

Phase V – Remedy Operation Status  
Status Report #2  
Walpole Park South  
Walpole, Massachusetts  
Release Tracking Number 4-3021915

Submitted to:  
Massachusetts Department of Environmental Protection

August 2, 2010



August 2, 2010

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

**Re: Phase V – Remedy Operation Status  
Status Report #2  
Walpole Park South  
Walpole, Massachusetts  
Release Tracking Numbers 4-3021915**

Dear Sir/Madam:

On behalf of Walpole Park South, Tetra Tech, Inc. d/b/a Tetra Tech Rizzo has prepared this Phase V - Remedy Operation Status, Status Report #2 for Release Tracking Number 4-3021915 pursuant to 310 CMR 40.0892. The information presented herein is based on the Phase IV Completion Statement and Remedy Operation Status Submittal dated July 28, 2009. 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 has been transmitted electronically via eDEP, and a copy of the form is in Appendix D.

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 V – Remedy Operation Status, Status Report #2 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 40.0892. The purpose of the Phase V Status Report is to the type and frequency of operation, maintenance and/or monitoring activities conducted since the submission of Status Report #1 in February 2010, and present other relevant information regarding the activities implemented at the Site.

The Phase IV Completion Statement submitted in July 2009 noted that additional groundwater monitoring wells, discussed in the Phase IV – Remedy Implementation Plan, were installed in December 2007 and four rounds of groundwater samples were collected prior to submission of the Phase IV Completion Statement. Since the requirements for a Class A or Class C Response Action Outcome (RAO) Statement were not met, the Phase IV Completion Statement indicated that ongoing monitoring would be performed to further characterize groundwater conditions over time. Specifically, groundwater samples would be collected at approximately six month intervals, starting in November or December 2009, and submitted for laboratory analysis for volatile organic compounds (VOCs) by EPA Method 524.2 and MCP 14 metals. EPA Method 524.2 was used for this sampling event since that it the analytical method required by the Walpole Board of Health for the annual groundwater sampling performed at Walpole Park South.

### **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 and during 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 historically exceeded the applicable MCP Method 1GW-1 and/or GW-3 standards on a sporadic basis, are presently at low to non-detectable concentrations, below the lower of the GW-1 or GW-3 standards, and generally have limited mobility in groundwater. The limited mobility of metals in groundwater 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. 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 expected to only be 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, historic data did not indicate a clearly definable plume, and recent results have shown the few detected analytes at concentrations well below the lower of the MCP GW-1 or GW-3 standards.

## **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.

Four rounds of groundwater samples were collected during Phase IV. Based on the results of those samplings and previous sampling results for the Site, it was concluded that the requirements for a Class A or Class B RAO had not been and that ongoing monitoring would be performed to further characterize groundwater conditions over time. Specifically, it was indicated in the Phase IV Completion statement that groundwater samples would be collected at approximately six month intervals for analysis for VOCs and metals. Details of the well installation and groundwater sampling were detailed in the Phase IV Completion Statement dated July 28, 2009.

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 Phase V Groundwater Sampling**

The second Phase V groundwater sampling event was performed in June 2010. The scope of the sampling included the collection of groundwater samples from monitoring wells GHC-6, MW-3, MW-9, RIZ-3, RIZ-8, RIZ-9, RIZ-10 and MW-2. A groundwater sample was not collected from RIZ-8S because the well was dry, reflective of the unusually dry weather in the weeks preceding the sampling.

Tetra Tech Rizzo personnel gauged and purged the monitoring wells prior to sample collection, and the depth to water was measured relative to the PVC riser in each well using an electronic interface probe. As noted above, RIZ-8S was dry and could not be sampled during this monitoring event. RIZ-8S is a shallow monitoring well installed at the bedrock – overburden interface. When installed it was anticipated that this well may be dry or contain an insufficient volume of groundwater for sample collection during some sampling events, because of seasonal fluctuations of the water table. A deeper monitoring well completed in bedrock, RIZ-8, was installed adjacent to RIZ-8S to provide the opportunity to collect groundwater samples at this location even during those periods when RIZ-8S is dry.

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 9.3 feet bgs in GHC-6 to 40.7 feet bgs in MW-3. Monitoring well RIZ-8S was dry, a condition that is typically for dry conditions since this is a shallow monitoring well. Groundwater samples were collected from the monitoring wells noted above and submitted for laboratory analysis for dissolved MCP 14 Metals and VOCs by Method 524.2.

## **5.1 Groundwater Analysis Results – June 2010**

The laboratory analysis results for the groundwater samples collected in June 2010 indicated the presence of chloroform in the sample from MW-2 at a concentration of 1.2 micrograms per liter ( $\mu\text{g/l}$ ), below the applicable RCGW-1 reportable concentration of 50  $\mu\text{g/l}$  and the Method 1 GW-1 and GW-2 standards of 70  $\mu\text{g/l}$  and 50  $\mu\text{g/l}$ , respectively. No other VOCs were reported at concentrations exceeding the laboratory detection limits.

No metals were reported at concentrations exceeding the laboratory detection limits. The laboratory certificates of analysis are in Appendix B.

The groundwater analysis results for the June 2010 samples are consistent with results observed for recent sampling events, and do not indicate the presence of VOCs or metals at concentrations exceeding MCP reportable concentrations or the lower of the applicable GW-1 or GW-3 standards.

## **6.0 Phase V Implementation**

### **6.1 Sampling Schedule**

Based on the results of groundwater sampling performed over the past 36 months at the Site, it appears that a condition of No Significant Risk has been achieved and that the Site is eligible for a Class B-1 Response Action Outcome (RAO) Statement. A Method 3 risk characterization will be performed to evaluate whether an RAO Statement can be submitted. If supported by the risk characterization a RAO Statement will be submitted by October 2010 and that further monitoring will not be necessary. In the event the risk characterization indicates that an RAO Statement cannot be submitted at this time, the next round of groundwater sampling will take place in December 2010.

### **6.2 Modifications**

No significant modifications have been made since the submission of the Phase IV Completion Statement for the Site.

### **6.3 Performance Evaluation**

The remedial action is performing as expected and in accordance with the conclusions presented in the Phase IV Completion Statement. Compounds are not currently detected in groundwater at concentrations near or exceeding the lower of the applicable MCP GW-1 or GW-3 standards.

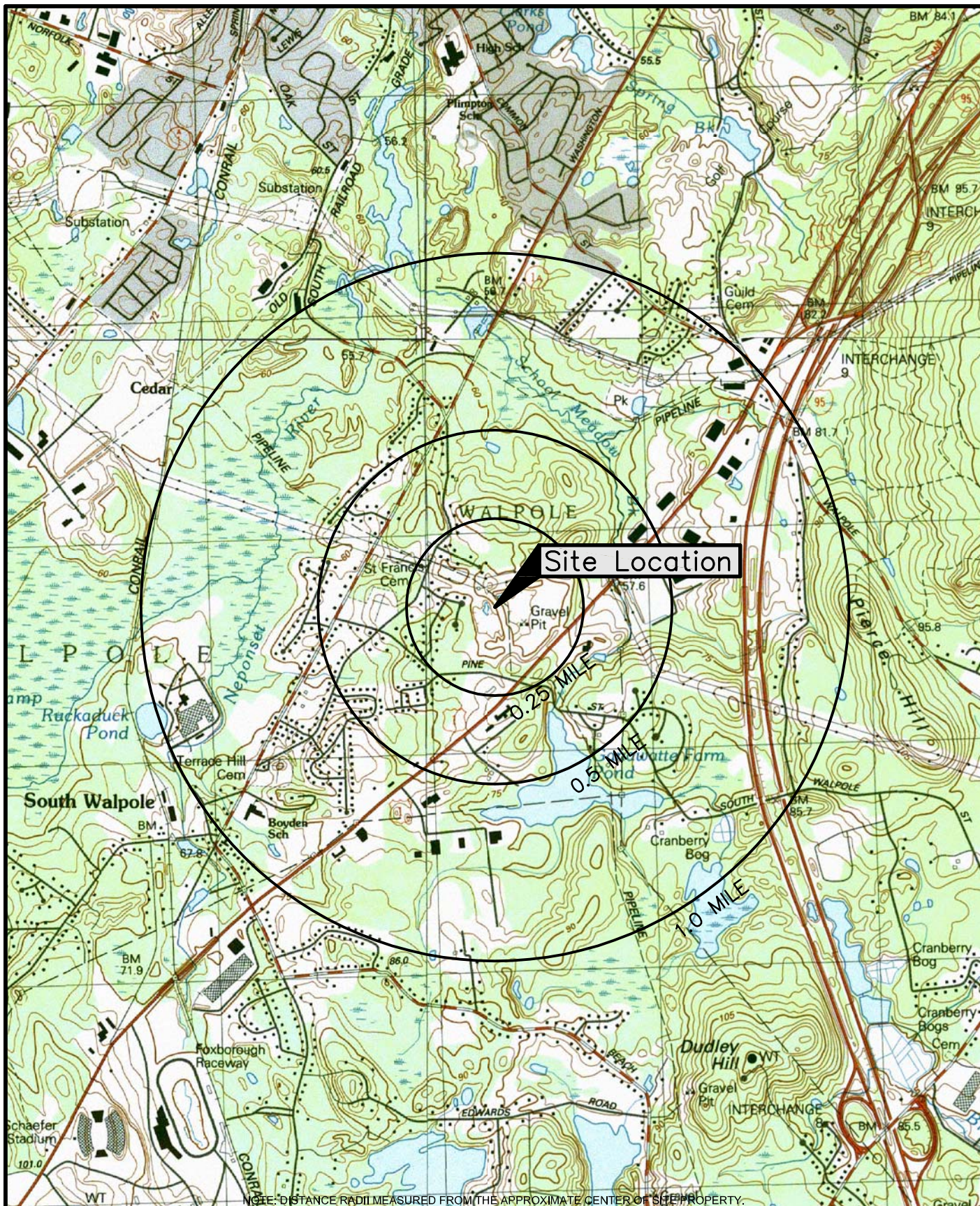
#### **6.4 Permits and Approvals**

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 V – Remedy Operation Status, Status Report #2 have been sent to the Walpole Board of Health and Chief Municipal Officer. Copies of the public notification letters are included in Appendix C. 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 D.





Project No. 12700058



0 2,000 Feet

**RIZZO**  
ASSOCIATES  
A TETRA TECH COMPANY

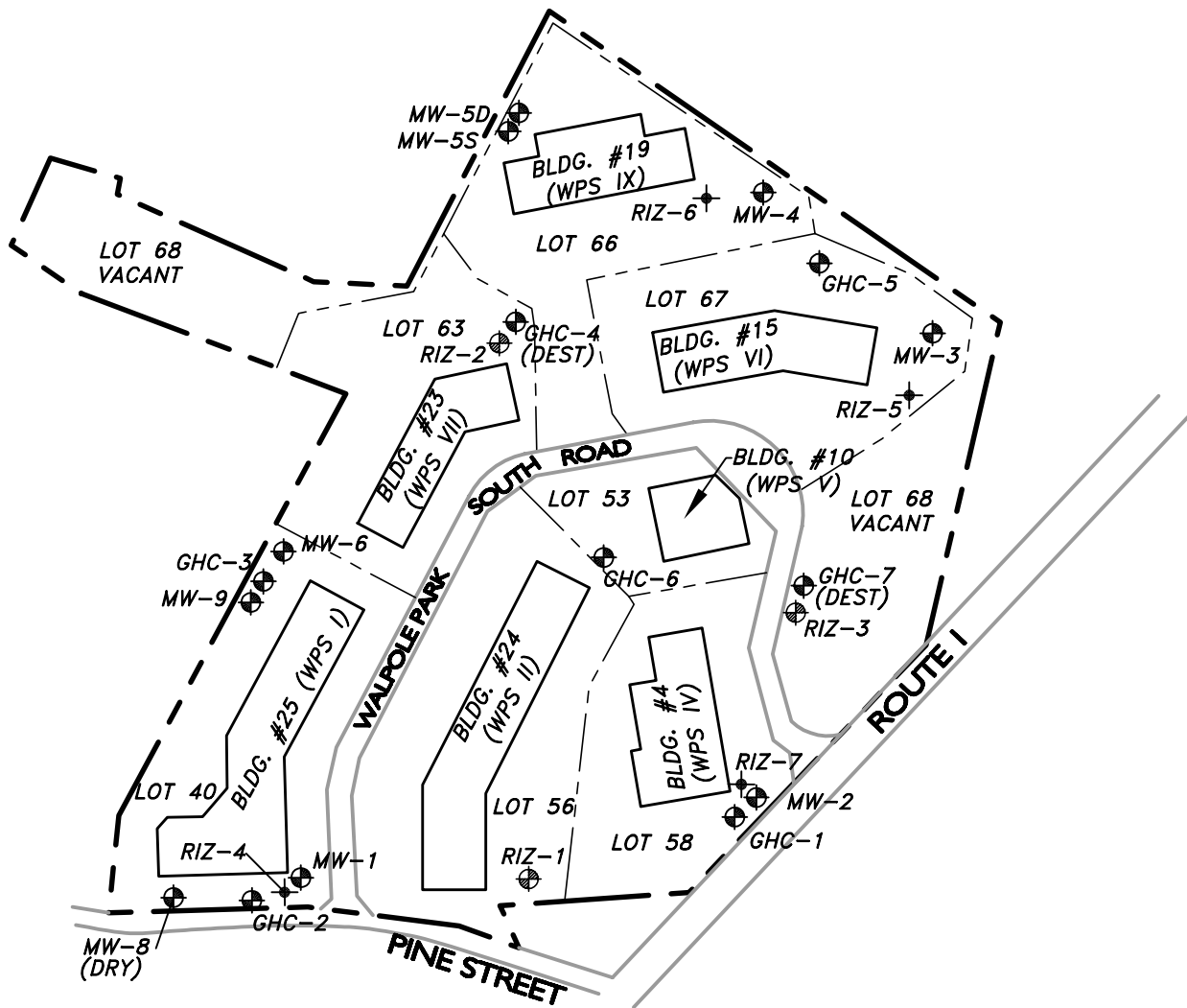
Information obtained from  
USGS Map of Mansfield, Massachusetts  
Quadrangle dated 1987 and  
USGS Map of Norwood, Massachusetts  
Quadrangle dated 1982-1985

Walpole Park South  
Walpole, Massachusetts

Site Locus Plan

Figure  
**1**





### LEGEND

- ✦ SOIL BORING LOCATION
- ⊕ RECENTLY INSTALLED MONITORING WELL LOCATION
- ⊕ 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-ESP01



**RIZZO**  
ASSOCIATES  
A TETRA TECH COMPANY

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

Walpole Park South  
Walpole, Massachusetts

Site Plan with Soil Boring  
and Monitoring Well  
Locations

Figure  
**2**



## **Appendix A**

### **Statement of Limitations and Conditions**

## **Statement of Limitations and Conditions**

### **Attachment to Opinion of Massachusetts Licensed Site Professional**

#### **Rizzo Associates, Inc.**

Name of Licensed Site Professional:	Raymond C. Johnson
LSP Registration Number:	6118
Date of Opinion:	August 2, 2010
Client to Whom Opinion was Rendered:	Walpole Park South Trust
Response Tracking No./Site No.:	4-30021915

This Statement of Limitations and Conditions is an integral part of, and is incorporated by reference into, the Opinion of Massachusetts Licensed Site Professional referenced above.

## **Limitations**

### **1. Purpose of Opinion**

- A. This Opinion is being provided in compliance with the requirements set forth in the Massachusetts Contingency Plan ("MCP"), 310 CMR 40.0000 et seq. Specifically, the LSP has prepared this Opinion at the request of the Client identified above as part of a Phase V – Remedy Operation Status, Status Report #1. This stated purpose has been a significant factor in determining the scope and level of services required to render this Opinion.
- B. Should the purpose for which this Opinion is to be used change, this Opinion shall no longer be valid.

### **2. General**

- A. This Opinion was prepared for the sole and exclusive use of the Client, subject to the provisions of the MCP. No other party is entitled to rely in any way on the conclusions, observations, specifications, or data contained herein without the express written consent of Rizzo Associates, Inc. and the LSP who rendered this opinion. Any use of this Opinion by anyone other than Client, or any use of this Opinion by Client or others for any purpose other than the stated purpose set forth above, without the LSP's review and the written authorization of Rizzo Associates, Inc. and the LSP, shall be at the user's sole risk, and neither Rizzo Associates, Inc. nor the LSP shall have any liability or responsibility therefor.

- B. This Opinion was prepared pursuant to an Agreement between Rizzo Associates, Inc. and the Client referenced above which defines the scope of work and sets out agreements regarding waivers of consequential damages, limitations on liability, and other important conditions and restrictions pursuant to which the Opinion is rendered. All uses of the Opinion are subject to and deemed acceptance of the conditions and restrictions contained in such Agreement. A copy of the Agreement or relevant excerpts from the Agreement will be made available upon requests to any authorized person seeking to use the Opinion.

### **3. Scope of Services**

The observations and conclusions described in this Opinion are based solely on the Services provided pursuant to the Agreement with the Client and any approved additional services authorized by Client. Without limitation of any other applicable limitations or conditions, neither Rizzo Associates, Inc. nor the LSP shall be liable for the existence of any condition, the discovery of which would have required the performance of services not authorized under the Agreement. To the best of the knowledge and belief of Rizzo Associates, Inc. and the LSP who signed this Opinion, no inquiry of an attorney-at-law having being made, no laws, regulations, orders, permits or approvals are applicable to the response actions to which this opinion relates except, if and to the extent applicable, M.G.L. c. 21A, Sections 19-19J, 309 CMR, M.G.L. c. 21 E and 310 CMR 40.0000. Accordingly, this opinion is not intended to and does not address compliance with any other laws, regulation, orders, permits or approvals.

### **4. Changed Circumstances**

The passage of time may result in changes in technology, economic conditions or regulatory standards, manifestations of latent conditions, or the occurrence of future events which would render this Opinion inaccurate or otherwise inapplicable. Neither Rizzo Associates, Inc. nor the LSP shall be liable or responsible for the consequences of any such changed circumstances or conditions on the accuracy of this Opinion. In addition, under no circumstances shall the Client nor any other person or entity rely on the information or conclusions contained in this Opinion after six months from its date of submission without the express written consent of Rizzo Associates, Inc. and the LSP. Reliance on the Opinion after such period of time shall be at the user's sole risk.

5. Should Rizzo Associates, Inc. or the LSP be required or requested to review or authorize others to use this Opinion after its date of submission, Rizzo Associates, Inc. shall be entitled to additional compensation at then existing rates or such other terms as may be agreed upon between Rizzo Associates, Inc. and the Client. Nothing herein contained shall be deemed to require Rizzo Associates, Inc. or the LSP to undertake any such review or authorize others to use this Opinion.

**Statement of Limitations and Conditions**  
**Attachment to Opinion of**  
**Massachusetts Licensed Site Professional**

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**6. The conclusions stated in this Opinion are based upon:**

- Visual inspection of existing physical conditions;
- Review and interpretation of site history and site usage information which was made available or obtained within the scope of work authorized by the Client;
- Information provided by the Client;
- Information and/or analyses for designated substances or parameters provided by an independent testing service or laboratory on a limited number of samples; and
- A limited number of subsurface explorations made on dates indicated in documentation supporting this Opinion;

The information upon which the LSP has relied and presumed accurate, and upon which the LSP is entitled to reasonably rely. The LSP was not authorized and did not attempt to independently verify the accuracy or completeness of information or materials received from the Client and/or from laboratories and other third parties during the performance of its services. Neither Rizzo Associates, Inc. nor the LSP shall be liable for any condition, information, or conclusion, the discovery of which required information not available to the LSP or for independent investigation of information provided to the LSP by the Client and/or independent third parties.

**7. This Opinion is rendered for the limited purpose stated above, and is not and should not be deemed to be an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made by this opinion, and any implied warranties of merchantability or fitness for a particular purpose are expressly disclaimed. Without limiting the generality of the foregoing, no warranty or guarantee is made that all contamination at a site or sources or contamination has been detected or identified, that any action or recommended action will achieve all of its objectives, or that this Opinion or any action as to which this Opinion relates will be upheld by any audit conducted by the DEP or any other party.**

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## 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**

### **Laboratory Certificates of Analysis**



## ANALYTICAL REPORT

Lab Number:	L1008812
Client:	Tetra Tech Rizzo 1 Grant Street Framingham, MA 01701-9005
ATTN:	Ian Cannan
Phone:	(508) 903-2039
Project Name:	WALPOLE PARK SOUTH
Project Number:	12700058-003
Report Date:	06/21/10

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.

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





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

**Lab Number:** L1008812  
**Report Date:** 06/21/10

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1008812-01	MW-3	WALPOLE, MA	06/11/10 08:02
L1008812-02	RIZ-3	WALPOLE, MA	06/11/10 08:56
L1008812-03	MW-2	WALPOLE, MA	06/11/10 09:33
L1008812-04	GHC-6	WALPOLE, MA	06/11/10 10:08
L1008812-05	RIZ-9	WALPOLE, MA	06/11/10 11:07
L1008812-06	RIZ-10	WALPOLE, MA	06/11/10 12:30
L1008812-07	RIZ-8	WALPOLE, MA	06/11/10 13:40
L1008812-08	MW-9	WALPOLE, MA	06/11/10 14:10
L1008812-09	20100611-TRIP BLANK	WALPOLE, MA	06/11/10 00:00

Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

**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.**

<b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	NO
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
<b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO
<b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b>		

**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:** L1008812  
**Report Date:** 06/21/10

### 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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of 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.

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### MCP Related Narratives

#### Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

#### Volatile Organics

In reference to question B:

At the client's request, the analytical method specified in the CAM protocol was not followed.

In reference to question H:

An MS/Dup was performed in lieu of an LCS/LCSD.

In reference to question I:

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

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

**Lab Number:** L1008812  
**Report Date:** 06/21/10

**Case Narrative (continued)**

Metals


L1008812-01 through -08 have elevated detection limits for Antimony and Thallium due to the dilutions required by the high concentrations of non-target analytes.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 06/21/10

# ORGANICS

# **VOLATILES**

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-01  
**Client ID:** MW-3  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 09:52  
**Analyst:** TT

**Date Collected:** 06/11/10 08:02  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS****Lab ID:** L1008812-01**Date Collected:** 06/11/10 08:02**Client ID:** MW-3**Date Received:** 06/11/10**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-01

Date Collected: 06/11/10 08:02

Client ID: MW-3

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	96		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-02  
**Client ID:** RIZ-3  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 11:40  
**Analyst:** TT

**Date Collected:** 06/11/10 08:56  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-02  
 Client ID: RIZ-3  
 Sample Location: WALPOLE, MA

Date Collected: 06/11/10 08:56  
 Date Received: 06/11/10  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-02

Date Collected: 06/11/10 08:56

Client ID: RIZ-3

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		80-120
4-Bromofluorobenzene	96		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-03  
**Client ID:** MW-2  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 12:17  
**Analyst:** TT

**Date Collected:** 06/11/10 09:33  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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	1.2		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**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-03  
 Client ID: MW-2  
 Sample Location: WALPOLE, MA

Date Collected: 06/11/10 09:33  
 Date Received: 06/11/10  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-03

Date Collected: 06/11/10 09:33

Client ID: MW-2

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	96		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-04  
**Client ID:** GHC-6  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 12:54  
**Analyst:** TT

**Date Collected:** 06/11/10 10:08  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-04  
 Client ID: GHC-6  
 Sample Location: WALPOLE, MA

Date Collected: 06/11/10 10:08  
 Date Received: 06/11/10  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-04

Date Collected: 06/11/10 10:08

Client ID: GHC-6

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	96		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-05  
**Client ID:** RIZ-9  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 13:31  
**Analyst:** TT

**Date Collected:** 06/11/10 11:07  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-05  
 Client ID: RIZ-9  
 Sample Location: WALPOLE, MA

Date Collected: 06/11/10 11:07  
 Date Received: 06/11/10  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-05

Date Collected: 06/11/10 11:07

Client ID: RIZ-9

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		80-120
4-Bromofluorobenzene	96		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-06  
**Client ID:** RIZ-10  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 14:08  
**Analyst:** TT

**Date Collected:** 06/11/10 12:30  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-06  
 Client ID: RIZ-10  
 Sample Location: WALPOLE, MA

Date Collected: 06/11/10 12:30  
 Date Received: 06/11/10  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-06

Date Collected: 06/11/10 12:30

Client ID: RIZ-10

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

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



**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-07  
**Client ID:** RIZ-8  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 14:46  
**Analyst:** TT

**Date Collected:** 06/11/10 13:40  
**Date Received:** 06/11/10  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-07  
 Client ID: RIZ-8  
 Sample Location: WALPOLE, MA

Date Collected: 06/11/10 13:40  
 Date Received: 06/11/10  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-07

Date Collected: 06/11/10 13:40

Client ID: RIZ-8

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	97		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-08  
**Client ID:** MW-9  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 15:23  
**Analyst:** TT

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-08  
 Client ID: MW-9  
 Sample Location: WALPOLE, MA

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

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-08

Date Collected: 06/11/10 14:10

Client ID: MW-9

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	104		80-120
4-Bromofluorobenzene	97		80-120

**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

**Lab ID:** L1008812-09  
**Client ID:** 20100611-TRIP BLANK  
**Sample Location:** WALPOLE, MA  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 06/14/10 16:00  
**Analyst:** TT

**Date Collected:** 06/11/10 00:00  
**Date Received:** 06/11/10  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS****Lab ID:** L1008812-09**Date Collected:** 06/11/10 00:00**Client ID:** 20100611-TRIP BLANK**Date Received:** 06/11/10**Sample Location:** WALPOLE, MA**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	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

## Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS**

Lab ID: L1008812-09

Date Collected: 06/11/10 00:00

Client ID: 20100611-TRIP BLANK

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	100		80-120
4-Bromofluorobenzene	97		80-120

Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

### Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2  
 Analytical Date: 06/14/10 07:26  
 Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG417697-2					
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: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

### Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2  
 Analytical Date: 06/14/10 07:26  
 Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG417697-2					
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:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2

Analytical Date: 06/14/10 07:26

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
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Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG417697-2					
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**Tentatively Identified Compounds**

No Tentatively Identified Compounds	ND		ug/l		
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	97		80-120

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L1008812

Report Date: 06/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG417697-1								
Methylene chloride	107		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Chloroform	102		-		70-130	-		
Carbon tetrachloride	86		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Dibromochloromethane	95		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Tetrachloroethene	106		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Trichlorofluoromethane	102		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
trans-1,3-Dichloropropene	79		-		70-130	-		
cis-1,3-Dichloropropene	84		-		70-130	-		
Bromoform	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	94		-		70-130	-		
Benzene	109		-		70-130	-		
Toluene	108		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	100		-		70-130	-		

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** WALPOLE PARK SOUTH

**Project Number:** 12700058-003

**Lab Number:** L1008812

**Report Date:** 06/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG417697-1								
Chloromethane	119		-		70-130	-		
Bromomethane	116		-		70-130	-		
Vinyl chloride	117		-		70-130	-		
Chloroethane	112		-		70-130	-		
1,1-Dichloroethene	109		-		70-130	-		
trans-1,2-Dichloroethene	109		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		
Trichloroethene	103		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,3-Dichlorobenzene	94		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
Styrene	97		-		70-130	-		
o-Xylene	97		-		70-130	-		
1,1-Dichloropropene	104		-		70-130	-		
2,2-Dichloropropane	78		-		70-130	-		
1,1,1,2-Tetrachloroethane	92		-		70-130	-		
1,2,3-Trichloropropane	92		-		70-130	-		
Bromochloromethane	101		-		70-130	-		
n-Butylbenzene	96		-		70-130	-		
Dichlorodifluoromethane	122		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** WALPOLE PARK SOUTH

**Project Number:** 12700058-003

**Lab Number:** L1008812

**Report Date:** 06/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG417697-1								
Isopropylbenzene	97		-		70-130	-		
p-Isopropyltoluene	98		-		70-130	-		
Naphthalene	74		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
sec-Butylbenzene	97		-		70-130	-		
tert-Butylbenzene	97		-		70-130	-		
1,2,3-Trichlorobenzene	82		-		70-130	-		
1,2,4-Trichlorobenzene	86		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
Bromobenzene	96		-		70-130	-		
o-Chlorotoluene	100		-		70-130	-		
p-Chlorotoluene	99		-		70-130	-		
Dibromomethane	98		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		
1,2-Dibromo-3-chloropropane	78		-		70-130	-		
1,3-Dichloropropane	100		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** WALPOLE PARK SOUTH**Project Number:** 12700058-003**Lab Number:** L1008812**Report Date:** 06/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG417697-1

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichlorobenzene-d4	98				80-120
4-Bromofluorobenzene	98				80-120



# Matrix Spike Analysis

## Batch Quality Control

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

**Lab Number:** L1008812  
**Report Date:** 06/21/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-3 QC Sample: L1008822-01 Client ID: MS Sample												
Methylene chloride	ND	4	4.5	112		-	-		70-130	-		20
1,1-Dichloroethane	ND	4	4.5	113		-	-		70-130	-		20
Chloroform	27	4	31	102		-	-		70-130	-		20
Carbon tetrachloride	ND	4	4.0	101		-	-		70-130	-		20
1,2-Dichloropropane	ND	4	4.5	113		-	-		70-130	-		20
Dibromochloromethane	4.8	4	8.8	100		-	-		70-130	-		20
1,1,2-Trichloroethane	ND	4	4.3	108		-	-		70-130	-		20
Tetrachloroethene	ND	4	4.6	116		-	-		70-130	-		20
Chlorobenzene	ND	4	4.1	104		-	-		70-130	-		20
Trichlorofluoromethane	ND	4	4.6	114		-	-		70-130	-		20
1,2-Dichloroethane	ND	4	4.1	102		-	-		70-130	-		20
1,1,1-Trichloroethane	ND	4	4.3	108		-	-		70-130	-		20
Bromodichloromethane	10	4	14	100		-	-		70-130	-		20
trans-1,3-Dichloropropene	ND	4	3.1	77		-	-		70-130	-		20
cis-1,3-Dichloropropene	ND	4	4.0	99		-	-		70-130	-		20
Bromoform	0.59	4	4.2	91		-	-		70-130	-		20
1,1,2,2-Tetrachloroethane	ND	4	3.8	96		-	-		70-130	-		20
Benzene	ND	4	4.5	112		-	-		70-130	-		20
Toluene	ND	4	4.5	112		-	-		70-130	-		20
Ethylbenzene	ND	4	4.4	110		-	-		70-130	-		20
p/m-Xylene	1.2	8	9.4	102		-	-		70-130	-		20

# Matrix Spike Analysis

## Batch Quality Control

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L1008812

Report Date: 06/21/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-3 QC Sample: L1008822-01 Client ID: MS Sample												
Chloromethane	ND	4	4.0	101		-	-		70-130	-		20
Bromomethane	ND	4	4.6	116		-	-		70-130	-		20
Vinyl chloride	ND	4	5.9	148	Q	-	-		70-130	-		20
Chloroethane	ND	4	4.9	122		-	-		70-130	-		20
1,1-Dichloroethene	ND	4	4.6	115		-	-		70-130	-		20
trans-1,2-Dichloroethene	ND	4	4.5	113		-	-		70-130	-		20
cis-1,2-Dichloroethene	ND	4	4.6	116		-	-		70-130	-		20
Trichloroethene	ND	4	4.3	108		-	-		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	94		-	-		70-130	-		20
Styrene	ND	4	3.7	93		-	-		70-130	-		20
o-Xylene	ND	4	4.4	110		-	-		70-130	-		20
1,1-Dichloropropene	ND	4	4.6	116		-	-		70-130	-		20
2,2-Dichloropropane	ND	4	3.7	94		-	-		70-130	-		20
1,1,1,2-Tetrachloroethane	ND	4	3.9	98		-	-		70-130	-		20
1,2,3-Trichloropropane	ND	4	3.6	91		-	-		70-130	-		20
Bromochloromethane	ND	4	4.5	112		-	-		70-130	-		20
n-Butylbenzene	ND	4	3.9	98		-	-		70-130	-		20
Dichlorodifluoromethane	ND	4	4.2	105		-	-		70-130	-		20
Hexachlorobutadiene	ND	4	3.9	99		-	-		70-130	-		20

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** WALPOLE PARK SOUTH

**Project Number:** 12700058-003

**Lab Number:** L1008812

**Report Date:** 06/21/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-3 QC Sample: L1008822-01 Client ID: MS Sample												
Isopropylbenzene	ND	4	3.6	90		-	-		70-130	-		20
p-Isopropyltoluene	ND	4	3.9	98		-	-		70-130	-		20
Naphthalene	0.59	4	3.9	82		-	-		70-130	-		20
n-Propylbenzene	ND	4	4.1	102		-	-		70-130	-		20
sec-Butylbenzene	ND	4	4.1	102		-	-		70-130	-		20
tert-Butylbenzene	ND	4	4.1	102		-	-		70-130	-		20
1,2,3-Trichlorobenzene	ND	4	3.4	86		-	-		70-130	-		20
1,2,4-Trichlorobenzene	ND	4	3.4	85		-	-		70-130	-		20
1,2,4-Trimethylbenzene	ND	4	4.0	101		-	-		70-130	-		20
1,3,5-Trimethylbenzene	ND	4	4.0	100		-	-		70-130	-		20
Bromobenzene	ND	4	3.9	98		-	-		70-130	-		20
o-Chlorotoluene	ND	4	4.2	104		-	-		70-130	-		20
p-Chlorotoluene	ND	4	3.9	98		-	-		70-130	-		20
Dibromomethane	ND	4	4.3	108		-	-		70-130	-		20
1,2-Dibromoethane	ND	4	3.7	93		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	4	3.4	86		-	-		70-130	-		20
1,3-Dichloropropane	ND	4	4.1	103		-	-		70-130	-		20
Methyl tert butyl ether	ND	4	4.2	104		-	-		70-130	-		20

**Matrix Spike Analysis****Batch Quality Control****Project Name:** WALPOLE PARK SOUTH**Project Number:** 12700058-003**Lab Number:** L1008812**Report Date:** 06/21/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-3 QC Sample: L1008822-01 Client ID: MS Sample

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
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:** 12700058-003

**Lab Number:** L1008812

**Report Date:** 06/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-4 QC Sample: L1008812-01 Client ID: MW-3						
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:** L1008812

**Report Date:** 06/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-4 QC Sample: L1008812-01 Client ID: MW-3					
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:** L1008812

**Report Date:** 06/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-4 QC Sample: L1008812-01 Client ID: MW-3					
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: L1008812

Report Date: 06/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG417697-4 QC Sample: L1008812-01 Client ID: MW-3					
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	101		101		80-120
4-Bromofluorobenzene	96		97		80-120



## METALS

Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## SAMPLE RESULTS

Lab ID: L1008812-01

Date Collected: 06/11/10 08:02

Client ID: MW-3

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 03:32	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Barium, Dissolved	0.036		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:34	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:57	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 03:32	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:57	EPA 3005A	97,6010B	AI



**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS****Lab ID:** L1008812-02**Date Collected:** 06/11/10 08:56**Client ID:** RIZ-3**Date Received:** 06/11/10**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 03:38	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Barium, Dissolved	0.161		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:35	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 15:00	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 03:38	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 18:00	EPA 3005A	97,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## SAMPLE RESULTS

Lab ID: L1008812-03

Date Collected: 06/11/10 09:33

Client ID: MW-2

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 03:44	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Barium, Dissolved	0.070		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:37	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 15:04	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 03:44	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 18:04	EPA 3005A	97,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## SAMPLE RESULTS

Lab ID: L1008812-04

Date Collected: 06/11/10 10:08

Client ID: GHC-6

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:09	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Barium, Dissolved	0.063		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:42	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:34	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:09	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:24	EPA 3005A	97,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## SAMPLE RESULTS

Lab ID: L1008812-05

Date Collected: 06/11/10 11:07

Client ID: RIZ-9

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:27	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:46	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:44	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:27	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:34	EPA 3005A	97,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## SAMPLE RESULTS

Lab ID: L1008812-06

Date Collected: 06/11/10 12:30

Client ID: RIZ-10

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:33	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Barium, Dissolved	0.107		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:48	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:47	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:33	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:37	EPA 3005A	97,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## SAMPLE RESULTS

Lab ID: L1008812-07

Date Collected: 06/11/10 13:40

Client ID: RIZ-8

Date Received: 06/11/10

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:39	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:49	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:51	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:39	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:50	EPA 3005A	97,6010B	AI





**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10**SAMPLE RESULTS****Lab ID:** L1008812-08**Date Collected:** 06/11/10 14:10**Client ID:** MW-9**Date Received:** 06/11/10**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:45	EPA 3005A	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Barium, Dissolved	0.064		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:51	EPA 7470A	97,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:54	EPA 3005A	97,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	--	4	06/12/10 10:30	06/15/10 04:45	EPA 3005A	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI
Zinc, Dissolved	0.051		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:54	EPA 3005A	97,6010B	AI



Project Name: WALPOLE PARK SOUTH

Lab Number: L1008812

Project Number: 12700058-003

Report Date: 06/21/10

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG417601-1										
Antimony, Dissolved	ND		mg/l	0.0005	--	1	06/12/10 10:30	06/14/10 18:34	97,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	--	1	06/12/10 10:30	06/14/10 18:34	97,6020A	BM

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG417803-1										
Arsenic, Dissolved	ND		mg/l	0.005	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Nickel, Dissolved	ND		mg/l	0.025	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	--	1	06/14/10 13:10	06/17/10 14:07	97,6010B	AI
Vanadium, Dissolved	ND		mg/l	0.010	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	--	1	06/14/10 13:10	06/16/10 17:15	97,6010B	AI

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-08 Batch: WG418542-1										
Mercury, Dissolved	ND		mg/l	0.0002	--	1	06/17/10 17:30	06/18/10 11:28	97,7470A	EZ



**Project Name:** WALPOLE PARK SOUTH

**Lab Number:** L1008812

**Project Number:** 12700058-003

**Report Date:** 06/21/10

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 7470A

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** WALPOLE PARK SOUTH

**Project Number:** 12700058-003

**Lab Number:** L1008812

**Report Date:** 06/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG417601-2 WG417601-3								
Antimony, Dissolved	95		96		80-120	1		20
Thallium, Dissolved	96		96		80-120	0		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG417803-2 WG417803-3								
Arsenic, Dissolved	114		115		80-120	1		20
Barium, Dissolved	98		100		80-120	2		20
Beryllium, Dissolved	100		102		80-120	2		20
Cadmium, Dissolved	109		110		80-120	1		20
Chromium, Dissolved	95		100		80-120	5		20
Lead, Dissolved	107		110		80-120	3		20
Nickel, Dissolved	98		99		80-120	1		20
Selenium, Dissolved	113		115		80-120	2		20
Silver, Dissolved	92		94		80-120	2		20
Vanadium, Dissolved	101		102		80-120	1		20
Zinc, Dissolved	101		102		80-120	1		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG418542-2 WG418542-3								
Mercury, Dissolved	114		111		80-120	3		20

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** WALPOLE PARK SOUTH

**Project Number:** 12700058-003

**Lab Number:** L1008812

**Report Date:** 06/21/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG417601-4 QC Sample: L1008812-04 Client ID: GHC-6												
Antimony, Dissolved	ND	0.5	0.4899	98		-	-		75-125	-		20
Thallium, Dissolved	ND	0.12	0.1159	96		-	-		75-125	-		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG417803-4 QC Sample: L1008812-04 Client ID: GHC-6												
Arsenic, Dissolved	ND	0.12	0.140	117		-	-		75-125	-		20
Barium, Dissolved	0.063	2	2.04	99		-	-		75-125	-		20
Beryllium, Dissolved	ND	0.05	0.050	100		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.055	108		-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.20	100		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.533	104		-	-		75-125	-		20
Nickel, Dissolved	ND	0.5	0.472	94		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.137	114		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.047	95		-	-		75-125	-		20
Vanadium, Dissolved	ND	0.5	0.531	106		-	-		75-125	-		20
Zinc, Dissolved	ND	0.5	0.511	102		-	-		75-125	-		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG418542-4 QC Sample: L1008812-04 Client ID: GHC-6												
Mercury, Dissolved	ND	0.001	0.0011	115		-	-		75-125	-		20

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L1008812

Report Date: 06/21/10

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1008812-01A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-01B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-01C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-02A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-02B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-02C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-03A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-03B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)

\*Values in parentheses indicate holding time in days

Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L1008812

Report Date: 06/21/10

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1008812-03C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-04A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-04B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-04C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-04D	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-05A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-05B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-05C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-06A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)

\*Values in parentheses indicate holding time in days



Project Name: WALPOLE PARK SOUTH

Project Number: 12700058-003

Lab Number: L1008812

Report Date: 06/21/10

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1008812-06B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-06C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-07A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-07B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-07C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-08A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-08B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-08C	Plastic 250ml HNO3 preserved	A	<2	4	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L1008812-09A	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	524.2(14)
L1008812-09B	Vial Ascorbic Acid/HCl preserved	A	N/A	4	Y	Absent	-

**Container Comments**

L1008812-01C

L1008812-07C

\*Values in parentheses indicate holding time in days





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

**Lab Number:** L1008812  
**Report Date:** 06/21/10

## 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.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
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.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL 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

<b>A</b>	- Spectra identified as "Aldol Condensation Product".
<b>B</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 at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
<b>D</b>	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
<b>E</b>	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
<b>H</b>	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
<b>P</b>	- The RPD between the results for the two columns exceeds the method-specified criteria.
<b>Q</b>	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
<b>R</b>	- Analytical results are from sample re-analysis.
<b>RE</b>	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report



**Project Name:** WALPOLE PARK SOUTH**Lab Number:** L1008812**Project Number:** 12700058-003**Report Date:** 06/21/10***Data Qualifiers*****J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).**ND** - Not detected at the reporting limit (RL) for the sample.

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

**Lab Number:** L1008812  
**Report Date:** 06/21/10

## REFERENCES

- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

## 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 Analytical 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 Analytical.

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, 2010 - 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, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)

*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), MA-EPH, MA-VPH, 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 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, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

#### *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, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-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, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

**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, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO<sub>3</sub>-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, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH<sub>3</sub>-H, 4500NH<sub>3</sub>-E, 4500NO<sub>2</sub>-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, 4500NO<sub>3</sub>-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO<sub>3</sub>-F, 4500NO<sub>2</sub>-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, 4500NH<sub>3</sub>-H, 4500-S D, EPA 350.1, 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, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO<sub>3</sub>-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH<sub>3</sub>-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO<sub>3</sub>-F, 4500-NO<sub>2</sub>-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources** Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. **NELAP Accredited.**

*Non-Potable Water* (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 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.

**Texas Commission on Environmental Quality** Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.

*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B**: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625**: 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.



# CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANSHFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3288

Serial No: 06211012-10

## Client Information

Client: Tetra Tech Kireo  
Address: One Grand St  
Frammingham, MA  
Phone: 508 903 2039  
Fax: 508 903 2001  
Email: Jan.Cannon@tetra-tech.com

☐ These samples have been previously analyzed by Alpha  
Other Project Specific Requirements/Comments/Detection Limits:

## Project Information

Project Name: Walpole Park South  
Project Location: Walpole, MA  
Project #: 12700058-003  
Project Manager: Ray Shaver / Joe Cannon  
ALPHA Quote #:  
Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)  
Date Due: 6/18/10 Time:

Date Rec'd in Lab: 6/11/10

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL  
☒ ADEX ☐ Add'l Deliverables

## Regulatory Requirements/Report Limits

State/Fed Program

MA MCP CAM RC 604-1

## MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

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

ALPHA Job #: 14008812

## Billing Information

Same as Client info PO #:  
46 AP

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		

8812.1	MW-3	6/11/10	0802	6W	AC
2	R12-3		0856		
3	MW-2		0933		
4	GHC-6		1008		
5	R12-9		1107		
6	R12-10		1230		
7	R12-8		1340		
8	MW-9		1410		
9	20100611-Trip Block	6/9/10		TS	APK

## PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT  
MA MCP or CT RCP?

Reimbursement By:

Date/Time

Received By:

Date/Time

ANALYSIS  
VOL (524.2)  
dis. MCP 14 Metals

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

Sample Specific Comments

TOTAL # BOTTLES

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 C**

### **Copies of Public Notification Letters**





TETRA TECH

August 2, 2010

Ms. Nancy Mackenzie, Chairman  
Board of Selectmen  
Town of Walpole  
135 School Street  
Walpole, MA 02081

**Re: Notice of Phase V – Remedy Operation Status  
Status Report #2  
Walpole Park South  
Walpole, Massachusetts  
RTNs 4-3021915 and 4-19976**

Dear Ms. Mackenzie:

On behalf of Walpole Park South, Rizzo Associates, Inc. is providing this notification that a Phase V – Remedy Operation Status, Status Report #2 will be submitted to the Massachusetts Department of Environmental Protection (DEP) for the above referenced Disposal Site on or about August 3, 2010.

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. The status 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 status report will also be available in the Public Information Repository at the Walpole Public Library.

Please contact the undersigned if you have any questions.

Very truly yours,

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

P:\Pre-FY2008\12700000\12700058\Rpts\Phase II report documents\Letter\_public-notice\_Town\_Phase V SR #1\_August 2010.doc

One Grant Street  
Framingham, MA 01701  
Tel 508.903.2000 Fax 508.903.2001



**TETRA TECH**

August 2, 2010

Ms. Robin Chapell, Health Agent  
Town of Walpole  
Board of Health  
135 School Street  
Walpole, MA 02081

**Re: Notice of Phase V – Remedy Operation Status  
Status Report #2  
Walpole Park South  
Walpole, Massachusetts  
RTNs 4-3021915 and 4-19976**

Dear Ms. Chapell:

On behalf of Walpole Park South, Tetra Tech Rizzo, Inc. is providing this notification that a Phase V – Remedy Operation Status, Status Report #2 will be submitted to the Massachusetts Department of Environmental Protection (DEP) for the above referenced Disposal Site on or about August 3, 2010.

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. The status 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 status report will also be available in the Public Information Repository at the Walpole Public Library.

Please contact the undersigned if you have any questions.

Very truly yours,

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

P:\Pre-FY2008\12700000\12700058\Rpts\Phase II report documents\Letter\_public-notice\_BOH\_Phase V SR #2\_August 2010.doc

One Grant Street  
Framingham, MA 01701  
Tel 508.903.2000 Fax 508.903.2001



TETRA TECH

August 2, 2010

Mr. Thomas A. Driscoll  
16 Old Farm Road  
Walpole, MA 02081

**Re: Notification of Document Availability  
Phase V – Remedy Operation Status, Status Report #2  
Walpole Park South  
Walpole, Massachusetts  
RTN 4-3021915**

Dear Mr. Driscoll:

On behalf of Walpole Park South Trust, we are submitting this letter to you, the other petitioners, and others shown on the attached mailing list to inform you that a Phase V – Remedy Operation Status, Status Report #1, prepared for the referenced Site has been completed and submitted to the Department of Environmental Protection. The report is available for review in the Public Involvement Plan (PIP) repository at the Walpole Public Library, and will be submitted to the Town of Walpole for access on-line at [www.walpole.ma.us](http://www.walpole.ma.us).

Please direct any inquiries to the undersigned.

Very truly yours,

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

Attachments: Mailing List

P:\Pre-FY2008\12700000\12700058\PublicInvolvementPlan\PIPNotfnLetter\_Status Report #2\_August 2010.doc

**Public Involvement Plan Mailing List  
Walpole Park South  
Walpole, Massachusetts  
RTN 4-3021915**

**PIP Petitioners:**

Thomas A. Driscoll  
16 Old Farm Road  
Walpole, MA 02081

Daniel Driscoll  
16 Old Farm Road  
Walpole, MA 02081

Deborah Driscoll  
16 Old Farm Road  
Walpole, MA 02081

Dainora Kupcinkas  
19 Old Farm Road  
Walpole, MA 02081

Aidas Kupcinkas  
19 Old Farm Road  
Walpole, MA 02081

Brian Backner  
21 Briarwood Lane  
Walpole, MA 02081

Mark O'Malia  
20 Old Farm Road  
Walpole, MA 02081

Shaunda O'Malia  
20 Old Farm Road  
Walpole, MA 02081

Margaret G. Trudell  
15 Old Farm Road  
Walpole, MA 02081

Mark E. Trudell  
15 Old Farm Road  
Walpole, MA 02081

Preston J. O'Toole  
12 Old Farm Road  
Walpole, MA 02081

Lesley Frankel  
4 Old Farm Road  
Walpole, MA 02081

Richard B. McGrath  
3 Old Farm Road  
Walpole, MA 02081

Barbara J. McGrath  
3 Old Farm Road  
Walpole, MA 02081

Robert J. DeSavage  
11 Old Farm Road  
Walpole, MA 02081

Phil Gouthro  
8 Old Farm Road  
Walpole, MA 02081

**Other Recipients:**

Representative Louis L. Kafka  
Massachusetts House of Representatives  
State House, Room 237  
Boston, MA 02133

Ms. Ellie Grillo  
Commonwealth of Massachusetts  
Department of Environmental Protection  
Bureau of Waste Site Cleanup  
Southeast Regional Office  
20 Riverside Drive  
Lakeville, MA 02347

Ms. Robin Chapell, Health Director  
Board of Health  
Town of Walpole  
135 School Street  
Walpole, MA 02081

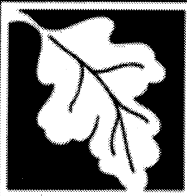
Mr. Michael E. Boynton, Town Administrator  
Town of Walpole  
135 School Street  
Walpole, MA 02081

Ms. Nancy Mackenzie, Chairman  
Board of Selectman  
Town of Walpole  
135 School Street  
Walpole, MA 02081

Mr. Kevin Muti, Chairman  
Board of Sewer and Water Commissioners  
Town of Walpole  
135 School Street  
Walpole, MA 02081

**Appendix D**

**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: WALPOLE PARK SOUTH

2. Street Address: 15 WALPOLE PARK S

3. City/Town: WALPOLE

4. ZIP Code: 020810000

☒ 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: WO51766

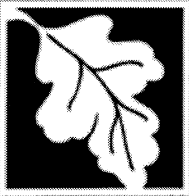
B. THIS FORM IS BEING USED (check all that apply)

- ☐ 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.:

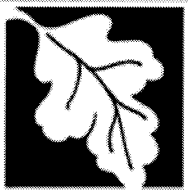
6. FAX:

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: 020810000

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:

Signature

3. Title:

TRUSTEE

4. For:

WALPOLE PARK SOUTH TRUST

(Name of person or entity recorded in Section D)

5. Date:

(mm/dd/yyyy)

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

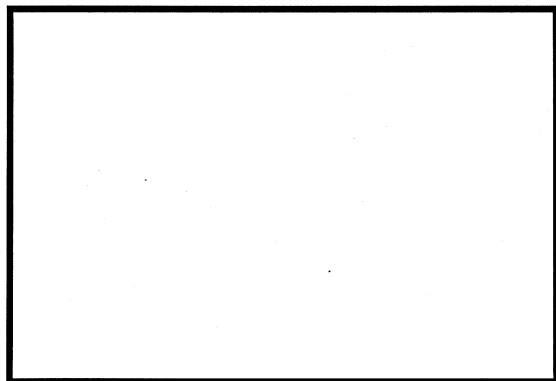
7. Street: \_\_\_\_\_

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.**