

Phase V – Remedy Operation Status
Status Report #1
Walpole Park South
Walpole, Massachusetts
Release Tracking Number 4-3021915

Submitted to:
Massachusetts Department of Environmental Protection

February 2, 2010

February 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 #1
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 #1 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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Framingham, MA 01701
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1.0 Introduction

This Phase V – Remedy Operation Status, Status Report #1 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 the Phase IV Completion Statement on July 28, 2009, and present other relevant information regarding the activities implemented at the Site.

The Phase IV Completion Statement 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

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 exceed the applicable MCP Method 1GW-1 standards, are present at relatively low concentrations 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 velocity. Dense non-aqueous phase liquids (DNAPL) have not been observed at the Site, and the relatively low concentrations and specific compounds detected make the likelihood that DNAPL is present extremely low. Further, since these compounds are usually generated as disinfection by-products, or by reactions associated with roadway deicing compounds, they are by nature only present in the dissolved phase.

Based on the extensive subsurface testing completed to date, it does not appear that there is a specific on-site source of the identified compounds, historic data did not indicate a clearly definable plume, and recent results have shown the few detected analytes at concentrations well below MCP GW-1 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 first Phase V groundwater sampling was performed in December 2009. The scope of the sampling included the collection of groundwater samples from monitoring wells GHC-6, MW-3, MW-9, RIZ-8S, RIZ-8, RIZ-9, RIZ-10 and MW-2.

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. Monitoring well RIZ-8S, located near the southern property boundary, ran dry shortly after commencement of purging, and could not be sampled during this event. We note that 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. In addition, we were unable to locate or sample MW-2 because it was buried under a snow pile.

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 7.67 feet bgs in GHC-6 to 39.68 feet bgs in MW-3. As noted previously, because of a limited saturated thickness and inadequate recharge while purging, a groundwater sample could not be obtained from monitoring well RIZ-8S.

Groundwater samples were collected from the monitoring wells noted above, with the exception of RIZ-8S, and submitted for laboratory analysis for dissolved MCP 14 Metals and VOCs by Method 8260.

5.1 Groundwater Analysis Results – December 2009

The laboratory analysis results for the groundwater samples collected in December 2009 indicated the presence of methyl tert-butyl ether (MTBE) in the sample from MW-9 at a concentration of 0.77 micrograms per liter ($\mu\text{g/l}$), well below the applicable RCGW-1 reportable concentration and GW-1 standard of 70 $\mu\text{g/l}$ that is applicable to the Site. No other VOCs were reported at concentrations exceeding the laboratory detection limits.

Barium was detected in five (5) samples at concentrations ranging from 0.031 milligrams per liter (mg/l) to 0.0.177 mg/l , well below the RCGW-1 reportable concentration and MCP Method 1 GW-1 standard of 2 mg/l . In addition, zinc was detected in the sample from MW-9 at a concentration of 0.52 mg/l , below the applicable reportable concentrations of 0.90 mg/l . No other 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 December 2009 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 GW-1 standards.

6.0 Phase V Implementation

6.1 Sampling Schedule

It is anticipated that the next round of groundwater sampling will take place in June 2010, with samples collected at approximately 6 month intervals thereafter. Phase V status reports will be submitted at least every six months.

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 applicable MCP GW-1 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 #1 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.

Table 1 Groundwater Analytical Data (µg/L)												
Location:	RIZ-8	RIZ-8	RIZ-8	RIZ-8	RIZ-8	RIZ-8S	RIZ-8S	RIZ-9	RIZ-9	RIZ-9	RIZ-9	RIZ-9
Sample Name:	RIZ-8	RIZ-8-042808	RIZ-8-GW	RIZ-8	RIZ-8	RIZ-8S-042808	RIZ-8S	RIZ-9	RIZ-9-042808	Riz-9-GW	RIZ-9	RIZ-9
Laboratory:	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA
Laboratory I.D.:	L0718979-01	L0806023-04	SA87371-02	L0907670-02	L0918777-02	L0806023-05	L0907670-03	L0718979-03	L0806023-02	SA87371-06	L0907670-08	L0918777-05
Sample Date:	19-Dec-07	28-Apr-08	11-Nov-08	10-Jun-09	21-Dec-09	28-Apr-08	10-Jun-09	19-Dec-07	28-Apr-08	11-Nov-08	10-Jun-09	28-Dec-09
Consultant:	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR
Chloroform	<0.75	<0.50	<1.0	<0.50	<0.5	<0.50	<0.50	<0.75	<0.50	<1.0	<0.50	<0.5
Methyl tert butyl ether	<1.0	<0.50	<1.0	<0.50	<0.5	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.5
Toluene	<0.75	<0.50	<1.0	<0.50	<0.5	<0.50	0.71	<0.75	<0.50	<1.0	<0.50	<0.5
Barium, Dissolved	50.8	25.0	27.6	26	31	54.0	51	15.3	21.0	14.8	15	<10
Lead, Dissolved	<2.0	<10.0	<7.5	<10	<10	<10.0	<10	<2.0	<10.0	<7.5	<10	<10
Nickel, Dissolved	4.8	<25.0	<5.0	<25	<25	<25.0	<25	<2.0	<25.0	<5.0	<25	<25
Thallium, Dissolved	<2.0	<2.0	<5.0	<2.0	<2	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2
Zinc, Dissolved	<20.0	<50.0	26.4	<50	<50	<50.0	<50	<20.0	<50.0	20.0	<50	<50

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

Table 1Groundwater Analytical Data (µg/L)												
Location:	RIZ-10	RIZ-10	RIZ-10	RIZ-10	RIZ-10	RIZ-10	GHC-6	GHC-6	GHC-6	GHC-6	GHC-6	MW-9
Sample Name:	RIZ-10	RIZ-10-042808	RIZ-10-GW	RIZ-10	RIZ-10	RIZ-10	GHC-6	GHC-6-042808	GHC-6-GW	GHC-6	GHC-6	MW-9
Laboratory:	ALPHA	ALPHA	Spectrum	Alpha	ALPHA	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA
Laboratory I.D.:	L0718979-02	L0806023-01	SA87371-01	L0818397-01	L0907670-01	L0918777-06	L0718979-04	L0806023-06	SA87371-08	L0907670-05	L0918777-03	L0718979-05
Sample Date:	19-Dec-07	28-Apr-08	11-Nov-08	11-Dec-08	10-Jun-09	28-Dec-09	19-Dec-07	28-Apr-08	11-Nov-08	10-Jun-09	28-Dec-09	19-Dec-07
Consultant:	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR
Chloroform	<0.75	<0.50	<1.0		<0.50	<0.5	<0.75	<0.50	<1.0	<0.50	<0.5	<0.75
Methyl tert butyl ether	1.2	<0.50	<1.0		<0.50	<0.5	<1.0	<0.50	<1.0	<0.50	<0.5	5.1
Toluene	<0.75	0.73	<1.0		<0.50	<0.5	<0.75	<0.50	<1.0	<0.50	<0.5	<0.75
Barium, Dissolved	95.8	62.0	88.4		148	99	45.9	59.0	36.8	66	39	7.0
Lead, Dissolved	<2.0	<10.0	<7.5		<10	<10	<2.0	<10.0	<7.5	<10	<10	<2.0
Nickel, Dissolved	7.9	<25.0	<5.0		<25	<25	<2.0	<25.0	<5.0	<25	<25	<2.0
Thallium, Dissolved	<2.0	<2.0	11.6	<2.0	<2.0	<2	<2.0	<2.0	<5.0	<2.0	<2	<2.0
Zinc, Dissolved	21.6	<50.0	36.3		<50	<50	<20.0	<50.0	21.6	<50	<50	25.9

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

Groundwater Analytical Data (µg/L)												
Table 1												
Location:	MW-9	MW-9	MW-9	MW-9	RIZ-3	RIZ-3	RIZ-3	RIZ-3	RIZ-3	MW-3	MW-3	MW-3
Sample Name:	MW-9-051408	MW-9-GW	MW-9	MW-9	RIZ-3	RIZ-3-051408	RIZ-3-GW	RIZ-3	RIZ-3	MW-3	MW-3-042808	MW-3-GW
Laboratory:	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	ALPHA	ALPHA	ALPHA	Spectrum
Laboratory I.D.:	L0806993-02	SA87371-04	L0907670-04	L0918777-01	L0718979-06	L0806993-01	SA87371-03	L0907670-06	L0918777-04	L0718979-07	L0806023-03	SA87371-07
Sample Date:	14-May-08	11-Nov-08	10-Jun-09	21-Dec-09	19-Dec-07	14-May-08	11-Nov-08	10-Jun-09	28-Dec-09	19-Dec-07	28-Apr-08	11-Nov-08
Consultant:	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR	TTR
Chloroform	0.71	2.2	0.75	<0.5	<0.75	<0.50	<1.0	<0.50	<0.5	<0.75	<0.50	<1.0
Methyl tert butyl ether	7.9	2.7	<0.50	0.77	<1.0	<0.50	<1.0	<0.50	<0.5	1.7	<0.50	<1.0
Toluene	<0.50	<1.0	<0.50	<0.5	<0.75	<0.50	<1.0	<0.50	<0.5	<0.75	<0.50	<1.0
Barium, Dissolved	13.0	18.6	29	56	25.6	44.0	86.2	13	177	15.2	10.0	11.4
Lead, Dissolved	<10.0	<7.5	<10	<10	<2.0	<10.0	<7.5	<10	<10	<2.0	<10.0	8.8
Nickel, Dissolved		<5.0	<25	<25	<2.0		<5.0	<25	<25	<2.0	<25.0	<5.0
Thallium, Dissolved		<5.0	<2.0	<2	<2.0		<5.0	<2.0	<2	<2.0	<2.0	<5.0
Zinc, Dissolved		34.7	<50	52	<20.0		21.0	<50	<50	<20.0	<50.0	34.5

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

Table 1Groundwater Analytical Data (µg/L)									
Location:	MW-3	MW-3	MW-2	MW-2	MW-2	2007	2007	2007	2007
Sample Name:	MW-3	MW-3	MW-2-042808	MW-2-GW	MW-2	Method 1	Method 1	Method 1	RCGW-1
Laboratory:	ALPHA	ALPHA	ALPHA	Spectrum	ALPHA	Standard	Standard	Standard	Standard
Laboratory I.D.:	L0908197-01	L0918777-07	L0806023-07	SA87371-05	L0907670-07	GW-1	GW-2	GW-3	µg/L
Sample Date:	8-Jun-09	28-Dec-09	28-Apr-08	11-Nov-08	10-Jun-09				
Consultant:	TTR	TTR	TTR	TTR	TTR				
Chloroform	<0.50	<0.5	2.20	<1.0	1.0	70	50	20,000	50
Methyl tert butyl ether	<0.50	<0.5	<0.50	<1.0	<0.50	70	50,000	50,000	70
Toluene	<0.50	<0.5	<0.50	<1.0	<0.50	1,000	50,000	40,000	1,000
Barium, Dissolved	21	<10	31.00	129	70	2,000	NA	50,000	2,000
Lead, Dissolved	<10	<10	<10.0	<7.5	<10	15	NA	10	10
Nickel, Dissolved	<25	<25	<25.0	<5.0	<25	100	NA	200	100
Thallium, Dissolved	<2.0	<2	<2.0	<5.0	<2.0	2	NA	3000	2
Zinc, Dissolved	<50	<50	<50.0	28.0	<50	5,000	NA	900	900

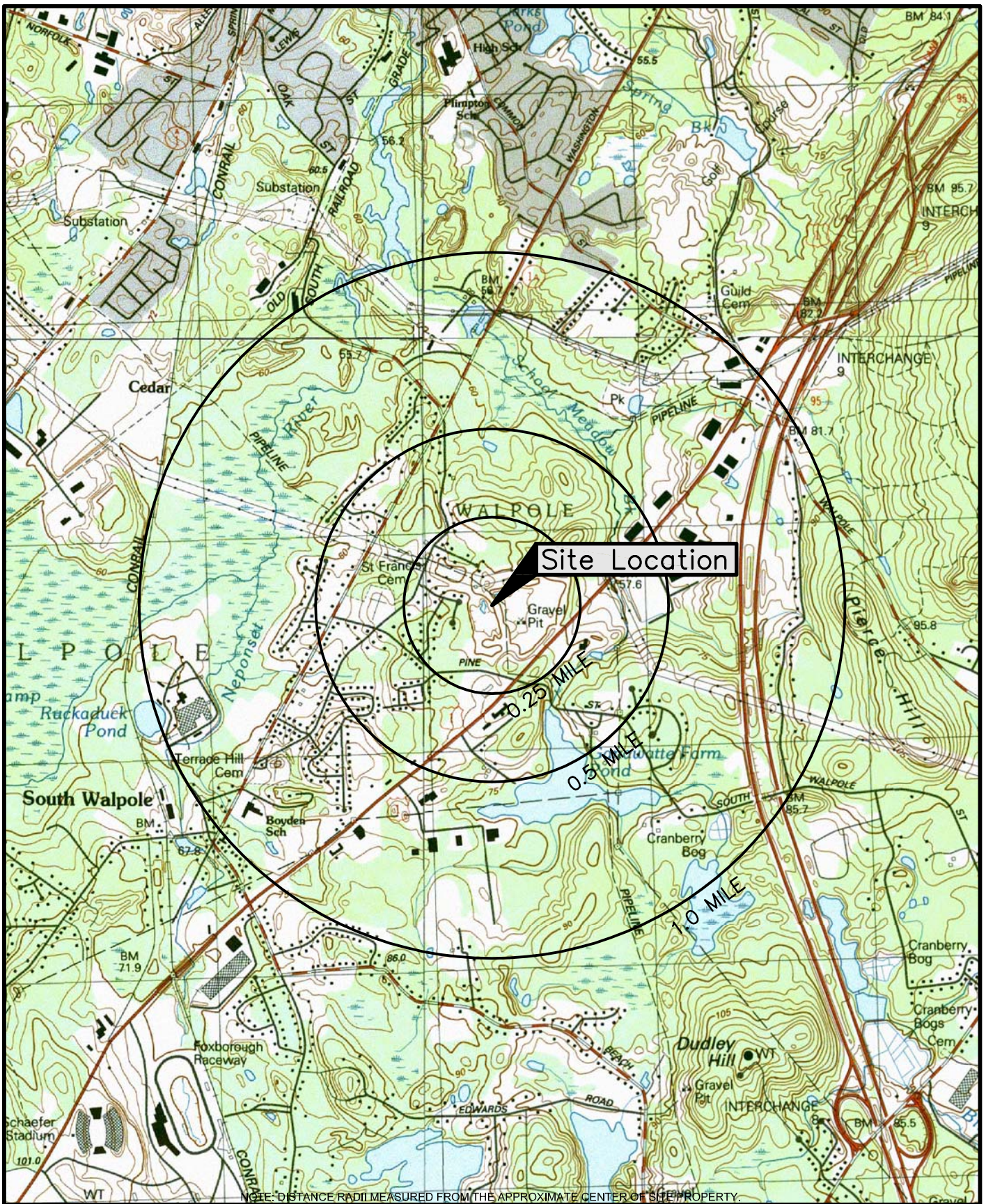
Note: < or ND indicates compound not detected above Laboratory method detection limit
Bold Indicates exceedance of MCP Method 1 standard

Table 2. Groundwater Elevation Data - December 2010

Monitoring Well I.D.	Relative Well Casing Elevation (ft)	Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-2	240.90	Well buried under snowpile	Well buried under snowpile
MW-3	236.67	39.68	197.08
MW-9	256.08	28.81	227.27
GHC-6	236.01	7.67	228.34
RIZ-3	241.52	17.03	224.49
RIZ-8	265.52	22.15	243.37
RIZ-8S	265.38	21.54	243.84
RIZ-9	246.69	10.71	235.98
RIZ-10	No survey data	37.88	No survey data

Notes:

1. Rim elevations for MW and GHC series wells from the "*Groundwater Sampling Report, Winter-Spring 2004* " Report, August 10, 2004
2. Rim elevations for RIZ-1 through RIZ-3 from April 10, 2006 Rizzo Associates survey
3. Rim elevations for RIZ-8 and RIZ-8S surveyed relative to MW-1, MW-8 and GHC-2 on April 25, 2008.
4. Rim elevations for RIZ-9 surveyed relative to RIZ-1 on April 25, 2008
5. Depth to water measured on December 21, 2009



Project No. 12700058

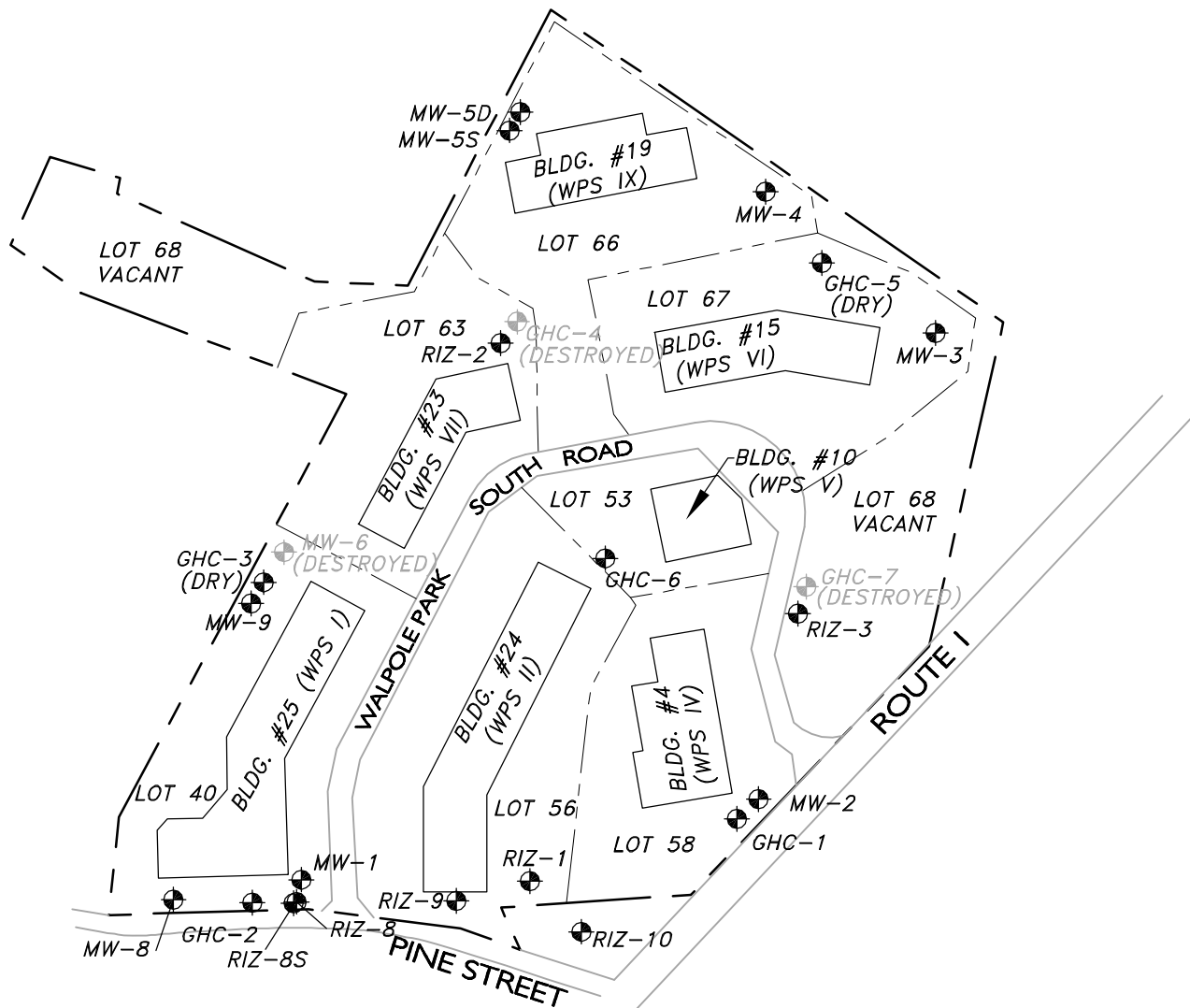
Walpole Park South
Walpole, Massachusetts

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

Site Locus Plan

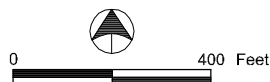
Figure
1



LEGEND

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

12700058P-ESP02



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

Walpole Park South
Walpole, Massachusetts

Site Plan with
Monitoring Well
Locations

Figure
2

Appendix A

Statement of Limitations and Conditions

Attachment A: Limitations

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

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

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:	February 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

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.

P:\Pre-FY2008\12700000\12700058\Rpts\Phase II report documents\LSP_Appendix_A_February 2010.doc

Appendix B

Laboratory Certificates of Analysis



ANALYTICAL REPORT

Lab Number:	L0918777
Client:	Tetra Tech Rizzo 1 Grant Street Framingham, MA 01701-9005
ATTN:	Ian Cannan
Project Name:	WALPOLE PK SOUTH
Project Number:	12700058
Report Date:	01/05/10

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.

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



Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0918777-01	MW-9	WALPOLE, MA	12/21/09 10:12
L0918777-02	RIZ-8	WALPOLE, MA	12/21/09 11:05
L0918777-03	GHC-6	WALPOLE, MA	12/28/09 08:25
L0918777-04	RIZ-3	WALPOLE, MA	12/28/09 09:03
L0918777-05	RIZ-9	WALPOLE, MA	12/28/09 10:00
L0918777-06	RIZ-10	WALPOLE, MA	12/28/09 10:43
L0918777-07	MW-3	WALPOLE, MA	12/28/09 11:50
L0918777-08	TRIP BLANK	WALPOLE, MA	12/21/09 00:00

Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

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.

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

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



Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

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.

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

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

MCP Related Narratives

Sample Receipt

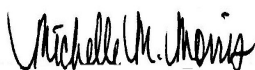
The samples were Field Filtered for Dissolved Metals only.

Metals

L0918777-01 through -07 have elevated detection limits for Antimony and Thallium due to the dilutions required by the high concentrations of non-target analytes. The requested reporting limits were achieved.

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

Authorized Signature:



Title: Technical Director/Representative

Date: 01/05/10

ORGANICS

VOLATILES

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-01
Client ID: MW-9
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 11:35
Analyst: TT

Date Collected: 12/21/09 10:12
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-01
Client ID: MW-9
Sample Location: WALPOLE, MA

Date Collected: 12/21/09 10:12
Date Received: 12/29/09
Field Prep: See Narrative

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

1,3-Dichlorobenzene	ND		ug/l	0.50	1
1,4-Dichlorobenzene	ND		ug/l	0.50	1
Styrene	ND		ug/l	0.50	1
o-Xylene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	0.50	1
2,2-Dichloropropane	ND		ug/l	0.50	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
1,2,3-Trichloropropane	ND		ug/l	0.50	1
Bromochloromethane	ND		ug/l	0.50	1
n-Butylbenzene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	0.50	1
Hexachlorobutadiene	ND		ug/l	0.50	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	0.50	1
n-Propylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	0.50	1
o-Chlorotoluene	ND		ug/l	0.50	1
p-Chlorotoluene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	0.50	1
1,2-Dibromoethane	ND		ug/l	0.50	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	1
1,3-Dichloropropane	ND		ug/l	0.50	1
Methyl tert butyl ether	0.77		ug/l	0.50	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/l		1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-01

Date Collected: 12/21/09 10:12

Client ID: MW-9

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	102		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-02
Client ID: RIZ-8
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 12:12
Analyst: TT

Date Collected: 12/21/09 11:05
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS****Lab ID:** L0918777-02**Date Collected:** 12/21/09 11:05**Client ID:** RIZ-8**Date Received:** 12/29/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-02

Date Collected: 12/21/09 11:05

Client ID: RIZ-8

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	102		80-120
4-Bromofluorobenzene	93		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-03
Client ID: GHC-6
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 12:49
Analyst: TT

Date Collected: 12/28/09 08:25
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-03
 Client ID: GHC-6
 Sample Location: WALPOLE, MA

Date Collected: 12/28/09 08:25
 Date Received: 12/29/09
 Field Prep: See Narrative

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

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-03

Date Collected: 12/28/09 08:25

Client ID: GHC-6

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-04
Client ID: RIZ-3
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 13:26
Analyst: TT

Date Collected: 12/28/09 09:03
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-04
Client ID: RIZ-3
Sample Location: WALPOLE, MA

Date Collected: 12/28/09 09:03
Date Received: 12/29/09
Field Prep: See Narrative

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

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/l		1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-04

Date Collected: 12/28/09 09:03

Client ID: RIZ-3

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	102		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-05
Client ID: RIZ-9
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 14:02
Analyst: TT

Date Collected: 12/28/09 10:00
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS****Lab ID:** L0918777-05**Date Collected:** 12/28/09 10:00**Client ID:** RIZ-9**Date Received:** 12/29/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-05

Date Collected: 12/28/09 10:00

Client ID: RIZ-9

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	107		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-06
Client ID: RIZ-10
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 14:39
Analyst: TT

Date Collected: 12/28/09 10:43
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS****Lab ID:** L0918777-06**Date Collected:** 12/28/09 10:43**Client ID:** RIZ-10**Date Received:** 12/29/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-06

Date Collected: 12/28/09 10:43

Client ID: RIZ-10

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	104		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-07
Client ID: MW-3
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 15:16
Analyst: TT

Date Collected: 12/28/09 11:50
Date Received: 12/29/09
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS****Lab ID:** L0918777-07**Date Collected:** 12/28/09 11:50**Client ID:** MW-3**Date Received:** 12/29/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-07

Date Collected: 12/28/09 11:50

Client ID: MW-3

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	92		80-120

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-08
Client ID: TRIP BLANK
Sample Location: WALPOLE, MA
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 12/30/09 15:53
Analyst: TT

Date Collected: 12/21/09 00:00
Date Received: 12/29/09
Field Prep: None

Parameter	Result	Qualifier	Units	RDL	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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-08
 Client ID: TRIP BLANK
 Sample Location: WALPOLE, MA

Date Collected: 12/21/09 00:00
 Date Received: 12/29/09
 Field Prep: None

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

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-08

Date Collected: 12/21/09 00:00

Client ID: TRIP BLANK

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: None

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	106		80-120
4-Bromofluorobenzene	93		80-120

Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 12/30/09 07:18
 Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG395058-2				
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 PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 12/30/09 07:18
 Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG395058-2				
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 PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2

Analytical Date: 12/30/09 07:18

Analyst: TT

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG395058-2				

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	102		80-120
4-Bromofluorobenzene	95		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG395058-1								
Methylene chloride	96		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Chloroform	108		-		70-130	-		
Carbon tetrachloride	115		-		70-130	-		
1,2-Dichloropropane	106		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,1,2-Trichloroethane	107		-		70-130	-		
Tetrachloroethene	111		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Trichlorofluoromethane	115		-		70-130	-		
1,2-Dichloroethane	118		-		70-130	-		
1,1,1-Trichloroethane	116		-		70-130	-		
Bromodichloromethane	111		-		70-130	-		
trans-1,3-Dichloropropene	110		-		70-130	-		
cis-1,3-Dichloropropene	112		-		70-130	-		
Bromoform	119		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
Benzene	104		-		70-130	-		
Toluene	104		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG395058-1								
Chloromethane	104		-		70-130	-		
Bromomethane	91		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
Chloroethane	102		-		70-130	-		
1,1-Dichloroethene	100		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		
Trichloroethene	110		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
Styrene	104		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,1-Dichloropropene	107		-		70-130	-		
2,2-Dichloropropane	114		-		70-130	-		
1,1,1,2-Tetrachloroethane	117		-		70-130	-		
1,2,3-Trichloropropane	115		-		70-130	-		
Bromochloromethane	106		-		70-130	-		
n-Butylbenzene	99		-		70-130	-		
Dichlorodifluoromethane	115		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG395058-1								
Isopropylbenzene	107		-		70-130	-		
p-Isopropyltoluene	109		-		70-130	-		
Naphthalene	72		-		70-130	-		
n-Propylbenzene	103		-		70-130	-		
sec-Butylbenzene	104		-		70-130	-		
tert-Butylbenzene	109		-		70-130	-		
1,2,3-Trichlorobenzene	89		-		70-130	-		
1,2,4-Trichlorobenzene	91		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
1,3,5-Trimethylbenzene	110		-		70-130	-		
Bromobenzene	109		-		70-130	-		
o-Chlorotoluene	111		-		70-130	-		
p-Chlorotoluene	107		-		70-130	-		
Dibromomethane	101		-		70-130	-		
1,2-Dibromoethane	111		-		70-130	-		
1,2-Dibromo-3-chloropropane	99		-		70-130	-		
1,3-Dichloropropane	103		-		70-130	-		
Methyl tert butyl ether	114		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

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): 01-08 Batch: WG395058-1

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichlorobenzene-d4	100				80-120
4-Bromofluorobenzene	101				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

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): 01-08 QC Batch ID: WG395058-3 QC Sample: L0918740-01 Client ID: MS Sample												
Methylene chloride	ND	4	4.0	101		-	-		70-130	-		20
1,1-Dichloroethane	ND	4	4.4	110		-	-		70-130	-		20
Chloroform	ND	4	4.5	112		-	-		70-130	-		20
Carbon tetrachloride	ND	4	4.9	123		-	-		70-130	-		20
1,2-Dichloropropane	ND	4	4.4	110		-	-		70-130	-		20
Dibromochloromethane	ND	4	4.0	101		-	-		70-130	-		20
1,1,2-Trichloroethane	ND	4	4.2	104		-	-		70-130	-		20
Tetrachloroethene	ND	4	4.6	114		-	-		70-130	-		20
Chlorobenzene	ND	4	4.4	110		-	-		70-130	-		20
Trichlorofluoromethane	ND	4	5.0	124		-	-		70-130	-		20
1,2-Dichloroethane	ND	4	4.7	117		-	-		70-130	-		20
1,1,1-Trichloroethane	ND	4	5.2	130		-	-		70-130	-		20
Bromodichloromethane	ND	4	4.3	108		-	-		70-130	-		20
trans-1,3-Dichloropropene	ND	4	4.0	99		-	-		70-130	-		20
cis-1,3-Dichloropropene	ND	4	4.6	115		-	-		70-130	-		20
Bromoform	ND	4	4.0	101		-	-		70-130	-		20
1,1,2,2-Tetrachloroethane	ND	4	4.0	99		-	-		70-130	-		20
Benzene	ND	4	4.2	106		-	-		70-130	-		20
Toluene	ND	4	4.4	109		-	-		70-130	-		20
Ethylbenzene	ND	4	4.3	107		-	-		70-130	-		20
p/m-Xylene	ND	8	8.6	108		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

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): 01-08 QC Batch ID: WG395058-3 QC Sample: L0918740-01 Client ID: MS Sample												
Chloromethane	ND	4	3.6	91		-	-		70-130	-		20
Bromomethane	ND	4	4.0	101		-	-		70-130	-		20
Vinyl chloride	ND	4	5.0	125		-	-		70-130	-		20
Chloroethane	ND	4	4.4	111		-	-		70-130	-		20
1,1-Dichloroethene	ND	4	4.5	114		-	-		70-130	-		20
trans-1,2-Dichloroethene	ND	4	4.2	106		-	-		70-130	-		20
cis-1,2-Dichloroethene	ND	4	4.2	105		-	-		70-130	-		20
Trichloroethene	ND	4	4.5	113		-	-		70-130	-		20
1,2-Dichlorobenzene	ND	4	4.0	99		-	-		70-130	-		20
1,3-Dichlorobenzene	ND	4	4.1	102		-	-		70-130	-		20
1,4-Dichlorobenzene	ND	4	4.0	100		-	-		70-130	-		20
Styrene	ND	4	3.9	97		-	-		70-130	-		20
o-Xylene	ND	4	4.1	104		-	-		70-130	-		20
1,1-Dichloropropene	ND	4	4.4	111		-	-		70-130	-		20
2,2-Dichloropropane	ND	4	4.8	120		-	-		70-130	-		20
1,1,1,2-Tetrachloroethane	ND	4	4.6	115		-	-		70-130	-		20
1,2,3-Trichloropropane	ND	4	4.1	102		-	-		70-130	-		20
Bromochloromethane	ND	4	4.2	104		-	-		70-130	-		20
n-Butylbenzene	ND	4	4.0	99		-	-		70-130	-		20
Dichlorodifluoromethane	ND	4	3.9	98		-	-		70-130	-		20
Hexachlorobutadiene	ND	4	4.3	108		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

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): 01-08 QC Batch ID: WG395058-3 QC Sample: L0918740-01 Client ID: MS Sample												
Isopropylbenzene	ND	4	3.8	96		-	-		70-130	-		20
p-Isopropyltoluene	ND	4	4.3	107		-	-		70-130	-		20
Naphthalene	ND	4	2.6	65	Q	-	-		70-130	-		20
n-Propylbenzene	ND	4	4.2	106		-	-		70-130	-		20
sec-Butylbenzene	ND	4	4.3	108		-	-		70-130	-		20
tert-Butylbenzene	ND	4	4.5	112		-	-		70-130	-		20
1,2,3-Trichlorobenzene	ND	4	3.3	82		-	-		70-130	-		20
1,2,4-Trichlorobenzene	ND	4	3.2	81		-	-		70-130	-		20
1,2,4-Trimethylbenzene	ND	4	4.4	110		-	-		70-130	-		20
1,3,5-Trimethylbenzene	ND	4	4.4	111		-	-		70-130	-		20
Bromobenzene	ND	4	4.3	108		-	-		70-130	-		20
o-Chlorotoluene	ND	4	4.4	110		-	-		70-130	-		20
p-Chlorotoluene	ND	4	4.2	105		-	-		70-130	-		20
Dibromomethane	ND	4	4.2	106		-	-		70-130	-		20
1,2-Dibromoethane	ND	4	4.4	109		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	4	3.7	93		-	-		70-130	-		20
1,3-Dichloropropane	ND	4	4.1	104		-	-		70-130	-		20
Methyl tert butyl ether	ND	4	4.4	109		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

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): 01-08 QC Batch ID: WG395058-3 QC Sample: L0918740-01 Client ID: MS Sample

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichlorobenzene-d4	98				80-120
4-Bromofluorobenzene	102				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG395058-4 QC Sample: L0918783-02 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		20
1,1-Dichloroethane	ND	ND	ug/l	NC		20
Chloroform	ND	ND	ug/l	NC		20
Carbon tetrachloride	ND	ND	ug/l	NC		20
1,2-Dichloropropane	ND	ND	ug/l	NC		20
Dibromochloromethane	ND	ND	ug/l	NC		20
1,1,2-Trichloroethane	ND	ND	ug/l	NC		20
Tetrachloroethene	ND	ND	ug/l	NC		20
Chlorobenzene	ND	ND	ug/l	NC		20
Trichlorofluoromethane	ND	ND	ug/l	NC		20
1,2-Dichloroethane	ND	ND	ug/l	NC		20
1,1,1-Trichloroethane	ND	ND	ug/l	NC		20
Bromodichloromethane	ND	ND	ug/l	NC		20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		20
Bromoform	ND	ND	ug/l	NC		20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		20
Benzene	ND	ND	ug/l	NC		20
Toluene	ND	ND	ug/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG395058-4 QC Sample: L0918783-02 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG395058-4 QC Sample: L0918783-02 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG395058-4 QC Sample: L0918783-02 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	1.4	1.4	ug/l	0	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	102		101		80-120
4-Bromofluorobenzene	93		94		80-120

METALS

Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-01

Date Collected: 12/21/09 10:12

Client ID: MW-9

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 18:56	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	ND		mg/l	0.005	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.056		mg/l	0.010	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:09	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 18:56	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI
Zinc, Dissolved	0.052		mg/l	0.050	1	01/04/10 11:15	01/04/10 17:57	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-02

Date Collected: 12/21/09 11:05

Client ID: RIZ-8

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:20	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	0.005		mg/l	0.005	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.031		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:11	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:20	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	01/04/10 11:15	01/04/10 18:00	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS****Lab ID:** L0918777-03**Date Collected:** 12/28/09 08:25**Client ID:** GHC-6**Date Received:** 12/29/09**Sample Location:** WALPOLE, MA**Field Prep:** See Narrative**Matrix:** Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:26	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	ND		mg/l	0.005	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.039		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:13	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:26	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	01/04/10 11:15	01/04/10 18:04	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-04
 Client ID: RIZ-3
 Sample Location: WALPOLE, MA
 Matrix: Water

Date Collected: 12/28/09 09:03
 Date Received: 12/29/09
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:32	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	ND		mg/l	0.005	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.177		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:15	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:32	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	01/04/10 11:15	01/04/10 18:07	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH**Lab Number:** L0918777**Project Number:** 12700058**Report Date:** 01/05/10**SAMPLE RESULTS**

Lab ID: L0918777-05

Date Collected: 12/28/09 10:00

Client ID: RIZ-9

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:38	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	ND		mg/l	0.005	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:16	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:38	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	01/04/10 11:15	01/04/10 18:10	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-06

Date Collected: 12/28/09 10:43

Client ID: RIZ-10

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:44	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	ND		mg/l	0.005	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Barium, Dissolved	0.099		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:55	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:44	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	01/04/10 11:15	01/04/10 18:14	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918777-07

Date Collected: 12/28/09 11:50

Client ID: MW-3

Date Received: 12/29/09

Sample Location: WALPOLE, MA

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Antimony, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:50	EPA 3005A	64,6020A	TD
Arsenic, Dissolved	ND		mg/l	0.005	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.004	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	1	12/30/09 13:20	12/31/09 11:56	EPA 7470A	64,7470A	EZ
Nickel, Dissolved	ND		mg/l	0.025	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0020	4	12/30/09 09:40	12/30/09 19:50	EPA 3005A	64,6020A	TD
Vanadium, Dissolved	ND		mg/l	0.010	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	1	01/04/10 11:15	01/04/10 18:17	EPA 3005A	60,6010B	AI



Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-07 Batch: WG395110-1								
Antimony, Dissolved	ND	mg/l	0.0005	1	12/30/09 09:40	12/30/09 18:32	64,6020A	TD
Thallium, Dissolved	ND	mg/l	0.0005	1	12/30/09 09:40	12/30/09 18:32	64,6020A	TD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-07 Batch: WG395135-1								
Mercury, Dissolved	ND	mg/l	0.0002	1	12/30/09 13:20	12/31/09 10:53	64,7470A	EZ

Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-07 Batch: WG395350-1								
Arsenic, Dissolved	ND	mg/l	0.005	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Barium, Dissolved	ND	mg/l	0.010	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Beryllium, Dissolved	ND	mg/l	0.004	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Cadmium, Dissolved	ND	mg/l	0.004	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Chromium, Dissolved	ND	mg/l	0.01	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Lead, Dissolved	ND	mg/l	0.010	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Nickel, Dissolved	ND	mg/l	0.025	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Selenium, Dissolved	ND	mg/l	0.010	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Silver, Dissolved	ND	mg/l	0.007	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI
Zinc, Dissolved	ND	mg/l	0.050	1	01/04/10 11:15	01/04/10 17:15	60,6010B	AI

Project Name: WALPOLE PK SOUTH

Lab Number: L0918777

Project Number: 12700058

Report Date: 01/05/10

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG395110-2 WG395110-3								
Antimony, Dissolved	97		94		80-120	3		20
Thallium, Dissolved	97		96		80-120	1		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG395135-2 WG395135-3								
Mercury, Dissolved	98		106		80-120	8		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG395350-2 WG395350-3								
Arsenic, Dissolved	110		109		80-120	1		20
Barium, Dissolved	100		98		80-120	2		20
Beryllium, Dissolved	105		101		80-120	4		20
Cadmium, Dissolved	108		108		80-120	0		20
Chromium, Dissolved	100		105		80-120	5		20
Lead, Dissolved	106		106		80-120	0		20
Nickel, Dissolved	101		101		80-120	0		20
Selenium, Dissolved	110		112		80-120	2		20
Silver, Dissolved	103		105		80-120	2		20
Vanadium, Dissolved	102		104		80-120	2		20
Zinc, Dissolved	109		108		80-120	1		20

Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0918777-01A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-01C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-02A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-02B	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-02C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-03A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-03B	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-03C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-04A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-04B	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)

*Hold days indicated by values in parentheses



Project Name: WALPOLE PK SOUTH

Project Number: 12700058

Lab Number: L0918777

Report Date: 01/05/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0918777-04C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-05A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-05B	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-05C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-06A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-06B	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-06C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-07A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-07B	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)
L0918777-07C	Plastic 500ml HNO3 preserved	A	<2	5	Y	Absent	MCP-AG-6010S(180),MCP-BA-6010S(180),MCP-SB-6020S(180),MCP-SE-6010S(180),MCP-BE-6010S(180),MCP-NI-6010S(180),MCP-CD-6010S(180),MCP-TL-6020S(180),MCP-7470S(28),MCP-CR-6010S(180),MCP-PB-6010S(180),MCP-ZN-6010S(180),MCP-AS-6010S(180),MCP-V-6010S(180)
L0918777-08A	Vial Ascorbic Acid/HCl preserved	A	N/A	5	Y	Absent	524.2(14)

*Hold days indicated by values in parentheses



Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) 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.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- 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 RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report



Project Name: WALPOLE PK SOUTH
Project Number: 12700058

Lab Number: L0918777
Report Date: 01/05/10

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certificate/Approval Program Summary

Last revised December 1, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, 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,Tl,Ti,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, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1

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

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, 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, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 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, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B₅+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, 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, 4500NO₃-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, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃-F, 4500-NO₂-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 S²⁻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.)

Utah Department of Health Certificate/Lab ID: AAMA. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

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.)

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.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene. **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.



WESTBORO, MA MANSFIELD, MA
TEL: 508-898-9220 TEL: 508-822-9300
FAX: 508-898-9193 FAX: 508-822-3288

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ANALYST WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193	MANSFIELD, MA TEL: 508-822-8300 FAX: 508-822-3288
Client Information	
Project Information	
Project Name:	<i>Waldpole Plc South</i>
Project Location:	<i>Waldpole, MA</i>

Client:	Tela Tel Azro	Project #:	12700058
Address:	One Grant St Framingham, MA	Project Manager:	Ray Johnson / Ian Carver
Phone:	508 503-2039	ALPHA Quote #:	
Day:	08 04 2017	Turn-Around Time	

Email: lan.cannan@pehamed.com
☐ These samples have been previously analyzed by Alpha
☒ Standard ☐ RUSH (only confirmed if pre-approved)
 Date Due: 11/6/10 Time: _____

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
18777.1	MW-9	12/21/9	1012	bw	JSK
2	R1Z-8	↓	1105		↓
3	GHC-6	12/28/9	0925		↓
4	R1Z-3		0903		↓
5	R1Z-9	↓	1000		↓
6	R1Z-10		1043		↓
7	MW-3	↓	1150		↓
8	Tipblake	12/16/9	-	blk	Alpha

Date Rec'd in Lab: 12/29/09		ALPHA Job #: L0918777	
Report Information - Data Deliverables		Billing Information	
☐ FAX	☒ EMAIL	☒ Same as Client info	PO #:
☒ ADEX	☐ Add'l Deliverables		

State / Fed Program	Criteria
MA MCP	CAW GU-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?

TOTAL		#	BOTTLES
SAMPLE HANDLING Filtration _____ ☐ Done ☐ Not needed ☐ Lab to do ☐ Preservation ☐ Lab to do (Please specify below)			
SAMPLE SPECIFIC COMMENTS			

Container Type	V	P					
Preservative	HCl	N					

Relinquished By: <i>[Signature]</i>	Date/Time 12/29/04 12:55	Received By: <i>[Signature]</i>	Date/Time 12/29/04 12:55
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Appendix C

Copies of Public Notification Letters



TETRA TECH RIZZO

February 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 #1
Walpole Park South
Walpole, Massachusetts
RTNs 4-3021915 and 4-19976**

Dear Ms. Chapell:

On behalf of Walpole Park South, Rizzo Associates, Inc. is providing this notification that a Phase V – Remedy Operation Status, Status Report #1 will be submitted to the Massachusetts Department of Environmental Protection (DEP) for the above referenced Disposal Site on or about February 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 or 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 #1_February 2010.doc

One Grant Street
Framingham, MA 01701
Tel 508.903.2000 Fax 508.903.2001



TETRA TECH RIZZO

February 2, 2010

Mr. Christopher G. Timson, Chairman
Board of Selectmen
Town of Walpole
135 School Street
Walpole, MA 02081

**Re: Notice of Phase V – Remedy Operation Status
Status Report #1
Walpole Park South
Walpole, Massachusetts
RTNs 4-3021915 and 4-19976**

Dear Mr. Timson:

On behalf of Walpole Park South, Rizzo Associates, Inc. is providing this notification that a Phase V – Remedy Operation Status, Status Report #1 will be submitted to the Massachusetts Department of Environmental Protection (DEP) for the above referenced Disposal Site on or about February 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,

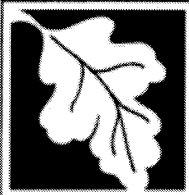
Raymond C. Johnson, P.G., L.S.P.
Senior Vice President

P:\Pre-FY2008\12700000\12700058\Rpts\Phase II report documents\Letter_public-notice_Town_Phase V SR #1_February 2010.doc

One Grant Street
Framingham, MA 01701
Tel 508.903.2000 Fax 508.903.2001

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: W051766

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

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

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

- ☐ a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Response Action Outcome.
- ☐ b. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- ☐ c. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) has been or will be submitted to DEP.
- ☐ d. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) has been or will be submitted to DEP.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 3021915

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

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

- ☐ 14. Submit a **Revised Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.
- ☒ 15. Submit a **Phase V Status Report**, pursuant to 310 CMR 40.0892.
- ☐ 16. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)
- a. Type of Report: (check one) ☐ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report
- b. Frequency of Submittal: (check all that apply)
- ☐ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
- ☐ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
- ☐ iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report.
- c. Status of Site: (check one) ☐ i. Phase IV ☐ ii. Phase V ☐ iii. Remedy Operation Status ☐ iv. Class C RAO
- d. Number of Remedial Systems and/or Monitoring Programs:
- A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.
- ☐ 17. Submit a **Remedy Operation Status**, pursuant to 310 CMR 40.0893.
- ☒ 18. Submit a **Status Report to maintain a Remedy Operation Status**, pursuant to 310 CMR 40.0893(2).
- ☐ 19. Submit a **Transfer and/or a Modification of Persons Maintaining a Remedy Operation Status (ROS)**, pursuant to 310 CMR 40.0893(5) (check one, or both, if applicable).
- ☐ a. Submit a Transfer of Persons Maintaining an ROS (the transferee should be the person listed in Section D, "Person Undertaking Response Actions").
- ☐ b. Submit a Modification of Persons Maintaining an ROS (the primary representative should be the person listed in Section D, "Person Undertaking Response Actions").
- c. Number of Persons Maintaining an ROS not including the primary representative: _____
- ☐ 20. Submit a **Termination of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(6).(check one)
- ☐ a. Submit a notice indicating ROS performance standards have not been met. A plan and timetable pursuant to 310 CMR 40.0893(6)(b) for resuming the ROS are attached.
- ☐ b. Submit a notice of Termination of ROS.
- ☐ 21. Submit a **Phase V Completion Statement**, pursuant to 310 CMR 40.0894.
- Specify the outcome of Phase V activities: (check one)
- ☐ a. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement (BWSC104) will be submitted to DEP.
- ☐ b. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- ☐ c. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and/or that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- ☐ 22. Submit a **Revised Phase V Completion Statement**, pursuant to 310 CMR 40.0894.
- ☐ 23. Submit a **Post-Class C Response Action Outcome Status Report**, pursuant to 310 CMR 40.0898.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 3021915

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

C. LSP SIGNATURE AND STAMP:

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

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

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

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

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

1. LSP #: 6118

2. First Name: RAYMOND C

3. Last Name: JOHNSON

4. Telephone: 5089032000

5. Ext.:

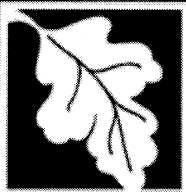
6. FAX:

7. Signature:

8. Date:

(mm/dd/yyyy)

9. LSP Stamp:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

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

D. PERSON UNDERTAKING RESPONSE ACTIONS:

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

2. Name of Organization: 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.

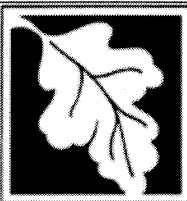
☐ 5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.

☐ 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.



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

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. I, [REDACTED], 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.

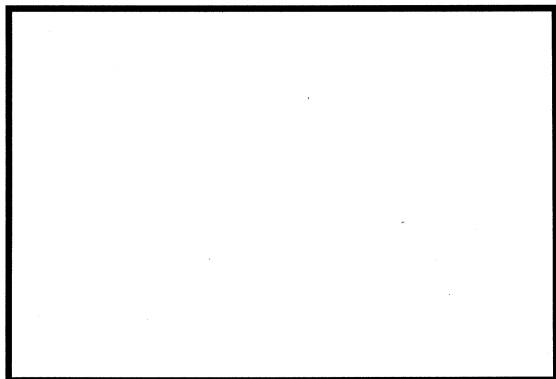
7. Street: _____

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.