

**Phase IV Completion Statement and Remedy Operation
Status Submittal**

Walpole Park South

Walpole, Massachusetts

Release Tracking Number 4-3021915

Submitted to:

Massachusetts Department of Environmental Protection

July 28, 2009



TETRA TECH RIZZO

Corporate Headquarters

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Framingham, MA 01701-9005

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TETRA TECH RIZZO

July 28, 2009

Massachusetts Department of Environmental Protection
Southeast Regional Office
Bureau of Waste Site Cleanup
20 Riverside Drive
Lakeville, MA 02347

**Re: Phase IV Completion Statement and Remedy Operation Status Submittal
Walpole Park South
Walpole, Massachusetts
Release Tracking Numbers 4-3021915**

Dear Sir/Madam:

On behalf of Walpole Park South, Rizzo Associates, Inc. has prepared this Phase IV Completion Statement and Remedy Operation Status Submittal for Release Tracking Number 4-3021915 pursuant to 310 CMR 40.0878 through 40.0892. The information presented herein is based on the Phase IV Remedy Implementation Plan dated August 1, 2007. This report is subject to the Statement of Limitations and Conditions in Appendix A. The original Massachusetts Department of Environmental Protection BWSC-108 transmittal form is attached to this report, and a copy of the form is in Appendix E.

Please contact us if you have any questions regarding this submittal.

Very truly yours,

Raymond C. Johnson, P.G., L.S.P.
Senior Vice President

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1.0 Introduction

This Phase IV Completion Statement and Remedy Operation Status (ROS) Submittal for Release Tracking Number (RTN) 4-3021915 is being submitted to the Massachusetts Department of Environmental Protection (DEP) pursuant to the Massachusetts Contingency Plan (MCP) 310 CMR 40.0878 through 40.0892. The purpose of the Phase IV Completion Statement is to document that the Comprehensive Response Action has been implemented in accordance with the approach presented in the Phase IV – Remedy Implementation Plan (Phase IV report), and to document monitoring performed since submission of the Phase IV report.

The Phase IV report indicated that Monitored Natural Attenuation (MNA) and continued groundwater monitoring was the remedial approach selected for the referenced Site to characterize groundwater conditions at and near the upgradient property boundary, for purposes of evaluating whether a portion or all of the metals or volatile organic compounds (VOCs) detected in on-site monitoring wells originate from off-site source(s) and/or if they are naturally occurring, and to continue to evaluate the sporadic and intermittent detection of these compounds on the Site. Three new monitoring wells, to be located at or near the upgradient property line to Walpole Park South, were proposed in the Phase IV report. The new wells and selected on-site wells were to be sampled on a regular basis and analyzed for VOCs and metals. The Phase IV report indicated that based on the analysis results and field observations modifications to the sampling frequency, number of wells, analytical methods, and/or wells sampled may be made. Well installation was completed in December 2007 and groundwater samples were collected from the new wells and selected previously installed wells in December 2007, April/May 2008, November 2008 and June 2009.

The Site was designated as a Public Involvement Plan (PIP) site after receipt of a petition signed by sixteen residents of the Town of Walpole, initially submitted to the Department of Environmental Protection (DEP), and subsequently forwarded by the DEP to Walpole Park South. A Draft PIP was presented during a public meeting held at Walpole Town Hall on February 16, 2005. Based on comments raised during that meeting and the public comment period, a final PIP was issued on April 6, 2005. Opportunities for public input will continue in accordance with the provisions of the PIP.

1.1 Site Description

The Site encompasses approximately 54 acres of land, located at the intersection of US Route 1 and Pine Street in Walpole, Massachusetts, as shown on Figure 1. The Site is divided into eight lots, seven of which contain buildings occupied by office and warehouse space that are leased to commercial and/or light industrial businesses. The current configuration of the Site and the configuration of the individual building lots are depicted on Figure 2. An access road, Walpole Park South Drive, crosses the Site from Route 1 along the southeast boundary of Walpole Park South, to Pine Street on the southwest boundary of the property. The buildings, driveways and parking areas cover the majority of the Site. The remainder of the property consists of

landscaped areas adjacent to the buildings, wooded land and unpaved open areas. Prior to construction of the existing buildings the Site was vacant land, portions of which were reportedly used as a gravel pit. Development of the Site and building construction commenced in 1986.

The property is abutted to the north by vacant wooded land, to the west by single-family residences, to the south by Pine Street, across which are commercial properties including a truck repair and painting facility, and to the east by Route 1, across which are commercial and industrial properties.

1.2 Responsibility for Conducting the Response Actions

The party implementing the response action is Walpole Park South. The contact information for Walpole Park South is as follows:

Mr. Donnell Murphy, Trustee
Walpole Park South
Post Office Box 123
Walpole, MA 02081-2552
508-668-1200

Walpole Park South has retained a Licensed Site Professional (LSP) to manage and oversee development and implementation of the PIP, and response actions performed to address the requirements of the MCP:

Mr. Raymond C. Johnson, P.G., L.S.P.
Rizzo Associates, Inc.
1 Grant Street
Framingham, MA 01701-9005
508-903-2356

2.0 Summary of Phase II, Phase III and Phase IV Reports

Phase II and Phase III reports were submitted for the Site in July 2006, and a Phase IV report submitted in August 2007, as summarized in the following sections.

2.1 Phase II Report

The purpose of the Phase II investigation was to obtain data to characterize the nature and extent of releases of oil and/or hazardous materials (OHM) at the Site, quantify the risks posed by such releases, and assess the need to conduct further remedial actions at the Site. The information presented in the Phase II Comprehensive Site Assessment report is summarized below.

- Monitoring wells were initially installed at the Site in December 1986 to comply with requirements issued by the Walpole Board of Health (BOH) as a part of the approval to develop the property.
- Annual groundwater sampling was performed during the period from 1987 to 2003 as required by the BOH, and samples of surface water and/or sediment in eight storm water catch basins located in the southwest portion of the Site, upgradient from monitoring well MW-6, were also collected.
- In September 2000 two additional monitoring wells, designated MW-8 and MW-9, were installed in the southwest portion of the Site. Sampling of the catch basins and the installation and sampling of MW-8 and MW-9 were implemented as part of investigations relating to the detection of chloroform and bromodichloromethane in groundwater samples collected from MW-6 in 1999 and 2000.
- In April 2002 it was noted that the lead concentrations reported by the laboratory for groundwater samples collected from monitoring wells MW-3 and MW-6 were 0.059 milligrams per liter (mg/l) and 0.023 mg/l, respectively; concentrations which exceeded the then applicable MCP reportable concentration of 0.020 mg/l for groundwater classified as RCGW-1. To further evaluate this condition confirmatory groundwater sampling was performed in May 2002. The results of this sampling indicated lead concentrations in samples collected from MW-3 and MW-6 of 0.046 mg/l and 0.018 mg/l, respectively. Based on these sampling results it was concluded that the detected lead concentrations represented a 120-day notification condition under the MCP. Therefore, a RNF was prepared and received by the DEP on July 2, 2002. In response to the notification, DEP issued a Notice of Responsibility (NOR) on August 15, 2002 and assigned RTN 3-21915 to the reported release.
- Based on further review of the historic groundwater monitoring results, it was determined that additional compounds detected at concentrations exceeding then applicable RCGW-1 reportable concentrations had not been previously reported to DEP. These compounds included methylene chloride, total chromium, arsenic, tetrachloroethene (PCE), cadmium, and antimony. Of these compounds, only lead and antimony were detected in samples collected after October 1993, the effective date of the MCP revisions which established specific reportable concentrations for oil and hazardous materials. Methylene chloride is a commonly used laboratory solvent and was only detected once at a concentration exceeding its reportable concentration, in a sample collected from MW-4 in March 1987. PCE was only detected once at a level exceeding its reportable concentration, in the sample collected from MW-1 in March 1988. Cadmium was detected above its reportable concentration once, in the sample collected in March 1991 from MW-5D. Total chromium was detected at levels exceeding its reportable concentration three times, all samples collected from MW-3, most recently in March 1991. Arsenic has been identified in samples from MW-1, MW-3 and MW-5D, but has not been reported at levels exceeding the current RCGW-1 standard since March 1988.

- In January 2004, seven additional monitoring wells were installed by GHC (GHC-1 to GHC-7) to further characterize soil and groundwater conditions and to evaluate whether a source of the compounds detected in groundwater could be identified. Groundwater samples were collected from both new and existing wells in February and April 2004.
- In general, the annual groundwater sampling has shown that the presence of elevated levels of these compounds is sporadic and intermittent, as the detected compounds have not been present in all sampled monitoring wells, and compounds detected in specific wells have not been present in all of the samples collected from those wells. The results of the testing do not indicate a plume of impacted groundwater that can be clearly delineated, nor do they identify the source or sources of the detected compounds. The data do not suggest a correlation between the groundwater conditions at the Site and the activities of the tenants in the Site buildings.
- In an internal memorandum dated July 9, 2004, the DEP Drinking Water Program (DWP) found that “the groundwater contamination levels at the site are all low, compared to most waste sites,” and “heavy metals have fairly low mobility in groundwater.” DEP concluded “the site does not appear to pose a threat to the Walpole municipal wells, because of the low groundwater contamination levels and the distance from the site to the wells.”
- To further characterize soil and groundwater conditions at the Site, and to better evaluate the source, nature and extent of impacts to soil and groundwater, a Phase II – Comprehensive Site Assessment was implemented by Rizzo Associates. The Phase II Investigation included the installation of 7 soil borings and completion of 3 of the soil borings as groundwater monitoring wells; sampling and analysis of soil and groundwater from select soil borings and monitoring wells; surveying to determine the locations and relative elevations of each newly installed monitoring well casing; gauging of groundwater elevations to evaluate the groundwater flow direction and prepare a potentiometric surface map; and hydraulic conductivity testing of three groundwater monitoring wells.
- For the 7 soil samples submitted for laboratory analysis as a part of the Phase II investigation, no VOCs or metals were reported at concentrations above the applicable MCP method 1 standards except for a reported beryllium concentration of 0.87 mg/kg in the RIZ-2 soil boring which exceeds the Method 1 S-1/GW-1, GW-2 and GW-3 standards of 0.7 mg/kg and the Method 1 S-2/GW-1, GW-2 and GW-3 standards of 0.8 mg/kg. Naturally occurring beryllium is often found in Massachusetts at concentrations similar to that found at RIZ-2. Based on the fact that this soil sample was collected from undisturbed native soil at a depth of 15 to 17 feet below the ground surface, and soil conditions elsewhere on the Site, it is believed that the beryllium is naturally occurring and not related to a release on the Site.

- For the 36 groundwater samples that were submitted for laboratory analysis over three sampling rounds performed as a part of this Phase II investigation, VOCs and/or dissolved metals concentrations greater than one or more of the applicable MCP Method 1 standards were reported in 9 wells. Compounds exceeding the MCP Method 1 standards included bromodichloromethane, chloroform, and lead; however, the detections of these compounds are distributed around the Site, and do not indicate a specific on-site source or sources, or a plume that can be readily delineated. The reported concentrations of dissolved metals have been inconsistent over the three sampling events, a pattern that is consistent with that observed previously at the Site. Lead was identified at a concentration greater than the method detection limit in well MW-9 in only one of the four Phase II groundwater sampling events.
- Chloroform and/or bromodichloromethane were detected in three monitoring wells located on the southeast portion of the Site, near and downgradient from US Route 1. Although these compounds were previously detected on the Site they were identified in a monitoring well on the northwest property boundary, and were attributed to releases of disinfection by-products from a swimming pool on the abutting property. They have not been detected previously in wells near the southeast property boundary, and based on the well locations and direction of groundwater flow they do not appear to be related to on-site releases. Rather, they may be related to releases of chlorinated water in this area or to the use of roadway deicing compounds. Water Quality Reports for 2004 and 2005 issued by the Walpole Sewer & Water Department indicated that bromodichloromethane and chloroform are detected in samples collected from the municipal water system and state that these compounds are a “by-product of drinking water disinfection.” This is a typical occurrence in this area of Massachusetts.
- Since concentrations of several compounds in groundwater exceed the MCP Method 1 GW-1 and GW-3 standards, and the Site is located within a Zone II for a public water supply, the risk characterization concluded that a condition of No Significant Risk to human health and the environment has not been achieved at this Site for groundwater.
- The only reported exceedence of a reportable concentration for soil is the beryllium detected in one sample collected in February 2006. Although exceeding the applicable Method 1 standard, this is likely a naturally occurring background condition.
- Based on the results of the risk characterization, further Comprehensive Response Actions are necessary to attempt to achieve a Temporary Solution or a condition of No Significant Risk and a Permanent Solution at the Site.

2.2 Phase III Report

The Phase III evaluation included a review of alternative methods for treatment of groundwater to evaluate whether there are one or more financially and technically feasible remedial alternatives that could be implemented to reduce risk at the Site to a level where a Permanent

Solution can be achieved, and the selection of an alternative for implementation. For the evaluation of remedial alternatives feasible technologies were considered based on their ability to address the conditions identified to date on the Site.

An initial screening evaluated nine remedial alternatives based on their ability to target these contaminant characteristics and the subsurface conditions at the Site. Alternatives evaluated during the initial screening included groundwater pump-and-treat, in-situ chemical oxidation, permeable reactive barriers, bioremediation/bio-barrier, electrical resistance heating, surfactant flushing, air sparging and vapor extraction, soil excavation and disposal/treatment, and MNA. Of these alternatives, groundwater pump-and-treat and MNA were selected for detailed evaluation.

The detailed evaluation compared the two remedial alternatives noted above in greater detail, based on the following criteria: effectiveness, reliability, difficulty, costs, risks, benefits and time for implementation. Based on the detailed evaluation MNA was selected as the remedy for the Site. At the time the Phase III was submitted it was anticipated that while the Phase IV was not due until July 26, 2007, MNA monitoring would commence in September or October 2006.

However, because of unwillingness on the part of the Town of Walpole to cooperate with the responsible party relative to the installation of additional monitoring wells needed to implement the MNA, installation of the additional monitoring wells and commencement of the MNA sampling program was delayed until December 2007.

2.3 Phase IV – Remedy Implementation Plan

Based on the results of the Phase III, the Phase IV report indicated that MNA would be implemented at the Site to further characterize groundwater conditions over time. The Phase IV report also noted that although MNA has been identified as the appropriate remedial action for the Site, it may be determined that implementation of one or more other technologies should be considered as additional data on groundwater conditions is developed. In that case, feasible remedial alternatives would be evaluated and a determination made of whether the approach should be modified or changed. If changes to the remedial program were determined to be applicable, supplemental Phase III and Phase IV reports would be prepared to discuss the selection (Phase III) and design (Phase IV) of the remedy or remedies. The selection of MNA as the remedial approach facilitates the evaluation of groundwater conditions at a reasonable cost, and allows for ongoing characterization of changes over time. This approach is appropriate given the sporadic and intermittent detection of metals or VOCs at concentrations exceeding applicable MCP standards, and the absence of an identifiable source(s) of the detected compounds. The proposed design for MNA included the installation of additional monitoring wells upgradient from the Site, and the collection of groundwater samples from the new wells and selected existing on-site monitoring wells.

3.0 Existing Site Conditions

In general, the investigations performed to date have evaluated the physical characteristics of the Site and identified the presence of metals in soil and groundwater, and several VOCs in groundwater. The metals are compounds that can be naturally occurring and are widely found in common products used on properties near the Site. The VOCs are primarily trihalomethanes, compounds that are disinfection by-products formed by a reaction between organic material in soil or groundwater and chlorinating or brominating compounds used for disinfection, including disinfection of drinking water. Available information also documents formation of these compounds in areas where roadway deicing chemicals are used. Below is a summary of the physical characteristics and environmental fate and transport characteristics that were considered while evaluating potential alternatives for remediation of the identified VOC contamination.

3.1 Physical Characteristics

Soil borings advanced at the Site prior to Phase IV activities identified primarily medium to coarse sand and gravel with occasional layers of fine sand overlying bedrock at the Site. The depth to bedrock ranges from approximately 13 feet below the ground surface (bgs) in the southwest portion of the Site, to greater than 40 feet bgs on the northern and eastern portions of the Site.

The depth to groundwater at the Site has been measured at depths ranging from 5 to 18 feet below the ground surface. The direction of groundwater flow in overburden at the Site is generally to the east and northeast, toward School Meadow Brook.

3.2 Environmental Fate and Transport

The metals that have been detected in groundwater at the Site, although they exceed the applicable MCP Method 1GW-1 standards, are present at relatively low concentrations and generally have limited mobility in groundwater. This fact is substantiated by the comments made by DEP in July 2004 as previously discussed in this document. The VOCs identified at the Site are more mobile than metals in the subsurface due to their solubility and volatility, but are expected to rapidly attenuate over a relatively short distance. Movement of dissolved phase VOCs is influenced by advective flow, although factors such as adsorption and dispersion can result in retardation such that VOCs migrate at a slower rate than the ambient groundwater velocity. Dense non-aqueous phase liquids (DNAPL) have not been observed at the Site, and the relatively low concentrations and specific compounds detected make the likelihood that DNAPL is present extremely low. Further, since these compounds are usually generated as disinfection by-products, or by reactions associated with roadway deicing compounds, they are by nature only present in the dissolved phase.

Based on the extensive subsurface testing completed to date, it does not appear that there is a specific on-site source of the identified compounds, nor is there a clearly definable plume.

4.0 Phase IV Completion Statement

Installation of the three additional monitoring wells, near the upgradient (southwest) property line for Walpole Park South, was completed in December 2007. Wells were installed at two locations on Walpole Park South property, adjacent to Pine Street, and at one location on MHD property within the “jug handle” intersection of Route 1 southbound and Pine Street. The drilling locations were accessed using an all-terrain vehicle mounted hollow stem auger drilling rig, equipped with the capability to drill into bedrock, since the locations on Walpole Park South property were not accessible to conventional truck-mounted drilling equipment. Details of the well installation and groundwater sampling are summarized in the following sections.

4.1 Soil Borings and Monitoring Well Installation

GeoSearch, Inc. (GeoSearch) advanced four soil borings, designated RIZ-8, RIZ-8S, RIZ-9, and RIZ-10, at the Site on December 5 and 6, 2007 under the supervision of a Tetra Tech Rizzo field engineer. Borings RIZ-8 and RIZ-8S were installed south of Building 25, offset north from Pine Street on the Site property. RIZ-9 was installed just south of Building 24 on the Site property. Boring RIZ-10 was installed in the grassy area on the northwest side of the intersection of Pine Street and Route 1, on Massachusetts Highway Department property. The boring locations are shown on Figure 2.

The borings were advanced through overburden using track-mounted hollow stem auger drilling equipment, and two borings were continued into bedrock using a compressed air-driven rotary hammer. Soil samples were collected at five foot intervals during overburden drilling at each location using a 24-inch long stainless steel split spoon. Soil samples were field screened for the presence of headspace VOCs using a photoionization detector (PID) equipped with a 10.2-eV lamp. Positive PID headspace screening results were observed during advancement of boring RIZ-8, and the highest reading observed was 12.4 parts per million by volume (ppmv) at a depth of approximately 9-11 feet below the ground surface (bgs). No positive headspace screening results were observed for soil samples collected during the advancement of borings RIZ-9 or RIZ-10.

Groundwater and bedrock were encountered in RIZ-8 at depths of approximately 24 feet and 27 feet below grade surface (bgs), respectively. Soils collected in the split spoon during advancement of RIZ-8 consisted of fine to coarse sand and gravel. Based on the limited saturated thickness at this location and a desire to evaluate groundwater conditions in bedrock, boring advancement was continued after reaching refusal by drilling with the air hammer for an additional 50 feet, and a monitoring well was installed at that depth to monitor groundwater conditions in bedrock. A second boring, RIZ-8S, was advanced adjacent to RIZ-8 to a depth of 24 feet bgs without encountering groundwater or bedrock. However, a monitoring well was installed within the boring so that groundwater samples could be collected in the event that seasonal fluctuations in the elevation of the water table provided a sufficient saturated thickness for sampling. Groundwater and bedrock were encountered in RIZ-9 at depths of approximately 14 feet and 16 feet bgs, respectively. The overburden material encountered during the

advancement of this boring consisted of coarse sand and gravel with some silt. After reaching refusal, the boring was continued 16 feet into bedrock using the air hammer, to a depth of approximately 35 feet bgs, and a monitoring well was installed at that depth. Bedrock was not encountered during the advancement of RIZ-10, and groundwater was observed at a depth of 39 feet bgs. The overburden in boring RIZ-10 consisted of fine to coarse sand and gravel. Drilling methods for this boring alternated between augers and the rotary air hammer due to rocky overburden and a boulder. The boring was continued to a depth of 46 feet bgs, and a monitoring well was installed at that depth.

Monitoring wells RIZ-8, RIZ-8S, RIZ-9 and RIZ-10, were constructed using 2-inch-diameter 0.010-inch machine slotted Schedule 40 polyvinyl chloride (PVC) screen and solid PVC riser. The annular space around the well screen was filled with filter sand extending above the top of the well screen, followed by a 2-3 foot bentonite plug to form a seal to minimize the potential for vertical migration of groundwater within the borehole. Each well was completed with a flush mounted road box. Soil boring logs/monitoring well diagrams are included as Appendix C.

As noted above, soil samples collected during the boring advancement were logged in the field and screened with a PID. Based on field observations and the PID screening results, three soil samples, RIZ-8 from 9 to 11 feet, RIZ-9 from 9 to 11 feet and RIZ-10 from 44 to 46 feet, were submitted to Alpha Woods Hole Labs (Alpha) of Westborough, Massachusetts for analysis for MCP-14 metals and low level volatile organic compounds (VOCs).

4.2 Groundwater Sample Collection – December 2007

Tetra Tech Rizzo personnel gauged and purged the four newly installed monitoring wells (RIZ-8, RIZ-8S, RIZ-9 and RIZ-10) on December 13, 2007. The depth to water was measured relative to the PVC riser in each well using an electronic interface probe. No evidence of separate phase petroleum or odors was noted during the gauging of the monitoring wells. The depth to groundwater measured in the monitoring wells ranged from 12 feet bgs in RIZ-9 to 24 feet bgs in RIZ-8. Groundwater was not encountered in monitoring well RIZ-8S.

Prior to the collection of the samples each of the new wells was developed by purging with a peristaltic pump to remove a minimum of three well volumes or until the well was evacuated to dryness. Monitoring well RIZ-10 was noted to have approximately 8 feet of water upon initial gauging. During purging, this well was evacuated to dryness and was noted to have a very slow recharge rate. Because of the slow rate of recharge in RIZ-10 groundwater samples were collected approximately one week after purging, on December 19 - 20, 2007. Groundwater samples were collected from all of the new monitoring wells with the exception of RIZ-8S, which was found to be dry at the time of sampling. In accordance with the approach discussed in the Phase IV report, groundwater samples were collected at the same time from existing wells GHC-6, MW-9, RIZ-3 and MW-3. The groundwater samples were submitted for laboratory analysis for dissolved MCP 14 Metals and VOCs by Method 8260.

4.3 Groundwater Analysis Results – December 2007

The laboratory analysis results for the groundwater samples collected in December 2007 indicated the presence of methyl tert-butyl ether (MTBE) in the samples from RIZ-10 (1.2 micrograms per liter ($\mu\text{g/l}$)), MW-3 (1.7 $\mu\text{g/l}$) and MW-9 (5.1 $\mu\text{g/l}$). These concentrations are well below the applicable RCGW-1 reportable concentration and GW-1 standard (70 $\mu\text{g/l}$) applicable to the area of the Site. No other VOCs were reported at concentrations exceeding the laboratory detection limits.

Barium was detected in all the samples at concentrations ranging from 0.007 milligrams per liter (mg/l) to 0.508 mg/l, well below the RCGW-1 reportable concentration and MCP Method 1 GW-1 standard of 2 mg/l. In addition, nickel was detected in the samples from RIZ-8 (0.0048 mg/l) and RIZ-10 (0.0079mg/l), and zinc was detected in the samples from RIZ-10 (0.0216 mg/l) and MW-9 (0.0259 mg/l). These concentrations are below the applicable reportable concentrations and MCP Method 1 standards for these compounds. No other metals were reported at concentrations exceeding the laboratory detection limits. The laboratory certificates of analysis are in Appendix C.

4.4 Groundwater Sample Collection – April/May 2008

Groundwater samples were collected in April 2008 from monitoring wells RIZ-8, RIZ-8S, RIZ-9, RIZ-10, GHC-6, MW-2 and MW-3, and submitted for laboratory analysis for MCP 14 Metals and VOCs by EPA Method 524.2. Samples were collected from monitoring wells RIZ-3 and MW-9 in May 2008 and submitted for the same analyses. Method 524.2 was used for VOC analysis since the samples were collected concurrent with annual sampling required by the Walpole Board of Health (BOH), and the agreement between Walpole Park South and the Walpole BOH requires that VOC analysis be performed using the applicable drinking water method.

4.5 Groundwater Analysis Results – April/May 2008

The laboratory analysis results for the groundwater samples collected in April and May 2008 indicated toluene was detected in the sample from RIZ-10 at a concentration of 0.073 $\mu\text{g/l}$; chloroform was detected in the samples from MW-2 and MW-9 at concentrations of 2.2 $\mu\text{g/l}$ and 0.71 $\mu\text{g/l}$, respectively; and methyl tert-butyl ether (MBTE) was detected in the sample from MW-9 at a concentration of 7.9 $\mu\text{g/l}$. These concentrations are below the applicable RCGW-1 reportable concentrations and GW-1 standards applicable to the area of the Site. No other VOCs were reported at concentrations exceeding the laboratory detection limits.

No metals were detected in the groundwater samples with the exception of barium, which was detected in all the samples at concentrations ranging from 0.010 mg/l to 0.62 mg/l, well below the RCGW-1 reportable concentration and MCP Method 1 GW-1 standard of 2 mg/l. No other

metals were reported at concentrations exceeding the laboratory detection limits. The laboratory certificates of analysis are in Appendix C.

4.6 Groundwater Sample Collection – November 2008

Groundwater samples were collected in November 2008 from monitoring wells RIZ-3, RIZ-8, RIZ-9, RIZ-10, GHC-6, MW-2, MW-3 and MW-9, and submitted for laboratory analysis for MCP 14 Metals and VOCs by Method 8260. Because of an elevated thallium concentration reported for the sample from RIZ-10, and since thallium had not been previously detected at elevated concentrations at the Site, RIZ-10 was re-sampled in early December 2008 to evaluate whether the original thallium result was representative of conditions in the area of RIZ-10.

4.7 Groundwater Analysis Results – November 2008

The laboratory analysis results for the groundwater samples collected in November 2008 did not report detectable levels of VOCs with the exception of chloroform and MTBE, detected in the sample from MW-9 at concentrations of 2.2 µg/l and 2.7 µg/l, respectively. These concentrations are below the applicable RCGW-1 reportable concentrations and GW-1 standards applicable to the area of the Site. No other VOCs were reported at concentrations exceeding the laboratory detection limits.

Barium was detected in all the groundwater samples at concentrations ranging from 0.0114 mg/l (MW-3) to 0.129 mg/l (MW-2). Zinc was also detected in all samples at concentrations ranging from 0.020 mg/l (RIZ-9) to 0.0363 mg/l (RIZ-10). The detected concentrations of barium and zinc are well below the applicable RCGW-1 reportable concentrations of 2 mg/l and 0.90 mg/l, respectively.

As noted above, thallium was reported for the sample collected in November 2008 from RIZ-10, at a concentration of 0.0116 mg/l, exceeding the RCGW-1 reportable concentration of 0.002 mg/l. Since thallium had not been recently detected at the Site, it was believed that the positive result for thallium could be related to sampling or analytical error, and the well was re-sampled on December 11, 2008. Analysis of the second sample did not detect thallium, confirming that the original result was not representative of groundwater conditions in the area of RIZ-10. No other metals were reported at concentrations exceeding the laboratory detection limits. The laboratory certificates of analysis are in Appendix C.

4.8 Groundwater Sample Collection – June 2009

Groundwater samples were collected in June 2009 from monitoring wells RIZ-3, RIZ-8, RIZ-8S, RIZ-9, RIZ-10, GHC-6, MW-2, MW-3 and MW-9, and submitted for laboratory analysis for MCP 14 Metals and VOCs by EPA Method 524.2. Method 524.2 was used for VOC analysis since the samples were collected concurrent with annual sampling required by the Walpole

Board of Health (BOH), and the agreement between Walpole Park South and the Walpole BOH requires that VOC analysis be performed using the applicable drinking water method.

4.9 Groundwater Analysis Results – June 2009

The laboratory analysis results for the groundwater samples collected in June 2009 did not report detectable levels of VOCs with the exception of toluene detected in the sample from RIZ-8S at a concentration of 0.71 µg/l, and chloroform detected in MW-2 and MW-9 at concentrations of 1.0 µg/l and 0.75 µg/l, respectively. These concentrations are below the applicable RCGW-1 reportable concentrations and GW-1 standards applicable to the area of the Site. No other VOCs were reported at concentrations exceeding the laboratory detection limits.

No metals were detected in the groundwater samples with the exception of barium, which was detected in all the samples at concentrations ranging from 0.013 mg/l to 0.148 mg/l, well below the RCGW-1 reportable concentration and MCP Method 1 GW-1 standard of 2 mg/l. No other metals were reported at concentrations exceeding the laboratory detection limits. The laboratory certificates of analysis are in Appendix C.

4.10 Phase IV Completion

As noted in the preceding sections, the additional monitoring wells discussed in the Phase IV report were installed in December 2007, and four rounds of groundwater sampling have been performed since that time. Based on previous sampling results for the Site, the requirements for a Class A or Class C RAO have not been met and ongoing monitoring will be performed to further characterize groundwater conditions over time. Groundwater samples will be collected at approximately six month intervals, and the samples analyzed for VOCs and metals. Based on the analysis results and field observations, modifications to the sampling frequency, number of wells, analytical methods, and/or wells sampled may be made. Sampling results and changes to the sampling plan, if applicable, will be documented in Phase V status reports.

Further progress toward an RAO will be evaluated based on the results of future sampling events, including whether the total set of groundwater monitoring data for the Site indicates that concentrations of lead and VOCs decrease over time and/or the average concentration at each exposure point (e.g., each monitoring well) is below the applicable GW-1 standard(s). Phase V status reports will be submitted to DEP at six-month intervals to document and discuss the results of future sampling.

5.0 Remedy Operation Status Opinion

Remedy Operation Status applies to sites in Phase V where a Comprehensive Remedial Action that relies upon Active Operation and Maintenance, either an Active Remedial Monitoring Program or Active Remedial System, is being conducted for the purpose of achieving a

Permanent Solution. The Performance Standard for Remedy Operation status is defined in 310 CMR 40.0893 (2) and is summarized below:

- Phase III and Phase IV Comprehensive Response Action shall be completed;
- The remedial system or program shall be adequately designed to achieve a Permanent Solution;
- The remedial system or program shall be operated and maintained in accordance with the MCP;
- Each source of oil and/or hazardous material shall be eliminated or controlled;
- Any Substantial Hazards shall be eliminated; and,
- At a minimum, information and data on operation and maintenance or monitoring shall be documented and submitted to the Department in Status and Remedial Monitoring Reports every 6 months.

It is our opinion that the above Performance Standard for Remedy Operation Status has been achieved and Remedy Operation Status is applicable for the Site provided that the requirements of the Performance Standard are maintained.

6.0 Phase V Implementation

6.1 Implementation Schedule

It is anticipated that the next round of groundwater sampling will take place in November or December 2009, with samples collected at approximately 6 month intervals thereafter. Phase V status reports will be submitted at least every six months.

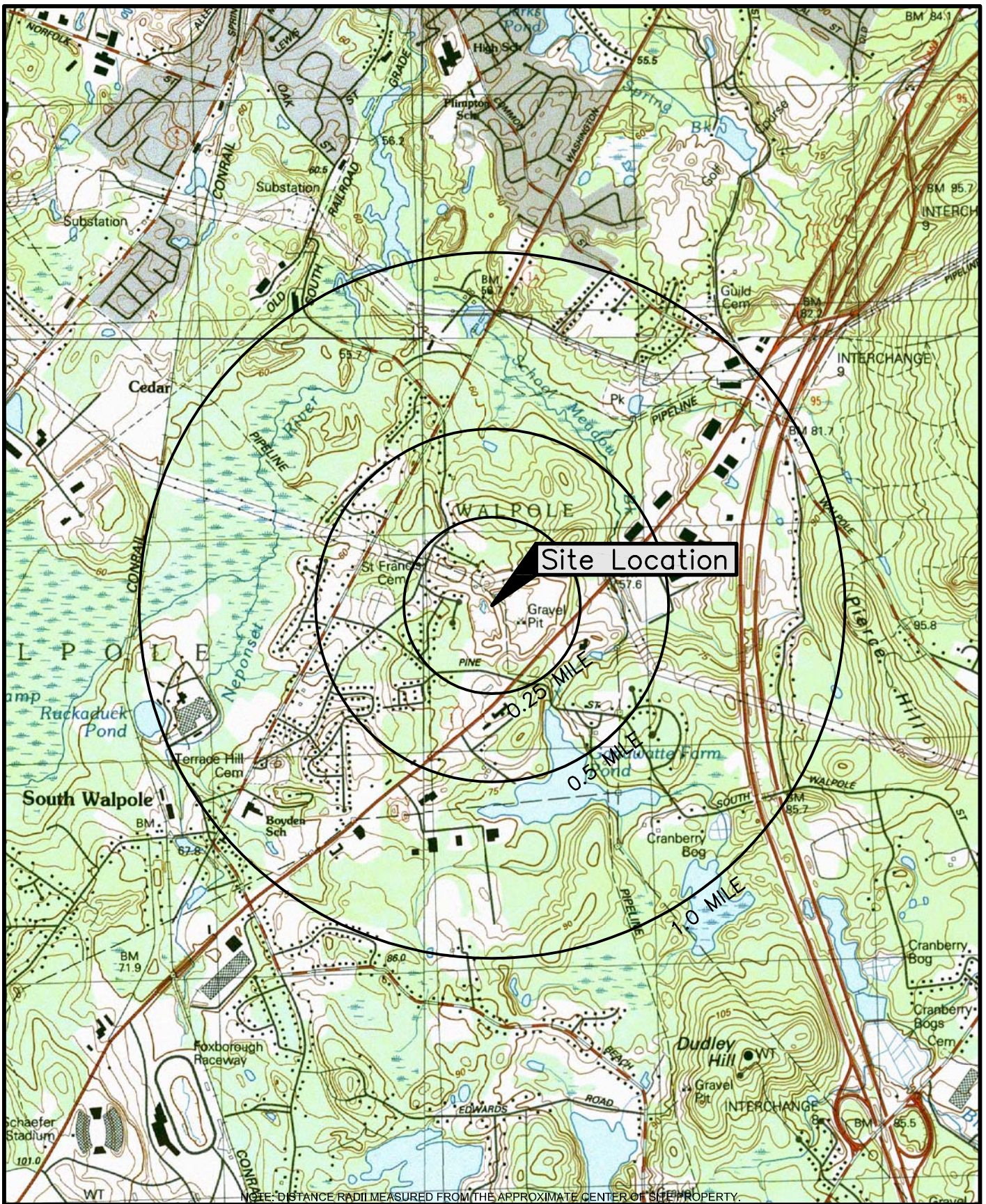
6.2 Permits and Approvals

A permit was issued by the Massachusetts Highway Department for installation of a monitoring well near the intersection of Route 1 south and Pine Street. No other permits or approvals are required to implement the work described herein.

7.0 Public Notifications

Pursuant to the requirements of the MCP, notices of the submission of this Phase IV Completion Statement have been sent to the Walpole Board of Health and Chief Municipal Officer. Copies of the public notification letters are included in Appendix D. A copy of the Phase IV Completion

Statement has also been submitted to the Public Information Repository at the Walpole Public Library. A copy of the Phase IV Transmittal Form (BWSC-108) is included as Appendix E.



Project No. 12700058

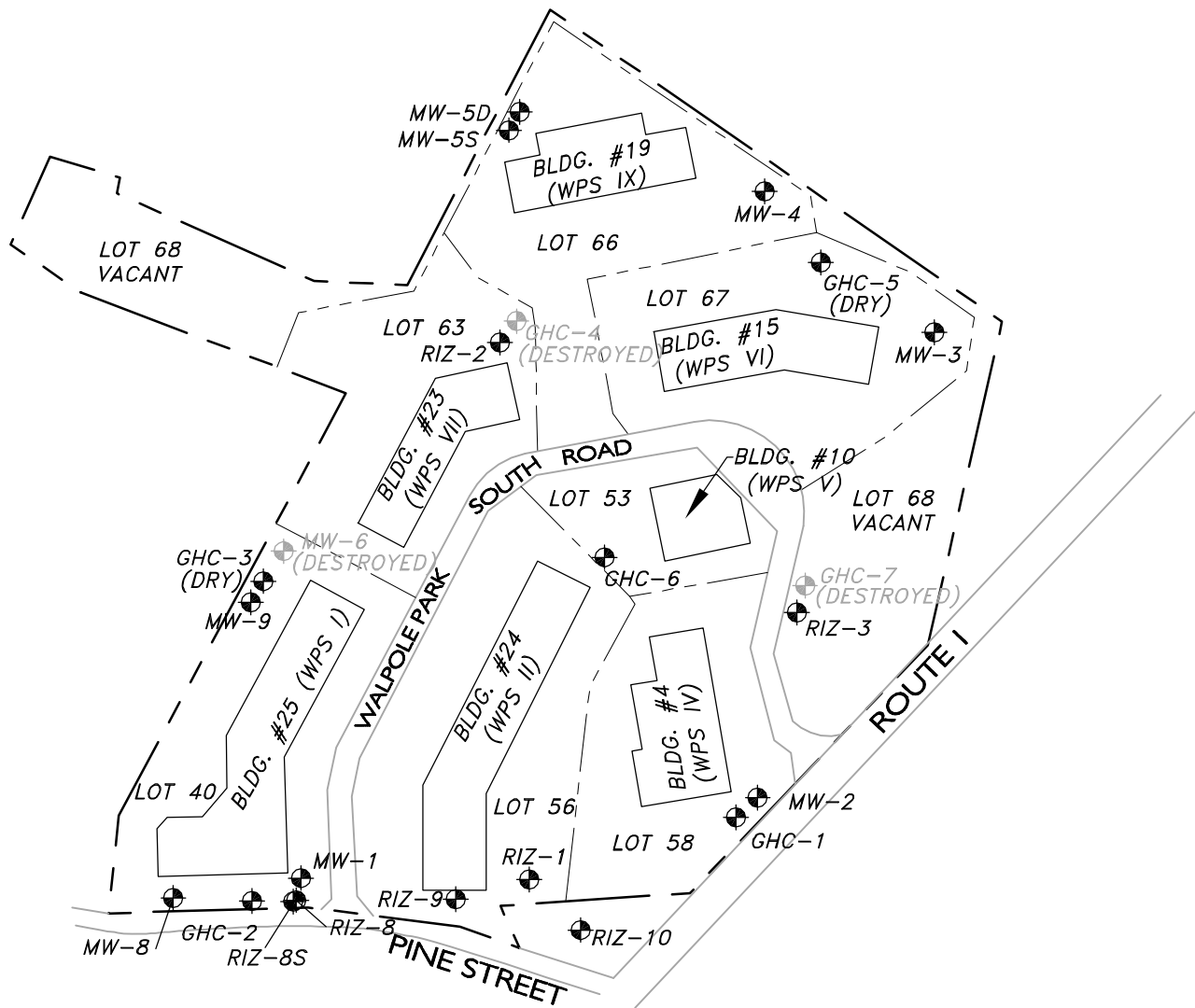
**RIZZO
ASSOCIATES**
A TETRA TECH COMPANY

Information obtained from
USGS Map of Mansfield, Massachusetts
Quadrangle dated 1987 and
USGS Map of Norwood, Massachusetts
Quadrangle dated 1982-1985

Walpole Park South
Walpole, Massachusetts

Site Locus Plan

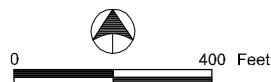
Figure
1



LEGEND

- EXISTING MONITORING WELL LOCATION
- (DEST) DESTROYED OR UN-LOCATABLE MONITORING WELL
- (DRY) INSUFFICIENT WATER FOR SAMPLE COLLECTION
- SITE BOUNDARY RTN 3-21915
- LOT BOUNDARIES

12700058P-ESP02



Site Plan by
GeoHydroCycle, Inc.
Dated 5/14/04

Walpole Park South
Walpole, Massachusetts

Site Plan with
Monitoring Well
Locations

Figure
2

Table 1 Groundwater Analytical Data (µg/L)												
Location:	RIZ-8	RIZ-8	RIZ-8	RIZ-8	RIZ-8S	RIZ-8S	RIZ-9	RIZ-9	RIZ-9	RIZ-9	RIZ-10	RIZ-10
Sample Name:	RIZ-8	RIZ-8-042808	RIZ-8-GW	RIZ-8	RIZ-8S-042808	RIZ-8S	RIZ-9	RIZ-9-042808	Riz-9-GW	RIZ-9	RIZ-10	RIZ-10-042808
Laboratory:	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA
Laboratory I.D.:	L0718979-01	L0806023-04	SA87371-02	L0907670-02	L0806023-05	L0907670-03	L0718979-03	L0806023-02	SA87371-06	L0907670-08	L0718979-02	L0806023-01
Sample Date:	19-Dec-07	28-Apr-08	11-Nov-08	10-Jun-09	28-Apr-08	10-Jun-09	19-Dec-07	28-Apr-08	11-Nov-08	10-Jun-09	19-Dec-07	28-Apr-08
Consultant:	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR
Chloroform	<0.75	<0.50	<1.0	<0.50	<0.50	<0.50	<0.75	<0.50	<1.0	<0.50	<0.75	<0.50
Methyl tert butyl ether	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	1.2	<0.50
Toluene	<0.75	<0.50	<1.0	<0.50	<0.50	0.71	<0.75	<0.50	<1.0	<0.50	<0.75	0.73
Barium, Dissolved	50.8	25.0	27.6	26	54.0	51	15.3	21.0	14.8	15	95.8	62.0
Lead, Dissolved	<2.0	<10.0	<7.5	<10	<10.0	<10	<2.0	<10.0	<7.5	<10	<2.0	<10.0
Nickel, Dissolved	4.8	<25.0	<5.0	<25	<25.0	<25	<2.0	<25.0	<5.0	<25	7.9	<25.0
Thallium, Dissolved	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0
Zinc, Dissolved	<20.0	<50.0	26.4	<50	<50.0	<50	<20.0	<50.0	20.0	<50	21.6	<50.0

Note: < or ND indicates compound not detected above Laboratory method detection limit
Bold Indicates exceedance of MCP Method 1 standard

Table 1 Groundwater Analytical Data (µg/L)												
Location:	RIZ-10	RIZ-10	RIZ-10	GHC-6	GHC-6	GHC-6	GHC-6	MW-9	MW-9	MW-9	MW-9	RIZ-3
Sample Name:	RIZ-10-GW	RIZ-10	RIZ-10	GHC-6	GHC-6-042808	GHC-6-GW	GHC-6	MW-9	MW-9-051408	MW-9-GW	MW-9	RIZ-3
Laboratory:	Spectrum	Alpha	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA
Laboratory I.D.:	SA87371-01	L0818397-01	L0907670-01	L0718979-04	L0806023-06	SA87371-08	L0907670-05	L0718979-05	L0806993-02	SA87371-04	L0907670-04	L0718979-06
Sample Date:	11-Nov-08	11-Dec-08	10-Jun-09	19-Dec-07	28-Apr-08	11-Nov-08	10-Jun-09	19-Dec-07	14-May-08	11-Nov-08	10-Jun-09	19-Dec-07
Consultant:	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR
Chloroform	<1.0		<0.50	<0.75	<0.50	<1.0	<0.50	<0.75	0.71	2.2	0.75	<0.75
Methyl tert butyl ether	<1.0		<0.50	<1.0	<0.50	<1.0	<0.50	5.1	7.9	2.7	<0.50	<1.0
Toluene	<1.0		<0.50	<0.75	<0.50	<1.0	<0.50	<0.75	<0.50	<1.0	<0.50	<0.75
Barium, Dissolved	88.4		148	45.9	59.0	36.8	66	7.0	13.0	18.6	29	25.6
Lead, Dissolved	<7.5		<10	<2.0	<10.0	<7.5	<10	<2.0	<10.0	<7.5	<10	<2.0
Nickel, Dissolved	<5.0		<25	<2.0	<25.0	<5.0	<25	<2.0		<5.0	<25	<2.0
Thallium, Dissolved	11.6	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0		<5.0	<2.0	<2.0
Zinc, Dissolved	36.3		<50	<20.0	<50.0	21.6	<50	25.9		34.7	<50	<20.0

Note: < or ND indicates compound not detected above Laboratory method detection limit
Bold Indicates exceedance of MCP Method 1 standard

Table 1 Groundwater Analytical Data (µg/L)								
Location:	RIZ-3	RIZ-3	RIZ-3	MW-3	MW-3	MW-3	MW-3	MW-2
Sample Name:	RIZ-3-051408	RIZ-3-GW	RIZ-3	MW-3	MW-3-042808	MW-3-GW	MW-3	MW-2-042808
Laboratory:	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA
Laboratory I.D.:	L0806993-01	SA87371-03	L0907670-06	L0718979-07	L0806023-03	SA87371-07	L0908197-01	L0806023-07
Sample Date:	14-May-08	11-Nov-08	10-Jun-09	19-Dec-07	28-Apr-08	11-Nov-08	8-Jun-09	28-Apr-08
Consultant:	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR
Chloroform	<0.50	<1.0	<0.50	<0.75	<0.50	<1.0	<0.50	2.20
Methyl tert butyl ether	<0.50	<1.0	<0.50	1.7	<0.50	<1.0	<0.50	<0.50
Toluene	<0.50	<1.0	<0.50	<0.75	<0.50	<1.0	<0.50	<0.50
Barium, Dissolved	44.0	86.2	13	15.2	10.0	11.4	21	31.00
Lead, Dissolved	<10.0	<7.5	<10	<2.0	<10.0	8.8	<10	<10.0
Nickel, Dissolved		<5.0	<25	<2.0	<25.0	<5.0	<25	<25.0
Thallium, Dissolved		<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0
Zinc, Dissolved		21.0	<50	<20.0	<50.0	34.5	<50	<50.0

Note: < or ND indicates compound not detected above Laboratory method detection limit
Bold Indicates exceedance of MCP Method 1 standard

Table 1	Groundwater Analytical Data (µg/L)		Groundwater Summary Statistics (µg/L)									
Location:	MW-2	MW-2										
Sample Name:	MW-2-GW	MW-2										
Laboratory:	Spectrum	ALPHA	Number	Number	Minimum	Maximum	Average	90th Percentile	2007	2007	2007	2007
Laboratory I.D.:	SA87371-05	L0907670-07	of Times	of Times	Concentration	Concentration	Concentration	Concentration	Method 1	Method 1	Method 1	RCGW-1
Sample Date:	11-Nov-08	10-Jun-09	Detected	Sought	Detected	Detected	Detected	Detected	Standard	Standard	Standard	Standard
Consultant:	TTR	TTR							GW-1	GW-2	GW-3	µg/L
Chloroform	<1.0	1.0	5	33	0.71	2.20	0.50	0.74	70	50	20,000	50
Methyl tert butyl ether	<1.0	<0.50	5	33	1.20	7.90	0.86	1.60	70	50,000	50,000	70
Toluene	<1.0	<0.50	2	33	0.71	0.73	0.37	0.50	1,000	50,000	40,000	1,000
Barium, Dissolved	129	70	33	33	7.00	148	43	88	2,000	NA	50,000	2,000
Lead, Dissolved	<7.5	<10	1	33	8.80	8.8	4.0	5.0	15	NA	10	10
Nickel, Dissolved	<5.0	<25	2	31	4.80	7.9	7.7	13	100	NA	200	100
Thallium, Dissolved	<5.0	<2.0	1	32	11.6	11.6	1.7	2.5	2	NA	3000	2
Zinc, Dissolved	28.0	<50	10	31	20.00	36.3	23	28	5,000	NA	900	900

Note: < or ND indicates compound not detected above Laboratory method detection limit
Bold Indicates exceedance of MCP Method 1 standard

Appendix A

Statement of Limitations and Conditions

Attachment A: Limitations


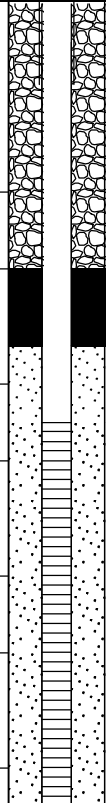



1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the CLIENT. The work described in this report was carried out in accordance with the Terms and Conditions in our contract.
2. In preparing this report, ENGINEER has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to ENGINEER at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, ENGINEER did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.
3. Observations were made of the Site and of structures on the Site as indicated within the report. Where access to portions of the Site or to structures on the Site was unavailable or limited, ENGINEER renders no opinion as to the presence of hazardous materials or oil, or to the presence of indirect evidence relating to hazardous material or oil, in that portion of the Site or structure. In addition, ENGINEER renders no opinion as to the presence of hazardous material or oil, or the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.
4. ENGINEER did not perform testing or analyses to determine the presence or concentration of asbestos at the Site or in the environment at the Site.
5. It is ENGINEER's understanding that the purpose of this report is to assess the physical characteristics of the subject Site with respect to the presence on the Site of hazardous material or oil. This stated purpose has been a significant factor in determining the scope and level of services provided for in the Agreement. Should the purpose for which the Report is to be used or the proposed use of the site(s) change, this Report is no longer valid and use of this Report by CLIENT or others without ENGINEER's review and written authorization shall be at the user's sole risk. Should ENGINEER be required to review the Report after its date of submission, ENGINEER shall be entitled to additional compensation at then existing rates or such other terms as agreed between ENGINEER and the CLIENT.
6. The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
7. Any water level readings made in test pits, borings, and/or observation wells were made at the times and under the conditions stated on the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

8. Except as noted within the text of the report, no quantitative laboratory testing was performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory, ENGINEER has relied upon the data provided and has not conducted an independent evaluation of the reliability of these data.
9. The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. As indicated within the report, some of these data may be preliminary screening level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.
10. Chemical analyses have been performed for specific constituents during the course of this site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the Site.
11. This Report was prepared for the exclusive use of the CLIENT. No other party is entitled to rely on the conclusions, observations, specifications, or data contained therein without the express written consent of ENGINEER.
12. The observations and conclusions described in this Report are based solely on the Scope of Services provided pursuant to the Agreement. ENGINEER has not performed any additional observations, investigations, studies, or testing not specifically stated therein. ENGINEER shall not be liable for the existence of any condition, the discovery of which required the performance of services not authorized under the Agreement.
13. The passage of time may result in significant changes in technology, economic conditions, or site variations that would render the Report inaccurate. Accordingly, neither the CLIENT, nor any other party, shall rely on the information or conclusions contained in this Report after six months from its date of submission without the express written consent of ENGINEER. Reliance on the Report after such period of time shall be at the user's sole risk. Should ENGINEER be required to review the Report after six months from its date of submission, ENGINEER shall be entitled to additional compensation at then existing rates or such other terms as may be agreed upon between ENGINEER and the CLIENT.
14. ENGINEER has endeavored to perform its services based upon engineering practices accepted at the time they were performed. ENGINEER makes no other representations, express or implied, regarding the information, data, analysis, calculations, and conclusions contained herein.
15. The services provided by ENGINEER do not include legal advice. Legal counsel should be consulted regarding interpretation of applicable and relevant federal, state, and local statutes and regulations and other legal matters.

Appendix B


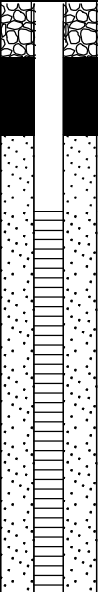



Soil Boring/Monitoring Well Completion Diagrams

CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>10/14/05</u>	COMPLETED <u>10/14/05</u>	GROUND ELEVATION _____	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Soil Exploration</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hollow Stem Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Dimitri Gounis</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY _____		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							
5		50	11-15-52-93 (67)		Tan course to very course sand with some gravel, moist, no odor	0	 <p>Backfill: Cuttings</p> <p>PVC Riser</p> <p>Bentonite</p> <p>Filter Pack</p> <p>PVC Screen</p>
10		25	42-30		Tan medium to fine sand, uniform, wet, no odor	0.8	
15		100	11-42-40-45 (82)		Tan fine sand with some plasticity with gravel and very course sand, wet, no odor	0.5	
20		0			Refusal at 21' suspected bedrock	0	
25							
30							
					Bottom of hole at 32.0 feet.		

GENERAL BH / TP / WELL BORING LOGS.GPJ GINT US.GDT 3/15/06

CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>10/14/05</u>	COMPLETED <u>10/14/05</u>	GROUND ELEVATION _____	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Soil Exploration</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hollow Stem Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Dimitri Gounis</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY _____		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							
		33	50		Tan madium to fine sand and gravel, dry, no odor 3.0	0	 <p>Backfill: Cuttings</p> <p>Bentonite PVC Riser</p> <p>Filter Pack</p> <p>PVC Screen</p>
5		0			Gravel and cobbles off auger, some angular gravel, some tan medium to fine dry sand 7.0		
10		33	6-12-22-12 (34)		Tan coarse sand and gravel with fine sand, wet, no odor 12.0	0	
15		25	70		Tan coarse sand and gravel with fines, slightly plastic/cohesive, wet, no odor, auger refusal at 15.5' 17.0	0	
20							
25							
					Bottom of hole at 27.0 feet.		

CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>10/14/05</u>	COMPLETED <u>10/14/05</u>	GROUND ELEVATION _____	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Soil Exploration</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hollow Stem Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Dimitri Gounis</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY _____		AFTER DRILLING <u>---</u>	
NOTES _____			


DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							
					Brown uniform medium sand fill, moist, no odor, off auger	0	<p>Backfill: Cuttings</p> <p>PVC Riser</p> <p>Bentonite</p> <p>PVC Screen Filter Pack</p>
					3.0		
5					5.0		
		75	5-7-8-6 (15)		Brown uniform medium to fine sand, moist, no odor	0	
10							
		50	6-7-9-12 (16)		Brown/tan coarse sand and fine sand with gravel, wet, no odor	0	
15							
		33	1-6-11-12 (17)		Brown/tan coarse sand and fine sand with some gravel, wet, no odor	0	
20							<p>Bentonite</p> <p>PVC Screen Filter Pack</p>
		75	3-6-8-21 (14)		Brown/tan coarse sand with some fines, wet, no odor	0	
25							
		83	15-20-23- 27 (43)		Brown/tan coarse sand to very coarse sand and gravel with some fines, wet, no odor	0	
							<p>Bentonite</p> <p>PVC Screen Filter Pack</p>
		83	7-11-9-11 (20)		Brown/tan coarse sand to very coarse sand and gravel with fines, wet, no odor	0	
					32.0		

GENERAL BH / TP / WELL BORING LOGS.GPJ GINT US.GDT 3/15/06




(Continued Next Page)

PROJECT NAME Walpole Park South





PROJECT LOCATION Walpole, Massachusetts

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		0			<p>Mounding prevents accurate sample from this depth, no soil desc. End or boring at 40', no refusal.</p> <p>42.0</p> <p>Bottom of hole at 25.0 feet.</p>	0	




CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>10/14/05</u>		COMPLETED <u>10/14/05</u>	
DRILLING CONTRACTOR <u>Soil Exploration</u>		GROUND ELEVATION _____ HOLE SIZE <u>2"</u>	
DRILLING METHOD <u>Hollow Stem Auger</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Dimitri Gounis</u>		AT TIME OF DRILLING <u>---</u>	
CHECKED BY _____		AT END OF DRILLING <u>---</u>	
NOTES _____		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0						
3.0					Brown medium to fine sand and gravel, dry, no odor, off auger	0
7.0		75	25-30-27-23 (57)		Brown medium to fine sand and gravel, dry, no odor	0
12.0		33	17-27-27-29 (54)		Brown medium to fine sand and gravel with some coarse sand few orange mottles, moist, no odor. Auger refusal at 13'	0
27.0					Bottom of hole at 27.0 feet.	





CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>2/16/06</u>	COMPLETED <u>2/16/06</u>	GROUND ELEVATION _____	HOLE SIZE <u>6"</u>
DRILLING CONTRACTOR <u>Geosearch</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hollow Stem Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Chris Nitchie</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY _____		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0						
		50	8-9-12-9 (21)		Brown medium to fine uniform sand, moist, no odor	0
5		25	16-18-20- 25 (38)		Brown medium to fine uniform sand with angular gravel, dry, no odor	0
10		0	6-21-45-30 (66)		No recovery, brown medium to fine uniform sand with angular gravel off auger	0
15		83	6-9-11-7 (20)		Brown/tan medium sand uniform with little gravel, moist, no odor	0
20					Bottom of hole at 20.0 feet.	

CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>2/16/06</u>		COMPLETED <u>2/16/06</u>	
DRILLING CONTRACTOR <u>Geosearch</u>		GROUND ELEVATION _____ HOLE SIZE <u>6"</u>	
DRILLING METHOD <u>Hollow Stem Auger</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Chris Nitchie</u>		AT TIME OF DRILLING <u>---</u>	
CHECKED BY _____		AT END OF DRILLING <u>---</u>	
NOTES _____		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0						
		100	6-10-9-10 (19)		12" loamy top soil, 12" brown medium to coarse sand and gravel with some fines, moist to wet, no odor.	0
3.0						
5		33	10-9-8-7 (17)		Brown medium to fine sand and gravel with some organic material (plant), wet at bottom of spoon	2.9
7.0						
10		83	3-9-10-13 (19)		Tan uniform medium to fine sand, moist, no odor, boring ended due to proximity to overhead utilities, no refusal	0
12.0						
					Bottom of hole at 12.0 feet.	

CLIENT <u>Walpole Park South Trust</u>		PROJECT NAME <u>Walpole Park South</u>	
PROJECT NUMBER _____		PROJECT LOCATION <u>Walpole, Massachusetts</u>	
DATE STARTED <u>2/16/06</u>	COMPLETED <u>2/16/06</u>	GROUND ELEVATION _____	HOLE SIZE <u>6"</u>
DRILLING CONTRACTOR <u>Geosearch</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hollow Stem Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Chris Nitchie</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY _____		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0						
					Tan to light brown medium sand and gravel with some fines, wet (snow melt), no odor	
3.0						
5						
		25	5-5-6-7 (11)		Brown medium to coarse sand with fines and some gravel, wet (snow melt), no odor	0
7.0						
10						
		42	14-43-63- 30 (106)		Tan/Brown medium to coarse sand with fines and gravel, wet, no odor. Likely near top of water table	0
12.0						
15						
		50	51		Tan/Brown uniform coarse sand with some fines transitioning to angular gravel with fines. Auger refusal at 18'	0
17.0						
					Bottom of hole at 18.0 feet.	



CLIENT Walpole Park South Trust

PROJECT NAME Walpole Park South

PROJECT NUMBER 12700058

PROJECT LOCATION Walpole, Massachusetts

DATE STARTED 12/5/07

COMPLETED 12/5/07

GROUND ELEVATION HOLE SIZE 2"

DRILLING CONTRACTOR Geosearch

GROUND WATER LEVELS:

DRILLING METHOD Hollow Stem Auger

AT TIME OF DRILLING 24'

LOGGED BY Luke Tulley

CHECKED BY

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0								
	S-1	50	6-6-8-5 (14)		2.0	Dry, tan, well sorted medium angular sand, trace gravel	12.3	Flush Mounted Road Box
					4.0			
	S-2	90	5-3-4-7 (7)		4.3	Dry, dark brown, poorly sorted coarse sand, trace gravel	0.1	
					6.0			
10					9.0	Dry, light tan, well sorted fine sand		
	S-3	80	6-13-21-18 (34)	Sample taken and submitted for VOC and MCP-14 analysis from 9'-11' (RIZ-8-9'-11')	10.0	Dry, light tan, well sorted fine sand	12.4	
					11.0	Dry, gray, large gravel, little sand		
					14.0			
	S-4	80	12-23-23-30 (46)		16.0	Dry, Brown, poorly sorted coarse sand, some silt, rocky	0	2" PVC Capped Riser
20					19.0			
	S-5	80	11-18-15-17 (33)		21.0	Dry, tan, poorly sorted coarse and fine sand, some gravel, rocky	0.1	
					24.0			
	S-6	50	14-23-27-21 (50)		26.0	Wet, brown, large gravel and rocks with coarse sand. Auger refusal at 27', bedrock	0.1	
30								Bentonite Seal
40								
50								Sand Filter Pack
60								
70								2" Machine Slotted Well Screen
								2" PVC Plug

Bottom of hole at 77.0 feet.

GENERAL BH / TP / WELL BORING LOGS.GPJ GINT US.GDT 12/11/07



TETRA TECH RIZZO

WELL NUMBER RIZ-8S

PAGE 1 OF 1

CLIENT	Walpole Park South Trust	PROJECT NAME	Walpole Park South
PROJECT NUMBER	12700058	PROJECT LOCATION	Walpole, Massachusetts
DATE STARTED	12/6/07	COMPLETED	12/6/07
DRILLING CONTRACTOR	Geosearch	GROUND ELEVATION	
DRILLING METHOD	Hollow Stem Auger	HOLE SIZE	2"
LOGGED BY	Luke Tulley	CHECKED BY	
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	N/A
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				
5				
10				
15				
20				

GENERAL BH / TP / WELL BORING LOGS.GPJ GINT US.GDT 12/11/07

Flush Mounted Road Box

2" PVC Capped Riser

Bentonite Seal








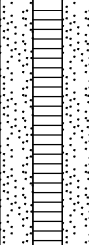

Sand Filter Pack

2" Machine Slotted Well Screen

2" PVC Plug



AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0								
	S-1	50	3-2-3-4 (5)			Dry, brown, pete, some poorly sorted coarse sand gravel	0	
5	S-2	15	9-10-12-18 (22)			Dry, brown to tan, poorly sorted coarse angular sand with gravel, some large rocks	0	
10	S-3	80	3-5-9-10 (14)	Sample taken and submitted for VOC and MCP-14 analysis from 9'-11' (RIZ-9-9'-11')		Dry, tan uniform coarse sand with some fines transitioning to angular gravel with fines	0	
15	S-4	50	34-19-13-7 (32)			Wet, tan, well sorted coarse sand with angular gravel. Soft bedrock at 16'.	0	
20								
25								
30								
35								
						Bottom of hole at 35.0 feet.		



CLIENT Walpole Park South Trust

PROJECT NAME Walpole Park South

PROJECT NUMBER 12700058

PROJECT LOCATION Walpole, Massachusetts

DATE STARTED 12/6/07

COMPLETED 12/6/07

GROUND ELEVATION

HOLE SIZE 2"

DRILLING CONTRACTOR Geosearch

GROUND WATER LEVELS:

DRILLING METHOD Hollow Stem Auger

AT TIME OF DRILLING 39'


















LOGGED BY Luke Tulley

CHECKED BY

AT END OF DRILLING ---

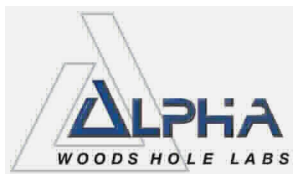
NOTES

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0								
	S-1	50	5-7-7-8 (14)			2.0 Dry, tan/brown, poorly sorted coarse sand and gravel	0	 Flush Mounted Road Box 2" PVC Capped Riser Bentonite Seal Sand Filter Pack 2" Machine Slotted Well Screen 2" PVC Plug
						4.0 Dry, tan, well sorted medium to fine sand, trace gravel	0	
	S-2	75	5-7-7-4 (14)			6.0 Dry, tan, well sorted medium to fine sand, trace gravel	0	
						9.0 Dry, tan, well sorted medium to fine sand, trace gravel	0	
10	S-3	80	2-3-3-4 (6)			11.0 Dry, tan, well sorted medium to fine sand	0	
	S-4	85	3-4-3-4 (7)			14.0 Dry, tan, well sorted medium to fine sand	0	
						19.0 Dry, tan, poorly sorted medium to fine sand and medium angular gravel	0	
20	S-5	25	5-8-15-13 (23)			21.0 Dry, tan, poorly sorted medium to fine sand and large angular gravel	0	
	S-6	12				24.0 Dry, tan, poorly sorted medium to fine sand and large angular gravel Boulder	0	
						29.0 Dry, tan, poorly sorted coarse sand and angular gravel	0	
30	S-7	30	9-23			31.0 Dry, tan, poorly sorted coarse sand and angular gravel	0	 Flush Mounted Road Box 2" PVC Capped Riser Bentonite Seal Sand Filter Pack 2" Machine Slotted Well Screen 2" PVC Plug
						39.0 Wet, brown, poorly sorted coarse to fine sand and gravel, rocky	0	
40	S-8	50	11-16-11-20 (27)			41.0 Wet, brown, poorly sorted coarse to fine sand and gravel	0	
	S-9	15		Sample taken and submitted for VOC and MCP-14 analysis from 44-46' (RIZ-10-44'-46')		44.0 Wet, brown, poorly sorted coarse to fine sand and gravel	0	
						46.0 Wet, brown, poorly sorted coarse to fine sand and gravel Bottom of hole at 46.0 feet.	0	

Appendix C

Laboratory Certificates of Analysis



ANALYTICAL REPORT

Lab Number: L0718979

Client: Tetra Tech Rizzo
1 Grant Street
Framingham, MA 01701-9005

ATTN: Ray Johnson

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Report Date: 01/03/08

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (200305), NJ (MA935), RI (LAO00065), ME (2006012), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

Alpha Sample ID	Client ID	Sample Location
L0718979-01	RIZ-8	WALPOLE, MA
L0718979-02	RIZ-10	WALPOLE, MA
L0718979-03	RIZ-9	WALPOLE, MA
L0718979-04	GHC-6	WALPOLE, MA
L0718979-05	MW-9	WALPOLE, MA
L0718979-06	RIZ-3	WALPOLE, MA
L0718979-07	MW-3	WALPOLE, MA

Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

MCP Related Narratives

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

In reference to question E:

The WG307181-1/2 LCS/LCSD % recoveries for Dichlorodifluoromethane and the LCS % recovery for 1,4-Dioxane are below the individual acceptance criteria for the compounds, but within the overall method allowances. These are both difficult analytes.

The WG307181-1/2 LCS/LCSD % RPD for 1,4-Dioxane is above the method acceptance criteria.

The WG307363-1/2 LCS/LCSD % recoveries for Dichlorodifluoromethane are below and the LCSD % recoveries for Acetone (a difficult analyte) and 1,4-Dioxane are above the individual acceptance criteria for the compounds, but within the overall method allowances.

Metals

L0718979-01 through -07 were diluted 4x for the analysis of all 6020A analytes due to non-target analyte interference.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 01/03/08

ORGANICS

VOLATILES

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-01
Client ID: RIZ-8
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/27/07 17:23
Analyst: GK

Date Collected: 12/19/07 11:10
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-01

Date Collected: 12/19/07 11:10

Client ID: RIZ-8

Date Received: 12/21/07

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-01
 Client ID: RIZ-8
 Sample Location: WALPOLE, MA

Date Collected: 12/19/07 11:10
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-02
Client ID: RIZ-10
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/27/07 18:01
Analyst: GK

Date Collected: 12/19/07 12:40
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-02
 Client ID: RIZ-10
 Sample Location: WALPOLE, MA

Date Collected: 12/19/07 12:40
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	1.2		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-02
 Client ID: RIZ-10
 Sample Location: WALPOLE, MA

Date Collected: 12/19/07 12:40
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-03
Client ID: RIZ-9
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/27/07 18:40
Analyst: GK

Date Collected: 12/19/07 13:40
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-03

Date Collected: 12/19/07 13:40

Client ID: RIZ-9

Date Received: 12/21/07

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-03
 Client ID: RIZ-9
 Sample Location: WALPOLE, MA

Date Collected: 12/19/07 13:40
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-04
Client ID: GHC-6
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/27/07 19:18
Analyst: GK

Date Collected: 12/19/07 16:00
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-04
 Client ID: GHC-6
 Sample Location: WALPOLE, MA

Date Collected: 12/19/07 16:00
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-04
 Client ID: GHC-6
 Sample Location: WALPOLE, MA

Date Collected: 12/19/07 16:00
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-05
Client ID: MW-9
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/27/07 19:57
Analyst: GK

Date Collected: 12/20/07 09:00
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-05

Date Collected: 12/20/07 09:00

Client ID: MW-9

Date Received: 12/21/07

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	5.1		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-05
 Client ID: MW-9
 Sample Location: WALPOLE, MA

Date Collected: 12/20/07 09:00
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-06
Client ID: RIZ-3
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/27/07 20:36
Analyst: GK

Date Collected: 12/20/07 10:30
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-06

Date Collected: 12/20/07 10:30

Client ID: RIZ-3

Date Received: 12/21/07

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-06
 Client ID: RIZ-3
 Sample Location: WALPOLE, MA

Date Collected: 12/20/07 10:30
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-07
Client ID: MW-3
Sample Location: WALPOLE, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 12/28/07 21:58
Analyst: GK

Date Collected: 12/20/07 11:25
Date Received: 12/21/07
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-07

Date Collected: 12/20/07 11:25

Client ID: MW-3

Date Received: 12/21/07

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	1.7		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-07
 Client ID: MW-3
 Sample Location: WALPOLE, MA

Date Collected: 12/20/07 11:25
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by MCP 8260B

Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B

Analytical Date: 12/27/07 12:14

Analyst: GK

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-06 Batch: WG307181-3				

Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B

Analytical Date: 12/27/07 12:14

Analyst: GK

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 01-06 Batch: WG307181-3				
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Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B

Analytical Date: 12/27/07 12:14

Analyst: GK

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 01-06 Batch: WG307181-3				
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1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B

Analytical Date: 12/28/07 13:00

Analyst: GK

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 07 Batch: WG307363-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B

Analytical Date: 12/28/07 13:00

Analyst: GK

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 07 Batch: WG307363-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 12/28/07 13:00
 Analyst: GK

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 07 Batch: WG307363-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-06 Batch: WG307181-1 WG307181-2					
Methylene chloride	99	101	70-130	2	25
1,1-Dichloroethane	100	100	70-130	0	25
Chloroform	102	104	70-130	2	25
Carbon tetrachloride	89	98	70-130	10	25
1,2-Dichloropropane	95	97	70-130	2	25
Dibromochloromethane	86	92	70-130	7	25
1,1,2-Trichloroethane	91	87	70-130	4	25
Tetrachloroethene	99	103	70-130	4	25
Chlorobenzene	96	98	70-130	2	25
Trichlorofluoromethane	105	108	70-130	3	25
1,2-Dichloroethane	97	100	70-130	3	25
1,1,1-Trichloroethane	99	102	70-130	3	25
Bromodichloromethane	93	98	70-130	5	25
trans-1,3-Dichloropropene	84	86	70-130	2	25
cis-1,3-Dichloropropene	94	95	70-130	1	25
1,1-Dichloropropene	99	102	70-130	3	25
Bromoform	82	89	70-130	8	50
1,1,2,2-Tetrachloroethane	84	85	70-130	1	25
Benzene	97	99	70-130	2	25
Toluene	95	97	70-130	2	25
Ethylbenzene	97	98	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-06 Batch: WG307181-1 WG307181-2					
Chloromethane	78	83	70-130	6	50
Bromomethane	91	89	70-130	2	50
Vinyl chloride	83	88	70-130	6	25
Chloroethane	111	106	70-130	5	25
1,1-Dichloroethene	102	104	70-130	2	25
trans-1,2-Dichloroethene	96	99	70-130	3	25
Trichloroethene	96	100	70-130	4	25
1,2-Dichlorobenzene	99	97	70-130	2	25
1,3-Dichlorobenzene	98	101	70-130	3	25
1,4-Dichlorobenzene	98	98	70-130	0	25
Methyl tert butyl ether	100	98	70-130	2	25
p/m-Xylene	101	104	70-130	3	25
o-Xylene	101	102	70-130	1	25
cis-1,2-Dichloroethene	97	100	70-130	3	25
Dibromomethane	93	94	70-130	1	25
1,2,3-Trichloropropane	86	88	70-130	2	25
Styrene	100	102	70-130	2	25
Dichlorodifluoromethane	60	65	70-130	8	50
Acetone	95	92	70-130	3	50
Carbon disulfide	90	91	70-130	1	25
2-Butanone	87	90	70-130	3	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-06 Batch: WG307181-1 WG307181-2					
4-Methyl-2-pentanone	93	99	70-130	6	50
2-Hexanone	84	86	70-130	2	50
Bromochloromethane	100	106	70-130	6	25
Tetrahydrofuran	91	94	70-130	3	25
2,2-Dichloropropane	100	105	70-130	5	50
1,2-Dibromoethane	90	91	70-130	1	25
1,3-Dichloropropane	88	90	70-130	2	25
1,1,1,2-Tetrachloroethane	88	93	70-130	6	25
Bromobenzene	98	97	70-130	1	25
n-Butylbenzene	95	96	70-130	1	25
sec-Butylbenzene	96	98	70-130	2	25
tert-Butylbenzene	98	98	70-130	0	25
o-Chlorotoluene	94	94	70-130	0	25
p-Chlorotoluene	95	96	70-130	1	25
1,2-Dibromo-3-chloropropane	74	87	70-130	16	50
Hexachlorobutadiene	96	101	70-130	5	25
Isopropylbenzene	103	106	70-130	3	25
p-Isopropyltoluene	102	102	70-130	0	25
Naphthalene	90	97	70-130	7	25
n-Propylbenzene	96	96	70-130	0	25
1,2,3-Trichlorobenzene	100	105	70-130	5	25

Lab Control Sample Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-06 Batch: WG307181-1 WG307181-2					
1,2,4-Trichlorobenzene	103	106	70-130	3	25
1,3,5-Trimethylbenzene	97	96	70-130	1	25
1,2,4-Trimethylbenzene	97	97	70-130	0	25
Ethyl ether	103	103	70-130	0	25
Isopropyl Ether	100	100	70-130	0	25
Ethyl-Tert-Butyl-Ether	101	94	70-130	7	25
Tertiary-Amyl Methyl Ether	96	100	70-130	4	25
1,4-Dioxane	53	113	70-130	72	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	98		95		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 07 Batch: WG307363-1 WG307363-2					
Methylene chloride	99	100	70-130	1	25
1,1-Dichloroethane	103	99	70-130	4	25
Chloroform	108	105	70-130	3	25
Carbon tetrachloride	111	101	70-130	9	25
1,2-Dichloropropane	94	91	70-130	3	25
Dibromochloromethane	94	92	70-130	2	25
1,1,2-Trichloroethane	88	92	70-130	4	25
Tetrachloroethene	104	98	70-130	6	25
Chlorobenzene	96	91	70-130	5	25
Trichlorofluoromethane	118	110	70-130	7	25
1,2-Dichloroethane	104	109	70-130	5	25
1,1,1-Trichloroethane	111	107	70-130	4	25
Bromodichloromethane	102	100	70-130	2	25
trans-1,3-Dichloropropene	88	86	70-130	2	25
cis-1,3-Dichloropropene	100	98	70-130	2	25
1,1-Dichloropropene	108	101	70-130	7	25
Bromoform	95	93	70-130	2	50
1,1,2,2-Tetrachloroethane	82	84	70-130	2	25
Benzene	100	95	70-130	5	25
Toluene	94	88	70-130	7	25
Ethylbenzene	97	92	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 07 Batch: WG307363-1 WG307363-2					
Chloromethane	80	76	70-130	5	50
Bromomethane	82	75	70-130	9	50
Vinyl chloride	88	83	70-130	6	25
Chloroethane	105	100	70-130	5	25
1,1-Dichloroethene	111	104	70-130	7	25
trans-1,2-Dichloroethene	102	97	70-130	5	25
Trichloroethene	103	97	70-130	6	25
1,2-Dichlorobenzene	94	93	70-130	1	25
1,3-Dichlorobenzene	96	91	70-130	5	25
1,4-Dichlorobenzene	97	93	70-130	4	25
Methyl tert butyl ether	106	117	70-130	10	25
p/m-Xylene	102	96	70-130	6	25
o-Xylene	101	94	70-130	7	25
cis-1,2-Dichloroethene	102	106	70-130	4	25
Dibromomethane	100	105	70-130	5	25
1,2,3-Trichloropropane	82	92	70-130	11	25
Styrene	99	95	70-130	4	25
Dichlorodifluoromethane	66	63	70-130	5	50
Acetone	118	147	70-130	22	50
Carbon disulfide	89	87	70-130	2	25
2-Butanone	100	112	70-130	11	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 07 Batch: WG307363-1 WG307363-2					
4-Methyl-2-pentanone	101	116	70-130	14	50
2-Hexanone	85	98	70-130	14	50
Bromochloromethane	103	108	70-130	5	25
Tetrahydrofuran	99	114	70-130	14	25
2,2-Dichloropropane	111	108	70-130	3	50
1,2-Dibromoethane	92	93	70-130	1	25
1,3-Dichloropropane	88	93	70-130	6	25
1,1,1,2-Tetrachloroethane	95	91	70-130	4	25
Bromobenzene	97	92	70-130	5	25
n-Butylbenzene	98	91	70-130	7	25
sec-Butylbenzene	98	91	70-130	7	25
tert-Butylbenzene	100	93	70-130	7	25
o-Chlorotoluene	93	87	70-130	7	25
p-Chlorotoluene	94	89	70-130	5	25
1,2-Dibromo-3-chloropropane	83	85	70-130	2	50
Hexachlorobutadiene	106	101	70-130	5	25
Isopropylbenzene	106	99	70-130	7	25
p-Isopropyltoluene	104	97	70-130	7	25
Naphthalene	93	96	70-130	3	25
n-Propylbenzene	96	89	70-130	8	25
1,2,3-Trichlorobenzene	100	104	70-130	4	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 07 Batch: WG307363-1 WG307363-2					
1,2,4-Trichlorobenzene	102	100	70-130	2	25
1,3,5-Trimethylbenzene	98	90	70-130	9	25
1,2,4-Trimethylbenzene	95	90	70-130	5	25
Ethyl ether	103	116	70-130	12	25
Isopropyl Ether	101	104	70-130	3	25
Ethyl-Tert-Butyl-Ether	104	107	70-130	3	25
Tertiary-Amyl Methyl Ether	105	114	70-130	8	25
1,4-Dioxane	130	144	70-130	10	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		109		70-130
Toluene-d8	93		95		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	109		109		70-130

METALS

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS****Lab ID:** L0718979-01**Date Collected:** 12/19/07 11:10**Client ID:** RIZ-8**Date Received:** 12/21/07**Sample Location:** WALPOLE, MA**Field Prep:** Field Filtered**Matrix:** Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0508		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:31	EPA 7470A	64,7470A	DM
Nickel, Dissolved	0.0048		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0200	4	12/30/07 09:30	01/02/08 22:50	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-02
 Client ID: RIZ-10
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 12/19/07 12:40
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0958		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:36	EPA 7470A	64,7470A	DM
Nickel, Dissolved	0.0079		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM
Zinc, Dissolved	0.0216		mg/l	0.0200	4	12/30/07 09:30	01/02/08 23:01	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-03
 Client ID: RIZ-9
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 12/19/07 13:40
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0153		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:38	EPA 7470A	64,7470A	DM
Nickel, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0200	4	12/30/07 09:30	01/02/08 23:07	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-04
 Client ID: GHC-6
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 12/19/07 16:00
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0459		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:40	EPA 7470A	64,7470A	DM
Nickel, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0200	4	12/30/07 09:30	01/02/08 23:12	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-05

Date Collected: 12/20/07 09:00

Client ID: MW-9

Date Received: 12/21/07

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0070		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:42	EPA 7470A	64,7470A	DM
Nickel, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM
Zinc, Dissolved	0.0259		mg/l	0.0200	4	12/30/07 09:30	01/02/08 23:18	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0718979**Project Number:** 12700058**Report Date:** 01/03/08**SAMPLE RESULTS**

Lab ID: L0718979-06
 Client ID: RIZ-3
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 12/20/07 10:30
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0256		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:44	EPA 7470A	64,7470A	DM
Nickel, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0200	4	12/30/07 09:30	01/02/08 23:23	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

SAMPLE RESULTS

Lab ID: L0718979-07
 Client ID: MW-3
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 12/20/07 11:25
 Date Received: 12/21/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Barium, Dissolved	0.0152		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:45	EPA 7470A	64,7470A	DM
Nickel, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.004	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0020	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0200	4	12/30/07 09:30	01/02/08 23:29	EPA 3005A	64,6020A	BM



Project Name: WALPOLE PARK SOUTH

Lab Number: L0718979

Project Number: 12700058

Report Date: 01/03/08

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-07 Batch: WG307204-1									
Mercury, Dissolved	ND		mg/l	0.0002	1	12/28/07 16:35	12/31/07 10:25	64,7470A	DM

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-07 Batch: WG307274-1									
Antimony, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Barium, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Lead, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Nickel, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Selenium, Dissolved	ND		mg/l	0.001	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Silver, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0005	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0050	1	12/30/07 09:30	01/02/08 22:12	64,6020A	BM

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058

Lab Number: L0718979

Report Date: 01/03/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-07 Batch: WG307204-2 WG307204-3					
Mercury, Dissolved	98	98	80-120	0	20
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-07 Batch: WG307274-2 WG307274-3					
Antimony, Dissolved	95	98	80-120	3	20
Arsenic, Dissolved	101	100	80-120	1	20
Barium, Dissolved	97	100	80-120	3	20
Beryllium, Dissolved	89	86	80-120	3	20
Cadmium, Dissolved	104	105	80-120	1	20
Chromium, Dissolved	101	104	80-120	3	20
Lead, Dissolved	102	105	80-120	3	20
Nickel, Dissolved	102	106	80-120	4	20
Selenium, Dissolved	100	98	80-120	2	20
Silver, Dissolved	95	97	80-120	2	20
Thallium, Dissolved	95	99	80-120	4	20
Vanadium, Dissolved	98	101	80-120	3	20
Zinc, Dissolved	102	102	80-120	0	20

Project Name: WALPOLE PARK SOUTH**Project Number:** 12700058**Lab Number:** L0718979**Report Date:** 01/03/08**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0718979-01A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-01B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-01C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-02A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-02B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-02C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-03A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-03B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-03C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-04A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-04B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-04C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-05A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-05B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04

Project Name: WALPOLE PARK SOUTH**Project Number:** 12700058**Lab Number:** L0718979**Report Date:** 01/03/08**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0718979-05C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-06A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-06B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-06C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-07A	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-07B	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04
L0718979-07C	Plastic 500ml HNO3 preserved	A	<2	2.2 C	Y	Absent	MCP-7470S,MCP-AG-6020S,MCP-AS-6020S,MCP-BA-6020S,MCP-BE-6020S,MCP-CD-6020S,MCP-CR-6020S,MCP-NI-6020S,MCP-PB-6020S,MCP-SB-6020S,MCP-SE-6020S,MCP-TL-6020S,MCP-V-6020S,MCP-ZN-6020S
L0718979-07N	Vial HCl preserved	A	N/A	2.2 C	Y	Absent	MCP-8260-04

Container Comments

L0718979-07B

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD- Laboratory Control Sample Duplicate: Refer to LCS.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NI - Not Ignitable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- ND - Not detected at the reported detection limit for the sample.
- RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0718979
Report Date: 01/03/08

REFERENCES

- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.
- 64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





CHAIN OF CUSTODY

PAGE 1 OF 1

 WESTBORO, MA
 TEL: 508-898-9220
 FAX: 508-898-9193
 MANSFIELD, MA
 TEL: 508-822-3300
 FAX: 508-822-3288

Client Information

Client: Tetra Tech K.220

Address: 16 Grant Street

Framingham, MA 01701

Phone: (508) 903-2000

Fax: (508) 903-2001

Email: ray.johnson@tetratech.com Date Due: 1/8/08 Time:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

MCP GSW-1 standards

Project Information

Project Name: Walpole Park South

Project Location: Walpole, MA

Project #: 12700058

Project Manager: Ray Johnson

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Rec'd in Lab: 12/21

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEX ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

MA MCP GSW-1

GSW-1

MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

 ALPHA Lab ID
 (Lab Use Only)

Sample ID

Collection Date Time

Sample Matrix Sampler's Initials

Sample Specific Comments

TOTAL # BOTTOM L E S

8979-1 R.2-8

2 R.2-10

3 R.2-9

4 GHC-6

5 MW-9

6 R.2-3

7 MW-3

 12/19/07 11¹⁵

 12/19/07 12⁴⁰

 12/19/07 13⁴⁰

 12/19/07 16³⁰

 12/20/07 9³⁰

 12/20/07 10³⁰

 12/20/07 11²⁵

GSW LST

GSW LST

GSW LST

GSW LST

GSW LST

GSW LST

GSW LST

X X

X X

X X

X X

X X

X X

X X

 ANALYSIS
 PER 14 METALS
 VOCs 8200

SAMPLE HANDLING

☒ Filtration
☒ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
 (Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT

MA MCP OR CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

 Container Type
 Preservative
 C B

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.



ANALYTICAL REPORT

Lab Number:	L0806023
Client:	Tetra Tech Rizzo 1 Grant Street Framingham, MA 01701-9005
ATTN:	Ian Cannan
Project Name:	WALPOLE PARK SOUTH
Project Number:	12700058-003
Report Date:	05/05/08

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

Alpha Sample ID	Client ID	Sample Location
L0806023-01	RIZ-10-042808	WALPOLE, MA
L0806023-02	RIZ-9-042808	WALPOLE, MA
L0806023-03	MW-3-042808	WALPOLE, MA
L0806023-04	RIZ-8-042808	WALPOLE, MA
L0806023-05	RIZ-8S-042808	WALPOLE, MA
L0806023-06	GHC-6-042808	WALPOLE, MA
L0806023-07	MW-2-042808	WALPOLE, MA
L0806023-08	TRIP BLANK-042808	WALPOLE, MA

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

MCP Related Narratives:

Metals

L0806023-01 through -07 were diluted for the analysis of all analytes by method 6020A due to high concentrations of target and non-target analytes.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 05/05/08

ORGANICS

VOLATILES

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-01
Client ID: RIZ-10-042808
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/01/08 10:04
Analyst: MM

Date Collected: 04/28/08 09:10
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	0.73		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-01
 Client ID: RIZ-10-042808
 Sample Location: WALPOLE, MA

Date Collected: 04/28/08 09:10
 Date Received: 04/29/08
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

Unknown Alkene	2.6	J	ug/l	1
Unknown Hydrocarbon	0.90	J	ug/l	1
Acetone	0.78	J	ug/l	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-01
Client ID: RIZ-10-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 09:10
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	112		80-120
4-Bromofluorobenzene	88		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-02
 Client ID: RIZ-9-042808
 Sample Location: WALPOLE, MA
 Matrix: Water
 Analytical Method: 16,524.2
 Analytical Date: 05/01/08 10:38
 Analyst: MM

Date Collected: 04/28/08 10:12
 Date Received: 04/29/08
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-02
 Client ID: RIZ-9-042808
 Sample Location: WALPOLE, MA

Date Collected: 04/28/08 10:12
 Date Received: 04/29/08
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-02
Client ID: RIZ-9-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 10:12
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	116		80-120
4-Bromofluorobenzene	87		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-03
Client ID: MW-3-042808
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/01/08 11:10
Analyst: MM

Date Collected: 04/28/08 11:20
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-03
Client ID: MW-3-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 11:20
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-03
Client ID: MW-3-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 11:20
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	112		80-120
4-Bromofluorobenzene	90		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-04
 Client ID: RIZ-8-042808
 Sample Location: WALPOLE, MA
 Matrix: Water
 Analytical Method: 16,524.2
 Analytical Date: 05/01/08 11:43
 Analyst: MM

Date Collected: 04/28/08 12:15
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-04
Client ID: RIZ-8-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 12:15
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-04
Client ID: RIZ-8-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 12:15
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	114		80-120
4-Bromofluorobenzene	91		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-05
Client ID: RIZ-8S-042808
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/01/08 12:17
Analyst: MM

Date Collected: 04/28/08 12:30
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-05
 Client ID: RIZ-8S-042808
 Sample Location: WALPOLE, MA

Date Collected: 04/28/08 12:30
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

Unknown Alkane	0.62	J	ug/l	1
Unknown Alkane	2.7	J	ug/l	1
Unknown Hydrocarbon	4.3	J	ug/l	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-05
 Client ID: RIZ-8S-042808
 Sample Location: WALPOLE, MA

Date Collected: 04/28/08 12:30
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Tentatively Identified Compounds					
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Unknown Hydrocarbon	0.64	J	ug/l		1
Pentane	1.2	J	ug/l		1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	116		80-120
4-Bromofluorobenzene	87		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-06
Client ID: GHC-6-042808
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/01/08 12:50
Analyst: MM

Date Collected: 04/28/08 14:36
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-06
 Client ID: GHC-6-042808
 Sample Location: WALPOLE, MA

Date Collected: 04/28/08 14:36
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-06
Client ID: GHC-6-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 14:36
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	117		80-120
4-Bromofluorobenzene	88		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-07
Client ID: MW-2-042808
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/01/08 13:23
Analyst: MM

Date Collected: 04/28/08 14:52
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	2.2		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-07
Client ID: MW-2-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 14:52
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-07
Client ID: MW-2-042808
Sample Location: WALPOLE, MA

Date Collected: 04/28/08 14:52
Date Received: 04/29/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2					
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	118		80-120
4-Bromofluorobenzene	87		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-08
Client ID: TRIP BLANK-042808
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/01/08 09:31
Analyst: MM

Date Collected: 04/23/08 18:00
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

SAMPLE RESULTS

Lab ID: L0806023-08
Client ID: TRIP BLANK-042808
Sample Location: WALPOLE, MA

Date Collected: 04/23/08 18:00
Date Received: 04/29/08
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-08

Date Collected: 04/23/08 18:00

Client ID: TRIP BLANK-042808

Date Received: 04/29/08

Sample Location: WALPOLE, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	113		80-120
4-Bromofluorobenzene	95		80-120

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 05/01/08 08:25
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 01,04-08 Batch: WG319665-8				
Methylene chloride	ND		ug/l	0.50
1,1-Dichloroethane	ND		ug/l	0.50
Chloroform	ND		ug/l	0.50
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	0.50
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.50
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	0.50
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.50
Ethylbenzene	ND		ug/l	0.50
p/m-Xylene	ND		ug/l	0.50
Chloromethane	ND		ug/l	0.50
Bromomethane	ND		ug/l	0.50
Vinyl chloride	ND		ug/l	0.50
Chloroethane	ND		ug/l	0.50
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.50
cis-1,2-Dichloroethene	ND		ug/l	0.50
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	0.50
1,3-Dichlorobenzene	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 05/01/08 08:25
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 01,04-08 Batch: WG319665-8				
1,4-Dichlorobenzene	ND		ug/l	0.50
Styrene	ND		ug/l	0.50
o-Xylene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	0.50
2,2-Dichloropropane	ND		ug/l	0.50
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
1,2,3-Trichloropropane	ND		ug/l	0.50
Bromochloromethane	ND		ug/l	0.50
n-Butylbenzene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	0.50
Hexachlorobutadiene	ND		ug/l	0.50
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	0.50
n-Propylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	0.50
1,2,3-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trimethylbenzene	ND		ug/l	0.50
1,3,5-Trimethylbenzene	ND		ug/l	0.50
Bromobenzene	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	0.50
p-Chlorotoluene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	0.50
1,2-Dibromoethane	ND		ug/l	0.50
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50
1,3-Dichloropropane	ND		ug/l	0.50
Methyl tert butyl ether	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2

Analytical Date: 05/01/08 08:25

Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 01,04-08 Batch: WG319665-8				

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	114		80-120
4-Bromofluorobenzene	87		80-120

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 05/01/08 08:25
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 02-03 Batch: WG320296-4				

Methylene chloride	ND		ug/l	0.50
1,1-Dichloroethane	ND		ug/l	0.50
Chloroform	ND		ug/l	0.50
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	0.50
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.50
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	0.50
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.50
Ethylbenzene	ND		ug/l	0.50
p/m-Xylene	ND		ug/l	0.50
Chloromethane	ND		ug/l	0.50
Bromomethane	ND		ug/l	0.50
Vinyl chloride	ND		ug/l	0.50
Chloroethane	ND		ug/l	0.50
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.50
cis-1,2-Dichloroethene	ND		ug/l	0.50
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	0.50
1,3-Dichlorobenzene	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 05/01/08 08:25
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 02-03 Batch: WG320296-4				

1,4-Dichlorobenzene	ND		ug/l	0.50
Styrene	ND		ug/l	0.50
o-Xylene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	0.50
2,2-Dichloropropane	ND		ug/l	0.50
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
1,2,3-Trichloropropane	ND		ug/l	0.50
Bromochloromethane	ND		ug/l	0.50
n-Butylbenzene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	0.50
Hexachlorobutadiene	ND		ug/l	0.50
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	0.50
n-Propylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	0.50
1,2,3-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trimethylbenzene	ND		ug/l	0.50
1,3,5-Trimethylbenzene	ND		ug/l	0.50
Bromobenzene	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	0.50
p-Chlorotoluene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	0.50
1,2-Dibromoethane	ND		ug/l	0.50
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50
1,3-Dichloropropane	ND		ug/l	0.50
Methyl tert butyl ether	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2
Analytical Date: 05/01/08 08:25
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 02-03 Batch: WG320296-4				

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	114		80-120
4-Bromofluorobenzene	87		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 Batch: WG319665-7					
Methylene chloride	99	-	70-130	-	
1,1-Dichloroethane	107	-	70-130	-	
Chloroform	106	-	70-130	-	
Carbon tetrachloride	103	-	70-130	-	
1,2-Dichloropropane	106	-	70-130	-	
Dibromochloromethane	96	-	70-130	-	
1,1,2-Trichloroethane	98	-	70-130	-	
Tetrachloroethene	112	-	70-130	-	
Chlorobenzene	108	-	70-130	-	
Trichlorofluoromethane	93	-	70-130	-	
1,2-Dichloroethane	109	-	70-130	-	
1,1,1-Trichloroethane	108	-	70-130	-	
Bromodichloromethane	102	-	70-130	-	
trans-1,3-Dichloropropene	86	-	70-130	-	
cis-1,3-Dichloropropene	90	-	70-130	-	
Bromoform	90	-	70-130	-	
1,1,2,2-Tetrachloroethane	90	-	70-130	-	
Benzene	111	-	70-130	-	
Toluene	116	-	70-130	-	
Ethylbenzene	110	-	70-130	-	
p/m-Xylene	113	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 Batch: WG319665-7					
Chloromethane	101	-	70-130	-	
Bromomethane	103	-	70-130	-	
Vinyl chloride	107	-	70-130	-	
Chloroethane	106	-	70-130	-	
1,1-Dichloroethene	100	-	70-130	-	
trans-1,2-Dichloroethene	103	-	70-130	-	
cis-1,2-Dichloroethene	111	-	70-130	-	
Trichloroethene	101	-	70-130	-	
1,2-Dichlorobenzene	95	-	70-130	-	
1,3-Dichlorobenzene	99	-	70-130	-	
1,4-Dichlorobenzene	95	-	70-130	-	
Styrene	108	-	70-130	-	
o-Xylene	109	-	70-130	-	
1,1-Dichloropropene	107	-	70-130	-	
2,2-Dichloropropane	93	-	70-130	-	
1,1,1,2-Tetrachloroethane	101	-	70-130	-	
1,2,3-Trichloropropane	91	-	70-130	-	
Bromochloromethane	106	-	70-130	-	
n-Butylbenzene	102	-	70-130	-	
Dichlorodifluoromethane	106	-	70-130	-	
Hexachlorobutadiene	98	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 Batch: WG319665-7					
Isopropylbenzene	103	-	70-130	-	
p-Isopropyltoluene	103	-	70-130	-	
Naphthalene	82	-	70-130	-	
n-Propylbenzene	113	-	70-130	-	
sec-Butylbenzene	109	-	70-130	-	
tert-Butylbenzene	112	-	70-130	-	
1,2,3-Trichlorobenzene	87	-	70-130	-	
1,2,4-Trichlorobenzene	86	-	70-130	-	
1,2,4-Trimethylbenzene	106	-	70-130	-	
1,3,5-Trimethylbenzene	115	-	70-130	-	
Bromobenzene	103	-	70-130	-	
o-Chlorotoluene	110	-	70-130	-	
p-Chlorotoluene	105	-	70-130	-	
Dibromomethane	102	-	70-130	-	
1,2-Dibromoethane	92	-	70-130	-	
1,2-Dibromo-3-chloropropane	78	-	70-130	-	
1,3-Dichloropropane	98	-	70-130	-	
Methyl tert butyl ether	97	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 Batch: WG319665-7

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101				80-120
4-Bromofluorobenzene	102				80-120

Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 Batch: WG320296-3

Methylene chloride	99	-	70-130	-
1,1-Dichloroethane	107	-	70-130	-
Chloroform	106	-	70-130	-
Carbon tetrachloride	103	-	70-130	-
1,2-Dichloropropane	106	-	70-130	-
Dibromochloromethane	96	-	70-130	-
1,1,2-Trichloroethane	98	-	70-130	-
Tetrachloroethene	112	-	70-130	-
Chlorobenzene	108	-	70-130	-

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 Batch: WG320296-3					
Trichlorofluoromethane	93	-	70-130	-	
1,2-Dichloroethane	109	-	70-130	-	
1,1,1-Trichloroethane	108	-	70-130	-	
Bromodichloromethane	102	-	70-130	-	
trans-1,3-Dichloropropene	86	-	70-130	-	
cis-1,3-Dichloropropene	90	-	70-130	-	
Bromoform	90	-	70-130	-	
1,1,2,2-Tetrachloroethane	90	-	70-130	-	
Benzene	111	-	70-130	-	
Toluene	116	-	70-130	-	
Ethylbenzene	110	-	70-130	-	
p/m-Xylene	113	-	70-130	-	
Chloromethane	101	-	70-130	-	
Bromomethane	103	-	70-130	-	
Vinyl chloride	107	-	70-130	-	
Chloroethane	106	-	70-130	-	
1,1-Dichloroethene	100	-	70-130	-	
trans-1,2-Dichloroethene	103	-	70-130	-	
cis-1,2-Dichloroethene	111	-	70-130	-	
Trichloroethene	101	-	70-130	-	
1,2-Dichlorobenzene	95	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 Batch: WG320296-3					
1,3-Dichlorobenzene	99	-	70-130	-	
1,4-Dichlorobenzene	95	-	70-130	-	
Styrene	108	-	70-130	-	
o-Xylene	109	-	70-130	-	
1,1-Dichloropropene	107	-	70-130	-	
2,2-Dichloropropane	93	-	70-130	-	
1,1,1,2-Tetrachloroethane	101	-	70-130	-	
1,2,3-Trichloropropane	91	-	70-130	-	
Bromochloromethane	106	-	70-130	-	
n-Butylbenzene	102	-	70-130	-	
Dichlorodifluoromethane	106	-	70-130	-	
Hexachlorobutadiene	98	-	70-130	-	
Isopropylbenzene	103	-	70-130	-	
p-Isopropyltoluene	103	-	70-130	-	
Naphthalene	82	-	70-130	-	
n-Propylbenzene	113	-	70-130	-	
sec-Butylbenzene	109	-	70-130	-	
tert-Butylbenzene	112	-	70-130	-	
1,2,3-Trichlorobenzene	87	-	70-130	-	
1,2,4-Trichlorobenzene	86	-	70-130	-	
1,2,4-Trimethylbenzene	106	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 Batch: WG320296-3					
1,3,5-Trimethylbenzene	115	-	70-130	-	
Bromobenzene	103	-	70-130	-	
o-Chlorotoluene	110	-	70-130	-	
p-Chlorotoluene	105	-	70-130	-	
Dibromomethane	102	-	70-130	-	
1,2-Dibromoethane	92	-	70-130	-	
1,2-Dibromo-3-chloropropane	78	-	70-130	-	
1,3-Dichloropropane	98	-	70-130	-	
Methyl tert butyl ether	97	-	70-130	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101				80-120
4-Bromofluorobenzene	102				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-1 QC Sample: L0805753-01 Client ID: MS Sample									
Methylene chloride	ND	4	3.9	98	-	-	70-130	-	20
1,1-Dichloroethane	ND	4	4.2	106	-	-	70-130	-	20
Chloroform	ND	4	4.4	109	-	-	70-130	-	20
Carbon tetrachloride	ND	4	4.4	110	-	-	70-130	-	20
1,2-Dichloropropane	ND	4	4.2	105	-	-	70-130	-	20
Dibromochloromethane	ND	4	3.9	97	-	-	70-130	-	20
1,1,2-Trichloroethane	ND	4	4.0	101	-	-	70-130	-	20
Tetrachloroethene	ND	4	4.7	117	-	-	70-130	-	20
Chlorobenzene	ND	4	4.6	114	-	-	70-130	-	20
Trichlorofluoromethane	ND	4	4.1	103	-	-	70-130	-	20
1,2-Dichloroethane	ND	4	4.4	109	-	-	70-130	-	20
1,1,1-Trichloroethane	ND	4	4.6	114	-	-	70-130	-	20
Bromodichloromethane	ND	4	4.2	105	-	-	70-130	-	20
trans-1,3-Dichloropropene	ND	4	3.4	85	-	-	70-130	-	20
cis-1,3-Dichloropropene	ND	4	3.6	90	-	-	70-130	-	20
Bromoform	ND	4	3.8	96	-	-	70-130	-	20
1,1,2,2-Tetrachloroethane	ND	4	3.9	98	-	-	70-130	-	20
Benzene	ND	4	4.5	112	-	-	70-130	-	20
Toluene	ND	4	4.8	121	-	-	70-130	-	20
Ethylbenzene	ND	4	4.8	120	-	-	70-130	-	20
p/m-Xylene	ND	8	9.7	121	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-1 QC Sample: L0805753-01 Client ID: MS Sample									
Chloromethane	ND	4	4.3	107	-	-	70-130	-	20
Bromomethane	ND	4	4.0	101	-	-	70-130	-	20
Vinyl chloride	ND	4	4.7	118	-	-	70-130	-	20
Chloroethane	ND	4	4.6	115	-	-	70-130	-	20
1,1-Dichloroethene	ND	4	4.3	107	-	-	70-130	-	20
trans-1,2-Dichloroethene	ND	4	4.2	104	-	-	70-130	-	20
cis-1,2-Dichloroethene	ND	4	4.5	112	-	-	70-130	-	20
Trichloroethene	ND	4	4.2	106	-	-	70-130	-	20
1,2-Dichlorobenzene	ND	4	4.0	101	-	-	70-130	-	20
1,3-Dichlorobenzene	ND	4	4.1	104	-	-	70-130	-	20
1,4-Dichlorobenzene	ND	4	4.0	101	-	-	70-130	-	20
Styrene	ND	4	4.6	115	-	-	70-130	-	20
o-Xylene	ND	4	4.7	118	-	-	70-130	-	20
1,1-Dichloropropene	ND	4	4.5	112	-	-	70-130	-	20
2,2-Dichloropropane	ND	4	3.8	95	-	-	70-130	-	20
1,1,1,2-Tetrachloroethane	ND	4	4.3	109	-	-	70-130	-	20
1,2,3-Trichloropropane	ND	4	3.9	98	-	-	70-130	-	20
Bromochloromethane	ND	4	4.2	105	-	-	70-130	-	20
n-Butylbenzene	ND	4	4.3	108	-	-	70-130	-	20
Dichlorodifluoromethane	ND	4	4.8	120	-	-	70-130	-	20
Hexachlorobutadiene	ND	4	4.1	102	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-1 QC Sample: L0805753-01 Client ID: MS Sample									
Isopropylbenzene	ND	4	4.5	113	-	-	70-130	-	20
p-Isopropyltoluene	ND	4	4.5	113	-	-	70-130	-	20
Naphthalene	ND	4	3.6	89	-	-	70-130	-	20
n-Propylbenzene	ND	4	4.9	123	-	-	70-130	-	20
sec-Butylbenzene	ND	4	4.8	120	-	-	70-130	-	20
tert-Butylbenzene	ND	4	4.9	123	-	-	70-130	-	20
1,2,3-Trichlorobenzene	ND	4	3.7	92	-	-	70-130	-	20
1,2,4-Trichlorobenzene	ND	4	3.7	92	-	-	70-130	-	20
1,2,4-Trimethylbenzene	ND	4	4.6	114	-	-	70-130	-	20
1,3,5-Trimethylbenzene	ND	4	4.9	122	-	-	70-130	-	20
Bromobenzene	ND	4	4.4	110	-	-	70-130	-	20
o-Chlorotoluene	ND	4	4.7	118	-	-	70-130	-	20
p-Chlorotoluene	ND	4	4.4	111	-	-	70-130	-	20
Dibromomethane	ND	4	4.1	102	-	-	70-130	-	20
1,2-Dibromoethane	ND	4	3.9	98	-	-	70-130	-	20
1,2-Dibromo-3-chloropropane	ND	4	3.7	92	-	-	70-130	-	20
1,3-Dichloropropane	ND	4	4.0	100	-	-	70-130	-	20
Methyl tert butyl ether	ND	4	3.6	90	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-1 QC Sample: L0805753-01 Client ID: MS Sample

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101				80-120
4-Bromofluorobenzene	104				80-120

Matrix Spike Analysis **Batch Quality Control**

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-1 QC Sample: L0806023-02 Client ID: RIZ-9-042808									
Methylene chloride	ND	4	4.5	113	-	-	70-130	-	20
1,1-Dichloroethane	ND	4	4.6	116	-	-	70-130	-	20
Chloroform	ND	4	4.6	115	-	-	70-130	-	20
Carbon tetrachloride	ND	4	4.7	119	-	-	70-130	-	20
1,2-Dichloropropane	ND	4	4.6	115	-	-	70-130	-	20
Dibromochloromethane	ND	4	4.1	103	-	-	70-130	-	20
1,1,2-Trichloroethane	ND	4	4.3	107	-	-	70-130	-	20
Tetrachloroethene	ND	4	5.0	124	-	-	70-130	-	20
Chlorobenzene	ND	4	4.5	113	-	-	70-130	-	20
Trichlorofluoromethane	ND	4	4.2	106	-	-	70-130	-	20
1,2-Dichloroethane	ND	4	4.5	113	-	-	70-130	-	20
1,1,1-Trichloroethane	ND	4	4.8	119	-	-	70-130	-	20
Bromodichloromethane	ND	4	4.5	112	-	-	70-130	-	20
trans-1,3-Dichloropropene	ND	4	3.6	91	-	-	70-130	-	20
cis-1,3-Dichloropropene	ND	4	3.9	98	-	-	70-130	-	20
Bromoform	ND	4	3.8	95	-	-	70-130	-	20
1,1,2,2-Tetrachloroethane	ND	4	3.8	96	-	-	70-130	-	20
Benzene	ND	4	5.0	125	-	-	70-130	-	20
Toluene	ND	4	5.2	130	-	-	70-130	-	20
Ethylbenzene	ND	4	4.7	117	-	-	70-130	-	20
p/m-Xylene	ND	8	9.6	120	-	-	70-130	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-1 QC Sample: L0806023-02 Client ID: RIZ-9-042808									
Chloromethane	ND	4	4.4	110	-	-	70-130	-	20
Bromomethane	ND	4	4.2	106	-	-	70-130	-	20
Vinyl chloride	ND	4	4.9	122	-	-	70-130	-	20
Chloroethane	ND	4	4.9	123	-	-	70-130	-	20
1,1-Dichloroethene	ND	4	4.6	114	-	-	70-130	-	20
trans-1,2-Dichloroethene	ND	4	4.5	113	-	-	70-130	-	20
cis-1,2-Dichloroethene	ND	4	4.5	113	-	-	70-130	-	20
Trichloroethene	ND	4	4.5	112	-	-	70-130	-	20
1,2-Dichlorobenzene	ND	4	3.9	97	-	-	70-130	-	20
1,3-Dichlorobenzene	ND	4	4.0	99	-	-	70-130	-	20
1,4-Dichlorobenzene	ND	4	3.9	97	-	-	70-130	-	20
Styrene	ND	4	4.6	114	-	-	70-130	-	20
o-Xylene	ND	4	4.6	116	-	-	70-130	-	20
1,1-Dichloropropene	ND	4	4.7	118	-	-	70-130	-	20
2,2-Dichloropropane	ND	4	4.3	108	-	-	70-130	-	20
1,1,1,2-Tetrachloroethane	ND	4	4.2	106	-	-	70-130	-	20
1,2,3-Trichloropropane	ND	4	3.9	98	-	-	70-130	-	20
Bromochloromethane	ND	4	4.4	111	-	-	70-130	-	20
n-Butylbenzene	ND	4	4.1	103	-	-	70-130	-	20
Dichlorodifluoromethane	ND	4	4.9	122	-	-	70-130	-	20
Hexachlorobutadiene	ND	4	4.1	102	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-1 QC Sample: L0806023-02 Client ID: RIZ-9-042808									
Isopropylbenzene	ND	4	4.4	111	-	-	70-130	-	20
p-Isopropyltoluene	ND	4	4.3	109	-	-	70-130	-	20
Naphthalene	ND	4	3.3	83	-	-	70-130	-	20
n-Propylbenzene	ND	4	4.8	120	-	-	70-130	-	20
sec-Butylbenzene	ND	4	4.7	117	-	-	70-130	-	20
tert-Butylbenzene	ND	4	4.8	120	-	-	70-130	-	20
1,2,3-Trichlorobenzene	ND	4	3.6	90	-	-	70-130	-	20
1,2,4-Trichlorobenzene	ND	4	3.5	87	-	-	70-130	-	20
1,2,4-Trimethylbenzene	ND	4	4.4	110	-	-	70-130	-	20
1,3,5-Trimethylbenzene	ND	4	4.8	119	-	-	70-130	-	20
Bromobenzene	ND	4	4.3	108	-	-	70-130	-	20
o-Chlorotoluene	ND	4	4.6	115	-	-	70-130	-	20
p-Chlorotoluene	ND	4	4.3	108	-	-	70-130	-	20
Dibromomethane	ND	4	4.4	111	-	-	70-130	-	20
1,2-Dibromoethane	ND	4	3.8	96	-	-	70-130	-	20
1,2-Dibromo-3-chloropropane	ND	4	3.2	81	-	-	70-130	-	20
1,3-Dichloropropane	ND	4	4.3	107	-	-	70-130	-	20
Methyl tert butyl ether	ND	4	4.3	107	-	-	70-130	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-1 QC Sample: L0806023-02 Client ID: RIZ-9-042808

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	98				80-120
4-Bromofluorobenzene	103				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-2 QC Sample: L0805753-02 Client ID: DUP Sample					
Methylene chloride	ND	ND	ug/l	NC	20
1,1-Dichloroethane	ND	ND	ug/l	NC	20
Chloroform	ND	ND	ug/l	NC	20
Carbon tetrachloride	ND	ND	ug/l	NC	20
1,2-Dichloropropane	ND	ND	ug/l	NC	20
Dibromochloromethane	ND	ND	ug/l	NC	20
1,1,2-Trichloroethane	ND	ND	ug/l	NC	20
Tetrachloroethene	ND	ND	ug/l	NC	20
Chlorobenzene	ND	ND	ug/l	NC	20
Trichlorofluoromethane	ND	ND	ug/l	NC	20
1,2-Dichloroethane	ND	ND	ug/l	NC	20
1,1,1-Trichloroethane	ND	ND	ug/l	NC	20
Bromodichloromethane	ND	ND	ug/l	NC	20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	20
Bromoform	ND	ND	ug/l	NC	20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	20
Benzene	ND	ND	ug/l	NC	20
Toluene	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-2 QC Sample: L0805753-02 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-2 QC Sample: L0805753-02 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01,04-08 QC Batch ID: WG319665-2 QC Sample: L0805753-02 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	115		115		80-120
4-Bromofluorobenzene	87		88		80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-2 QC Sample: L0806023-03 Client ID: MW-3-042808					
Methylene chloride	ND	ND	ug/l	NC	20
1,1-Dichloroethane	ND	ND	ug/l	NC	20
Chloroform	ND	ND	ug/l	NC	20
Carbon tetrachloride	ND	ND	ug/l	NC	20
1,2-Dichloropropane	ND	ND	ug/l	NC	20
Dibromochloromethane	ND	ND	ug/l	NC	20
1,1,2-Trichloroethane	ND	ND	ug/l	NC	20
Tetrachloroethene	ND	ND	ug/l	NC	20
Chlorobenzene	ND	ND	ug/l	NC	20
Trichlorofluoromethane	ND	ND	ug/l	NC	20
1,2-Dichloroethane	ND	ND	ug/l	NC	20
1,1,1-Trichloroethane	ND	ND	ug/l	NC	20
Bromodichloromethane	ND	ND	ug/l	NC	20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	20
Bromoform	ND	ND	ug/l	NC	20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	20
Benzene	ND	ND	ug/l	NC	20
Toluene	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-2 QC Sample: L0806023-03 Client ID: MW-3-042808					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-2 QC Sample: L0806023-03 Client ID: MW-3-042808					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 02-03 QC Batch ID: WG320296-2 QC Sample: L0806023-03 Client ID: MW-3-042808					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	112		111		80-120
4-Bromofluorobenzene	90		88		80-120

METALS

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-01

Date Collected: 04/28/08 09:10

Client ID: RIZ-10-042808

Date Received: 04/29/08

Sample Location: WALPOLE, MA

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:28	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.062		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 13:48	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:28	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 17:28	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-02
 Client ID: RIZ-9-042808
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 04/28/08 10:12
 Date Received: 04/29/08
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:34	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.021		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 13:55	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:34	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 17:59	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-03
 Client ID: MW-3-042808
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 04/28/08 11:20
 Date Received: 04/29/08
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:40	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.010		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 13:57	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:40	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 18:03	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-04
 Client ID: RIZ-8-042808
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 04/28/08 12:15
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:45	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.025		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 13:58	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 22:45	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 18:06	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-05
 Client ID: RIZ-8S-042808
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 04/28/08 12:30
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 23:07	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.054		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 14:00	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 23:07	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 18:10	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-06
 Client ID: GHC-6-042808
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 04/28/08 14:36
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 23:13	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.059		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 14:02	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 23:13	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 18:14	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0806023**Project Number:** 12700058-003**Report Date:** 05/05/08**SAMPLE RESULTS**

Lab ID: L0806023-07
 Client ID: MW-2-042808
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 04/28/08 14:52
 Date Received: 04/29/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Antimony, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 23:18	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.031		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 14:04	EPA 7470A	64,7470A	RC
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	04/30/08 12:00	05/01/08 23:18	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 18:17	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-07 Batch: WG320004-1									
Arsenic, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.005	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Nickel, Dissolved	ND		mg/l	0.025	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Vanadium, Dissolved	ND		mg/l	0.010	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	04/30/08 12:00	05/02/08 15:41	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-07 Batch: WG320013-1									
Antimony, Dissolved	ND		mg/l	0.0005	1	04/30/08 12:00	05/01/08 21:28	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	1	04/30/08 12:00	05/01/08 21:28	64,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-07 Batch: WG320203-1									
Mercury, Dissolved	ND		mg/l	0.0002	1	05/01/08 18:00	05/02/08 13:25	64,7470A	RC

Project Name: WALPOLE PARK SOUTH

Lab Number: L0806023

Project Number: 12700058-003

Report Date: 05/05/08

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-07 Batch: WG320004-2 WG320004-3					
Arsenic, Dissolved	107	106	80-120	1	20
Barium, Dissolved	94	92	80-120	2	20
Beryllium, Dissolved	97	95	80-120	2	20
Cadmium, Dissolved	108	106	80-120	2	20
Chromium, Dissolved	95	95	80-120	0	20
Lead, Dissolved	97	95	80-120	2	20
Nickel, Dissolved	96	95	80-120	1	20
Selenium, Dissolved	103	103	80-120	0	20
Silver, Dissolved	94	92	80-120	2	20
Vanadium, Dissolved	98	96	80-120	2	20
Zinc, Dissolved	96	93	80-120	3	20
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-07 Batch: WG320013-2 WG320013-3					
Antimony, Dissolved	93	96	80-120	3	20
Thallium, Dissolved	96	97	80-120	1	20
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-07 Batch: WG320203-2 WG320203-3					
Mercury, Dissolved	109	105	80-120	4	20

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L0806023

Report Date: 05/05/08

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0806023-01A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-01B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-01C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-02A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-02B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-02C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-03A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-03B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-03C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-04A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-04B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-04C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-05A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2

Project Name: WALPOLE PARK SOUTH**Project Number:** 12700058-003**Lab Number:** L0806023**Report Date:** 05/05/08**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0806023-05B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-05C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-06A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-06B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-06C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-07A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-07B	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2
L0806023-07C	Plastic 500ml HNO3 preserved	A	<2	4 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-NI-6010S,MCP-PB-6010S,MCP-TL-6020S,MCP-V-6010S,MCP-SB-6020S,MCP-7470S,MCP-BE-6010S,MCP-ZN-6010S,MCP-BA-6010S,MCP-SE-6010S
L0806023-08A	Vial HCl preserved	A	NA	4 C	Y	Absent	524.2

Container Comments

L0806023-01A	IR Gun
L0806023-01B	IR Gun
L0806023-01C	IR Gun
L0806023-02A	IR Gun
L0806023-02B	IR Gun
L0806023-02C	IR Gun
L0806023-03A	IR Gun
L0806023-03B	IR Gun
L0806023-03C	IR Gun

Project Name: WALPOLE PARK SOUTH**Project Number:** 12700058-003**Lab Number:** L0806023**Report Date:** 05/05/08**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
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Container Comments

L0806023-04A	IR Gun
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L0806023-04B	IR Gun
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L0806023-04C	IR Gun
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L0806023-05A	IR Gun
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L0806023-05B	IR Gun
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L0806023-05C	IR Gun
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L0806023-06A	IR Gun
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L0806023-06B	IR Gun
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L0806023-06C	IR Gun
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L0806023-07A	IR Gun
--------------	--------

L0806023-07B	IR Gun
--------------	--------

L0806023-07C	IR Gun
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L0806023-08A	IR Gun
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Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD- Laboratory Control Sample Duplicate: Refer to LCS.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NI - Not Ignitable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- ND - Not detected at the reported detection limit for the sample.
- RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058-003

Lab Number: L0806023
Report Date: 05/05/08

REFERENCES

- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.
- 64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





ANALYTICAL REPORT

Lab Number: L0806993

Client: Tetra Tech Rizzo
1 Grant Street
Framingham, MA 01701-9005

ATTN: Ian Cannan

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Report Date: 05/21/08

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

Alpha Sample ID	Client ID	Sample Location
L0806993-01	RIZ-3-051408	WALPOLE, MA
L0806993-02	MW-9-051408	WALPOLE, MA

Project Name: WAPOLE PARK SOUTH

Lab Number: L0806993

Project Number: 12700053

Report Date: 05/21/08

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

MCP Related Narratives

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Metals

In reference to question F:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 05/21/08

ORGANICS

VOLATILES

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**SAMPLE RESULTS**

Lab ID: L0806993-01
 Client ID: RIZ-3-051408
 Sample Location: WALPOLE, MA
 Matrix: Water
 Analytical Method: 16,524.2
 Analytical Date: 05/15/08 14:26
 Analyst: MM

Date Collected: 05/14/08 13:10
 Date Received: 05/14/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS 524.2

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**SAMPLE RESULTS**

Lab ID: L0806993-01
 Client ID: RIZ-3-051408
 Sample Location: WALPOLE, MA

Date Collected: 05/14/08 13:10
 Date Received: 05/14/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	112		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**SAMPLE RESULTS**

Lab ID: L0806993-02
Client ID: MW-9-051408
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 05/15/08 14:58
Analyst: MM

Date Collected: 05/14/08 13:42
Date Received: 05/14/08
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	0.71		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**SAMPLE RESULTS**

Lab ID: L0806993-02
 Client ID: MW-9-051408
 Sample Location: WALPOLE, MA

Date Collected: 05/14/08 13:42
 Date Received: 05/14/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS 524.2					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	7.9		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	115		80-120
4-Bromofluorobenzene	90		80-120

Project Name: WAPOLE PARK SOUTH

Lab Number: L0806993

Project Number: 12700053

Report Date: 05/21/08

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 05/15/08 12:14
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 01-02 Batch: WG321926-6				

Methylene chloride	ND		ug/l	0.50
1,1-Dichloroethane	ND		ug/l	0.50
Chloroform	ND		ug/l	0.50
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	0.50
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.50
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	0.50
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.50
Ethylbenzene	ND		ug/l	0.50
p/m-Xylene	ND		ug/l	0.50
Chloromethane	ND		ug/l	0.50
Bromomethane	ND		ug/l	0.50
Vinyl chloride	ND		ug/l	0.50
Chloroethane	ND		ug/l	0.50
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.50
cis-1,2-Dichloroethene	ND		ug/l	0.50
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	0.50
1,3-Dichlorobenzene	ND		ug/l	0.50

Project Name: WAPOLE PARK SOUTH

Lab Number: L0806993

Project Number: 12700053

Report Date: 05/21/08

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 05/15/08 12:14
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 01-02 Batch: WG321926-6				

1,4-Dichlorobenzene	ND		ug/l	0.50
Styrene	ND		ug/l	0.50
o-Xylene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	0.50
2,2-Dichloropropane	ND		ug/l	0.50
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
1,2,3-Trichloropropane	ND		ug/l	0.50
Bromochloromethane	ND		ug/l	0.50
n-Butylbenzene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	0.50
Hexachlorobutadiene	ND		ug/l	0.50
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	0.50
n-Propylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	0.50
1,2,3-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trimethylbenzene	ND		ug/l	0.50
1,3,5-Trimethylbenzene	ND		ug/l	0.50
Bromobenzene	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	0.50
p-Chlorotoluene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	0.50
1,2-Dibromoethane	ND		ug/l	0.50
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50
1,3-Dichloropropane	ND		ug/l	0.50
Methyl tert butyl ether	ND		ug/l	0.50

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2
Analytical Date: 05/15/08 12:14
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS 524.2 for sample(s): 01-02 Batch: WG321926-6				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	114		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 Batch: WG321926-5					
Methylene chloride	107	-	70-130	-	
1,1-Dichloroethane	115	-	70-130	-	
Chloroform	115	-	70-130	-	
Carbon tetrachloride	106	-	70-130	-	
1,2-Dichloropropane	117	-	70-130	-	
Dibromochloromethane	100	-	70-130	-	
1,1,2-Trichloroethane	110	-	70-130	-	
Tetrachloroethene	121	-	70-130	-	
Chlorobenzene	108	-	70-130	-	
Trichlorofluoromethane	94	-	70-130	-	
1,2-Dichloroethane	111	-	70-130	-	
1,1,1-Trichloroethane	111	-	70-130	-	
Bromodichloromethane	112	-	70-130	-	
trans-1,3-Dichloropropene	93	-	70-130	-	
cis-1,3-Dichloropropene	102	-	70-130	-	
Bromoform	85	-	70-130	-	
1,1,2,2-Tetrachloroethane	91	-	70-130	-	
Benzene	126	-	70-130	-	
Toluene	130	-	70-130	-	
Ethylbenzene	109	-	70-130	-	
p/m-Xylene	111	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 Batch: WG321926-5					
Chloromethane	97	-	70-130	-	
Bromomethane	105	-	70-130	-	
Vinyl chloride	110	-	70-130	-	
Chloroethane	118	-	70-130	-	
1,1-Dichloroethene	107	-	70-130	-	
trans-1,2-Dichloroethene	111	-	70-130	-	
cis-1,2-Dichloroethene	115	-	70-130	-	
Trichloroethene	110	-	70-130	-	
1,2-Dichlorobenzene	91	-	70-130	-	
1,3-Dichlorobenzene	94	-	70-130	-	
1,4-Dichlorobenzene	91	-	70-130	-	
Styrene	108	-	70-130	-	
o-Xylene	110	-	70-130	-	
1,1-Dichloropropene	115	-	70-130	-	
2,2-Dichloropropane	107	-	70-130	-	
1,1,1,2-Tetrachloroethane	97	-	70-130	-	
1,2,3-Trichloropropane	94	-	70-130	-	
Bromochloromethane	114	-	70-130	-	
n-Butylbenzene	93	-	70-130	-	
Dichlorodifluoromethane	96	-	70-130	-	
Hexachlorobutadiene	92	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 Batch: WG321926-5					
Isopropylbenzene	101	-	70-130	-	
p-Isopropyltoluene	100	-	70-130	-	
Naphthalene	77	-	70-130	-	
n-Propylbenzene	110	-	70-130	-	
sec-Butylbenzene	105	-	70-130	-	
tert-Butylbenzene	109	-	70-130	-	
1,2,3-Trichlorobenzene	82	-	70-130	-	
1,2,4-Trichlorobenzene	79	-	70-130	-	
1,2,4-Trimethylbenzene	101	-	70-130	-	
1,3,5-Trimethylbenzene	110	-	70-130	-	
Bromobenzene	101	-	70-130	-	
o-Chlorotoluene	106	-	70-130	-	
p-Chlorotoluene	101	-	70-130	-	
Dibromomethane	111	-	70-130	-	
1,2-Dibromoethane	92	-	70-130	-	
1,2-Dibromo-3-chloropropane	76	-	70-130	-	
1,3-Dichloropropane	111	-	70-130	-	
Methyl tert butyl ether	107	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 Batch: WG321926-5

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	100				80-120
4-Bromofluorobenzene	105				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-1 QC Sample: L0806945-01 Client ID: MS Sample									
Methylene chloride	ND	4	4.1	103	-	-	70-130	-	20
1,1-Dichloroethane	ND	4	4.8	120	-	-	70-130	-	20
Chloroform	ND	4	4.7	117	-	-	70-130	-	20
Carbon tetrachloride	ND	4	4.7	119	-	-	70-130	-	20
1,2-Dichloropropane	ND	4	4.7	118	-	-	70-130	-	20
Dibromochloromethane	ND	4	4.2	106	-	-	70-130	-	20
1,1,2-Trichloroethane	ND	4	4.4	111	-	-	70-130	-	20
Tetrachloroethene	ND	4	5.1	128	-	-	70-130	-	20
Chlorobenzene	ND	4	4.3	108	-	-	70-130	-	20
Trichlorofluoromethane	ND	4	4.3	107	-	-	70-130	-	20
1,2-Dichloroethane	ND	4	4.6	115	-	-	70-130	-	20
1,1,1-Trichloroethane	ND	4	4.9	122	-	-	70-130	-	20
Bromodichloromethane	ND	4	4.6	115	-	-	70-130	-	20
trans-1,3-Dichloropropene	ND	4	3.8	94	-	-	70-130	-	20
cis-1,3-Dichloropropene	ND	4	4.1	103	-	-	70-130	-	20
Bromoform	ND	4	3.6	90	-	-	70-130	-	20
1,1,2,2-Tetrachloroethane	ND	4	3.6	90	-	-	70-130	-	20
Benzene	ND	4	5.2	130	-	-	70-130	-	20
Toluene	ND	4	5.2	130	-	-	70-130	-	20
Ethylbenzene	ND	4	4.5	113	-	-	70-130	-	20
p/m-Xylene	ND	8	9.2	115	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-1 QC Sample: L0806945-01 Client ID: MS Sample									
Chloromethane	ND	4	4.0	100	-	-	70-130	-	20
Bromomethane	ND	4	4.4	111	-	-	70-130	-	20
Vinyl chloride	ND	4	4.9	123	-	-	70-130	-	20
Chloroethane	ND	4	5.0	125	-	-	70-130	-	20
1,1-Dichloroethene	ND	4	4.7	117	-	-	70-130	-	20
trans-1,2-Dichloroethene	ND	4	4.6	114	-	-	70-130	-	20
cis-1,2-Dichloroethene	ND	4	4.8	119	-	-	70-130	-	20
Trichloroethene	ND	4	4.6	116	-	-	70-130	-	20
1,2-Dichlorobenzene	ND	4	3.8	94	-	-	70-130	-	20
1,3-Dichlorobenzene	ND	4	3.9	96	-	-	70-130	-	20
1,4-Dichlorobenzene	ND	4	3.8	94	-	-	70-130	-	20
Styrene	ND	4	4.4	110	-	-	70-130	-	20
o-Xylene	ND	4	4.4	111	-	-	70-130	-	20
1,1-Dichloropropene	ND	4	5.0	126	-	-	70-130	-	20
2,2-Dichloropropane	ND	4	4.5	113	-	-	70-130	-	20
1,1,1,2-Tetrachloroethane	ND	4	4.0	100	-	-	70-130	-	20
1,2,3-Trichloropropane	ND	4	3.6	90	-	-	70-130	-	20
Bromochloromethane	ND	4	4.6	115	-	-	70-130	-	20
n-Butylbenzene	ND	4	4.0	101	-	-	70-130	-	20
Dichlorodifluoromethane	ND	4	4.5	112	-	-	70-130	-	20
Hexachlorobutadiene	ND	4	4.0	100	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-1 QC Sample: L0806945-01 Client ID: MS Sample									
Isopropylbenzene	ND	4	4.2	106	-	-	70-130	-	20
p-Isopropyltoluene	ND	4	4.3	107	-	-	70-130	-	20
Naphthalene	ND	4	3.1	78	-	-	70-130	-	20
n-Propylbenzene	ND	4	4.6	116	-	-	70-130	-	20
sec-Butylbenzene	ND	4	4.5	113	-	-	70-130	-	20
tert-Butylbenzene	ND	4	4.6	116	-	-	70-130	-	20
1,2,3-Trichlorobenzene	ND	4	3.4	84	-	-	70-130	-	20
1,2,4-Trichlorobenzene	ND	4	3.3	83	-	-	70-130	-	20
1,2,4-Trimethylbenzene	ND	4	4.3	107	-	-	70-130	-	20
1,3,5-Trimethylbenzene	ND	4	4.6	115	-	-	70-130	-	20
Bromobenzene	ND	4	4.1	103	-	-	70-130	-	20
o-Chlorotoluene	ND	4	4.3	109	-	-	70-130	-	20
p-Chlorotoluene	ND	4	4.2	104	-	-	70-130	-	20
Dibromomethane	ND	4	4.4	110	-	-	70-130	-	20
1,2-Dibromoethane	ND	4	3.6	91	-	-	70-130	-	20
1,2-Dibromo-3-chloropropane	ND	4	3.1	77	-	-	70-130	-	20
1,3-Dichloropropane	ND	4	4.4	109	-	-	70-130	-	20
Methyl tert butyl ether	ND	4	4.2	105	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-1 QC Sample: L0806945-01 Client ID: MS Sample

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	99				80-120
4-Bromofluorobenzene	101				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-2 QC Sample: L0806945-02 Client ID: DUP Sample					
Methylene chloride	ND	ND	ug/l	NC	20
1,1-Dichloroethane	ND	ND	ug/l	NC	20
Chloroform	ND	ND	ug/l	NC	20
Carbon tetrachloride	ND	ND	ug/l	NC	20
1,2-Dichloropropane	ND	ND	ug/l	NC	20
Dibromochloromethane	ND	ND	ug/l	NC	20
1,1,2-Trichloroethane	ND	ND	ug/l	NC	20
Tetrachloroethene	ND	ND	ug/l	NC	20
Chlorobenzene	ND	ND	ug/l	NC	20
Trichlorofluoromethane	ND	ND	ug/l	NC	20
1,2-Dichloroethane	ND	ND	ug/l	NC	20
1,1,1-Trichloroethane	ND	ND	ug/l	NC	20
Bromodichloromethane	ND	ND	ug/l	NC	20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	20
Bromoform	ND	ND	ug/l	NC	20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	20
Benzene	ND	ND	ug/l	NC	20
Toluene	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-2 QC Sample: L0806945-02 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-2 QC Sample: L0806945-02 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 Associated sample(s): 01-02 QC Batch ID: WG321926-2 QC Sample: L0806945-02 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	113		111		80-120
4-Bromofluorobenzene	92		91		80-120

METALS

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**SAMPLE RESULTS**

Lab ID: L0806993-01

Date Collected: 05/14/08 13:10

Client ID: RIZ-3-051408

Date Received: 05/14/08

Sample Location: WALPOLE, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Arsenic, Dissolved	ND		mg/l	0.005	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.044		mg/l	0.010	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/20/08 15:00	05/21/08 12:09	EPA 7470A	64,7470A	RC
Selenium, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	05/15/08 18:30	05/19/08 16:07	EPA 3005A	60,6010B	AI

Project Name: WAPOLE PARK SOUTH**Lab Number:** L0806993**Project Number:** 12700053**Report Date:** 05/21/08**SAMPLE RESULTS**

Lab ID: L0806993-02
 Client ID: MW-9-051408
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 05/14/08 13:42
 Date Received: 05/14/08
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Arsenic, Dissolved	ND		mg/l	0.005	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.013		mg/l	0.010	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	05/20/08 15:00	05/21/08 12:10	EPA 7470A	64,7470A	RC
Selenium, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	05/15/08 18:30	05/19/08 16:10	EPA 3005A	60,6010B	AI



Project Name: WAPOLE PARK SOUTH

Lab Number: L0806993

Project Number: 12700053

Report Date: 05/21/08

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-02 Batch: WG322026-1									
Arsenic, Dissolved	ND		mg/l	0.005	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	05/15/08 18:30	05/19/08 15:12	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-02 Batch: WG322565-1									
Mercury, Dissolved	ND		mg/l	0.0002	1	05/20/08 15:00	05/21/08 11:44	64,7470A	RC

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0806993

Report Date: 05/21/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-02 Batch: WG322026-2 WG322026-3					
Arsenic, Dissolved	101	104	80-120	3	20
Barium, Dissolved	90	92	80-120	2	20
Cadmium, Dissolved	104	106	80-120	2	20
Chromium, Dissolved	90	95	80-120	5	20
Lead, Dissolved	94	96	80-120	2	20
Selenium, Dissolved	95	103	80-120	8	20
Silver, Dissolved	94	95	80-120	1	20
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-02 Batch: WG322565-2 WG322565-3					
Mercury, Dissolved	104	106	80-120	4	20

Project Name: WAPOLE PARK SOUTH**Project Number:** 12700053**Lab Number:** L0806993**Report Date:** 05/21/08**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0806993-01A	Vial HCl preserved	A	N/A	4.6 C	Y	Absent	524.2
L0806993-01B	Vial HCl preserved	A	N/A	4.6 C	Y	Absent	524.2
L0806993-01C	Plastic 500ml HNO3 preserved	A	<2	4.6 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-PB-6010S,MCP-7470S,MCP-BA-6010S,MCP-SE-6010S
L0806993-02A	Vial HCl preserved	A	N/A	4.6 C	Y	Absent	524.2
L0806993-02B	Vial HCl preserved	A	N/A	4.6 C	Y	Absent	524.2
L0806993-02C	Plastic 500ml HNO3 preserved	A	<2	4.6 C	Y	Absent	MCP-CR-6010S,MCP-AG-6010S,MCP-AS-6010S,MCP-CD-6010S,MCP-PB-6010S,MCP-7470S,MCP-BA-6010S,MCP-SE-6010S

Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD- Laboratory Control Sample Duplicate: Refer to LCS.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NI - Not Ignitable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- ND - Not detected at the reported detection limit for the sample.
- RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Report Format: Not Specified



Project Name: WAPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0806993
Report Date: 05/21/08

REFERENCES

- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.
- 64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Report Date:
26-Nov-08 14:04



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Tetra Tech Rizzo
One Grant Street - P.O. Box 9005
Framingham, MA 01701
Attn: Ray Johnson

Project: Walpole Park South-Walpole, MA
Project 12700058

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA87371-01	RIZ-10-GW	Ground Water	11-Nov-08 14:35	12-Nov-08 17:15
SA87371-02	RIZ-8-GW	Ground Water	11-Nov-08 13:50	12-Nov-08 17:15
SA87371-03	RIZ-3-GW	Ground Water	11-Nov-08 15:40	12-Nov-08 17:15
SA87371-04	MW-9-GW	Ground Water	11-Nov-08 11:50	12-Nov-08 17:15
SA87371-05	MW-2-GW	Ground Water	11-Nov-08 09:50	12-Nov-08 17:15
SA87371-06	RIZ-9-GW	Ground Water	11-Nov-08 11:00	12-Nov-08 17:15
SA87371-07	MW-3-GW	Ground Water	11-Nov-08 08:35	12-Nov-08 17:15
SA87371-08	GHC-6-GW	Ground Water	11-Nov-08 09:20	12-Nov-08 17:15
SA87371-09	Trip Blank 111108	Aqueous	11-Nov-08 00:00	12-Nov-08 17:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 43 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 3.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 624

Laboratory Control Samples:

8111076-BSD1

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

1,1,1-Trichloroethane
1,1-Dichloroethene
Carbon tetrachloride
Trichlorofluoromethane (Freon 11)
Vinyl chloride

8111194-BSD1

Analyte out of acceptance range.

2-Hexanone (MBK)
Vinyl chloride

Spikes:

8111194-MS1 *Source: SA87191-03*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1-Dichloroethene
Benzene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene

8111194-MSD1 *Source: SA87191-03*

Analyte out of acceptance range.

Toluene

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1-Dichloroethene
Benzene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene

8111291-MS1 *Source: SA87501-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Carbon tetrachloride

8111291-MSD1 *Source: SA87501-01*

Analyte out of acceptance range.

1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Benzene
Bromodichloromethane
Bromoform
Chlorobenzene
Chloroform
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Toluene
trans-1,3-Dichloropropene

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Carbon tetrachloride

SW846 6010B

Duplicates:

8111042-DUP1 *Source: SA87401-01*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Lead

Sample Identification**RIZ-10-GW**

SA87371-01

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 14:35

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111077	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	105			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	100			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	107			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	106			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	88.4		µg/l	5.0	1	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 5 of 43

Sample Identification
RIZ-10-GW
SA87371-01

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 14:35

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	11.6		µg/l	5.0	1	"	"	"	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	"	"	
7440-66-6	Zinc	36.3		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

Sample Identification**RIZ-8-GW**

SA87371-02

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 13:50

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	18-Nov-08	18-Nov-08	8111291	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	86			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	97			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	107			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	112			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	27.6		µg/l	5.0	1	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
RIZ-8-GW
SA87371-02

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 13:50

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	"	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	"	"	
7440-66-6	Zinc	26.4		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

Sample Identification**RIZ-3-GW**

SA87371-03

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 15:40

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111077	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	104			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	99			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	114			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	109			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	86.2		µg/l	5.0	1	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
RIZ-3-GW
 SA87371-03

Client Project #
 12700058

Matrix
 Ground Water

Collection Date/Time
 11-Nov-08 15:40

Received
 12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	24-Nov-08	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	21-Nov-08	"	
7440-66-6	Zinc	21.0		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification**MW-9-GW**

SA87371-04

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 11:50

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111077	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	2.2		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	2.7		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	103			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	100			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	113			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	110			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	18.6		µg/l	5.0	1	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
MW-9-GW
SA87371-04

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 11:50

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	"	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	"	"	
7440-66-6	Zinc	34.7		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification**MW-2-GW**

SA87371-05

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 09:50

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111077	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	104			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	99			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	111			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	109			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	129		µg/l	5.0	1	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
MW-2-GW
SA87371-05

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 09:50

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	"	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	"	"	
7440-66-6	Zinc	28.0		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 14 of 43

Sample Identification**RIZ-9-GW**

SA87371-06

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 11:00

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111077	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	101			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	99			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	111			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	109			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	14.8		µg/l	5.0	1	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
RIZ-9-GW
SA87371-06

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 11:00

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	24-Nov-08	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	21-Nov-08	"	
7440-66-6	Zinc	20.0		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

Sample Identification

MW-3-GW

SA87371-07

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 08:35

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	17-Nov-08	17-Nov-08	8111194	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	81			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	95			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	127			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	119			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	11.4		µg/l	5.0	1	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
MW-3-GW
SA87371-07

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 08:35

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	8.8		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	"	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	"	"	
7440-66-6	Zinc	34.5		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

Sample Identification**GHC-6-GW**

SA87371-08

Client Project #

12700058

Matrix

Ground Water

Collection Date/Time

11-Nov-08 09:20

Received

12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111076	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	84			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	95			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	127			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	120			70-130 %		"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods											
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A	14-Nov-08	14-Nov-08	8111039	
Soluble Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		µg/l	5.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-38-2	Arsenic	BRL		µg/l	4.0	1	"	"	"	"	
7440-39-3	Barium	36.8		µg/l	5.0	1	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
GHC-6-GW
SA87371-08

Client Project #
12700058

Matrix
Ground Water

Collection Date/Time
11-Nov-08 09:20

Received
12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Soluble Metals by EPA 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		µg/l	2.0	1	SW846 6010B	21-Nov-08	21-Nov-08	8111042	
7440-43-9	Cadmium	BRL		µg/l	2.5	1	"	"	"	"	
7440-47-3	Chromium	BRL		µg/l	5.0	1	"	"	"	"	
7440-02-0	Nickel	BRL		µg/l	5.0	1	"	"	"	"	
7439-92-1	Lead	BRL		µg/l	7.5	1	"	"	"	"	
7440-36-0	Antimony	BRL		µg/l	6.0	1	"	"	"	"	
7782-49-2	Selenium	BRL		µg/l	15.0	1	"	"	"	"	
7440-28-0	Thallium	BRL		µg/l	5.0	1	"	"	"	"	
7440-62-2	Vanadium	BRL		µg/l	5.0	1	"	"	"	"	
7440-66-6	Zinc	21.6		µg/l	7.5	1	"	"	"	"	
Soluble Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		µg/l	0.20	1	EPA 245.1/7470A	21-Nov-08	24-Nov-08	8111043	X

Sample Identification
Trip Blank 111108
 SA87371-09

Client Project #
 12700058

Matrix
 Aqueous

Collection Date/Time
 11-Nov-08 00:00

Received
 12-Nov-08

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds											
<u>Volatile Organic Compounds by GCMS</u>											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	20.0	1	EPA 624	14-Nov-08	15-Nov-08	8111076	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
<i>Surrogate recoveries:</i>											
460-00-4	4-Bromofluorobenzene	82			70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	93			70-130 %		"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	127			70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	120			70-130 %		"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111076 - SW846 5030 Water MS										
<u>Blank (8111076-BLK1)</u>										
Prepared & Analyzed: 14-Nov-08										
Acetone	BRL		µg/l	20.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	25.2		µg/l		30.0		84	70-130		
Surrogate: Toluene-d8	29.2		µg/l		30.0		98	70-130		
Surrogate: 1,2-Dichloroethane-d4	33.0		µg/l		30.0		110	70-130		
Surrogate: Dibromofluoromethane	32.3		µg/l		30.0		108	70-130		
<u>LCS (8111076-BS1)</u>										
Prepared & Analyzed: 14-Nov-08										
Acetone	18.0		µg/l		20.0		90	70-130		
Benzene	21.7		µg/l		20.0		108	70-130		
Bromodichloromethane	24.1		µg/l		20.0		121	35-155		
Bromoform	17.5		µg/l		20.0		87	45-169		
Bromomethane	22.2		µg/l		20.0		111	1-242		

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111076 - SW846 5030 Water MS										
<u>LCS (8111076-BS1)</u>										
Prepared & Analyzed: 14-Nov-08										
2-Butanone (MEK)	18.1		µg/l		20.0		90	70-130		
Carbon tetrachloride	23.3		µg/l		20.0		117	70-140		
Chlorobenzene	21.2		µg/l		20.0		106	70-130		
Chloroethane	22.4		µg/l		20.0		112	14-230		
Chloroform	23.0		µg/l		20.0		115	51-138		
Chloromethane	20.3		µg/l		20.0		101	1-273		
Dibromochloromethane	19.2		µg/l		20.0		96	53-149		
1,2-Dichlorobenzene	20.4		µg/l		20.0		102	18-190		
1,3-Dichlorobenzene	22.2		µg/l		20.0		111	59-156		
1,4-Dichlorobenzene	20.4		µg/l		20.0		102	18-190		
1,1-Dichloroethane	20.8		µg/l		20.0		104	59-155		
1,2-Dichloroethane	20.1		µg/l		20.0		100	49-155		
1,1-Dichloroethene	20.1		µg/l		20.0		100	70-130		
cis-1,2-Dichloroethene	20.0		µg/l		20.0		100	70-130		
trans-1,2-Dichloroethene	21.0		µg/l		20.0		105	54-156		
1,2-Dichloropropane	21.4		µg/l		20.0		107	1-210		
cis-1,3-Dichloropropene	18.6		µg/l		20.0		93	1-227		
trans-1,3-Dichloropropene	18.3		µg/l		20.0		92	17-183		
Ethylbenzene	22.0		µg/l		20.0		110	37-162		
2-Hexanone (MBK)	14.5		µg/l		20.0		72	70-130		
Methyl tert-butyl ether	20.2		µg/l		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	18.1		µg/l		20.0		90	70-130		
Methylene chloride	22.5		µg/l		20.0		113	1-221		
Styrene	19.4		µg/l		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	20.1		µg/l		20.0		101	46-157		
Tetrachloroethene	19.0		µg/l		20.0		95	64-148		
Toluene	21.0		µg/l		20.0		105	70-130		
1,1,1-Trichloroethane	20.0		µg/l		20.0		100	52-162		
1,1,2-Trichloroethane	20.7		µg/l		20.0		103	52-150		
Trichloroethene	20.9		µg/l		20.0		105	71-157		
Trichlorofluoromethane (Freon 11)	21.4		µg/l		20.0		107	17-181		
Vinyl chloride	23.8		µg/l		20.0		119	1-251		
m,p-Xylene	45.3		µg/l		40.0		113	70-130		
o-Xylene	22.8		µg/l		20.0		114	70-130		
Surrogate: 4-Bromofluorobenzene	31.3		µg/l		30.0		104	70-130		
Surrogate: Toluene-d8	30.2		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	29.2		µg/l		30.0		97	70-130		
Surrogate: Dibromofluoromethane	30.8		µg/l		30.0		103	70-130		
<u>LCS Dup (8111076-BSD1)</u>										
Prepared & Analyzed: 14-Nov-08										
Acetone	17.0		µg/l		20.0		85	70-130	6	30
Benzene	17.3		µg/l		20.0		87	70-130	22	30
Bromodichloromethane	20.3		µg/l		20.0		101	35-155	17	30
Bromoform	16.3		µg/l		20.0		82	45-169	7	30
Bromomethane	17.8		µg/l		20.0		89	1-242	22	30
2-Butanone (MEK)	19.1		µg/l		20.0		96	70-130	6	30
Carbon tetrachloride	15.8	QR2	µg/l		20.0		79	70-140	39	30
Chlorobenzene	17.6		µg/l		20.0		88	70-130	18	30
Chloroethane	17.8		µg/l		20.0		89	14-230	23	30
Chloroform	19.4		µg/l		20.0		97	51-138	17	30

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111076 - SW846 5030 Water MS										
<u>LCS Dup (8111076-BSD1)</u>										
Prepared & Analyzed: 14-Nov-08										
Chloromethane	15.6		µg/l		20.0		78	1-273	26	30
Dibromochloromethane	17.3		µg/l		20.0		87	53-149	10	30
1,2-Dichlorobenzene	17.4		µg/l		20.0		87	18-190	16	30
1,3-Dichlorobenzene	19.3		µg/l		20.0		96	59-156	14	30
1,4-Dichlorobenzene	17.5		µg/l		20.0		88	18-190	15	30
1,1-Dichloroethane	17.3		µg/l		20.0		87	59-155	18	30
1,2-Dichloroethane	17.9		µg/l		20.0		90	49-155	11	30
1,1-Dichloroethene	14.2	QR2	µg/l		20.0		71	70-130	34	30
cis-1,2-Dichloroethene	16.8		µg/l		20.0		84	70-130	18	30
trans-1,2-Dichloroethene	16.4		µg/l		20.0		82	54-156	24	30
1,2-Dichloropropane	17.9		µg/l		20.0		89	1-210	18	30
cis-1,3-Dichloropropene	16.1		µg/l		20.0		80	1-227	14	30
trans-1,3-Dichloropropene	16.3		µg/l		20.0		82	17-183	11	30
Ethylbenzene	17.1		µg/l		20.0		86	37-162	25	30
2-Hexanone (MBK)	14.2		µg/l		20.0		71	70-130	2	30
Methyl tert-butyl ether	19.1		µg/l		20.0		96	70-130	6	30
4-Methyl-2-pentanone (MIBK)	18.6		µg/l		20.0		93	70-130	3	30
Methylene chloride	19.0		µg/l		20.0		95	1-221	17	30
Styrene	15.7		µg/l		20.0		78	70-130	21	30
1,1,2,2-Tetrachloroethane	19.4		µg/l		20.0		97	46-157	4	30
Tetrachloroethene	14.4		µg/l		20.0		72	64-148	27	30
Toluene	17.0		µg/l		20.0		85	70-130	21	30
1,1,1-Trichloroethane	14.6	QR2	µg/l		20.0		73	52-162	31	30
1,1,2-Trichloroethane	18.8		µg/l		20.0		94	52-150	9	30
Trichloroethene	16.3		µg/l		20.0		82	71-157	25	30
Trichlorofluoromethane (Freon 11)	13.9	QR2	µg/l		20.0		69	17-181	43	30
Vinyl chloride	15.8	QR2	µg/l		20.0		79	1-251	41	30
m,p-Xylene	35.6		µg/l		40.0		89	70-130	24	30
o-Xylene	18.4		µg/l		20.0		92	70-130	21	30
Surrogate: 4-Bromofluorobenzene	30.9		µg/l		30.0		103	70-130		
Surrogate: Toluene-d8	30.4		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	29.8		µg/l		30.0		99	70-130		
Surrogate: Dibromofluoromethane	31.1		µg/l		30.0		104	70-130		
<u>Matrix Spike (8111076-MS1)</u> Source: SA87267-01										
Prepared & Analyzed: 14-Nov-08										
Benzene	17.5		µg/l		20.0	BRL	88	70-130		
Bromodichloromethane	23.0		µg/l		20.0	BRL	115	35-155		
Bromoform	17.2		µg/l		20.0	BRL	86	45-169		
Bromomethane	11.9		µg/l		20.0	BRL	60	1-242		
Carbon tetrachloride	21.0		µg/l		20.0	BRL	105	70-140		
Chlorobenzene	19.3		µg/l		20.0	BRL	97	70-130		
Chloroethane	13.9		µg/l		20.0	BRL	70	14-230		
Chloroform	21.5		µg/l		20.0	BRL	108	51-138		
Chloromethane	10.0		µg/l		20.0	BRL	50	1-273		
Dibromochloromethane	18.5		µg/l		20.0	BRL	92	53-149		
1,2-Dichlorobenzene	21.4		µg/l		20.0	BRL	107	18-190		
1,3-Dichlorobenzene	21.8		µg/l		20.0	BRL	109	59-156		
1,4-Dichlorobenzene	20.1		µg/l		20.0	BRL	100	18-190		
1,1-Dichloroethane	19.3		µg/l		20.0	BRL	97	59-155		
1,2-Dichloroethane	18.0		µg/l		20.0	BRL	90	49-155		

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111076 - SW846 5030 Water MS										
Matrix Spike (8111076-MS1)		Source: SA87267-01								
Prepared & Analyzed: 14-Nov-08										
1,1-Dichloroethene	14.1		µg/l		20.0	BRL	71	70-130		
trans-1,2-Dichloroethene	14.1		µg/l		20.0	BRL	71	54-156		
1,2-Dichloropropane	20.1		µg/l		20.0	BRL	101	1-210		
cis-1,3-Dichloropropene	16.9		µg/l		20.0	BRL	84	1-227		
trans-1,3-Dichloropropene	17.0		µg/l		20.0	BRL	85	17-183		
Ethylbenzene	19.3		µg/l		20.0	BRL	97	37-162		
Methylene chloride	17.8		µg/l		20.0	BRL	89	1-221		
1,1,2,2-Tetrachloroethane	20.1		µg/l		20.0	BRL	101	46-157		
Tetrachloroethene	16.0		µg/l		20.0	BRL	80	64-148		
Toluene	17.6		µg/l		20.0	BRL	88	70-130		
1,1,1-Trichloroethane	19.1		µg/l		20.0	BRL	96	52-162		
1,1,2-Trichloroethane	20.8		µg/l		20.0	BRL	104	52-150		
Trichloroethene	17.5		µg/l		20.0	BRL	88	71-157		
Trichlorofluoromethane (Freon 11)	16.6		µg/l		20.0	BRL	83	17-181		
Vinyl chloride	11.4		µg/l		20.0	BRL	57	1-251		
Surrogate: 4-Bromofluorobenzene	30.6		µg/l		30.0		102	70-130		
Surrogate: Toluene-d8	30.1		µg/l		30.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	29.6		µg/l		30.0		99	70-130		
Surrogate: Dibromofluoromethane	31.5		µg/l		30.0		105	70-130		
Matrix Spike Dup (8111076-MSD1)		Source: SA87267-01								
Prepared & Analyzed: 14-Nov-08										
Benzene	17.5		µg/l		20.0	BRL	88	70-130	0.06	30
Bromodichloromethane	23.5		µg/l		20.0	BRL	118	35-155	2	30
Bromoform	17.2		µg/l		20.0	BRL	86	45-169	0.4	30
Bromomethane	12.0		µg/l		20.0	BRL	60	1-242	0.9	30
Carbon tetrachloride	20.9		µg/l		20.0	BRL	104	70-140	0.7	30
Chlorobenzene	19.1		µg/l		20.0	BRL	96	70-130	0.9	30
Chloroethane	13.0		µg/l		20.0	BRL	65	14-230	7	30
Chloroform	21.5		µg/l		20.0	BRL	107	51-138	0.2	30
Chloromethane	9.4		µg/l		20.0	BRL	47	1-273	7	30
Dibromochloromethane	19.0		µg/l		20.0	BRL	95	53-149	2	30
1,2-Dichlorobenzene	21.1		µg/l		20.0	BRL	105	18-190	1	30
1,3-Dichlorobenzene	21.8		µg/l		20.0	BRL	109	59-156	0.2	30
1,4-Dichlorobenzene	19.8		µg/l		20.0	BRL	99	18-190	1	30
1,1-Dichloroethane	19.1		µg/l		20.0	BRL	95	59-155	1	30
1,2-Dichloroethane	18.2		µg/l		20.0	BRL	91	49-155	1	30
1,1-Dichloroethene	14.4		µg/l		20.0	BRL	72	70-130	2	30
trans-1,2-Dichloroethene	14.2		µg/l		20.0	BRL	71	54-156	0.2	30
1,2-Dichloropropane	19.9		µg/l		20.0	BRL	100	1-210	1	30
cis-1,3-Dichloropropene	17.4		µg/l		20.0	BRL	87	1-227	3	30
trans-1,3-Dichloropropene	17.5		µg/l		20.0	BRL	88	17-183	3	30
Ethylbenzene	19.8		µg/l		20.0	BRL	99	37-162	2	30
Methylene chloride	17.5		µg/l		20.0	BRL	87	1-221	2	30
1,1,2,2-Tetrachloroethane	19.6		µg/l		20.0	BRL	98	46-157	3	30
Tetrachloroethene	16.5		µg/l		20.0	BRL	83	64-148	4	30
Toluene	18.1		µg/l		20.0	BRL	91	70-130	3	30
1,1,1-Trichloroethane	19.0		µg/l		20.0	BRL	95	52-162	0.5	30
1,1,2-Trichloroethane	20.6		µg/l		20.0	BRL	103	52-150	1	30
Trichloroethene	17.7		µg/l		20.0	BRL	88	71-157	1	30
Trichlorofluoromethane (Freon 11)	15.7		µg/l		20.0	BRL	79	17-181	5	30

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111076 - SW846 5030 Water MS										
Matrix Spike Dup (8111076-MSD1)		Source: SA87267-01								
Prepared & Analyzed: 14-Nov-08										
Vinyl chloride	11.5		µg/l		20.0	BRL	58	1-251	0.6	30
Surrogate: 4-Bromofluorobenzene	30.9		µg/l		30.0		103	70-130		
Surrogate: Toluene-d8	31.0		µg/l		30.0		103	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.2		µg/l		30.0		101	70-130		
Surrogate: Dibromofluoromethane	31.4		µg/l		30.0		105	70-130		
Batch 8111077 - SW846 5030 Water MS										
Blank (8111077-BLK1)										
Prepared & Analyzed: 14-Nov-08										
Acetone	BRL		µg/l	20.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	30.9		µg/l		30.0		103	70-130		
Surrogate: Toluene-d8	29.7		µg/l		30.0		99	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.9		µg/l		30.0		103	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111077 - SW846 5030 Water MS										
<u>Blank (8111077-BLK1)</u>										
Prepared & Analyzed: 14-Nov-08										
Surrogate: Dibromofluoromethane	30.5		µg/l		30.0		102	70-130		
<u>LCS (8111077-BS1)</u>										
Prepared & Analyzed: 14-Nov-08										
Acetone	19.6		µg/l		20.0		98	70-130		
Benzene	21.7		µg/l		20.0		108	70-130		
Bromodichloromethane	19.9		µg/l		20.0		99	35-155		
Bromoform	18.7		µg/l		20.0		94	45-169		
Bromomethane	10.7		µg/l		20.0		54	1-242		
2-Butanone (MEK)	18.7		µg/l		20.0		93	70-130		
Carbon tetrachloride	20.3		µg/l		20.0		102	70-140		
Chlorobenzene	21.8		µg/l		20.0		109	70-130		
Chloroethane	24.6		µg/l		20.0		123	14-230		
Chloroform	22.2		µg/l		20.0		111	51-138		
Chloromethane	19.5		µg/l		20.0		98	1-273		
Dibromochloromethane	20.1		µg/l		20.0		101	53-149		
1,2-Dichlorobenzene	22.0		µg/l		20.0		110	18-190		
1,3-Dichlorobenzene	21.7		µg/l		20.0		108	59-156		
1,4-Dichlorobenzene	21.3		µg/l		20.0		106	18-190		
1,1-Dichloroethane	21.9		µg/l		20.0		109	59-155		
1,2-Dichloroethane	21.6		µg/l		20.0		108	49-155		
1,1-Dichloroethene	21.1		µg/l		20.0		105	70-130		
cis-1,2-Dichloroethene	20.5		µg/l		20.0		103	70-130		
trans-1,2-Dichloroethene	22.4		µg/l		20.0		112	54-156		
1,2-Dichloropropane	21.5		µg/l		20.0		108	1-210		
cis-1,3-Dichloropropene	20.4		µg/l		20.0		102	1-227		
trans-1,3-Dichloropropene	20.0		µg/l		20.0		100	17-183		
Ethylbenzene	21.2		µg/l		20.0		106	37-162		
2-Hexanone (MBK)	20.0		µg/l		20.0		100	70-130		
Methyl tert-butyl ether	21.9		µg/l		20.0		110	70-130		
4-Methyl-2-pentanone (MIBK)	18.7		µg/l		20.0		94	70-130		
Methylene chloride	22.2		µg/l		20.0		111	1-221		
Styrene	20.6		µg/l		20.0		103	70-130		
1,1,2,2-Tetrachloroethane	20.9		µg/l		20.0		104	46-157		
Tetrachloroethene	21.0		µg/l		20.0		105	64-148		
Toluene	21.1		µg/l		20.0		106	70-130		
1,1,1-Trichloroethane	21.3		µg/l		20.0		107	52-162		
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	52-150		
Trichloroethene	21.0		µg/l		20.0		105	71-157		
Trichlorofluoromethane (Freon 11)	23.3		µg/l		20.0		116	17-181		
Vinyl chloride	21.4		µg/l		20.0		107	1-251		
m,p-Xylene	42.5		µg/l		40.0		106	70-130		
o-Xylene	20.7		µg/l		20.0		103	70-130		
Surrogate: 4-Bromofluorobenzene	30.2		µg/l		30.0		101	70-130		
Surrogate: Toluene-d8	30.2		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.1		µg/l		30.0		104	70-130		
Surrogate: Dibromofluoromethane	31.4		µg/l		30.0		105	70-130		
<u>LCS Dup (8111077-BSD1)</u>										
Prepared & Analyzed: 14-Nov-08										
Acetone	23.2		µg/l		20.0		116	70-130	17	30

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111077 - SW846 5030 Water MS										
<u>LCS Dup (8111077-BSD1)</u>										
Prepared & Analyzed: 14-Nov-08										
Benzene	23.9		µg/l		20.0		119	70-130	10	30
Bromodichloromethane	21.8		µg/l		20.0		109	35-155	9	30
Bromoform	20.7		µg/l		20.0		103	45-169	10	30
Bromomethane	13.2		µg/l		20.0		66	1-242	21	30
2-Butanone (MEK)	23.9		µg/l		20.0		119	70-130	24	30
Carbon tetrachloride	21.6		µg/l		20.0		108	70-140	6	30
Chlorobenzene	23.3		µg/l		20.0		116	70-130	7	30
Chloroethane	25.1		µg/l		20.0		125	14-230	2	30
Chloroform	24.0		µg/l		20.0		120	51-138	8	30
Chloromethane	20.3		µg/l		20.0		102	1-273	4	30
Dibromochloromethane	22.1		µg/l		20.0		110	53-149	9	30
1,2-Dichlorobenzene	23.1		µg/l		20.0		115	18-190	5	30
1,3-Dichlorobenzene	23.0		µg/l		20.0		115	59-156	6	30
1,4-Dichlorobenzene	22.3		µg/l		20.0		112	18-190	5	30
1,1-Dichloroethane	23.2		µg/l		20.0		116	59-155	6	30
1,2-Dichloroethane	24.0		µg/l		20.0		120	49-155	11	30
1,1-Dichloroethene	22.8		µg/l		20.0		114	70-130	8	30
cis-1,2-Dichloroethene	22.5		µg/l		20.0		113	70-130	9	30
trans-1,2-Dichloroethene	24.3		µg/l		20.0		122	54-156	8	30
1,2-Dichloropropane	23.3		µg/l		20.0		117	1-210	8	30
cis-1,3-Dichloropropene	21.9		µg/l		20.0		109	1-227	7	30
trans-1,3-Dichloropropene	22.2		µg/l		20.0		111	17-183	11	30
Ethylbenzene	22.2		µg/l		20.0		111	37-162	5	30
2-Hexanone (MBK)	22.8		µg/l		20.0		114	70-130	13	30
Methyl tert-butyl ether	24.8		µg/l		20.0		124	70-130	12	30
4-Methyl-2-pentanone (MIBK)	22.3		µg/l		20.0		111	70-130	17	30
Methylene chloride	24.4		µg/l		20.0		122	1-221	9	30
Styrene	21.9		µg/l		20.0		109	70-130	6	30
1,1,2,2-Tetrachloroethane	23.2		µg/l		20.0		116	46-157	11	30
Tetrachloroethene	22.4		µg/l		20.0		112	64-148	6	30
Toluene	22.8		µg/l		20.0		114	70-130	8	30
1,1,1-Trichloroethane	22.7		µg/l		20.0		113	52-162	6	30
1,1,2-Trichloroethane	23.0		µg/l		20.0		115	52-150	13	30
Trichloroethene	22.8		µg/l		20.0		114	71-157	8	30
Trichlorofluoromethane (Freon 11)	24.1		µg/l		20.0		120	17-181	4	30
Vinyl chloride	22.6		µg/l		20.0		113	1-251	5	30
m,p-Xylene	45.4		µg/l		40.0		113	70-130	7	30
o-Xylene	22.2		µg/l		20.0		111	70-130	7	30
Surrogate: 4-Bromofluorobenzene	30.6		µg/l		30.0		102	70-130		
Surrogate: Toluene-d8	29.8		µg/l		30.0		99	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.4		µg/l		30.0		105	70-130		
Surrogate: Dibromofluoromethane	31.7		µg/l		30.0		106	70-130		
<u>Matrix Spike (8111077-MS1)</u>										
Source: SA87315-01										
Prepared & Analyzed: 14-Nov-08										
Benzene	17.9		µg/l		20.0	BRL	89	70-130		
Bromodichloromethane	19.6		µg/l		20.0	BRL	98	35-155		
Bromoform	17.9		µg/l		20.0	BRL	89	45-169		
Bromomethane	7.3		µg/l		20.0	BRL	37	1-242		
Carbon tetrachloride	18.8		µg/l		20.0	BRL	94	70-140		
Chlorobenzene	20.5		µg/l		20.0	BRL	103	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111077 - SW846 5030 Water MS										
Matrix Spike (8111077-MS1)		Source: SA87315-01								
Prepared & Analyzed: 14-Nov-08										
Chloroethane	14.6		µg/l		20.0	BRL	73	14-230		
Chloroform	21.3		µg/l		20.0	BRL	106	51-138		
Chloromethane	9.6		µg/l		20.0	BRL	48	1-273		
Dibromochloromethane	19.5		µg/l		20.0	BRL	97	53-149		
1,2-Dichlorobenzene	21.3		µg/l		20.0	BRL	106	18-190		
1,3-Dichlorobenzene	22.0		µg/l		20.0	BRL	110	59-156		
1,4-Dichlorobenzene	20.8		µg/l		20.0	BRL	104	18-190		
1,1-Dichloroethane	20.1		µg/l		20.0	BRL	100	59-155		
1,2-Dichloroethane	18.8		µg/l		20.0	BRL	94	49-155		
1,1-Dichloroethene	15.3		µg/l		20.0	BRL	76	70-130		
trans-1,2-Dichloroethene	15.3		µg/l		20.0	BRL	77	54-156		
1,2-Dichloropropane	20.0		µg/l		20.0	BRL	100	1-210		
cis-1,3-Dichloropropene	18.6		µg/l		20.0	BRL	93	1-227		
trans-1,3-Dichloropropene	18.4		µg/l		20.0	BRL	92	17-183		
Ethylbenzene	19.7		µg/l		20.0	BRL	99	37-162		
Methylene chloride	17.8		µg/l		20.0	BRL	89	1-221		
1,1,2,2-Tetrachloroethane	20.3		µg/l		20.0	BRL	102	46-157		
Tetrachloroethene	18.1		µg/l		20.0	BRL	91	64-148		
Toluene	18.2		µg/l		20.0	BRL	91	70-130		
1,1,1-Trichloroethane	20.7		µg/l		20.0	BRL	104	52-162		
1,1,2-Trichloroethane	19.7		µg/l		20.0	BRL	98	52-150		
Trichloroethene	18.2		µg/l		20.0	BRL	91	71-157		
Trichlorofluoromethane (Freon 11)	18.2		µg/l		20.0	BRL	91	17-181		
Vinyl chloride	12.7		µg/l		20.0	BRL	63	1-251		
Surrogate: 4-Bromofluorobenzene	30.6		µg/l		30.0		102	70-130		
Surrogate: Toluene-d8	29.6		µg/l		30.0		99	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.8		µg/l		30.0		103	70-130		
Surrogate: Dibromofluoromethane	31.6		µg/l		30.0		105	70-130		
Matrix Spike Dup (8111077-MSD1)		Source: SA87315-01								
Prepared & Analyzed: 14-Nov-08										
Benzene	18.6		µg/l		20.0	BRL	93	70-130	4	30
Bromodichloromethane	20.7		µg/l		20.0	BRL	104	35-155	6	30
Bromoform	19.6		µg/l		20.0	BRL	98	45-169	9	30
Bromomethane	7.1		µg/l		20.0	BRL	36	1-242	3	30
Carbon tetrachloride	19.1		µg/l		20.0	BRL	96	70-140	2	30
Chlorobenzene	21.0		µg/l		20.0	BRL	105	70-130	3	30
Chloroethane	14.5		µg/l		20.0	BRL	72	14-230	0.6	30
Chloroform	21.9		µg/l		20.0	BRL	110	51-138	3	30
Chloromethane	10.0		µg/l		20.0	BRL	50	1-273	4	30
Dibromochloromethane	20.4		µg/l		20.0	BRL	102	53-149	5	30
1,2-Dichlorobenzene	22.0		µg/l		20.0	BRL	110	18-190	3	30
1,3-Dichlorobenzene	22.8		µg/l		20.0	BRL	114	59-156	4	30
1,4-Dichlorobenzene	21.4		µg/l		20.0	BRL	107	18-190	3	30
1,1-Dichloroethane	21.0		µg/l		20.0	BRL	105	59-155	4	30
1,2-Dichloroethane	19.8		µg/l		20.0	BRL	99	49-155	5	30
1,1-Dichloroethene	15.6		µg/l		20.0	BRL	78	70-130	2	30
trans-1,2-Dichloroethene	15.9		µg/l		20.0	BRL	79	54-156	4	30
1,2-Dichloropropane	21.0		µg/l		20.0	BRL	105	1-210	5	30
cis-1,3-Dichloropropene	19.4		µg/l		20.0	BRL	97	1-227	4	30
trans-1,3-Dichloropropene	19.6		µg/l		20.0	BRL	98	17-183	6	30

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111077 - SW846 5030 Water MS										
Matrix Spike Dup (8111077-MSD1)		Source: SA87315-01								
Prepared & Analyzed: 14-Nov-08										
Ethylbenzene	20.3		µg/l		20.0	BRL	102	37-162	3	30
Methylene chloride	18.5		µg/l		20.0	BRL	92	1-221	4	30
1,1,2,2-Tetrachloroethane	21.4		µg/l		20.0	BRL	107	46-157	5	30
Tetrachloroethene	19.0		µg/l		20.0	BRL	95	64-148	4	30
Toluene	18.7		µg/l		20.0	BRL	93	70-130	2	30
1,1,1-Trichloroethane	21.5		µg/l		20.0	BRL	108	52-162	4	30
1,1,2-Trichloroethane	21.3		µg/l		20.0	BRL	106	52-150	8	30
Trichloroethene	18.4		µg/l		20.0	BRL	92	71-157	1	30
Trichlorofluoromethane (Freon 11)	18.5		µg/l		20.0	BRL	92	17-181	2	30
Vinyl chloride	12.5		µg/l		20.0	BRL	63	1-251	1	30
Surrogate: 4-Bromofluorobenzene	30.4		µg/l		30.0		101	70-130		
Surrogate: Toluene-d8	30.2		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.5		µg/l		30.0		105	70-130		
Surrogate: Dibromofluoromethane	31.6		µg/l		30.0		105	70-130		
Batch 8111194 - SW846 5030 Water MS										
Blank (8111194-BLK1)										
Prepared & Analyzed: 17-Nov-08										
Acetone	BRL		µg/l	20.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111194 - SW846 5030 Water MS										
<u>Blank (8111194-BLK1)</u>										
Prepared & Analyzed: 17-Nov-08										
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	25.9		µg/l		30.0		86	70-130		
Surrogate: Toluene-d8	29.6		µg/l		30.0		99	70-130		
Surrogate: 1,2-Dichloroethane-d4	33.2		µg/l		30.0		111	70-130		
Surrogate: Dibromofluoromethane	34.4		µg/l		30.0		115	70-130		
<u>LCS (8111194-BS1)</u>										
Prepared & Analyzed: 17-Nov-08										
Acetone	18.5		µg/l		20.0		92	70-130		
Benzene	20.2		µg/l		20.0		101	70-130		
Bromodichloromethane	24.1		µg/l		20.0		121	35-155		
Bromoform	18.7		µg/l		20.0		93	45-169		
Bromomethane	19.8		µg/l		20.0		99	1-242		
2-Butanone (MEK)	20.0		µg/l		20.0		100	70-130		
Carbon tetrachloride	20.7		µg/l		20.0		103	70-140		
Chlorobenzene	20.3		µg/l		20.0		102	70-130		
Chloroethane	20.6		µg/l		20.0		103	14-230		
Chloroform	22.8		µg/l		20.0		114	51-138		
Chloromethane	18.6		µg/l		20.0		93	1-273		
Dibromochloromethane	20.0		µg/l		20.0		100	53-149		
1,2-Dichlorobenzene	18.8		µg/l		20.0		94	18-190		
1,3-Dichlorobenzene	22.0		µg/l		20.0		110	59-156		
1,4-Dichlorobenzene	18.9		µg/l		20.0		94	18-190		
1,1-Dichloroethane	20.4		µg/l		20.0		102	59-155		
1,2-Dichloroethane	20.4		µg/l		20.0		102	49-155		
1,1-Dichloroethene	17.5		µg/l		20.0		87	70-130		
cis-1,2-Dichloroethene	19.2		µg/l		20.0		96	70-130		
trans-1,2-Dichloroethene	19.6		µg/l		20.0		98	54-156		
1,2-Dichloropropane	20.7		µg/l		20.0		103	1-210		
cis-1,3-Dichloropropene	18.4		µg/l		20.0		92	1-227		
trans-1,3-Dichloropropene	19.0		µg/l		20.0		95	17-183		
Ethylbenzene	20.1		µg/l		20.0		100	37-162		
2-Hexanone (MBK)	14.5		µg/l		20.0		73	70-130		
Methyl tert-butyl ether	21.2		µg/l		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	19.4		µg/l		20.0		97	70-130		
Methylene chloride	21.6		µg/l		20.0		108	1-221		
Styrene	18.3		µg/l		20.0		92	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/l		20.0		106	46-157		
Tetrachloroethene	16.8		µg/l		20.0		84	64-148		
Toluene	19.8		µg/l		20.0		99	70-130		
1,1,1-Trichloroethane	18.7		µg/l		20.0		94	52-162		
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	52-150		
Trichloroethene	19.6		µg/l		20.0		98	71-157		
Trichlorofluoromethane (Freon 11)	17.0		µg/l		20.0		85	17-181		
Vinyl chloride	19.7		µg/l		20.0		99	1-251		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111194 - SW846 5030 Water MS										
<u>LCS (8111194-BS1)</u>										
Prepared & Analyzed: 17-Nov-08										
m,p-Xylene	41.8		µg/l		40.0		105	70-130		
o-Xylene	21.1		µg/l		20.0		105	70-130		
Surrogate: 4-Bromofluorobenzene	31.9		µg/l		30.0		106	70-130		
Surrogate: Toluene-d8	30.2		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.8		µg/l		30.0		103	70-130		
Surrogate: Dibromofluoromethane	31.8		µg/l		30.0		106	70-130		
<u>LCS Dup (8111194-BSD1)</u>										
Prepared & Analyzed: 17-Nov-08										
Acetone	19.0		µg/l		20.0		95	70-130	3	30
Benzene	22.1		µg/l		20.0		111	70-130	9	30
Bromodichloromethane	26.3		µg/l		20.0		131	35-155	9	30
Bromoform	19.2		µg/l		20.0		96	45-169	3	30
Bromomethane	24.0		µg/l		20.0		120	1-242	19	30
2-Butanone (MEK)	19.7		µg/l		20.0		98	70-130	2	30
Carbon tetrachloride	25.3		µg/l		20.0		127	70-140	20	30
Chlorobenzene	22.4		µg/l		20.0		112	70-130	10	30
Chloroethane	23.7		µg/l		20.0		119	14-230	14	30
Chloroform	25.1		µg/l		20.0		126	51-138	10	30
Chloromethane	21.0		µg/l		20.0		105	1-273	12	30
Dibromochloromethane	21.0		µg/l		20.0		105	53-149	5	30
1,2-Dichlorobenzene	20.8		µg/l		20.0		104	18-190	10	30
1,3-Dichlorobenzene	24.3		µg/l		20.0		121	59-156	10	30
1,4-Dichlorobenzene	21.1		µg/l		20.0		105	18-190	11	30
1,1-Dichloroethane	22.6		µg/l		20.0		113	59-155	10	30
1,2-Dichloroethane	21.7		µg/l		20.0		109	49-155	6	30
1,1-Dichloroethene	20.4		µg/l		20.0		102	70-130	15	30
cis-1,2-Dichloroethene	21.1		µg/l		20.0		106	70-130	9	30
trans-1,2-Dichloroethene	22.2		µg/l		20.0		111	54-156	12	30
1,2-Dichloropropane	22.1		µg/l		20.0		110	1-210	7	30
cis-1,3-Dichloropropene	19.1		µg/l		20.0		95	1-227	4	30
trans-1,3-Dichloropropene	19.1		µg/l		20.0		96	17-183	0.8	30
Ethylbenzene	23.0		µg/l		20.0		115	37-162	13	30
2-Hexanone (MBK)	13.6	QC1	µg/l		20.0		68	70-130	6	30
Methyl tert-butyl ether	21.1		µg/l		20.0		106	70-130	0.5	30
4-Methyl-2-pentanone (MIBK)	18.0		µg/l		20.0		90	70-130	8	30
Methylene chloride	23.9		µg/l		20.0		119	1-221	10	30
Styrene	19.5		µg/l		20.0		97	70-130	6	30
1,1,2,2-Tetrachloroethane	22.0		µg/l		20.0		110	46-157	3	30
Tetrachloroethene	19.9		µg/l		20.0		100	64-148	17	30
Toluene	22.1		µg/l		20.0		111	70-130	11	30
1,1,1-Trichloroethane	21.7		µg/l		20.0		108	52-162	15	30
1,1,2-Trichloroethane	21.8		µg/l		20.0		109	52-150	2	30
Trichloroethene	22.0		µg/l		20.0		110	71-157	12	30
Trichlorofluoromethane (Freon 11)	21.7		µg/l		20.0		108	17-181	24	30
Vinyl chloride	29.3	QC1	µg/l		20.0		147	1-251	39	30
m,p-Xylene	47.7		µg/l		40.0		119	70-130	13	30
o-Xylene	23.9		µg/l		20.0		119	70-130	12	30
Surrogate: 4-Bromofluorobenzene	32.4		µg/l		30.0		108	70-130		
Surrogate: Toluene-d8	30.2		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.4		µg/l		30.0		101	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111194 - SW846 5030 Water MS										
<u>LCS Dup (8111194-BSD1)</u>										
Prepared & Analyzed: 17-Nov-08										
Surrogate: Dibromofluoromethane	32.1		µg/l		30.0		107	70-130		
<u>Matrix Spike (8111194-MS1)</u> Source: SA87191-03										
Prepared & Analyzed: 17-Nov-08										
Benzene	12.8	QM7	µg/l		20.0	BRL	64	70-130		
Bromodichloromethane	24.2		µg/l		20.0	BRL	121	35-155		
Bromoform	19.6		µg/l		20.0	BRL	98	45-169		
Bromomethane	6.1		µg/l		20.0	BRL	30	1-242		
Carbon tetrachloride	17.9		µg/l		20.0	BRL	89	70-140		
Chlorobenzene	18.4		µg/l		20.0	BRL	92	70-130		
Chloroethane	8.6		µg/l		20.0	BRL	43	14-230		
Chloroform	21.9		µg/l		20.0	BRL	109	51-138		
Chloromethane	4.4		µg/l		20.0	BRL	22	1-273		
Dibromochloromethane	20.3		µg/l		20.0	BRL	101	53-149		
1,2-Dichlorobenzene	21.9		µg/l		20.0	BRL	109	18-190		
1,3-Dichlorobenzene	24.4		µg/l		20.0	BRL	122	59-156		
1,4-Dichlorobenzene	19.8		µg/l		20.0	BRL	99	18-190		
1,1-Dichloroethane	17.6		µg/l		20.0	BRL	88	59-155		
1,2-Dichloroethane	18.4		µg/l		20.0	BRL	92	49-155		
1,1-Dichloroethene	9.2	QM7	µg/l		20.0	BRL	46	70-130		
trans-1,2-Dichloroethene	9.2	QM7	µg/l		20.0	BRL	46	54-156		
1,2-Dichloropropane	18.0		µg/l		20.0	BRL	90	1-210		
cis-1,3-Dichloropropene	15.2		µg/l		20.0	BRL	76	1-227		
trans-1,3-Dichloropropene	16.9		µg/l		20.0	BRL	84	17-183		
Ethylbenzene	17.1		µg/l		20.0	BRL	86	37-162		
Methylene chloride	14.4		µg/l		20.0	BRL	72	1-221		
1,1,2,2-Tetrachloroethane	23.7		µg/l		20.0	BRL	118	46-157		
Tetrachloroethene	12.6	QM7	µg/l		20.0	BRL	63	64-148		
Toluene	15.3		µg/l		20.0	BRL	76	70-130		
1,1,1-Trichloroethane	20.2		µg/l		20.0	1.3	95	52-162		
1,1,2-Trichloroethane	22.3		µg/l		20.0	BRL	111	52-150		
Trichloroethene	14.1	QM7	µg/l		20.0	BRL	70	71-157		
Trichlorofluoromethane (Freon 11)	12.4		µg/l		20.0	BRL	62	17-181		
Vinyl chloride	5.9		µg/l		20.0	BRL	29	1-251		
Surrogate: 4-Bromofluorobenzene	33.5		µg/l		30.0		112	70-130		
Surrogate: Toluene-d8	31.0		µg/l		30.0		103	70-130		
Surrogate: 1,2-Dichloroethane-d4	34.5		µg/l		30.0		115	70-130		
Surrogate: Dibromofluoromethane	33.6		µg/l		30.0		112	70-130		
<u>Matrix Spike Dup (8111194-MSD1)</u> Source: SA87191-03										
Prepared & Analyzed: 17-Nov-08										
Benzene	12.1	QM7	µg/l		20.0	BRL	61	70-130	6	30
Bromodichloromethane	21.7		µg/l		20.0	BRL	109	35-155	11	30
Bromoform	17.6		µg/l		20.0	BRL	88	45-169	11	30
Bromomethane	6.3		µg/l		20.0	BRL	31	1-242	3	30
Carbon tetrachloride	15.6		µg/l		20.0	BRL	78	70-140	14	30
Chlorobenzene	17.1		µg/l		20.0	BRL	85	70-130	7	30
Chloroethane	8.1		µg/l		20.0	BRL	41	14-230	6	30
Chloroform	19.8		µg/l		20.0	BRL	99	51-138	10	30
Chloromethane	4.1		µg/l		20.0	BRL	21	1-273	7	30
Dibromochloromethane	18.4		µg/l		20.0	BRL	92	53-149	10	30

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111194 - SW846 5030 Water MS										
Matrix Spike Dup (8111194-MSD1) Source: SA87191-03										
Prepared & Analyzed: 17-Nov-08										
1,2-Dichlorobenzene	20.2		µg/l		20.0	BRL	101	18-190	8	30
1,3-Dichlorobenzene	22.1		µg/l		20.0	BRL	111	59-156	10	30
1,4-Dichlorobenzene	18.6		µg/l		20.0	BRL	93	18-190	6	30
1,1-Dichloroethane	16.2		µg/l		20.0	BRL	81	59-155	9	30
1,2-Dichloroethane	16.5		µg/l		20.0	BRL	82	49-155	11	30
1,1-Dichloroethene	8.4	QM7	µg/l		20.0	BRL	42	70-130	8	30
trans-1,2-Dichloroethene	8.7	QM7	µg/l		20.0	BRL	44	54-156	5	30
1,2-Dichloropropane	16.9		µg/l		20.0	BRL	84	1-210	7	30
cis-1,3-Dichloropropene	14.3		µg/l		20.0	BRL	72	1-227	6	30
trans-1,3-Dichloropropene	15.5		µg/l		20.0	BRL	77	17-183	9	30
Ethylbenzene	15.9		µg/l		20.0	BRL	80	37-162	7	30
Methylene chloride	13.1		µg/l		20.0	BRL	65	1-221	10	30
1,1,2,2-Tetrachloroethane	21.8		µg/l		20.0	BRL	109	46-157	8	30
Tetrachloroethene	11.8	QM7	µg/l		20.0	BRL	59	64-148	7	30
Toluene	13.9	QC1	µg/l		20.0	BRL	69	70-130	10	30
1,1,1-Trichloroethane	18.1		µg/l		20.0	1.3	84	52-162	12	30
1,1,2-Trichloroethane	20.2		µg/l		20.0	BRL	101	52-150	10	30
Trichloroethene	13.2	QM7	µg/l		20.0	BRL	66	71-157	6	30
Trichlorofluoromethane (Freon 11)	11.0		µg/l		20.0	BRL	55	17-181	12	30
Vinyl chloride	5.2		µg/l		20.0	BRL	26	1-251	13	30
Surrogate: 4-Bromofluorobenzene	32.2		µg/l		30.0		107	70-130		
Surrogate: Toluene-d8	30.2		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	32.8		µg/l		30.0		109	70-130		
Surrogate: Dibromofluoromethane	32.8		µg/l		30.0		109	70-130		
Batch 8111291 - SW846 5030 Water MS										
Blank (8111291-BLK1)										
Prepared & Analyzed: 18-Nov-08										
Acetone	BRL		µg/l	20.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111291 - SW846 5030 Water MS										
<u>Blank (8111291-BLK1)</u>										
Prepared & Analyzed: 18-Nov-08										
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	25.1		µg/l		30.0		84	70-130		
Surrogate: Toluene-d8	29.7		µg/l		30.0		99	70-130		
Surrogate: 1,2-Dichloroethane-d4	33.8		µg/l		30.0		113	70-130		
Surrogate: Dibromofluoromethane	36.4		µg/l		30.0		121	70-130		
<u>LCS (8111291-BS1)</u>										
Prepared & Analyzed: 18-Nov-08										
Acetone	20.6		µg/l		20.0		103	70-130		
Benzene	20.6		µg/l		20.0		103	70-130		
Bromodichloromethane	24.1		µg/l		20.0		121	35-155		
Bromoform	18.3		µg/l		20.0		92	45-169		
Bromomethane	23.3		µg/l		20.0		116	1-242		
2-Butanone (MEK)	19.0		µg/l		20.0		95	70-130		
Carbon tetrachloride	22.8		µg/l		20.0		114	70-140		
Chlorobenzene	20.8		µg/l		20.0		104	70-130		
Chloroethane	22.1		µg/l		20.0		110	14-230		
Chloroform	23.2		µg/l		20.0		116	51-138		
Chloromethane	19.7		µg/l		20.0		99	1-273		
Dibromochloromethane	19.7		µg/l		20.0		98	53-149		
1,2-Dichlorobenzene	19.2		µg/l		20.0		96	18-190		
1,3-Dichlorobenzene	22.7		µg/l		20.0		113	59-156		
1,4-Dichlorobenzene	19.3		µg/l		20.0		96	18-190		
1,1-Dichloroethane	21.0		µg/l		20.0		105	59-155		
1,2-Dichloroethane	20.6		µg/l		20.0		103	49-155		
1,1-Dichloroethene	19.1		µg/l		20.0		96	70-130		
cis-1,2-Dichloroethene	19.7		µg/l		20.0		99	70-130		
trans-1,2-Dichloroethene	20.7		µg/l		20.0		103	54-156		
1,2-Dichloropropane	20.8		µg/l		20.0		104	1-210		
cis-1,3-Dichloropropene	17.8		µg/l		20.0		89	1-227		
trans-1,3-Dichloropropene	17.9		µg/l		20.0		89	17-183		
Ethylbenzene	21.1		µg/l		20.0		106	37-162		
2-Hexanone (MBK)	14.0		µg/l		20.0		70	70-130		
Methyl tert-butyl ether	21.0		µg/l		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	18.0		µg/l		20.0		90	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111291 - SW846 5030 Water MS										
<u>LCS (8111291-BS1)</u>										
Prepared & Analyzed: 18-Nov-08										
Methylene chloride	22.5		µg/l		20.0		113	1-221		
Styrene	18.0		µg/l		20.0		90	70-130		
1,1,2,2-Tetrachloroethane	21.1		µg/l		20.0		106	46-157		
Tetrachloroethene	18.1		µg/l		20.0		90	64-148		
Toluene	20.4		µg/l		20.0		102	70-130		
1,1,1-Trichloroethane	19.9		µg/l		20.0		100	52-162		
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	52-150		
Trichloroethene	20.1		µg/l		20.0		101	71-157		
Trichlorofluoromethane (Freon 11)	19.6		µg/l		20.0		98	17-181		
Vinyl chloride	23.2		µg/l		20.0		116	1-251		
m,p-Xylene	43.9		µg/l		40.0		110	70-130		
o-Xylene	22.1		µg/l		20.0		111	70-130		
Surrogate: 4-Bromofluorobenzene	32.0		µg/l		30.0		107	70-130		
Surrogate: Toluene-d8	30.3		µg/l		30.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.3		µg/l		30.0		104	70-130		
Surrogate: Dibromofluoromethane	32.1		µg/l		30.0		107	70-130		
<u>LCS Dup (8111291-BSD1)</u>										
Prepared & Analyzed: 18-Nov-08										
Acetone	21.4		µg/l		20.0		107	70-130	4	30
Benzene	20.1		µg/l		20.0		100	70-130	3	30
Bromodichloromethane	23.8		µg/l		20.0		119	35-155	1	30
Bromoform	18.8		µg/l		20.0		94	45-169	2	30
Bromomethane	22.6		µg/l		20.0		113	1-242	3	30
2-Butanone (MEK)	20.9		µg/l		20.0		104	70-130	10	30
Carbon tetrachloride	21.8		µg/l		20.0		109	70-140	4	30
Chlorobenzene	20.5		µg/l		20.0		103	70-130	1	30
Chloroethane	21.0		µg/l		20.0		105	14-230	5	30
Chloroform	23.3		µg/l		20.0		117	51-138	0.6	30
Chloromethane	18.6		µg/l		20.0		93	1-273	6	30
Dibromochloromethane	19.6		µg/l		20.0		98	53-149	0.1	30
1,2-Dichlorobenzene	19.6		µg/l		20.0		98	18-190	2	30
1,3-Dichlorobenzene	22.9		µg/l		20.0		114	59-156	0.7	30
1,4-Dichlorobenzene	20.0		µg/l		20.0		100	18-190	4	30
1,1-Dichloroethane	20.6		µg/l		20.0		103	59-155	2	30
1,2-Dichloroethane	21.0		µg/l		20.0		105	49-155	2	30
1,1-Dichloroethene	18.3		µg/l		20.0		92	70-130	4	30
cis-1,2-Dichloroethene	19.3		µg/l		20.0		96	70-130	2	30
trans-1,2-Dichloroethene	19.9		µg/l		20.0		99	54-156	4	30
1,2-Dichloropropane	20.4		µg/l		20.0		102	1-210	2	30
cis-1,3-Dichloropropene	17.7		µg/l		20.0		88	1-227	0.4	30
trans-1,3-Dichloropropene	18.0		µg/l		20.0		90	17-183	0.8	30
Ethylbenzene	20.1		µg/l		20.0		100	37-162	5	30
2-Hexanone (MBK)	15.4		µg/l		20.0		77	70-130	9	30
Methyl tert-butyl ether	21.6		µg/l		20.0		108	70-130	3	30
4-Methyl-2-pentanone (MIBK)	19.2		µg/l		20.0		96	70-130	7	30
Methylene chloride	22.3		µg/l		20.0		111	1-221	1	30
Styrene	17.6		µg/l		20.0		88	70-130	2	30
1,1,2,2-Tetrachloroethane	22.2		µg/l		20.0		111	46-157	5	30
Tetrachloroethene	17.8		µg/l		20.0		89	64-148	2	30
Toluene	20.0		µg/l		20.0		100	70-130	2	30

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111291 - SW846 5030 Water MS										
<u>LCS Dup (8111291-BSD1)</u>										
Prepared & Analyzed: 18-Nov-08										
1,1,1-Trichloroethane	19.3		µg/l		20.0		97	52-162	3	30
1,1,2-Trichloroethane	21.9		µg/l		20.0		109	52-150	4	30
Trichloroethene	19.8		µg/l		20.0		99	71-157	2	30
Trichlorofluoromethane (Freon 11)	19.2		µg/l		20.0		96	17-181	2	30
Vinyl chloride	22.6		µg/l		20.0		113	1-251	3	30
m,p-Xylene	42.8		µg/l		40.0		107	70-130	3	30
o-Xylene	22.0		µg/l		20.0		110	70-130	0.7	30
Surrogate: 4-Bromofluorobenzene	32.0		µg/l		30.0		106	70-130		
Surrogate: Toluene-d8	30.0		µg/l		30.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.1		µg/l		30.0		104	70-130		
Surrogate: Dibromofluoromethane	32.0		µg/l		30.0		107	70-130		
<u>Matrix Spike (8111291-MS1)</u> Source: SA87501-01										
Prepared & Analyzed: 18-Nov-08										
Benzene	23.0		µg/l		20.0	BRL	115	70-130		
Bromodichloromethane	29.2		µg/l		20.0	BRL	146	35-155		
Bromoform	22.7		µg/l		20.0	BRL	113	45-169		
Bromomethane	24.8		µg/l		20.0	BRL	124	1-242		
Carbon tetrachloride	28.8	QM7	µg/l		20.0	BRL	144	70-140		
Chlorobenzene	23.8		µg/l		20.0	BRL	119	70-130		
Chloroethane	25.0		µg/l		20.0	BRL	125	14-230		
Chloroform	27.4		µg/l		20.0	BRL	137	51-138		
Chloromethane	20.8		µg/l		20.0	BRL	104	1-273		
Dibromochloromethane	23.8		µg/l		20.0	BRL	119	53-149		
1,2-Dichlorobenzene	21.4		µg/l		20.0	BRL	107	18-190		
1,3-Dichlorobenzene	28.0		µg/l		20.0	BRL	140	59-156		
1,4-Dichlorobenzene	21.9		µg/l		20.0	BRL	109	18-190		
1,1-Dichloroethane	24.1		µg/l		20.0	BRL	121	59-155		
1,2-Dichloroethane	25.8		µg/l		20.0	BRL	129	49-155		
1,1-Dichloroethene	21.9		µg/l		20.0	BRL	110	70-130		
trans-1,2-Dichloroethene	23.8		µg/l		20.0	BRL	119	54-156		
1,2-Dichloropropane	23.4		µg/l		20.0	BRL	117	1-210		
cis-1,3-Dichloropropene	19.3		µg/l		20.0	BRL	97	1-227		
trans-1,3-Dichloropropene	20.6		µg/l		20.0	BRL	103	17-183		
Ethylbenzene	23.8		µg/l		20.0	BRL	119	37-162		
Methylene chloride	25.8		µg/l		20.0	BRL	129	1-221		
1,1,2,2-Tetrachloroethane	30.4		µg/l		20.0	BRL	152	46-157		
Tetrachloroethene	22.8		µg/l		20.0	BRL	114	64-148		
Toluene	24.3		µg/l		20.0	BRL	122	70-130		
1,1,1-Trichloroethane	24.2		µg/l		20.0	BRL	121	52-162		
1,1,2-Trichloroethane	26.7		µg/l		20.0	BRL	134	52-150		
Trichloroethene	23.9		µg/l		20.0	BRL	120	71-157		
Trichlorofluoromethane (Freon 11)	24.6		µg/l		20.0	BRL	123	17-181		
Vinyl chloride	19.4		µg/l		20.0	BRL	97	1-251		
Surrogate: 4-Bromofluorobenzene	34.6		µg/l		30.0		115	70-130		
Surrogate: Toluene-d8	31.1		µg/l		30.0		104	70-130		
Surrogate: 1,2-Dichloroethane-d4	37.6		µg/l		30.0		125	70-130		
Surrogate: Dibromofluoromethane	35.0		µg/l		30.0		117	70-130		
<u>Matrix Spike Dup (8111291-MSD1)</u> Source: SA87501-01										
Prepared & Analyzed: 18-Nov-08										
Benzene	26.5	QC1	µg/l		20.0	BRL	132	70-130	14	30

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111291 - SW846 5030 Water MS										
Matrix Spike Dup (8111291-MSD1) Source: SA87501-01										
Prepared & Analyzed: 18-Nov-08										
Bromodichloromethane	40.1	QC1	µg/l		20.0	BRL	201	35-155	32	30
Bromoform	35.2	QC1	µg/l		20.0	BRL	176	45-169	43	30
Bromomethane	24.8		µg/l		20.0	BRL	124	1-242	0.2	30
Carbon tetrachloride	31.1	QM7	µg/l		20.0	BRL	156	70-140	8	30
Chlorobenzene	34.5	QC1	µg/l		20.0	BRL	172	70-130	37	30
Chloroethane	24.4		µg/l		20.0	BRL	122	14-230	3	30
Chloroform	31.7	QC1	µg/l		20.0	BRL	158	51-138	15	30
Chloromethane	20.6		µg/l		20.0	BRL	103	1-273	0.9	30
Dibromochloromethane	35.7	QC1	µg/l		20.0	BRL	179	53-149	40	30
1,2-Dichlorobenzene	36.5	QC1	µg/l		20.0	BRL	182	18-190	52	30
1,3-Dichlorobenzene	41.8	QC1	µg/l		20.0	BRL	209	59-156	40	30
1,4-Dichlorobenzene	35.2	QC1	µg/l		20.0	BRL	176	18-190	47	30
1,1-Dichloroethane	25.4		µg/l		20.0	BRL	127	59-155	5	30
1,2-Dichloroethane	30.3		µg/l		20.0	BRL	152	49-155	16	30
1,1-Dichloroethene	21.8		µg/l		20.0	BRL	109	70-130	0.7	30
trans-1,2-Dichloroethene	23.9		µg/l		20.0	BRL	120	54-156	0.6	30
1,2-Dichloropropane	30.2		µg/l		20.0	BRL	151	1-210	25	30
cis-1,3-Dichloropropene	28.3	QC1	µg/l		20.0	BRL	141	1-227	38	30
trans-1,3-Dichloropropene	32.1	QC1	µg/l		20.0	BRL	161	17-183	43	30
Ethylbenzene	37.0	QC1	µg/l		20.0	BRL	185	37-162	43	30
Methylene chloride	26.3		µg/l		20.0	BRL	131	1-221	2	30
1,1,2,2-Tetrachloroethane	45.6	QC1	µg/l		20.0	BRL	228	46-157	40	30
Tetrachloroethene	29.1		µg/l		20.0	BRL	146	64-148	24	30
Toluene	31.4	QC1	µg/l		20.0	BRL	157	70-130	25	30
1,1,1-Trichloroethane	28.8		µg/l		20.0	BRL	144	52-162	18	30
1,1,2-Trichloroethane	38.9	QC1	µg/l		20.0	BRL	195	52-150	37	30
Trichloroethene	28.8		µg/l		20.0	BRL	144	71-157	18	30
Trichlorofluoromethane (Freon 11)	23.0		µg/l		20.0	BRL	115	17-181	7	30
Vinyl chloride	17.8		µg/l		20.0	BRL	89	1-251	9	30
Surrogate: 4-Bromofluorobenzene	33.2		µg/l		30.0		111	70-130		
Surrogate: Toluene-d8	30.7		µg/l		30.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4	33.3		µg/l		30.0		111	70-130		
Surrogate: Dibromofluoromethane	32.0		µg/l		30.0		107	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Soluble Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111042 - SW846 3005A										
<u>Blank (8111042-BLK1)</u>										
Prepared & Analyzed: 21-Nov-08										
Thallium	BRL		µg/l	5.00						
Zinc	BRL		µg/l	7.50						
Antimony	BRL		µg/l	6.00						
Lead	BRL		µg/l	7.50						
Nickel	BRL		µg/l	5.00						
Selenium	BRL		µg/l	15.0						
Beryllium	BRL		µg/l	2.00						
Cadmium	BRL		µg/l	2.50						
Chromium	BRL		µg/l	5.00						
Arsenic	BRL		µg/l	4.00						
Vanadium	BRL		µg/l	5.00						
Silver	BRL		µg/l	5.00						
Barium	BRL		µg/l	5.00						
<u>LCS (8111042-BS1)</u>										
Prepared & Analyzed: 21-Nov-08										
Zinc	1320		µg/l	7.50	1250		105	85-115		
Nickel	1250		µg/l	5.00	1250		100	85-115		
Lead	1260		µg/l	7.50	1250		100	85-115		
Thallium	1210		µg/l	5.00	1250		97	85-115		
Selenium	1230		µg/l	15.0	1250		99	85-115		
Antimony	1310		µg/l	6.00	1250		105	85-115		
Barium	1230		µg/l	5.00	1250		99	85-115		
Cadmium	1330		µg/l	2.50	1250		106	85-115		
Chromium	1250		µg/l	5.00	1250		100	85-115		
Arsenic	1240		µg/l	4.00	1250		99	85-115		
Beryllium	1230		µg/l	2.00	1250		99	85-115		
Vanadium	1220		µg/l	5.00	1250		98	85-115		
Silver	1250		µg/l	5.00	1250		100	85-115		
<u>LCS Dup (8111042-BSD1)</u>										
Prepared & Analyzed: 21-Nov-08										
Lead	1200		µg/l	7.50	1250		96	85-115	4	20
Thallium	1170		µg/l	5.00	1250		94	85-115	3	20
Antimony	1270		µg/l	6.00	1250		102	85-115	3	20
Selenium	1200		µg/l	15.0	1250		96	85-115	3	20
Nickel	1220		µg/l	5.00	1250		97	85-115	3	20
Zinc	1280		µg/l	7.50	1250		102	85-115	3	20
Barium	1200		µg/l	5.00	1250		96	85-115	3	20
Silver	1210		µg/l	5.00	1250		97	85-115	3	20
Chromium	1210		µg/l	5.00	1250		97	85-115	3	20
Vanadium	1180		µg/l	5.00	1250		95	85-115	4	20
Beryllium	1190		µg/l	2.00	1250		95	85-115	3	20
Cadmium	1290		µg/l	2.50	1250		103	85-115	3	20
Arsenic	1200		µg/l	4.00	1250		96	85-115	3	20
<u>Duplicate (8111042-DUP1)</u>										
Prepared & Analyzed: 21-Nov-08										
Thallium	3.80	J	µg/l	5.00		BRL				20
Zinc	22.6		µg/l	7.50		23.7			5	20
Selenium	BRL		µg/l	15.0		BRL				20

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Soluble Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch 8111042 - SW846 3005A										
Duplicate (8111042-DUP1)		Source: SA87401-01								
Prepared & Analyzed: 21-Nov-08										
Antimony	BRL		µg/l	6.00		BRL				20
Nickel	BRL		µg/l	5.00		BRL				20
Lead	12.6	QR8	µg/l	7.50		6.00			71	20
Barium	8.20		µg/l	5.00		7.90			3	20
Silver	BRL		µg/l	5.00		BRL				20
Beryllium	BRL		µg/l	2.00		BRL				20
Chromium	BRL		µg/l	5.00		BRL				20
Arsenic	BRL		µg/l	4.00		BRL				20
Cadmium	0.500	J	µg/l	2.50		BRL				20
Vanadium	BRL		µg/l	5.00		BRL				20
Matrix Spike (8111042-MS1)		Source: SA87401-02								
Prepared & Analyzed: 21-Nov-08										
Antimony	1300		µg/l	6.00	1250	BRL	104	75-125		
Zinc	1310		µg/l	7.50	1250	16.9	103	75-125		
Thallium	1190		µg/l	5.00	1250	BRL	95	75-125		
Selenium	1220		µg/l	15.0	1250	BRL	97	75-125		
Lead	1230		µg/l	7.50	1250	5.35	98	75-125		
Nickel	1230		µg/l	5.00	1250	4.50	98	75-125		
Beryllium	1210		µg/l	2.00	1250	BRL	97	75-125		
Chromium	1220		µg/l	5.00	1250	BRL	97	75-125		
Vanadium	1200		µg/l	5.00	1250	BRL	96	70-130		
Silver	1230		µg/l	5.00	1250	BRL	98	75-125		
Arsenic	1210		µg/l	4.00	1250	BRL	97	75-125		
Barium	1260		µg/l	5.00	1250	69.4	95	75-125		
Cadmium	1300		µg/l	2.50	1250	BRL	104	75-125		
Matrix Spike Dup (8111042-MSD1)		Source: SA87401-02								
Prepared & Analyzed: 21-Nov-08										
Nickel	1230		µg/l	5.00	1250	4.50	98	75-125	0.3	20
Zinc	1310		µg/l	7.50	1250	16.9	103	75-125	0.3	20
Thallium	1180		µg/l	5.00	1250	BRL	95	75-125	0.5	20
Selenium	1220		µg/l	15.0	1250	BRL	97	75-125	0.04	20
Lead	1220		µg/l	7.50	1250	5.35	97	75-125	0.6	20
Antimony	1290		µg/l	6.00	1250	BRL	103	75-125	0.4	20
Arsenic	1210		µg/l	4.00	1250	BRL	97	75-125	0	20
Silver	1230		µg/l	5.00	1250	BRL	98	75-125	0	20
Cadmium	1300		µg/l	2.50	1250	BRL	104	75-125	0.5	20
Barium	1260		µg/l	5.00	1250	69.4	95	75-125	0.04	20
Chromium	1220		µg/l	5.00	1250	BRL	98	75-125	0.6	20
Vanadium	1200		µg/l	5.00	1250	BRL	96	70-130	0.5	20
Beryllium	1200		µg/l	2.00	1250	BRL	96	75-125	0.8	20
Post Spike (8111042-PS1)		Source: SA87401-02								
Prepared & Analyzed: 21-Nov-08										
Thallium	1250		µg/l	5.00	1250	BRL	100	80-120		
Nickel	1270		µg/l	5.00	1250	4.50	101	80-120		
Lead	1280		µg/l	7.50	1250	5.35	102	80-120		
Zinc	1350		µg/l	7.50	1250	16.9	107	80-120		
Antimony	1320		µg/l	6.00	1250	BRL	106	80-120		
Selenium	1260		µg/l	15.0	1250	BRL	101	80-120		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 40 of 43

Soluble Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111042 - SW846 3005A										
Post Spike (8111042-PS1)		Source: SA87401-02								
Prepared & Analyzed: 21-Nov-08										
Barium	1320		µg/l	5.00	1250	69.4	100	80-120		
Chromium	1260		µg/l	5.00	1250	BRL	101	80-120		
Cadmium	1350		µg/l	2.50	1250	BRL	108	80-120		
Arsenic	1250		µg/l	4.00	1250	BRL	100	80-120		
Beryllium	1260		µg/l	2.00	1250	BRL	100	80-120		
Vanadium	1240		µg/l	5.00	1250	BRL	99	80-120		
Silver	1270		µg/l	5.00	1250	BRL	102	80-120		

Soluble Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8111043 - EPA200/SW7000 Series										
Blank (8111043-BLK1)										
Prepared: 21-Nov-08 Analyzed: 24-Nov-08										
Mercury	BRL		µg/l	0.200						
LCS (8111043-BS1)										
Prepared: 21-Nov-08 Analyzed: 24-Nov-08										
Mercury	4.48		µg/l	0.200	5.00		90	85-115		
Duplicate (8111043-DUP1) Source: SA87371-01										
Prepared: 21-Nov-08 Analyzed: 24-Nov-08										
Mercury	BRL		µg/l	0.200		BRL				20
Matrix Spike (8111043-MS1) Source: SA87371-02										
Prepared: 21-Nov-08 Analyzed: 24-Nov-08										
Mercury	4.99		µg/l	0.200	5.00	BRL	100	75-125		
Matrix Spike Dup (8111043-MSD1) Source: SA87371-02										
Prepared: 21-Nov-08 Analyzed: 24-Nov-08										
Mercury	4.61		µg/l	0.200	5.00	BRL	92	75-125	8	20
Post Spike (8111043-PS1) Source: SA87371-02										
Prepared: 21-Nov-08 Analyzed: 24-Nov-08										
Mercury	4.35		µg/l	0.200	5.00	BRL	87	85-115		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Notes and Definitions

QC1	Analyte out of acceptance range.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.


Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Rebecca Merz

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA		Project #: 12700058	
Project Location: Walpole Park South-Walpole, MA		MADEP RTN ¹ :	
This form provides certifications for the following data set: SA87371-01 through SA87371-09			
Sample matrices:	Aqueous Ground Water		
MCP SW-846 Methods Used	<input type="checkbox"/> 8260B	<input type="checkbox"/> 8151A	<input type="checkbox"/> 8330
	<input type="checkbox"/> 8270C	<input type="checkbox"/> 8081A	<input type="checkbox"/> VPH
	<input type="checkbox"/> 8082	<input type="checkbox"/> 8021B	<input type="checkbox"/> EPH
	<input checked="" type="checkbox"/> 6010B	<input checked="" type="checkbox"/> 7470A/1A	<input type="checkbox"/> 6020
		<input type="checkbox"/> 9014M ²	<input type="checkbox"/> 7000S ³
		<input type="checkbox"/> 7196A	
¹ List Release Tracking Number (RTN), if known ² M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method ³ S - SW-846 Methods 7000 Series List individual method and analyte			
An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status			
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?		<input type="checkbox"/> Yes <input type="checkbox"/> No
A response to questions E and F below is required for "Presumptive Certainty" status			
E	Were all analytical QC performance standards and recommendations for the specified methods achieved?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
All negative responses are addressed in a case narrative on the cover page of this report.			
<p>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</p> <div style="text-align: right;">  Hanibal C. Tayeh, Ph.D. President/Laboratory Director Date: 11/26/2008 </div>			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

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SPECTRUM ANALYTICAL, INC.
Framingham
MASSACHUSETTS
HANDLING TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- ☐ All TATs subject to laboratory approval.
- ☐ Min. 24-hour notification needed for rushes.
- ☐ Samples disposed of after 60 days unless otherwise instructed.

Report To:

Tetra Tech Rizzo

One Canal St

Framingham, MA 01701

Project Mgr.: Rory Johnson

P.O. No.: _____

RON: _____

Invoice To:

Accounting

Project No.: 12700058

Site Name: Walpole Park South

Location: Walpole

State: MA

Sampler(s): Kristen Libeyquist

Containers:

Analyses:

QA Reporting Notes:
(check if needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:

Sample Id:

Date:

Time:

Type

Matrix

Preservative

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

VOCs 624

MCP 14 metals

- ☒ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report
- ☒ QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards:
MA MCP GW-1

* Metals have been
field filtered

87371-01 R12-10-GW 11/11/08 14:35 G GW 3/4 R
-02 R12-8-GW 13:50
-03 R12-3-GW 11/11/08 15:40
-04 MW-9-GW 11:50
-05 MW-2-GW 9:50
-06 R12-9-GW 11:00
-07 MW-3-GW 8:35
-08 GAC-6-GW 9:20
-09 T-P Blank 11/10/08

Relinquished by:

Received by:

Date:

Time:

☐ Fax results when available to ()
☒ E-mail to royjohnson@tetra-tech.com
E-mail Format PDF, Excel w/all OLS & in ug/L
Condition upon receipt: ☒ Field ☐ Ambient ☐ 3.9

Rory Johnson

Rory Johnson

11/13/08 10:00 AM
11/20/08 17:15

Cecil

11 Almygren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com



ANALYTICAL REPORT

Lab Number:	L0818397
Client:	Tetra Tech Rizzo 1 Grant Street Framingham, MA 01701-9005
ATTN:	Ian Cannan
Project Name:	WALPOLE PARK SOUTH
Project Number:	12700058
Report Date:	12/23/08

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0818397
Report Date: 12/23/08

Alpha Sample ID

L0818397-01

Client ID

RIZ-10

Sample Location

WALPOLE, MA

Project Name: WALPOLE PARK SOUTH

Lab Number: L0818397

Project Number: 12700058

Report Date: 12/23/08

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	NO
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0818397
Report Date: 12/23/08

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

MCP Related Narratives

Sample Receipt

In reference to question C:

The samples were received at the laboratory requiring filtration for Dissolved Metals; however, the samples were received beyond the 24 hour holding time recommended for filtration. The samples were filtered and preserved appropriately.

Dissolved Metals

L0818397-01 has an elevated detection limit for Thallium due to the dilution required by the high concentrations of non-target analytes. The requested reporting limit was achieved.

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0818397
Report Date: 12/23/08


Case Narrative (continued)

In reference to question F:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 12/23/08

METALS

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0818397**Project Number:** 12700058**Report Date:** 12/23/08**SAMPLE RESULTS**

Lab ID: L0818397-01

Date Collected: 12/11/08 09:30

Client ID: RIZ-10

Date Received: 12/15/08

Sample Location: WALPOLE, MA

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Thallium, Dissolved	ND		mg/l	0.0020	4	12/16/08 11:15	12/17/08 00:50	EPA 3005A	64,6020A	BM

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0818397**Project Number:** 12700058**Report Date:** 12/23/08

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01 Batch: WG347338-1									
Thallium, Dissolved	ND		mg/l	0.0005	1	12/16/08 11:15	12/16/08 23:33	64,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** WALPOLE PARK SOUTH**Project Number:** 12700058**Lab Number:** L0818397**Report Date:** 12/23/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01 Batch: WG347338-2 WG347338-3					
Thallium, Dissolved	95	96	80-120	1	20

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0818397**Project Number:** 12700058**Report Date:** 12/23/08**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0818397-01A	Plastic 500ml unpreserved	A	7	2C	Y	Absent	-
L0818397-01B	Plastic 500ml HNO3 preserved spl	A	<2	2C	Y	Absent	MCP-TL-6020S(180)

*Hold days indicated by values in parentheses

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0818397
Report Date: 12/23/08

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD- Laboratory Control Sample Duplicate: Refer to LCS.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NI - Not Ignitable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- ND - Not detected at the reported detection limit for the sample.
- RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Project Name: WALPOLE PARK SOUTH
Project Number: 12700058

Lab Number: L0818397
Report Date: 12/23/08

REFERENCES

- 64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





CHAIN OF CUSTODY

PAGE OF

Project Information

Westborough, MA Mansfield, MA
 TEL: 508-898-9220 TEL: 508-822-9300
 FAX: 508-898-9193 FAX: 508-822-9288

Project Name: Walpole Park South

Project Location: Walpole, MA

Project #: 12700058

Project Manager: Ray Johnson

ALPHA Quote #:

Turn-Around Time

Phone: 508-903-2039

Fax: 508-903-2001

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Email: ian.cannan@tetratech.com
☐ These samples have been Previously analyzed by Alpha

Due Date: 12/21/08

Other Project Specific Requirements/Comments/Detection Limits:

DLs <RCGW-1

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection
Date TimeSample
MatrixSampler's
Initials

Dissolved Thallium

Date Rec'd in Lab:

12/15/08

ALPHA Job #:

10818397

Report Information Data Deliverables

Billing Information

☐ FAX ☒ EMAIL

☒ Same as Client info

PO #:

☒ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

MA MCP CAM

RCGW-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING

Filtration

☐ Done

☐ Not Needed

☒ Lab to do

☒ Lab to do

☒ Lab to do
(Please specify below)
Sample Specific
Comments

Lab to filter

1

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?FORM NO. 01-01(1)
(rev. 05-01-07)

Relinquished By:

Container Type
Preservative

Date/Time

Received By:

Date/Time

Please print clearly, legibly
and completely. Samples can
not be logged in and
turnaround time clock will not
start until any ambiguities are
resolved. All samples
submitted are subject to
Alpha's Payment Terms.

Paul D. Johnson

12-15-08

Paul D. Johnson

12-15-08

12/15/08



ANALYTICAL REPORT

Lab Number: L0907670

Client: Tetra Tech Rizzo
1 Grant Street
Framingham, MA 01701-9005

ATTN: Ray Johnson

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Report Date: 06/17/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907670-01	RIZ-10	WALPOLE, MA	06/10/09 13:00
L0907670-02	RIZ-8	WALPOLE, MA	06/10/09 13:28
L0907670-03	RIZ-8S	WALPOLE, MA	06/10/09 13:18
L0907670-04	MW-9	WALPOLE, MA	06/10/09 13:45
L0907670-05	GHC-6	WALPOLE, MA	06/10/09 14:05
L0907670-06	RIZ-3	WALPOLE, MA	06/10/09 14:12
L0907670-07	MW-2	WALPOLE, MA	06/10/09 14:26
L0907670-08	RIZ-9	WALPOLE, MA	06/10/09 14:41

Project Name: WALPOLE PARK SOUTH

Lab Number: L0907670

Project Number: 12700053

Report Date: 06/17/09

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt


The samples were Field Filtered for Dissolved Metals only.

Metals

L0907670-01 through -08 have elevated detection limits for Antimony and Thallium due to the dilutions required by the high concentrations of non-target analytes. The requested reporting limits were achieved.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 06/17/09

ORGANICS

VOLATILES

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907670-01
Client ID: RIZ-10
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 14:10
Analyst: TT

Date Collected: 06/10/09 13:00
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-01**Date Collected:** 06/10/09 13:00**Client ID:** RIZ-10**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	105		80-120
4-Bromofluorobenzene	83		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907670-02
Client ID: RIZ-8
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 14:47
Analyst: TT

Date Collected: 06/10/09 13:28
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-02**Date Collected:** 06/10/09 13:28**Client ID:** RIZ-8**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	107		80-120
4-Bromofluorobenzene	83		80-120

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-03
Client ID: RIZ-8S
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 15:24
Analyst: TT

Date Collected: 06/10/09 13:18
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	0.71		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-03
 Client ID: RIZ-8S
 Sample Location: WALPOLE, MA

Date Collected: 06/10/09 13:18
 Date Received: 06/11/09
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	106		80-120
4-Bromofluorobenzene	84		80-120

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-04
Client ID: MW-9
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 16:01
Analyst: TT

Date Collected: 06/10/09 13:45
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	0.75		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-04**Date Collected:** 06/10/09 13:45**Client ID:** MW-9**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	106		80-120
4-Bromofluorobenzene	84		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907670-05
Client ID: GHC-6
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 16:38
Analyst: TT

Date Collected: 06/10/09 14:05
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-05
 Client ID: GHC-6
 Sample Location: WALPOLE, MA

Date Collected: 06/10/09 14:05
 Date Received: 06/11/09
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		80-120
4-Bromofluorobenzene	84		80-120

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-06
Client ID: RIZ-3
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 17:15
Analyst: TT

Date Collected: 06/10/09 14:12
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-06
 Client ID: RIZ-3
 Sample Location: WALPOLE, MA

Date Collected: 06/10/09 14:12
 Date Received: 06/11/09
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	107		80-120
4-Bromofluorobenzene	83		80-120

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-07
Client ID: MW-2
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 17:52
Analyst: TT

Date Collected: 06/10/09 14:26
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	1.0		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-07**Date Collected:** 06/10/09 14:26**Client ID:** MW-2**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	108		80-120
4-Bromofluorobenzene	84		80-120

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907670-08
Client ID: RIZ-9
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/12/09 18:29
Analyst: TT

Date Collected: 06/10/09 14:41
Date Received: 06/11/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-08**Date Collected:** 06/10/09 14:41**Client ID:** RIZ-9**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	105		80-120
4-Bromofluorobenzene	84		80-120

Project Name: WALPOLE PARK SOUTH

Lab Number: L0907670

Project Number: 12700053

Report Date: 06/17/09

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 06/12/09 08:00
 Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG366434-4				
Methylene chloride	ND		ug/l	0.50
1,1-Dichloroethane	ND		ug/l	0.50
Chloroform	ND		ug/l	0.50
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	0.50
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.50
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	0.50
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.50
Ethylbenzene	ND		ug/l	0.50
p/m-Xylene	ND		ug/l	0.50
Chloromethane	ND		ug/l	0.50
Bromomethane	ND		ug/l	0.50
Vinyl chloride	ND		ug/l	0.50
Chloroethane	ND		ug/l	0.50
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.50
cis-1,2-Dichloroethene	ND		ug/l	0.50
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	0.50
1,3-Dichlorobenzene	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH

Lab Number: L0907670

Project Number: 12700053

Report Date: 06/17/09

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 06/12/09 08:00
 Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG366434-4				
1,4-Dichlorobenzene	ND		ug/l	0.50
Styrene	ND		ug/l	0.50
o-Xylene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	0.50
2,2-Dichloropropane	ND		ug/l	0.50
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
1,2,3-Trichloropropane	ND		ug/l	0.50
Bromochloromethane	ND		ug/l	0.50
n-Butylbenzene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	0.50
Hexachlorobutadiene	ND		ug/l	0.50
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	0.50
n-Propylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	0.50
1,2,3-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trimethylbenzene	ND		ug/l	0.50
1,3,5-Trimethylbenzene	ND		ug/l	0.50
Bromobenzene	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	0.50
p-Chlorotoluene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	0.50
1,2-Dibromoethane	ND		ug/l	0.50
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50
1,3-Dichloropropane	ND		ug/l	0.50
Methyl tert butyl ether	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2
Analytical Date: 06/12/09 08:00
Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG366434-4				

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	106		80-120
4-Bromofluorobenzene	87		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG366434-3					
Methylene chloride	101	-	70-130	-	
1,1-Dichloroethane	96	-	70-130	-	
Chloroform	99	-	70-130	-	
Carbon tetrachloride	91	-	70-130	-	
1,2-Dichloropropane	97	-	70-130	-	
Dibromochloromethane	91	-	70-130	-	
1,1,2-Trichloroethane	97	-	70-130	-	
Tetrachloroethene	94	-	70-130	-	
Chlorobenzene	97	-	70-130	-	
Trichlorofluoromethane	100	-	70-130	-	
1,2-Dichloroethane	93	-	70-130	-	
1,1,1-Trichloroethane	91	-	70-130	-	
Bromodichloromethane	94	-	70-130	-	
trans-1,3-Dichloropropene	85	-	70-130	-	
cis-1,3-Dichloropropene	85	-	70-130	-	
Bromoform	92	-	70-130	-	
1,1,2,2-Tetrachloroethane	106	-	70-130	-	
Benzene	98	-	70-130	-	
Toluene	91	-	70-130	-	
Ethylbenzene	96	-	70-130	-	
p/m-Xylene	98	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG366434-3					
Chloromethane	112	-	70-130	-	
Bromomethane	114	-	70-130	-	
Vinyl chloride	104	-	70-130	-	
Chloroethane	104	-	70-130	-	
1,1-Dichloroethene	98	-	70-130	-	
trans-1,2-Dichloroethene	95	-	70-130	-	
cis-1,2-Dichloroethene	92	-	70-130	-	
Trichloroethene	86	-	70-130	-	
1,2-Dichlorobenzene	97	-	70-130	-	
1,3-Dichlorobenzene	96	-	70-130	-	
1,4-Dichlorobenzene	95	-	70-130	-	
Styrene	96	-	70-130	-	
o-Xylene	91	-	70-130	-	
1,1-Dichloropropene	92	-	70-130	-	
2,2-Dichloropropane	94	-	70-130	-	
1,1,1,2-Tetrachloroethane	95	-	70-130	-	
1,2,3-Trichloropropane	97	-	70-130	-	
Bromochloromethane	100	-	70-130	-	
n-Butylbenzene	94	-	70-130	-	
Dichlorodifluoromethane	105	-	70-130	-	
Hexachlorobutadiene	100	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG366434-3					
Isopropylbenzene	96	-	70-130	-	
p-Isopropyltoluene	93	-	70-130	-	
Naphthalene	75	-	70-130	-	
n-Propylbenzene	96	-	70-130	-	
sec-Butylbenzene	96	-	70-130	-	
tert-Butylbenzene	94	-	70-130	-	
1,2,3-Trichlorobenzene	89	-	70-130	-	
1,2,4-Trichlorobenzene	90	-	70-130	-	
1,2,4-Trimethylbenzene	89	-	70-130	-	
1,3,5-Trimethylbenzene	87	-	70-130	-	
Bromobenzene	102	-	70-130	-	
o-Chlorotoluene	98	-	70-130	-	
p-Chlorotoluene	93	-	70-130	-	
Dibromomethane	94	-	70-130	-	
1,2-Dibromoethane	94	-	70-130	-	
1,2-Dibromo-3-chloropropane	103	-	70-130	-	
1,3-Dichloropropane	92	-	70-130	-	
Methyl tert butyl ether	88	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG366434-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	102				80-120
4-Bromofluorobenzene	97				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-5 QC Sample: L0907641-01 Client ID: MS Sample									
Methylene chloride	ND	4	4.1	103	-	-	70-130	-	20
1,1-Dichloroethane	ND	4	4.2	106	-	-	70-130	-	20
Chloroform	ND	4	4.0	101	-	-	70-130	-	20
Carbon tetrachloride	ND	4	4.1	102	-	-	70-130	-	20
1,2-Dichloropropane	ND	4	4.0	100	-	-	70-130	-	20
Dibromochloromethane	ND	4	3.6	90	-	-	70-130	-	20
1,1,2-Trichloroethane	ND	4	3.8	95	-	-	70-130	-	20
Tetrachloroethene	ND	4	4.0	101	-	-	70-130	-	20
Chlorobenzene	ND	4	4.1	102	-	-	70-130	-	20
Trichlorofluoromethane	ND	4	4.4	109	-	-	70-130	-	20
1,2-Dichloroethane	ND	4	4.0	100	-	-	70-130	-	20
1,1,1-Trichloroethane	ND	4	4.0	101	-	-	70-130	-	20
Bromodichloromethane	ND	4	3.8	95	-	-	70-130	-	20
trans-1,3-Dichloropropene	ND	4	3.0	75	-	-	70-130	-	20
cis-1,3-Dichloropropene	ND	4	3.7	93	-	-	70-130	-	20
Bromoform	ND	4	3.5	88	-	-	70-130	-	20
1,1,2,2-Tetrachloroethane	ND	4	4.1	103	-	-	70-130	-	20
Benzene	ND	4	4.2	105	-	-	70-130	-	20
Toluene	ND	4	3.8	96	-	-	70-130	-	20
Ethylbenzene	ND	4	4.0	100	-	-	70-130	-	20
p/m-Xylene	ND	8	7.9	99	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-5 QC Sample: L0907641-01 Client ID: MS Sample									
Chloromethane	ND	4	4.2	104	-	-	70-130	-	20
Bromomethane	ND	4	4.7	117	-	-	70-130	-	20
Vinyl chloride	ND	4	5.2	131	-	-	70-130	-	20
Chloroethane	ND	4	4.6	115	-	-	70-130	-	20
1,1-Dichloroethene	ND	4	4.4	111	-	-	70-130	-	20
trans-1,2-Dichloroethene	ND	4	4.2	105	-	-	70-130	-	20
cis-1,2-Dichloroethene	ND	4	3.9	99	-	-	70-130	-	20
Trichloroethene	ND	4	3.8	96	-	-	70-130	-	20
1,2-Dichlorobenzene	ND	4	3.8	95	-	-	70-130	-	20
1,3-Dichlorobenzene	ND	4	3.8	96	-	-	70-130	-	20
1,4-Dichlorobenzene	ND	4	3.7	93	-	-	70-130	-	20
Styrene	ND	4	3.8	94	-	-	70-130	-	20
o-Xylene	ND	4	3.7	94	-	-	70-130	-	20
1,1-Dichloropropene	ND	4	3.8	96	-	-	70-130	-	20
2,2-Dichloropropane	ND	4	4.1	103	-	-	70-130	-	20
1,1,1,2-Tetrachloroethane	ND	4	3.7	92	-	-	70-130	-	20
1,2,3-Trichloropropane	ND	4	3.8	94	-	-	70-130	-	20
Bromochloromethane	ND	4	4.0	101	-	-	70-130	-	20
n-Butylbenzene	ND	4	3.9	98	-	-	70-130	-	20
Dichlorodifluoromethane	ND	4	3.8	96	-	-	70-130	-	20
Hexachlorobutadiene	ND	4	4.1	102	-	-	70-130	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-5 QC Sample: L0907641-01 Client ID: MS Sample									
Isopropylbenzene	ND	4	3.5	88	-	-	70-130	-	20
p-Isopropyltoluene	ND	4	3.7	92	-	-	70-130	-	20
Naphthalene	ND	4	3.0	76	-	-	70-130	-	20
n-Propylbenzene	ND	4	4.0	100	-	-	70-130	-	20
sec-Butylbenzene	ND	4	3.9	98	-	-	70-130	-	20
tert-Butylbenzene	ND	4	3.9	97	-	-	70-130	-	20
1,2,3-Trichlorobenzene	ND	4	3.4	86	-	-	70-130	-	20
1,2,4-Trichlorobenzene	ND	4	3.6	89	-	-	70-130	-	20
1,2,4-Trimethylbenzene	ND	4	3.6	91	-	-	70-130	-	20
1,3,5-Trimethylbenzene	ND	4	3.5	87	-	-	70-130	-	20
Bromobenzene	ND	4	4.0	100	-	-	70-130	-	20
o-Chlorotoluene	ND	4	4.0	100	-	-	70-130	-	20
p-Chlorotoluene	ND	4	3.7	92	-	-	70-130	-	20
Dibromomethane	ND	4	3.9	98	-	-	70-130	-	20
1,2-Dibromoethane	ND	4	3.7	92	-	-	70-130	-	20
1,2-Dibromo-3-chloropropane	ND	4	3.4	86	-	-	70-130	-	20
1,3-Dichloropropane	ND	4	3.6	90	-	-	70-130	-	20
Methyl tert butyl ether	ND	4	3.5	88	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-5 QC Sample: L0907641-01 Client ID: MS Sample

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101				80-120
4-Bromofluorobenzene	96				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-6 QC Sample: L0907641-02 Client ID: DUP Sample					
Methylene chloride	ND	ND	ug/l	NC	20
1,1-Dichloroethane	ND	ND	ug/l	NC	20
Chloroform	ND	ND	ug/l	NC	20
Carbon tetrachloride	ND	ND	ug/l	NC	20
1,2-Dichloropropane	ND	ND	ug/l	NC	20
Dibromochloromethane	ND	ND	ug/l	NC	20
1,1,2-Trichloroethane	ND	ND	ug/l	NC	20
Tetrachloroethene	ND	ND	ug/l	NC	20
Chlorobenzene	ND	ND	ug/l	NC	20
Trichlorofluoromethane	ND	ND	ug/l	NC	20
1,2-Dichloroethane	ND	ND	ug/l	NC	20
1,1,1-Trichloroethane	ND	ND	ug/l	NC	20
Bromodichloromethane	ND	ND	ug/l	NC	20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	20
Bromoform	ND	ND	ug/l	NC	20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	20
Benzene	ND	ND	ug/l	NC	20
Toluene	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-6 QC Sample: L0907641-02 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-6 QC Sample: L0907641-02 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG366434-6 QC Sample: L0907641-02 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	104		106		80-120
4-Bromofluorobenzene	85		85		80-120

METALS

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-01

Date Collected: 06/10/09 13:00

Client ID: RIZ-10

Date Received: 06/11/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:05	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.148		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 10:55	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:05	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:18	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-02**Date Collected:** 06/10/09 13:28**Client ID:** RIZ-8**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative**Matrix:** Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:34	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.026		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 10:56	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:34	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:24	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-03

Date Collected: 06/10/09 13:18

Client ID: RIZ-8S

Date Received: 06/11/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:40	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.051		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 10:58	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:40	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:26	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-04**Date Collected:** 06/10/09 13:45**Client ID:** MW-9**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative**Matrix:** Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:46	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.029		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 11:00	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:46	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:29	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-05

Date Collected: 06/10/09 14:05

Client ID: GHC-6

Date Received: 06/11/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:52	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.066		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 11:02	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:52	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:32	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-06

Date Collected: 06/10/09 14:12

Client ID: RIZ-3

Date Received: 06/11/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:57	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.013		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 11:04	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 01:57	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:42	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS****Lab ID:** L0907670-07**Date Collected:** 06/10/09 14:26**Client ID:** MW-2**Date Received:** 06/11/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative**Matrix:** Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 02:03	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.070		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 11:05	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 02:03	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:45	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH**Lab Number:** L0907670**Project Number:** 12700053**Report Date:** 06/17/09**SAMPLE RESULTS**

Lab ID: L0907670-08

Date Collected: 06/10/09 14:41

Client ID: RIZ-9

Date Received: 06/11/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 02:09	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.015		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 11:11	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/12/09 11:00	06/17/09 02:09	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:48	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L0907670

Project Number: 12700053

Report Date: 06/17/09

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG366599-1									
Arsenic, Dissolved	ND		mg/l	0.005	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Nickel, Dissolved	ND		mg/l	0.025	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Vanadium, Dissolved	ND		mg/l	0.010	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/12/09 11:00	06/15/09 16:07	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG366913-1									
Mercury, Dissolved	ND		mg/l	0.0002	1	06/15/09 17:15	06/16/09 10:49	64,7470A	EZ

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG367081-1									
Antimony, Dissolved	ND		mg/l	0.0005	1	06/12/09 11:00	06/17/09 00:42	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	1	06/12/09 11:00	06/17/09 00:42	64,6020A	BM

Project Name: WALPOLE PARK SOUTH

Lab Number: L0907670

Project Number: 12700053

Report Date: 06/17/09

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG366599-2 WG366599-3					
Arsenic, Dissolved	113	114	80-120	1	20
Barium, Dissolved	106	106	80-120	0	20
Beryllium, Dissolved	107	106	80-120	1	20
Cadmium, Dissolved	116	115	80-120	1	20
Chromium, Dissolved	105	105	80-120	0	20
Lead, Dissolved	110	111	80-120	1	20
Nickel, Dissolved	105	105	80-120	0	20
Selenium, Dissolved	113	117	80-120	3	20
Silver, Dissolved	110	109	80-120	1	20
Vanadium, Dissolved	106	105	80-120	1	20
Zinc, Dissolved	110	111	80-120	1	20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG366913-2 WG366913-3					
Mercury, Dissolved	98	93	80-120	5	20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG367081-2 WG367081-3					
Antimony, Dissolved	106	106	80-120	2	20
Thallium, Dissolved	96	96	80-120	1	20

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907670-01A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-01B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-01C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-02A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-02B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-02C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-03A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-03B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-03C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-04A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-04B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)

*Hold days indicated by values in parentheses



Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0907670

Report Date: 06/17/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907670-04C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-05A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-05B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-05C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-06A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-06B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-06C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-07A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-07B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-07C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0907670-08A	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)
L0907670-08B	Vial Ascorbic Acid/HCl preserved	A	N/A	3	Y	Absent	524.2(14)

*Hold days indicated by values in parentheses



Project Name: WALPOLE PARK SOUTH**Project Number:** 12700053**Lab Number:** L0907670**Report Date:** 06/17/09**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal
L0907670-08C	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent

Analysis

MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)

*Hold days indicated by values in parentheses



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	- Not detected at the reported detection limit for the sample.
NI	- Not Ignitable.
RDL	- Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0907670
Report Date: 06/17/09

REFERENCES

- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.
- 64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised June 17, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. NELAP Accredited Solid Waste/Soil.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water

Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Ti,V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water) 600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.*Drinking Water*

Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.2/1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500CI-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃F, EPA 354.1, SM4500-NO₂-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)



ANALYTICAL REPORT

Lab Number: L0908197

Client: Tetra Tech Rizzo
1 Grant Street
Framingham, MA 01701-9005

ATTN: Ian Cannan

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Report Date: 06/25/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0908197-01	MW-3	WALPOLE, MA	06/08/09 18:46

Project Name: WALPOLE PARK SOUTH

Lab Number: L0908197

Project Number: 12700053

Report Date: 06/25/09

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt


The samples were Field Filtered for Dissolved Metals only.

Metals

L0908197-01 has elevated detection limits for Antimony and Thallium, due to the dilutions required by the high concentrations of non-target analytes. The requested reporting limits were achieved.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 06/25/09

ORGANICS

VOLATILES

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0908197**Project Number:** 12700053**Report Date:** 06/25/09**SAMPLE RESULTS**

Lab ID: L0908197-01
Client ID: MW-3
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/10/09 11:24
Analyst: TT

Date Collected: 06/08/09 18:46
Date Received: 06/09/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	0.50	1
1,1-Dichloroethane	ND		ug/l	0.50	1
Chloroform	ND		ug/l	0.50	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	0.50	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.50	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.50	1
Ethylbenzene	ND		ug/l	0.50	1
p/m-Xylene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	0.50	1
Bromomethane	ND		ug/l	0.50	1
Vinyl chloride	ND		ug/l	0.50	1
Chloroethane	ND		ug/l	0.50	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	0.50	1

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0908197**Project Number:** 12700053**Report Date:** 06/25/09**SAMPLE RESULTS****Lab ID:** L0908197-01**Date Collected:** 06/08/09 18:46**Client ID:** MW-3**Date Received:** 06/09/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	ND		ug/l	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		80-120
4-Bromofluorobenzene	89		80-120

Project Name: WALPOLE PARK SOUTH

Lab Number: L0908197

Project Number: 12700053

Report Date: 06/25/09

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 06/10/09 09:33
 Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG365758-8				
Methylene chloride	ND		ug/l	0.50
1,1-Dichloroethane	ND		ug/l	0.50
Chloroform	ND		ug/l	0.50
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	0.50
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.50
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	0.50
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.50
Ethylbenzene	ND		ug/l	0.50
p/m-Xylene	ND		ug/l	0.50
Chloromethane	ND		ug/l	0.50
Bromomethane	ND		ug/l	0.50
Vinyl chloride	ND		ug/l	0.50
Chloroethane	ND		ug/l	0.50
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.50
cis-1,2-Dichloroethene	ND		ug/l	0.50
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	0.50
1,3-Dichlorobenzene	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH

Lab Number: L0908197

Project Number: 12700053

Report Date: 06/25/09

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 06/10/09 09:33
 Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG365758-8				
1,4-Dichlorobenzene	ND		ug/l	0.50
Styrene	ND		ug/l	0.50
o-Xylene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	0.50
2,2-Dichloropropane	ND		ug/l	0.50
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
1,2,3-Trichloropropane	ND		ug/l	0.50
Bromochloromethane	ND		ug/l	0.50
n-Butylbenzene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	0.50
Hexachlorobutadiene	ND		ug/l	0.50
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	0.50
n-Propylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	0.50
1,2,3-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trichlorobenzene	ND		ug/l	0.50
1,2,4-Trimethylbenzene	ND		ug/l	0.50
1,3,5-Trimethylbenzene	ND		ug/l	0.50
Bromobenzene	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	0.50
p-Chlorotoluene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	0.50
1,2-Dibromoethane	ND		ug/l	0.50
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50
1,3-Dichloropropane	ND		ug/l	0.50
Methyl tert butyl ether	ND		ug/l	0.50

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0908197**Project Number:** 12700053**Report Date:** 06/25/09**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2

Analytical Date: 06/10/09 09:33

Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG365758-8				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	107		80-120
4-Bromofluorobenzene	88		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG365758-7					
Methylene chloride	90	-	70-130	-	
1,1-Dichloroethane	91	-	70-130	-	
Chloroform	91	-	70-130	-	
Carbon tetrachloride	85	-	70-130	-	
1,2-Dichloropropane	88	-	70-130	-	
Dibromochloromethane	78	-	70-130	-	
1,1,2-Trichloroethane	82	-	70-130	-	
Tetrachloroethene	92	-	70-130	-	
Chlorobenzene	86	-	70-130	-	
Trichlorofluoromethane	93	-	70-130	-	
1,2-Dichloroethane	88	-	70-130	-	
1,1,1-Trichloroethane	86	-	70-130	-	
Bromodichloromethane	81	-	70-130	-	
trans-1,3-Dichloropropene	77	-	70-130	-	
cis-1,3-Dichloropropene	75	-	70-130	-	
Bromoform	80	-	70-130	-	
1,1,2,2-Tetrachloroethane	90	-	70-130	-	
Benzene	92	-	70-130	-	
Toluene	89	-	70-130	-	
Ethylbenzene	86	-	70-130	-	
p/m-Xylene	87	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG365758-7					
Chloromethane	100	-	70-130	-	
Bromomethane	105	-	70-130	-	
Vinyl chloride	99	-	70-130	-	
Chloroethane	101	-	70-130	-	
1,1-Dichloroethene	96	-	70-130	-	
trans-1,2-Dichloroethene	89	-	70-130	-	
cis-1,2-Dichloroethene	86	-	70-130	-	
Trichloroethene	82	-	70-130	-	
1,2-Dichlorobenzene	84	-	70-130	-	
1,3-Dichlorobenzene	85	-	70-130	-	
1,4-Dichlorobenzene	85	-	70-130	-	
Styrene	83	-	70-130	-	
o-Xylene	81	-	70-130	-	
1,1-Dichloropropene	85	-	70-130	-	
2,2-Dichloropropane	88	-	70-130	-	
1,1,1,2-Tetrachloroethane	82	-	70-130	-	
1,2,3-Trichloropropane	83	-	70-130	-	
Bromochloromethane	91	-	70-130	-	
n-Butylbenzene	84	-	70-130	-	
Dichlorodifluoromethane	82	-	70-130	-	
Hexachlorobutadiene	92	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG365758-7					
Isopropylbenzene	85	-	70-130	-	
p-Isopropyltoluene	80	-	70-130	-	
Naphthalene	70	-	70-130	-	
n-Propylbenzene	82	-	70-130	-	
sec-Butylbenzene	83	-	70-130	-	
tert-Butylbenzene	82	-	70-130	-	
1,2,3-Trichlorobenzene	78	-	70-130	-	
1,2,4-Trichlorobenzene	81	-	70-130	-	
1,2,4-Trimethylbenzene	76	-	70-130	-	
1,3,5-Trimethylbenzene	73	-	70-130	-	
Bromobenzene	89	-	70-130	-	
o-Chlorotoluene	83	-	70-130	-	
p-Chlorotoluene	79	-	70-130	-	
Dibromomethane	85	-	70-130	-	
1,2-Dibromoethane	77	-	70-130	-	
1,2-Dibromo-3-chloropropane	78	-	70-130	-	
1,3-Dichloropropane	80	-	70-130	-	
Methyl tert butyl ether	73	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Lab Number: L0908197

Project Number: 12700053

Report Date: 06/25/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG365758-7

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	105				80-120
4-Bromofluorobenzene	97				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01				QC Batch ID: WG365758-3		QC Sample: L0907367-02		Client ID: MS Sample	
Methylene chloride	ND	4	4.0	100	-	-	70-130	-	20
1,1-Dichloroethane	ND	4	4.2	106	-	-	70-130	-	20
Chloroform	ND	4	4.0	101	-	-	70-130	-	20
Carbon tetrachloride	ND	4	4.2	104	-	-	70-130	-	20
1,2-Dichloropropane	ND	4	4.0	99	-	-	70-130	-	20
Dibromochloromethane	ND	4	3.7	94	-	-	70-130	-	20
1,1,2-Trichloroethane	ND	4	4.0	100	-	-	70-130	-	20
Tetrachloroethene	ND	4	4.2	105	-	-	70-130	-	20
Chlorobenzene	ND	4	4.0	99	-	-	70-130	-	20
Trichlorofluoromethane	ND	4	4.3	107	-	-	70-130	-	20
1,2-Dichloroethane	ND	4	4.3	107	-	-	70-130	-	20
1,1,1-Trichloroethane	ND	4	4.2	104	-	-	70-130	-	20
Bromodichloromethane	ND	4	3.8	96	-	-	70-130	-	20
trans-1,3-Dichloropropene	ND	4	3.2	81	-	-	70-130	-	20
cis-1,3-Dichloropropene	ND	4	3.9	97	-	-	70-130	-	20
Bromoform	ND	4	3.5	87	-	-	70-130	-	20
1,1,2,2-Tetrachloroethane	ND	4	4.0	100	-	-	70-130	-	20
Benzene	ND	4	4.2	104	-	-	70-130	-	20
Toluene	ND	4	4.0	99	-	-	70-130	-	20
Ethylbenzene	ND	4	3.9	99	-	-	70-130	-	20
p/m-Xylene	ND	8	8.0	100	-	-	70-130	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01				QC Batch ID: WG365758-3		QC Sample: L0907367-02		Client ID: MS Sample	
Chloromethane	ND	4	4.0	100	-	-	70-130	-	20
Bromomethane	ND	4	4.7	119	-	-	70-130	-	20
Vinyl chloride	ND	4	5.1	128	-	-	70-130	-	20
Chloroethane	ND	4	4.6	114	-	-	70-130	-	20
1,1-Dichloroethene	ND	4	4.4	110	-	-	70-130	-	20
trans-1,2-Dichloroethene	ND	4	4.1	102	-	-	70-130	-	20
cis-1,2-Dichloroethene	ND	4	3.9	96	-	-	70-130	-	20
Trichloroethene	ND	4	3.9	97	-	-	70-130	-	20
1,2-Dichlorobenzene	ND	4	3.8	95	-	-	70-130	-	20
1,3-Dichlorobenzene	ND	4	3.8	95	-	-	70-130	-	20
1,4-Dichlorobenzene	ND	4	3.7	93	-	-	70-130	-	20
Styrene	ND	4	3.7	92	-	-	70-130	-	20
o-Xylene	ND	4	3.7	92	-	-	70-130	-	20
1,1-Dichloropropene	ND	4	3.9	97	-	-	70-130	-	20
2,2-Dichloropropane	ND	4	4.2	106	-	-	70-130	-	20
1,1,1,2-Tetrachloroethane	ND	4	3.7	92	-	-	70-130	-	20
1,2,3-Trichloropropane	ND	4	3.8	94	-	-	70-130	-	20
Bromochloromethane	ND	4	4.0	101	-	-	70-130	-	20
n-Butylbenzene	ND	4	3.9	98	-	-	70-130	-	20
Dichlorodifluoromethane	ND	4	3.9	97	-	-	70-130	-	20
Hexachlorobutadiene	ND	4	4.1	102	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01				QC Batch ID: WG365758-3		QC Sample: L0907367-02		Client ID: MS Sample	
Isopropylbenzene	ND	4	3.5	87	-	-	70-130	-	20
p-Isopropyltoluene	ND	4	3.6	91	-	-	70-130	-	20
Naphthalene	ND	4	3.2	80	-	-	70-130	-	20
n-Propylbenzene	ND	4	3.9	98	-	-	70-130	-	20
sec-Butylbenzene	ND	4	3.9	98	-	-	70-130	-	20
tert-Butylbenzene	ND	4	3.8	95	-	-	70-130	-	20
1,2,3-Trichlorobenzene	ND	4	3.6	90	-	-	70-130	-	20
1,2,4-Trichlorobenzene	ND	4	3.6	91	-	-	70-130	-	20
1,2,4-Trimethylbenzene	ND	4	3.5	88	-	-	70-130	-	20
1,3,5-Trimethylbenzene	ND	4	3.4	85	-	-	70-130	-	20
Bromobenzene	ND	4	4.0	100	-	-	70-130	-	20
o-Chlorotoluene	ND	4	3.9	98	-	-	70-130	-	20
p-Chlorotoluene	ND	4	3.6	90	-	-	70-130	-	20
Dibromomethane	ND	4	3.8	96	-	-	70-130	-	20
1,2-Dibromoethane	ND	4	3.8	95	-	-	70-130	-	20
1,2-Dibromo-3-chloropropane	ND	4	3.7	93	-	-	70-130	-	20
1,3-Dichloropropane	ND	4	3.8	95	-	-	70-130	-	20
Methyl tert butyl ether	ND	4	3.6	91	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365758-3 QC Sample: L0907367-02 Client ID: MS Sample									

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	100				80-120
4-Bromofluorobenzene	99				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365758-4 QC Sample: L0907367-03 Client ID: DUP Sample					
Methylene chloride	ND	ND	ug/l	NC	20
1,1-Dichloroethane	ND	ND	ug/l	NC	20
Chloroform	ND	ND	ug/l	NC	20
Carbon tetrachloride	ND	ND	ug/l	NC	20
1,2-Dichloropropane	ND	ND	ug/l	NC	20
Dibromochloromethane	ND	ND	ug/l	NC	20
1,1,2-Trichloroethane	ND	ND	ug/l	NC	20
Tetrachloroethene	ND	ND	ug/l	NC	20
Chlorobenzene	ND	ND	ug/l	NC	20
Trichlorofluoromethane	ND	ND	ug/l	NC	20
1,2-Dichloroethane	ND	ND	ug/l	NC	20
1,1,1-Trichloroethane	ND	ND	ug/l	NC	20
Bromodichloromethane	ND	ND	ug/l	NC	20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	20
Bromoform	ND	ND	ug/l	NC	20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	20
Benzene	ND	ND	ug/l	NC	20
Toluene	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365758-4 QC Sample: L0907367-03 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365758-4 QC Sample: L0907367-03 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365758-4 QC Sample: L0907367-03 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		104		80-120
4-Bromofluorobenzene	86		89		80-120

METALS

Project Name: WALPOLE PARK SOUTH**Lab Number:** L0908197**Project Number:** 12700053**Report Date:** 06/25/09**SAMPLE RESULTS**

Lab ID: L0908197-01

Date Collected: 06/08/09 18:46

Client ID: MW-3

Date Received: 06/09/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	06/24/09 13:20	06/24/09 21:29	EPA 3005A	64,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.021		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	06/12/09 18:30	06/14/09 13:38	EPA 7470A	64,7470A	DM
Nickel, Dissolved	ND		mg/l	0.025	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	06/24/09 13:20	06/24/09 21:29	EPA 3005A	64,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/10/09 10:10	06/12/09 11:17	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L0908197

Project Number: 12700053

Report Date: 06/25/09

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG366161-1									
Arsenic, Dissolved	ND		mg/l	0.005	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Nickel, Dissolved	ND		mg/l	0.025	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Vanadium, Dissolved	ND		mg/l	0.010	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	06/10/09 10:10	06/12/09 11:01	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG368174-1									
Mercury, Dissolved	ND		mg/l	0.0002	1	06/12/09 18:30	06/14/09 13:14	64,7470A	DM

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG368197-1									
Antimony, Dissolved	ND		mg/l	0.0005	1	06/24/09 13:20	06/24/09 20:48	64,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	1	06/24/09 13:20	06/24/09 20:48	64,6020A	BM

Project Name: WALPOLE PARK SOUTH

Lab Number: L0908197

Project Number: 12700053

Report Date: 06/25/09

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700053

Lab Number: L0908197

Report Date: 06/25/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG366161-2 WG366161-3					
Arsenic, Dissolved	114	114	80-120	0	20
Barium, Dissolved	103	102	80-120	1	20
Beryllium, Dissolved	98	96	80-120	2	20
Cadmium, Dissolved	111	111	80-120	0	20
Chromium, Dissolved	95	95	80-120	0	20
Lead, Dissolved	107	107	80-120	0	20
Nickel, Dissolved	101	102	80-120	1	20
Selenium, Dissolved	112	113	80-120	1	20
Silver, Dissolved	103	101	80-120	2	20
Vanadium, Dissolved	96	95	80-120	1	20
Zinc, Dissolved	105	106	80-120	1	20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG368174-2 WG368174-3					
Mercury, Dissolved	97	98	80-120	1	20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG368197-2 WG368197-3					
Antimony, Dissolved	89	94	80-120	5	20
Thallium, Dissolved	92	94	80-120	2	20

Project Name: WALPOLE PARK SOUTH**Project Number:** 12700053**Lab Number:** L0908197**Report Date:** 06/25/09**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal
L0908197-01A	Plastic 500ml HNO3 preserved	B	<2	5	Y	Absent

Analysis

MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)

*Hold days indicated by values in parentheses



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	- Not detected at the reported detection limit for the sample.
NI	- Not Ignitable.
RDL	- Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report



Project Name: WALPOLE PARK SOUTH
Project Number: 12700053

Lab Number: L0908197
Report Date: 06/25/09

REFERENCES

- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.
- 64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised June 24, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. NELAP Accredited Solid Waste/Soil.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO₃-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH₃-B, 4500NH₃-G, 4500NH₃-H, 4500NO₃-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO₃-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl,V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH₃-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO₃-F, 353.2 for Nitrate-N, SM4500NH₃-B,C-Titr, SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water) 600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.*Drinking Water*

Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.2/1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500CI-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃F, EPA 354.1, SM4500-NO₂-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Utah Department of Health Certificate/Lab ID: AAMA. **NELAP Accredited.**
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

CHAIN OF CUSTODY

PAGE _____ OF _____



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: W1220

Address:

Project Manager:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Lab of 10907478-03

Project Information

Project Name: WaldpoleProject Location: Waldpole, MAProject #: 12700053

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/25/09 Time:

Date Rec'd in Lab:

10/19/09

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

ALPHA Job #:

10908197

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO.

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

524.2
MCP14 Metals

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
 (Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MAMCP or CT RCP?

Relinquished By:

Date/Time

Container Type

Preservative

Received By:

Date/Time

FORM NO. 01-01 (rev. 14-OCT-07)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



CHAIN OF CUSTODY

 PAGE 1 OF 2

 WESTBORO, MA
 TEL: 508-898-9220
 FAX: 508-898-9193

 MANFIELD, MA
 TEL: 508-822-9300
 FAX: 508-822-3286

Client Information

 Client: Tetra Tech R1220

 Address: Cave Grant St

 Phone: 508 903 2655

 Fax: 508 903 2651

 Email: lan.carmichael@tetra-tech.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

DLs < RC GW-1

Project Information

 Project Name: Waldpole Oak Salt

 Project Location: Waldpole, MA

 Project #: 12700053

 Project Manager: Ray Schaefer/Joanna

ALPHA Quote #:

Turn-Around Time

 Date Due: 10/15/09

Time:

 Date Rec'd in Lab: 6/19/09

 ALPHA Job #: 10903478

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ INDEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

 State / Fed Program MCP GW Criteria RC GW-1

MA MCP PRESUMPTIVE CERTAINTY ... CT REASONABLE CONFIDENCE PROTO-

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

 ANALYSIS
 RCRA 8 metal (dms)
 Sodium total
 NO₃/NO₂
 524.2 (VOC)
 Oil/grease (1664)
 Total PhosP
 62.5 (ABN)
 Fecal Coliform

 SAMPLE HANDLING
 Filtration Yes
 Done - metals
 Avoid needed - Oil
 Lab to do
 Preservation Pre pres
 (Please specify below)
 Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
3478.1	MW-4	6-8-9	1816	GW	RC
1	↓	↓	1828	↓	↓
2	↓	6-9-9	1212	↓	↓
3	MW-3	6-8-9	1846	↓	↓
3	↓	↓	1850	↓	↓
4	↓	6-9-9	1155	↓	↓
5	MW-1	6-8-9	1910	↓	↓
5	↓	↓	1920	↓	↓

PLEASE ANSWER QUESTIONS ABOVE!

 IS YOUR PROJECT
 MAMCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



CHAIN OF CUSTODY

PAGE 2 OF 2

 WESTBORO, MA
 TEL: 508-866-0220
 FAX: 508-866-9193

 MANFIELD, MA
 TEL: 508-822-3300
 FAX: 508-822-3288

Client Information

Client:

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab:

6/19/09

ALPHA Job #:

20003478

Report Information - Data Deliverables

☐ FAX

☐ EMAIL

☐ ADEK

☒ Add Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State Fed Program

Criteria

MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTO-

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

 ANALYSIS
 Oil/gum (100%)
 625 (ABW)
 Total Phenol
 Formal Caliform

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

Sample Specific Comments

TOTAL # OF SAMPLES

PLEASE ANSWER QUESTIONS ABOVE!

 IS YOUR PROJECT
 MAMCP or CT RCP?

Analyzed By:

Date/Time

Received By:

Date/Time

 Container Type
 Preservative

FORM NO. 01-01 (REV. 14-OCT-07)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Appendix D

Copies of Public Notification Letters



TETRATECH RIZZO

July 28, 2009

Ms. Robin Chapell, Health Agent
Town of Walpole
Board of Health
135 School Street
Walpole, MA 02081

**Re: Notice of Phase III Remedial Action Plan Submittal
Walpole Park South
Walpole, Massachusetts
RTNs 4-3021915 and 4-19976**

Dear Ms. Chapell:

On behalf of Walpole Park South, Rizzo Associates, Inc. is providing this notification that a Phase IV Completion Statement and Remedy Operation Status Submittal will be filed with the Department of Environmental Protection (DEP) for the above referenced Disposal Site on or about August 2, 2009.

This notification is being made pursuant to the requirements of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. The selected remedial action involves monitored natural attenuation (MNA) to allow for ongoing evaluation and characterization of groundwater conditions over time, and will include additional monitoring wells to evaluate whether a portion or all of the metals of VOCs detected in on-site monitoring wells originate from off-site source(s) and/or if they are naturally occurring. Deleterious impacts are not anticipated since the planned remedial action is limited to installation of additional monitoring wells and collection of groundwater samples. The report will be available for review at the DEP Southeast Regional Office located at 20 Riverside Drive in Lakeville, Massachusetts by appointment. A copy of the report will also be available in the Public Information Repository at the Walpole Public Library.

Please contact the undersigned if you have any questions.



TETRATECH RIZZO

Very truly yours,

Raymond C. Johnson, P.G., L.S.P.
Senior Vice President

Attachment

P:\Pre-FY2008\12700000\12700058\Rpts\Phase II report documents\Letter_public-notice_BOH_PhaseIV Completion_ROS_July2009.doc



TETRA TECH RIZZO

July 28, 2009

Mr. Christopher G. Timson, Chairman
Board of Selectmen
Town of Walpole
135 School Street
Walpole, MA 02081

**Re: Notice of Phase IV – Remedy Implementation Plan Submittal
Walpole Park South
Walpole, Massachusetts
RTNs 4-3021915 and 4-19976**

Dear Mr. Timson:

On behalf of Walpole Park South, Rizzo Associates, Inc. is providing this notification that a Phase IV Completion Statement and Remedy Operation Status Submittal will be filed with the Department of Environmental Protection (DEP) for the above referenced Disposal Site on or about August 2, 2009.

This notification is being made pursuant to the requirements of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. The selected remedial action involves monitored natural attenuation (MNA) to allow for ongoing evaluation and characterization of groundwater conditions over time, and will include additional monitoring wells to evaluate whether a portion or all of the metals of VOCs detected in on-site monitoring wells originate from off-site source(s) and/or if they are naturally occurring. Deleterious impacts are not anticipated since the planned remedial action is limited to installation of additional monitoring wells and collection of groundwater samples. The report will be available for review at the DEP Southeast Regional Office located at 20 Riverside Drive in Lakeville, Massachusetts by appointment. A copy of the report will also be available in the Public Information Repository at the Walpole Public Library.

Please contact the undersigned if you have any questions.



TETRATECH RIZZO

Very truly yours,

Raymond C. Johnson, P.G., L.S.P.
Senior Vice President

Attachment

C: Mr. Michael E. Boynton, Town Administrator

P:\Pre-FY2008\12700000\12700058\Rpts\Phase II report documents\Letter_public-notice_Town_PhaseIV Completion_ROS_July2009.doc

Appendix E

BWSC-108 – Phase IV Transmittal Form



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 3021915

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

A. SITE LOCATION:

1. Site Name: ROUTE 1 AND PINE ST

2. Street Address: 15 WALPOLE PARK S

3. City/Town: WALPOLE

4. ZIP Code: 02081-0000

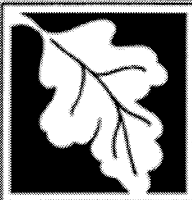
☒ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.

☐ a. Tier IA ☒ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

6. If applicable, provide the Permit Number: W051766

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

- ☐ 1. Submit a **Phase I Completion Statement**, pursuant to 310 CMR 40.0484.
- ☐ 2. Submit a **Revised Phase I Completion Statement**, pursuant to 310 CMR 40.0484.
- ☐ 3. Submit a **Phase II Scope of Work**, pursuant to 310 CMR 40.0834.
- ☐ 4. Submit an **interim Phase II Report**. This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.
- ☐ 5. Submit a **final Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.
- ☐ 6. Submit a **Revised Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.
- ☐ 7. Submit a **Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.
- ☐ 8. Submit a **Revised Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.
- ☐ 9. Submit a **Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.
- ☐ 10. Submit a **Modified Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.
- ☐ 11. Submit an **As-Built Construction Report**, pursuant to 310 CMR 40.0875.
- ☐ 12. Submit a **Phase IV Status Report**, pursuant to 310 CMR 40.0877.
- ☒ 13. Submit a **Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.
Specify the outcome of Phase IV activities: (check one)
 - ☒ a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Response Action Outcome.
 - ☐ b. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
 - ☐ c. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) has been or will be submitted to DEP.
 - ☐ d. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) has been or will be submitted to DEP.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

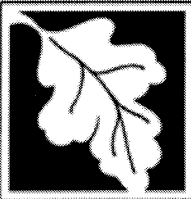
Release Tracking Number

4 - 3021915

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

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

- ☐ 14. Submit a **Revised Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.
- ☐ 15. Submit a **Phase V Status Report**, pursuant to 310 CMR 40.0892.
- ☐ 16. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)
- a. Type of Report: (check one) ☐ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report
- b. Frequency of Submittal: (check all that apply)
- ☐ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
- ☐ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
- ☐ iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report
- c. Status of Site: (check one) ☐ i. Phase IV ☐ ii. Phase V ☐ iii. Remedy Operation Status ☐ iv. Class C RAO
- 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 Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement (BWSC104) will be submitted to DEP.
- ☐ b. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- ☐ c. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and/or that further progress is made toward a Permanent Solution. A completed Response Action Outcome 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 **Post-Class C Response Action Outcome Status Report**, pursuant to 310 CMR 40.0898.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 3021915

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

C. LSP SIGNATURE AND STAMP:

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

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

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

> if Section B indicates that an **As-Built Construction Report, a Remedy Operation Status, a Phase IV, Phase V or Post-Class C RAO 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 #: 6118

2. First Name: RAYMOND C

3. Last Name: JOHNSON

4. Telephone: 5089032000

5. Ext.:

6. FAX:

7. Signature:

8. Date:

(mm/dd/yyyy)

9. LSP Stamp:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 3021915

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: WALPOLE PARK SOUTH TRUST

3. Contact First Name: DONNELL

4. Last Name: MURPHY

5. Street: PO BOX 123

6. Title: TRUSTEE

7. City/Town: WALPOLE

8. State: MA

9. ZIP Code: 02081-0000

10. Telephone: 5086681200

11. Ext.:

12. FAX:

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS:

☐ Check here to change relationship

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

☐ e. Other RP or PRP Specify:

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

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

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

F. REQUIRED ATTACHMENT AND SUBMITTALS:

☒ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☒ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.

☐ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.

☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.

☐ 5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.

☐ 6. If submitting a Transfer of a Remedy Operation Status (as per 310 CMR 40.0893(5)), check here to certify that a statement detailing the compliance history for the person making this submittal (transferee) is attached.

☐ 7. If submitting a Modification of a Remedy Operation Status (as per 310 CMR 40.0893(5)), check here to certify that a statement detailing the compliance history for each new person making this submittal is attached.

☐ 8. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Name. Send corrections to: BWSC.eDEP@state.ma.us.

☒ 9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 3021915

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

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

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

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

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

2. By: 3. Title:

Signature

4. For: 5. Date:

(Name of person or entity recorded in Section D)

(mm/dd/yyyy)

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

7. Street: _____

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

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

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

BWSC-108 Supplemental Information

Walpole Park South

RTN 4-3021915

F.1 – The response action was conducted under a Tier IB that was presumptively approved by DEP on August 7, 2004, 45 days after DEP acknowledgement of receipt of the Tier I Permit Application.