E. IF YOU	FIONS OF THIS FORM OR DEP MAY SUBMIT AN INCOMPLETE FORM, REQUIRED DEADLINE.
Date Sta	mp (DEP USE ONLY:)			
_	Received by DEP on			

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