REPORT

SEMI-ANNUAL GROUNDWATER AND SURFACE WATER MONITORING REPORT AUGUST 2011 EVENT

Trail Ridge Landfill

FDEP Permit Number 0013493-017-SO

WACS ID Number NED/16/00033628

5110 U.S. Highway 301

Duval County, Jacksonville, Florida 32234

Submitted To: Florida Department of Environmental Protection
Northeast District Office
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590 USA

Florida Department of Environmental Protection
Solid Waste Section
2600 Blair Stone Road, MS 4565
Tallahassee, Florida 32399-2400

Submitted By: Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341 USA

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November 2011 **11390141**

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Golder Associates

November 9, 2011 11390141

Emerson Raulerson, P.E.
Florida Department of Environmental Protection
Northeast District Office
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590 USA

RE: SEMI-ANNUAL GROUNDWATER AND SURFACE WATER MONITORING REPORT FOR THE AUGUST 2011 MONITORING EVENT, TRAIL RIDGE LANDFILL, DUVAL COUNTY, FLORIDA, PERMIT NO. 0013493-017-SO

Dear Mr. Raulerson:

Golder Associates Inc. (Golder) has prepared this report summarizing the August 2011 semi-annual detection monitoring event for the Trail Ridge Landfill owned by the City of Jacksonville and operated by Waste Management under Florida Department of Environmental Protection (FDEP) Permit Number 0013493-017-SO and WACS ID Number NED/16/00033628. This semi-annual report is submitted in accordance with monitoring and reporting requirements of Chapters 62-160, 62-520, and 62-701 of the Florida Administrative Code (F.A.C.) and the Facility Permit.

The October 15 deadline for this report has been extended by one month based on a shift in the 2011 monitoring schedule due to delay caused by the laboratory selection process. The monitoring and reporting schedule will return to normal based on the facility permit for 2012.

If you have any questions regarding this report please contact the undersigned at (770) 496-1893.

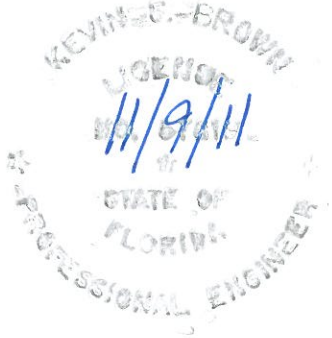
Sincerely,

GOLDER ASSOCIATES INC.

Jennifer L. Pardy
Senior Project Hydrogeologist

Kevin S. Brown, P.E.
Senior Consultant and Principal

cc: Trail Ridge Landfill
Eric Parker, Waste Management of Florida



Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341 USA
Tel: (770)496-1893 Fax: (770)934-9476 www.golder.com

Table of Contents

List of Tables

List of Figures

List of Appendices

1.0 INTRODUCTION

The Trail Ridge Municipal Landfill (Site) is owned by the City of Jacksonville and operated by Waste Management in accordance with Florida Department of Environmental Protection (FDEP) Operation Permit Number 0013493-017-SO issued September 16, 2009. The Site is an active municipal solid waste landfill that serves the City of Jacksonville and Duval County.

Golder Associates Inc. (Golder) has been retained to report the results of semi-annual groundwater and surface water monitoring at the Site in accordance with Specific Conditions 45 and 46, and annual leachate monitoring at the Site in accordance with Specific Condition 40 of the Facility Permit, which follow the provisions of the Florida Administrative Code (F.A.C.) Chapters 62-160, 62-520, and 62-701. This report presents the methods and findings of the second 2011 semi-annual groundwater and surface water monitoring event, and annual leachate monitoring event conducted in August 2011. The following sections include general information concerning the Site history and setting, an evaluation of surficial aquifer groundwater flow, and groundwater and surface water quality conditions at the Site. Laboratory analytical data are summarized, evaluated, and compared to historic data where appropriate.

2.0 BACKGROUND

2.1 Site Location and Description

The Site is located in Jacksonville approximately five miles southwest of the intersection of US-301 and I-10 in southwestern Duval County along the border with Baker County, Florida (Figure 1).

2.2 Groundwater and Surface Water Monitoring Systems

Groundwater and surface water monitoring events are conducted concurrently on a semi-annual basis prior to March 30th and September 30th of each year.

Figure 2 shows the Site layout and groundwater monitoring well and surface water sampling locations. The Site groundwater monitoring system consists of thirty-seven (37) groundwater monitoring wells screened at shallow (S), intermediate (I), and deep (D) depths within the uppermost, surficial aquifer. These include:

- Sixteen (16) shallow wells: MWB-2(S), MWB-3(S), MWB-7(S), MWB-11(S), MWB-12(S), MWB-13(S), MWB-17(S), MWB-19(S), MWB-20(S), MWB-21(S), MWB-22(S), MWB-27(S), MWB-29(S), MWB-32(S), MWB-33(S), MWB-34(S);
- Twelve (12) intermediate wells: MWB-2(I), MWB-3(I), MWB-7(I), MWB-11(IR), MWB-12(I), MWB-13(I), MWB-17(I), MWB-19(I), MWB-27(I), MWB-29(I), MWB-32(I), MWB-34(I); and
- Nine (9) deep wells: MWB-7(D), MWB-12(D), MWB-17(D), MWB-19(D), MWB-27(D), MWB-29(D), MWB-31(D), MWB-32(D), MWB-34(D).

Background wells MWB-2(S), MWB-3(S), MWB-2(I), MWB-3(I), and MWB-31(D) demonstrate background water quality for the Facility because they are located upgradient from landfill waste. The remaining wells listed above are utilized for compliance or detection monitoring purposes associated with various phases of landfill development. The following table indicates which wells are associated with each phase and function (e.g., background, compliance, or detection).

Trail Ridge Groundwater Monitoring Program Details

Well Type	Well ID
Background Well Clusters	
Background	MWB-2(S), MWB-2(I), MWB-3(S), MWB-3(I), MWB-31(D)
Phase I	
Compliance	MWB-7(S), MWB-7(I), MWB-7(D), MWB-11(S), MWB-11(IR), MWB-12(S), MWB-12(I), MWB-12(D), *MWB-14(S)*, MWB-14(I)*, MWB-14(D)**, MWB-19(S), MWB-19(I), MWB-19(D), MWB-20(S), MWB-21(S), MWB-22(S)
Phase II	
Compliance	MWB-17(S), MWB-17(I), MWB-17(D)
Phase III and Phase IV	
Compliance	MWB-13(S), MWB-13(I), *MWB-23(S)**
Detection	MWB-33(S), MWB-34(S), MWB-34(I), MWB-34(D)
Phase V	
Compliance	*MWB-24(S)*, MWB-25(S)*, MWB-25(I)*, MWB-25(D)*, MWB-26(S)**, MWB-27(S), MWB-27(I), MWB-27(D), MWB-29(S), MWB-29(I), MWB-29(D)
Detection	MWB-32(S), MWB-32(I), MWB-32(D)

As indicated in the Facility Permit, the nine wells shown above in italics with an asterisk (*) -- MWB-14(S), MWB-14(I), MWB-14(D), MWB-23(S), MWB-24(S), MWB-25(S), MWB-25(I), MWB-25(D), and MWB-26(S) -- are maintained but are not currently utilized for routine monitoring.

The Site surface water monitoring system consists of three (3) surface water monitoring locations: SW-1, SW-2, and SW-3. Surface water monitoring location SW-1 is located in a wetland approximately 200 feet east of the Site's stormwater retention basin. SW-2 is located in an east-west trending drainage feature approximately 500 feet north of the landfill, and is considered a background water quality location because it does not receive surface water runoff from the landfill. SW-3 was established under the latest Permit issuance at the discharge point of the Site stormwater pond approximately 700 feet east of the landfill boundary. SW-3 is sampled at the discharge point if stormwater is actively discharging or from the center of the pond if there is no active discharge.

2.3 Leachate Monitoring System

Leachate monitoring is scheduled to occur on an annual basis before September 30th; resulting data is submitted in conjunction with the associated semi-annual groundwater and surface water monitoring report.

The Site leachate monitoring system currently consists of two (2) monitoring locations: LCS and LDSS. LCS is collected as a composite sample from leachate tanks 1 through 5 (COMP-1), which receives

leachate from all of the primary leachate collection sumps via one force main. LDSS is collected from the secondary leachate collection system from the drain valve of the leachate detection storage tank (TANK-6).

Previously, gas condensate samples were collected on a semi-annual basis from the pump station and analyzed for toxicity characteristic leaching procedure (TCLP) parameters. Under current Facility Permit Specific Condition 38, separate testing of the gas condensate is no longer required because the condensate is discharged into the leachate collection system.

3.0 DATA COLLECTION METHODS

3.1 Groundwater Elevation Measurements

ProTech field personnel measured water levels in Site monitoring wells on August 16, 2011 prior to purging and sampling activities in accordance with procedures described in the Facility Permit. Water levels were measured at all active groundwater monitoring wells at the Site within a 24-hour period to evaluate static groundwater conditions across the entire Site. Field personnel opened the monitoring wells to allow groundwater levels to equilibrate to atmospheric conditions, and then measured the depth to groundwater to within 0.01 feet relative to the top of the inner PVC well casing using an electronic water level indicator. Golder calculated water table elevations at each well using record drawing elevations and details to evaluate the general direction of groundwater flow in the uppermost aquifer underlying the Site. The calculations were performed by taking the difference between the measured depth to groundwater and the top of casing elevation surveyed for each well. Table 1 provides a summary of groundwater elevation data collected during the August 2011 monitoring event.

3.2 Sample Collection and Analysis

Groundwater and surface water sampling was conducted in accordance with F.A.C. Chapter 62-160 and FDEP's Standard Operating Procedures for Field Activities (DEP-SOP-001/01).

ProTech field personnel collected groundwater samples for laboratory analysis from all thirty-seven monitoring wells between August 16th and 17th, 2011. Groundwater monitoring wells were purged with dedicated QED bladder pumps with Teflon-lined tubing extending to the top of the well casing. Purging continued at each location until approximately three times the volume of water in the well casing had been removed. Field parameters including static water level, pH, specific conductance, temperature, turbidity, dissolved oxygen, and color/sheen (by observation) were recorded during purging and prior to sampling. Once purging was complete, ProTech field personnel collected groundwater samples from the dedicated pumps and tubing in laboratory-provided containers, and placed the samples in coolers with ice. Surface water samples were collected from three surface water monitoring points using a dipper or laboratory-provided container on August 17th, 2011. Field parameters including pH, specific conductance, temperature, turbidity, dissolved oxygen, and color/sheen (by observation) were recorded at the time of sampling. Instrument calibration records (FD 9000-8) are included in Appendix A, and completed groundwater sampling logs (FD 9000-24) are provided along with the laboratory report in Appendix B.

Test America, a Florida-certified laboratory in Tallahassee, Florida, analyzed groundwater and surface water samples collected in August 2011 for the parameters identified in Attachments 6 and 9, respectively, of the Facility Permit as summarized in the following table. The full laboratory report and associated chain of custody records are included in Appendix B.

Laboratory Analyses for Trail Ridge Landfill
Groundwater and Surface Water Samples

Sample Type	Analytical Parameter	Analysis Method
Groundwater	Total Ammonia - N	350.1
	Chlorides	300.0
	Iron	6010C
	Mercury	7470A
	Nitrate	353.2
	Sodium	6010C
	Total Dissolved Solids (TDS)	SM 2540C
	40 CFR Part 258 Appendix I VOCs	8260C
	40 CFR Part 258 Appendix I Metals	6020
Surface Water	Unionized Ammonia - N	Unionized NH3
	Total Hardness	SM 2340B
	Biochemical Oxygen Demand (BOD5)	SM 5210B
	Copper	6020
	Iron	6010C
	Mercury	1631E
	Nitrate	353.2, Nitrate by calc
	Zinc	6020
	Total Dissolved Solids (TDS)	SM 2540C
	Total Organic Carbon (TOC)	SM 5310C
	Fecal Coliform	SM 9222D
	Total Phosphates	SM 4500 P E
	Chlorophyll A	SM 10200H
	Total Nitrogen	9060
	Chemical Oxygen Demand (COD)	SM 5220D
	Total Suspended Solids (TSS)	SM 2540D
	40 CFR Part 258 Appendix I VOCs	8260C
	40 CFR Part 258 Appendix I Metals	6020

3.3 Leachate Sample Collection and Analysis

Leachate sampling was conducted in accordance with F.A.C. Chapter 62-160 and FDEP's Standard Operating Procedures for Field Activities (DEP-SOP-001/01).

ProTech field personnel collected leachate for laboratory analysis from both leachate sampling locations (LCS and LDSS) on August 17th, 2011. LCS is a composite sample of primary leachate collected from Tanks 1 through 5 (COMP-1), and LDSS is a secondary leachate sample collected from Tank 6. Field parameters including pH, specific conductance, temperature, turbidity, dissolved oxygen, and color/sheen (by observation) were recorded at the time of sampling. Instrument calibration records (FD 9000-8) are

included in Appendix A, and completed leachate sampling logs (FD 9000-24) are provided along with the laboratory report in Appendix B.

Test America, a Florida-certified laboratory in Tallahassee, Florida, analyzed leachate samples collected in August 2011 for the parameters identified in Specific Condition 40 of the Facility Permit as summarized in the following table. The full laboratory report and associated chain of custody records are included in Appendix B.

Laboratory Analyses for Trail Ridge Landfill Leachate Samples

Sample Type	Analytical Parameter	Analysis Method(s)
Leachate	Total Ammonia - N	350.1
	Chlorides	300.0
	Iron	6010B
	Mercury	7470A
	Nitrate	353.2
	Sodium	6010B
	Total Dissolved Solids (TDS)	SM 2540C
	Bicarbonate	SM 2320B
	40 CFR Part 258 Appendix II Parameters	
	VOCs	8260C
	Metals	6020
	SVOCs	8270D
	EDB, DBCP, and 1,2,3-TCP	8011
	Polychlorinated Biphenyls (PCBs)	8082A
	Chlorinated Pesticides	8081B
	Herbicides	8151A
	Organophosphorus Compounds	8141B
	Dioxins/Furans	1613B-Tetras
	Total Sulfide	SM 4500 S2 F
	Total Cyanide	SM 4500 CN E

4.0 GROUNDWATER FLOW DIRECTION EVALUATION

4.1 Groundwater Elevations and Flow Direction

Golder calculated groundwater elevations based on water levels measured on August 16th, 2011 and top of well casing elevations surveyed relative to the National Geodetic Vertical Datum (NGVD) provided in Table 1. Figures 3, 4, and 5 show shallow, intermediate, and deep potentiometric contours for the surficial aquifer, respectively. Groundwater flow beneath the Site in the uppermost aquifer is to the east at shallow, intermediate, and deep depths. The direction of groundwater flow is consistent with measurements from previous monitoring events.

4.2 Horizontal Hydraulic Gradients

Average horizontal hydraulic gradients for the August 2011 monitoring event were calculated for the shallow, intermediate, and deep depths within the surficial aquifer along flow paths oriented perpendicular to the potentiometric contours (Appendix C). The results are summarized in the following table and are consistent with historical gradient values for the Site.

Horizontal Hydraulic Gradient Values

Surficial Aquifer Unit	Calculation Description	Gradient (ft/ft)
Shallow	135-foot potentiometric contour and MWB-22(S) Distance 2,600 feet	0.0078
Intermediate	135-foot potentiometric contour and MWB-12(I) Distance 2,500 feet	0.0070
Deep	MWB-31(D) and 120-foot potentiometric contour Distance 2,300 feet	0.0074
	Site Average Hydraulic Gradient	**0.0074**

5.0 WATER QUALITY MONITORING RESULTS

5.1 Quality Assurance and Quality Control (QA/QC) Results

5.1.1 Groundwater and Surface Water Analytical QA/QC

ProTech field personnel collected two field blanks and four field duplicates during the August 2011 sampling event and submitted the samples with trip blanks in coolers containing volatile organic compound samples to Test America for analysis. The laboratory provided additional QA/QC including analysis of method blanks, surrogates, laboratory control samples (LCS), and matrix spike/matrix spike duplicates (MS/MSD). Golder evaluated the QA/QC results for the laboratory reports associated with groundwater and surface water monitoring points from Test America Laboratory Report 640-34882-1.

The following QA/QC issues were identified:

- Several analytes were detected between method detection limits and practical quantitation limits; these detections have been qualified with an “I”.
- Method blank detections for iron (batch 104790), nickel (batch 104773 and 104796), and barium (batch 104796) were between the method detection limit and practical quantitation limit; total dissolved solids (batch 84183) were detected above the practical quantitation limit in selected samples; associated results have been qualified with a “V”.
- Holding times for extraction and analysis were within appropriate limits, except for total dissolved solids in selected samples; associated results have been qualified with a “Q”.
- LCS/LCSD recoveries were biased high for nickel (batch 104796) and biased low for chloride (batch 84503) in select samples, and LCS/LCSD relative percent different (RPD) values were outside control limits for chloride (batch 84503) and vinyl acetate (batch 84084); associated results have been qualified with a “J” or “UJ”, where results are non-detect.
- MS/MSD recoveries were biased high for ammonia (batch 84100 and 84150); biased high for nitrate-nitrite (batch 84229); biased high for iron (batch 104790) and biased low for zinc (batch 104773) in selected samples; however, LCS recoveries for the above parameters were within limits and the associated data are considered acceptable. MS/MSD RPD values were outside control limits for bromoform for MWB-31(D). The case narrative indicated that MS/MSD recoveries were biased high and that RPD values were outside control limits for nickel (batch 104773) at MWB-27(I). However, the analytical report backup shows that the recoveries and RPD outside control limits are for copper, not nickel.

- Several analytes were detected in the field blanks. Lead (1.7 micrograms per liter, or ug/L), acetone (14 I ug/L), nitrate-nitrite as N (0.013 milligrams per liter, or mg/L), nitrate as N (0.013 mg/L), and total dissolved solids (5.0 mg/L) were detected in Field Blank 01. Carbon disulfide (0.50 I ug/L), methylene chloride (1.3 I ug/L), iron (15 I ug/L), and lead (2.3 ug/L) were detected in Field Blank 02.
- Carbon disulfide (0.27 I ug/L), chloromethane (0.30 I ug/L), and methylene chloride (0.33 I ug/L) were detected in Trip Blank 02. These analytes were not detected in the other trip blanks, or in groundwater or surface water monitoring locations.

As indicated above, Test America qualified results for detections below practical quantitation limits (I), method blank detections (V), outside holding times (Q), and LCS/LCSD recoveries outside control limits (J or UJ). The laboratory did not qualify data based on field and trip blank detections. Results for these parameters should be considered approximate. In addition, the subcontract laboratory (Columbia Analytical Services) qualified fecal coliform results for SW-1 as an estimated value (J) and for SW-2 and SW-3 results based on colony counts outside the acceptable range (B).

Results from the field duplicates DUP-01, DUP-02, DUP-03, and DUP-04 were compared to the corresponding groundwater samples MWB-7(D), MWB-27(D), MWB-20(S), and MWB-12(D), respectively, to evaluate field and laboratory precision. The USEPA Contract Laboratory Program National Functional Guidelines for Data Review does not establish control limits for field duplicate relative percent difference (RPD). For data review purposes, Golder uses a RPD control limit of 20% to determine if a field duplicate is within control limits. The RPD value is calculated as the difference in concentrations in the original and duplicate samples divided by the average of the concentrations. The RPD exceeded 20% for the following samples: iron in MWB-7(D); chloride in MWB-27(D); iron, nitrate, and nitrate-nitrite in MWB-20(S); and lead in MWB-12(D). The RPD values calculated for all other detected analytes in samples and duplicates are below this 20% control limit, and are therefore considered acceptable.

No other QA/QC issues were identified during data validation; therefore, remaining results from the August 2011 event are considered acceptable without qualification.

5.1.2 Leachate Analytical QA/QC

ProTech field personnel submitted the samples and trip blank(s) in coolers containing volatile organic compound samples to Test America for analysis during the August 2011 event; no field blanks or duplicates were collected. The laboratory provided additional QA/QC including analysis of method blanks, surrogates, laboratory control samples (LCS), and matrix spike/matrix spike duplicates (MS/MSD). Golder evaluated the QA/QC results for the laboratory reports associated with leachate samples from

Test America Laboratory Report 640-34899-1. The following QA/QC issues were identified and, if necessary, qualified accordingly:

- The notes on the chain of custody associate LCS with container label COMP-1, and LDSS with container label TANK-6. Samples were logged according to the container labels per client instruction.
- The continuing calibration verification standard (CCV) for method 8270D (batch84302) recovered outside the lower limit of method criteria for N-nitrosodimethylamine, benzyl alcohol, and 4-chloroaniline; these analytes were not detected in the method blank or associated samples.
- Several analytes were detected between method detection limits and practical quantitation limits; these detections have been qualified with an “I”.
- Holding times for extraction and analysis were within appropriate limits with the exception of total dissolved solids for both leachate samples; associated results have been qualified with a “Q”.
- LCS/LCSD were outside control limits (biased high) for acrolein, acrylonitrile, 3-chloro-1-propene, ethyl methacrylate, methyl methacrylate, trans-1,4-dichloro-2-butene, and benzyl alcohol in select samples; associated sample results were non-detect and have been qualified with a “UJ”. LCS/LCSD RPD values were outside control limits for PBC-1016 and PCB-1260 in selected samples; associated sample results were non-detect and qualified as “UJ”.
- MS/MSD recoveries were outside control limits for method 8270D on sample TANK-6 (batch 84139); method 8081B/8082A on sample COMP-1 (batch 84165); method 8141B on COMP-1 (batch 84165); however, LCS recoveries for the above methods were within limits and the associated data are considered acceptable.
- Certain surrogate recoveries were outside control limits for samples due to matrix interference. Florisil clean-up was performed by the lab to reduce matrix interference on COMP-1 and TANK-6 for method 8081B/8082A; copper clean-up was performed by the lab to reduce matrix interference caused by sulfur for method 8081B/8082A. There was matrix interference at COMP-1 for method 8141B and TANK-6 for method 8151A.
- The sample matrix was diluted for TANK-6 for methods 8081B/8082A and total sulfide. Elevated reporting limits are provided for method 8081B/8082A in the analytical report.

No other QA/QC issues were identified during data validation; therefore, remaining results from the August 2011 event are considered acceptable without qualification.

5.2 Laboratory Analysis Results

Tables 2A through 3 summarize laboratory analytical results for groundwater and surface water samples collected during the August 2011 monitoring event for Trail Ridge Landfill. Copies of the laboratory analytical reports are provided in Appendix B. An electronic copy of the ADaPT software results is provided in Appendix D. Groundwater Monitoring Report Certification is included as Appendix E.

5.2.1 Groundwater

Tables 2A, 2B, and 2C summarize laboratory analytical results for the shallow, intermediate, and deep zones of the surficial aquifer, respectively. Several inorganic analytes were detected in background, compliance, and detection wells at various depths: chloride, ammonia, nitrate, nitrate-nitrite, iron, sodium, Appendix I metals, and total dissolved solids.

In addition, certain volatile organic compounds (VOCs) were detected in groundwater samples:

- Acetone in MWB-7(S) at 5.6 I ug/L, MWB-11(S) at 5.5 I ug/L, MWB-11(IR) at 3.6 I ug/L, MWB-12(S) at 4.9 I ug/L, MWB-13(S) at 5.2 I ug/L, MWB-17(I) at 4.0 I ug/L; MWB-17(D) at 4.3 I ug/L, MWB-19(I) at 3.0 I ug/L, MWB-19(D) at 3.0 I ug/L, MWB-27(S) at 4.2 I ug/L, MWB-29(I) at 3.9 I ug/L, MWB-32(S) at 3.3 I ug/L, MWB-34(D) at 3.2 I ug/L;
- 1,2-dibromo-3-chloropropane and 1,2-dibromoethane at MWB-12(D) at 0.013 I ug/L.

All VOC detections were between the method detection limit and practical quantitation limit (qualified as “I”). Mercury, carbon disulfide and toluene, which were detected during the previous semi-annual event, were not detected during this event. VOCs, including acetone, were detected in at least one background well during the previous semi-annual event. The VOC detections therefore do not appear to represent deterioration in groundwater quality related to the landfill.

5.2.2 Surface Water

Table 3 summarizes laboratory analytical results for surface water samples collected from the Site. Several inorganic analytes were detected at one or more surface water locations: mercury, nitrate, nitrate-nitrite, nitrogen, phosphorous and orthophosphate, iron, Appendix I metals, unionized ammonia, chlorophyll, hardness, total dissolved solids, total suspended solids, biological oxygen demand (BOD), chemical oxygen demand (COD), total organic carbon (TOC), and fecal coliform.

In addition, certain volatile organic compounds (VOCs) were detected in surface water samples:

- Acetone at SW-1 at 5.4 I ug/L and SW-2 at 4.5 I ug/L; and
- Chloroform at SW-1 at 1.2 ug/L.

Acetone was detected between the method detection limit and practical quantitation limit (qualified as "I"), and has been detected during recent sampling events (February 2009, August 2009, and August 2010) in SW-1 and SW-3. Toluene, which was detected in SW-1 during the August 2010 event, was not detected during this sampling event. All VOC detections during the August 2011 semi-annual event were below Class I/III Water Quality Standards.

5.2.3 Leachate

This section summarizes laboratory analytical results for leachate samples collected from the Site; the complete laboratory report can be found in Appendix B.

Several inorganic analytes were detected at both leachate sampling locations: mercury, nitrate, nitrate-nitrite, chloride, iron, sodium, ammonia, Appendix I metals, bicarbonate alkalinity, total dissolved solids, sulfide, and total cyanide. In addition, several volatile organic compounds (VOCs) were detected in leachate samples, as shown in the attached laboratory report.

5.3 Field Parameter Measurement Results

Table 4 summarizes field parameter measurements for groundwater, surface water, and leachate samples collected during this event. Original field forms with parameter measurements are included at the end of the laboratory report in Appendix B.

5.3.1 Groundwater

Groundwater field parameter readings and observations are consistent with those from previous semi-annual monitoring events. The average pH increases with depth between the shallow, intermediate, and deep zones of the aquifer. The deep groundwater likely has higher pH values than the shallow wells due to carbonate rock buffering deeper in the aquifer. Conversely, dissolved oxygen concentrations tend to decrease with depth as less mixing occurs with shallow oxygenated recharge water. Turbidity values were lower than 20 nephelometric turbidity units (NTU), except for MWB-32(I) which exhibited a turbidity of 43.73 NTU. These values are lower than turbidity values observed in groundwater wells at the Site in the past.

5.3.2 Surface Water

Surface water field parameter readings and observations are within the historic range of surface water measurements. The measured pH values ranged from 5.75 to 7.15; dissolved oxygen ranged from 4.3 to 5.6 mg/L; specific conductivity ranged from 0.050 to 0.496 milliSiemens per centimeter (mS/cm); and

temperature ranged from 25.6 to 30.5 degrees Celsius. Turbidity values were below 20 NTU at SW-1 and SW-2; the turbidity at SW-3 was notably higher at 41.71 NTU.

5.3.3 Leachate

The measured pH values ranged from 7.29 to 7.86; dissolved oxygen ranged from 0.1 to 0.2 mg/L; specific conductivity ranged from 6.757 to 20.590 mS/cm; temperature ranged from 32.5 to 35.9 degrees Celsius; and turbidity values ranged from 9.94 to 486.20 NTU.

6.0 COMPARISON TO ESTABLISHED STANDARDS

F.A.C. Chapter 62-701.510 and the Facility Permit require comparison of water quality monitoring data to water quality standards specified in F.A.C. Chapter 62-520 (Ground Water Classes, Standards, and Exemptions) and F.A.C. Chapter 62-302 (Surface Water Quality Standards). The following sections present a description of the established standards and comparison of results for groundwater and surface water.

6.1 Groundwater

6.1.1 Established Standards

F.A.C. Chapter 62-520 establishes classes and standards for groundwater. Facility Permit Specific Conditions 45.c and 45.d require that the water quality standards for Class G-II groundwater (Rule 62-520.420) will not be exceeded at the zone of discharge boundary and that minimum criteria for groundwater (Rule 62-520.400) are not violated within the zone of discharge.

The minimum criteria identified in F.A.C. Chapter 62-520.400 indicate that groundwater shall be “free from domestic, industrial, agricultural, or other man-induced non-thermal components of discharges” in concentrations which:

- Are harmful to plants, animals, or native organisms
- Are carcinogenic, mutagenic, teratogenic, or toxic to human beings unless specific criteria are established in Rule 62-520.420
- Are acutely toxic within surface waters affected by groundwater
- Pose a serious danger to public health, safety, or welfare and/or create a nuisance
- Impair the reasonable and beneficial use of adjacent waters

The Class G-II standards identified in F.A.C. Chapter 62-520.420 for potable groundwater in aquifers with total dissolved solids content less than 10,000 mg/L refer to primary and secondary drinking water quality standards listed in Rules 62-550.310 and 62-550.320, respectively, with the exception that the total coliform bacteria standard shall be 4 per 100 milliliters. The primary drinking water standards (PDWS) and secondary drinking water standards (SDWS) for parameters included in laboratory analysis are listed on Tables 2A through 2C. The only field parameter with an established drinking water standard under F.A.C. Rule 62-550.310 and 62.550.320 is pH, with an SDWS in the range of 6.5 to 8.5.

F.A.C. Chapter 62-520.420 indicates that “if the concentration for any constituent listed in subsection (1) above in the natural background quality of the ground water is greater than the stated maximum, or in the

case of pH is also less than the minimum, the representative natural background quality shall be the prevailing standard for Class G-I and Class G-II ground water."

6.1.2 Comparison of Groundwater Data to Established Standards

The groundwater monitoring results from the August 2011 met minimum criteria established under F.A.C. Chapter 62-520.400 and PDWS established under F.A.C. Chapter 62-550.310, with the exception of lead at MWB-2(S). The lead exceedance at MWB-2(S) is inconsistent with previous results for this background location. MWB-2(S) will be resampled to further evaluate this detection, and the results of this evaluation will be submitted under separate cover. SDWS exceedances were identified for iron, chloride, and pH at one or more wells. These exceedances have all been verified and are summarized below.

Lead (PDWS 15 ug/L)

- Shallow wells: Background well MWB-2(S) – Unverified initial exceedance

Iron (SDWS 0.3 mg/L)

- Shallow wells: Background wells MWB-2(S) and MWB-3(S), and MWB-11(S), MWB-13(S), MWB-19(S), MWB-21(S), MWB-27(S), MWB-32(S), and MWB-33(S)
- Intermediate wells: Background wells MWB-2(I) and MWB-3(I), and MWB-7(I), MWB-11(IR), MWB-12(I), MWB-13(I), MWB-17(I), MWB-19(I), MWB-27(I), MWB-29(I), MWB-32(I), and MWB-34(I)
- Deep wells: Background well MWB-31(D), and MWB-7(D), MWB-12(D), MWB-17(D), MWB-19(D), MWB-27(D), MWB-29(D), MWB-32(D), and MWB-34(D)

Chloride (SDWS 250 mg/L)

- Shallow wells: MWB-34(S)

pH (SDWS 6.5 to 8.5)

- Shallow wells: All background, compliance, and detection wells were below 6.5
- Intermediate wells: All background, compliance, and detection wells were below 6.5
- Deep wells: MWB-17(D), MWB-27(D), MWB-29(D), and MWB-32(D) were below 6.5

Iron, chloride, and pH have been historically detected at concentrations exceeding the applicable SDWS and reported to FDEP. Iron and pH have also been detected in background wells at concentrations out of

compliance with the associated SDWS. These SDWS exceedances therefore appear to be related to natural subsurface conditions rather than landfill impacts. Further discussion regarding the natural occurrence of iron and low pH is provided in Section 7.0.

Well MWB-34(S) is the only groundwater well that exhibited exceedances for the SDWS for chloride during the August 2011 event. This exceedance at MWB-34(S) is qualified with a "J" (estimated) and is within the range of historical chloride concentrations observed since 2008 and far below the 2007 historical high. Previous groundwater monitoring reports attributed elevated parameter concentrations (conductivity, chloride, TDS, ammonia, and vanadium) in well MWB-34(S) to leachate pump issues that periodically occurred between 2005 and 2007. These issues were corrected and future concentrations are anticipated to decline with subsequent sampling events and the remaining chloride concentrations are diluted.

6.2 Surface Water

6.2.1 Established Standards

Facility Permit Specific Condition 46.d requires that surface water discharges shall not exceed quality standards for drinking water or surface water. In this case, drinking and surface water quality standards under F.A.C. Chapter 62-302 apply. F.A.C. Chapter 62-302 establishes minimum criteria and water quality standards for several classes of water including: Class I (potable water supplies), Class II (shellfish propagation or harvesting), Class III (fish consumption, recreation, propagation and maintenance of a healthy, well-balanced population of fish and wildlife), Class IV (agricultural water supplies), and Class V (navigation, utility, and industrial use).

The minimum criteria identified in F.A.C. Chapter 62-302.500 indicate that surface waters shall be "free from domestic, industrial, agricultural, or other man-induced non-thermal components of discharges" which:

- Settle to form putrescent deposits or create a nuisance
- Float as debris, scum, oil, or other matter in such amounts to create a nuisance
- Produce color, odor, taste, turbidity, or other conditions to create a nuisance
- Are acutely toxic
- Are present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant, locally occurring fish a wildlife
- Pose a serious danger to public health, safety, or welfare

The surface water quality standards for each defined class are established in F.A.C. Chapter 62-302.530. Class I and Class III (predominantly fresh water) are the only applicable surface water classes for the Site. Standards for these two classes are provided in Table 3 for laboratory parameters and Table 4 for field parameters. In some cases, F.A.C. Chapter 62-302.530 requires calculations for Class I and III standards based on sample hardness. Table 5 provides equations and calculation results for analytes which require standard calculation, including cadmium, chromium, copper, lead, nickel, and zinc.

6.2.2 Comparison of Surface Water Data to Established Standards

The surface water monitoring results from the August 2011 met minimum criteria established under F.A.C. Chapter 62-302.500. The following detections exceeded Class I/III surface water quality standards identified in Table 3 (laboratory parameters), Table 4 (field parameters), and/or Table 5 (calculated standards):

- Unionized ammonia at SW-3;
- Fecal coliform at SW-2 and SW-3 (qualified B);
- Dissolved oxygen (below 5 mg/L) at SW-1 and SW-3; and
- Turbidity at SW-3.

The exceedances observed during the August 2011 event are within the historical range for each parameter identified above. Iron, beryllium, copper, and lead exceedances that occurred during the March 2011 event did not occur during the August 2011 event. The sampling plan was revised in 2010 with the Permit renewal and included the requirement for lead to be analyzed in the surface water sampling points. The initial sampling in 2010 and subsequent confirmation sampling confirmed lead above the calculated surface water quality standards. The concentration for lead in SW-3 is less than historical samples and does not exceed the calculated surface water quality standards.

Fecal coliform counts at SW-1 (29 J cfu/100mL), SW-2 (920 B cfu/100mL), and SW-3 (1,340 B cfu/100mL), respectively, and are consistent with historical coliform concentrations. The fecal coliform detections for SW-2 and SW-3 violate the Class I/III maximum daily criteria (800 cfu/mL) and monthly average criteria (200 cfu/mL). Fecal coliform concentrations have fluctuated over recent years: SW-1 is within the range of recent detections; SW-2 is greater than recent detection concentrations, but is lower than the detections in February 2009 and events in 2006 and 2007; SW-3 is greater than previously monitored concentrations, but is within range of historical coliform detections at the other surface water monitoring locations.

6.3 Leachate

6.3.1 Established Standards

Leachate data is compared to regulatory standard values provided in 40 CFR 261.24 which define toxicity characteristics. Facility Permit Specific Condition 40 indicates that “if a contaminant listed in 40 CFR 261.24 exceeds the regulatory level listed therein, the Permittee shall follow the procedures addressed in F.A.C. Rule 62-701.510(6)(c)2, which includes notifying DEP of the results in writing and conducting monthly sampling and analysis, commencing within 30 days of the date of the sampling event in which the exceedance is first detected.”

6.3.2 Comparison of Leachate to Established Standards

None of the detected parameters in leachate samples exceeded regulatory levels for toxicity characteristics listed in 40 CFR Part 261.24.

7.0 DISCUSSION AND RECOMMENDATIONS

During the most recent event, several analytes were detected in groundwater and/or surface water at concentrations exceeding applicable drinking water and/or surface water quality standards. These include iron, chloride, and pH for groundwater; and unionized ammonia, fecal coliform, dissolved oxygen, and turbidity for surface water. Lead was detected above PDWS in a background groundwater well and is considered unverified at this time. None of the detected parameters in leachate samples exceeded regulatory levels for toxicity characteristics listed in 40 CFR Part 261.24. Groundwater and surface water detections for the most recent event were generally within the historical range of concentrations observed at the Site, and are likely related to naturally occurring conditions.

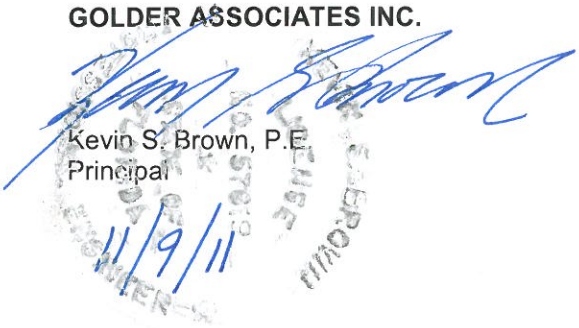
Iron was the most commonly detected parameter in both groundwater and surface water. Iron has historically been detected in background/upstream and downgradient/downstream locations at concentrations exceeding SDWS and surface water quality standards. In groundwater, iron concentrations typically increase with depth. Previous monitoring reports have attributed this to geochemical processes in the deeper surficial aquifer, where insoluble ferric iron is converted to soluble ferrous iron. This process results in a shift in groundwater pH from acidic to a more neutral state (i.e., closer to 7). This is consistent with observed groundwater pH values, which are lower (i.e., more acidic) near the surface and tend to increase with depth. In surface water, iron concentrations are consistent with those observed in surrounding soils in the region and can be explained by the local vegetative cover. The other metals detected in surface water (e.g., beryllium, copper, and lead) also naturally occur in area soils, and may be correlated to turbidity.

Analyte detections and standard exceedances observed during this event for both groundwater and surface water are consistent with historical conditions and/or background water quality, with the exception of lead at background well MWB-2(S), which will be resampled for further evaluation. Based on these findings, Golder recommends continued semi-annual detection monitoring in accordance with F.A.C. Chapter 62-701 and the Facility Permit. The next semi-annual groundwater and surface water event should be conducted prior to March 30, 2012.

8.0 PROFESSIONAL CERTIFICATION

I hereby certify that I have supervised the current field work and preparation of this report, in accordance with Chapter 62-701, Florida Solid Waste Management Facility Regulations. As a registered professional engineer, I certify that I am a qualified professional with knowledge and experience in water quality assessment. To the best of my knowledge, the information and laboratory data summarized in this report (including the applicable attachments) are true, accurate, complete, and in accordance with applicable State Rules and Regulations.

GOLDER ASSOCIATES INC.



Kevin S. Brown, P.E.
Principal

9.0 REFERENCES

Florida Administrative Code (F.A.C.) Rules: 62-160, 62-302, 62-520, 62-550, 62-701, and 62-711.

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HDR Engineering, Inc., April 2010, Semiannual Water Quality Data Report, Trail Ridge Landfill, Operating Permit No. 0013493-017-SO.

HDR Engineering, Inc., October 2009, Semiannual Water Quality Monitoring Report, Trail Ridge Landfill, Operating Permit No. 0013493-010-SC.

HDR Engineering, Inc., April 2009, Semiannual Water Quality Monitoring Report, Trail Ridge Landfill, Operating Permit No. 0013493-010-SC.

TABLES

TABLE 1
Water Level Measurements
Trail Ridge Landfill, Jacksonville, Florida
FDEP Permit 0013493-017-SO / WACS ID Number NED/16/00033628

Well ID	TOC Elevation (ft MSL)	Screened Interval (ft BTOC)	Depth to Water (ft BTOC)	Groundwater Elevation (ft MSL)
Shallow Wells				
MWB-2(S)	146.64	10.00 to 20.00	10.79	135.85
MWB-3(S)	154.38	10.00 to 20.00	12.65	141.73
MWB-7(S)	123.29	10.00 to 20.00	10.03	113.26
MWB-11(S)	120.81	9.50 to 19.50	13.15	107.66
MWB-12(S)	124.63	14.50 to 24.50	10.81	113.82
MWB-13(S)	126.05	16.56 to 26.56	14.07	111.98
MWB-17(S)	138.31	13.30 to 18.30	8.38	129.93
MWB-19(S)	127.38	10.00 to 20.00	9.40	117.98
MWB-20(S)	121.01	10.00 to 20.00	9.32	111.69
MWB-21(S)	122.84	13.00 to 18.00	11.20	111.64
MWB-22(S)	126.97	16.00 to 26.00	12.20	114.77
MWB-27(S)	128.42	10.50 to 15.50	6.35	122.07
MWB-29(S)	138.02	10.00 to 20.00	7.36	130.66
MWB-32(S)	124.64	14.90 to 19.90	8.30	116.34
MWB-33(S)	125.90	10.30 to 20.30	10.14	115.76
MWB-34(S)	125.78	13.36 to 18.36	9.58	116.20
Intermediate Wells				
MWB-2(I)	145.73	51.50 to 61.50	9.84	135.89
MWB-3(I)	151.86	52.00 to 62.00	15.35	136.51
MWB-7(I)	121.53	55.00 to 65.00	5.00	116.53
MWB-11(IR)	120.43	45.00 to 55.00	12.56	107.87
MWB-12(I)	124.62	61.50 to 71.50	7.09	117.53
MWB-13(I)	125.98	50.40 to 60.40	17.11	108.87
MWB-17(I)	138.43	50.13 to 60.13	5.18	133.25
MWB-19(I)	127.94	49.00 to 59.00	8.62	119.32
MWB-27(I)	128.63	52.50 to 62.50	5.26	123.37
MWB-29(I)	138.08	53.50 to 63.50	4.68	133.40
MWB-32(I)	124.79	54.56 to 64.56	7.01	117.78
MWB-34(I)	125.80	43.95 to 53.95	8.66	117.14
Deep Wells				
MWB-7(D)	121.65	107.00 to 117.00	2.95	118.70
MWB-12(D)	124.56	102.00 to 112.00	5.72	118.84
MWB-17(D)	138.52	117.32 to 127.32	8.79	129.73
MWB-19(D)	128.23	105.50 to 115.50	8.55	119.68
MWB-27(D)	128.88	110.00 to 110.00	5.61	123.27
MWB-29(D)	138.18	100.50 to 110.50	4.82	133.36
MWB-31(D)	156.15	119.00 to 129.00	19.15	137.00
MWB-32(D)	124.93	98.81 to 108.81	7.36	117.57
MWB-34(D)	125.92	90.78 to 100.78	8.85	117.07

Notes:

TOC - top of casing; ft BTOC - feet below top of casing; ft MSL - feet above mean sea level; NM - not measured
Depth to water measurements collected by ProTech on March 21, 2011. Top of casing elevations based on groundwater well survey data provided in October 2010 potentiometric maps (HDR Engineering).

TABLE 2A
Summary of Groundwater Analytical Results - Shallow
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-2(S)	MWB-3(S)	MWB-7(S)	MWB-11(S)	MWB-12(S)	MWB-13(S)	MWB-17(S)	MWB-19(S)	MWB-20(S)
Laboratory Method EPA 300.0												
Chloride	mg/L		250	**8.6**	**8.3**	**16**	**18**	**7.1**	**61**	**7.9**	**18**	**13**
Laboratory Method EPA 350.1												
Ammonia (N)	ug/L			**48**	**19 I**	**620**	**180**	**140**	**30**	**400**	**420**	**380**
Laboratory Method EPA 353.2 (Nitrate (N))												
Nitrate (N)	mg/L	10		**0.024**	**0.015**	**0.01**	**0.024**	< 0.0047	**0.28**	< 0.0047	**0.02**	**0.11**
Laboratory Method EPA 353.2 (Nitrate-Nitrite (N))												
Nitrate-Nitrite (N)	mg/L	10		**0.024**	**0.015**	**0.01**	**0.024**	**0.01**	**0.28**	< 0.0047	**0.02**	**0.11**
Laboratory Method EPA 6010												
Iron	mg/L		0.3	**0.54**	**1.9**	**0.26 V**	**1.5 V**	**0.11**	**0.36**	**0.14 V**	**2.1**	**0.08**
Sodium	mg/L	160		**3.9**	**4.4**	**13**	**10**	**3.9**	**40**	**5.2**	**9.4**	**9.7**
Laboratory Method EPA 6020												
Antimony	ug/L	6		< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
Arsenic	ug/L	10		**1.1 I**	**0.77 I**	< 0.66	**0.8 I**	**1.6**	< 0.66	< 0.66	< 0.66	< 0.66
Barium	ug/L	2000		**13 V**	**17 V**	**14**	**79**	**6 V**	**13 V**	**3.4**	**110 V**	**14**
Beryllium	ug/L	4		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Cadmium	ug/L	5		**1.1 I**	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Chromium	ug/L	100		< 0.63	< 0.63	**0.68 I**	< 0.63	**1.8 I**	**5.3**	< 0.63	< 0.63	< 0.63
Cobalt	ug/L			< 0.25	< 0.25	< 0.25	**0.86 I**	< 0.25	< 0.25	< 0.25	**0.64 I**	< 0.25
Copper	ug/L		1000	< 1.9	< 1.9	**16**	< 1.9	**3.3**	**2.8**	< 1.9	< 1.9	< 1.9
Lead	ug/L	15		**24**	**0.66 I**	**0.57 I**	< 0.17 I	**0.92 I**	**1.5**	< 0.17	**0.26 I**	< 0.17
Nickel	ug/L	100		**13 V**	< 0.7 UJ	**2.7 V**	**1.8 IV**	< 0.7	**2 IV**	**1.6 IV**	< 0.7	< 0.7
Selenium	ug/L	50		< 0.33	< 0.33	**0.46 I**	**0.47 I**	**2.5**	**8.2**	< 0.33	**0.38 I**	< 0.33
Silver	ug/L		100	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063
Thallium	ug/L	2		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	ug/L			**2.9**	< 2.2	**4.7**	**3.6**	**14**	**57**	**3.1**	**3.4**	< 2.2
Zinc	ug/L		5000	< 14	< 14	< 14 I	< 14	**15 I**	< 14	< 14	< 14	< 14
Laboratory Method EPA 7470												
Mercury	ug/L	2		< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084
Laboratory Method EPA 8011												
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0056	< 0.0057
1,2-Dibromoethane	ug/L	0.02		< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.006	< 0.0061
Laboratory Method EPA 8260												
1,1,1,2-Tetrachloroethane	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,1,1-Trichloroethane	ug/L	200		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1,2,2-Tetrachloroethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane	ug/L	5		< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,1-Dichloroethene	ug/L	7		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichloropropane	ug/L			< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,2-Dibromoethane	ug/L	0.02		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dichlorobenzene	ug/L	600		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/L	3		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	ug/L	75		< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
2-Butanone	ug/L			< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
2-Hexanone	ug/L			< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
4-Methyl-2-pentanone	ug/L			< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Acetone	ug/L			< 3	< 3	**5.6 I**	**5.5 I**	**4.9 I**	**5.2 I**	< 3	< 3	< 3
Acrylonitrile	ug/L			< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
Benzene	ug/L	1		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromochloromethane	ug/L			< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromodichloromethane	ug/L			< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromoform	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon disulfide	ug/L			< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	ug/L	100		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Chloroethane	ug/L			< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Chloroform	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/L			< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

Golder Associates

Q:\DATABASE\WasteMgmt\TrailRidge.accdb

TABLE 2A
Summary of Groundwater Analytical Results - Shallow
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-21(S)	MWB-22(S)	MWB-27(S)	MWB-29(S)	MWB-32(S)	MWB-33(S)	MWB-34(S)
Laboratory Method EPA 300.0										
Chloride	mg/L		250	**5.8**	**33 J**	**58 J**	**13 J**	**39**	**11 J**	**260 J**
Laboratory Method EPA 350.1										
Ammonia (N)	ug/L			**110**	**110**	**560**	**160**	**590**	**820**	**1100**
Laboratory Method EPA 353.2 (Nitrate (N))										
Nitrate (N)	mg/L	10		**0.0098 I**	< 0.0047	**0.02**	**0.0082 I**	**0.014**	**0.23**	**0.35**
Laboratory Method EPA 353.2 (Nitrate-Nitrite (N))										
Nitrate-Nitrite (N)	mg/L	10		**0.0098 I**	< 0.0047	**0.02**	**0.0082 I**	**0.014**	**0.23**	**0.35**
Laboratory Method EPA 6010										
Iron	mg/L		0.3	**0.53 V**	**0.13 V**	**0.39**	**0.29 V**	**0.78 V**	**0.34 V**	**0.2 V**
Sodium	mg/L	160		**3.3**	**13**	**30**	**6**	**22**	**5.9**	**58**
Laboratory Method EPA 6020										
Antimony	ug/L	6		< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
Arsenic	ug/L	10		**1.6**	**0.89 I**	**1.3**	< 0.66	**0.95 I**	< 0.66	**1 I**
Barium	ug/L	2000		**19**	**6.5**	**37 V**	**9.4**	**30**	**18**	**3.1**
Beryllium	ug/L	4		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Cadmium	ug/L	5		< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Chromium	ug/L	100		< 0.63	< 0.63	**0.74 I**	< 0.63	**1 I**	< 0.63	**0.95 I**
Cobalt	ug/L			< 0.25	< 0.25	**0.34 I**	< 0.25	**0.44 I**	**0.28 I**	**0.49 I**
Copper	ug/L		1000	**2.4 I**	**2 I**	**2.2 I**	< 1.9	**7.7**	**50**	**4.3**
Lead	ug/L	15		< 0.17	**0.43 I**	**0.25 I**	< 0.17	**0.49 I**	**0.19 I**	**0.37 I**
Nickel	ug/L	100		**2 IV**	**2.3 IV**	**1.8 IV**	**0.71 IV**	**2.4 IV**	**45 V**	**5.7 V**
Selenium	ug/L	50		< 0.33	< 0.33	**0.35 I**	< 0.33	< 0.33	**2.4**	**0.86 I**
Silver	ug/L		100	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063
Thallium	ug/L	2		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	ug/L			**2.4 I**	**3.4**	**5.3**	< 2.2	**4.2**	**11**	**15**
Zinc	ug/L		5000	< 14	< 14	< 14	< 14	< 14	< 14	**49**
Laboratory Method EPA 7470										
Mercury	ug/L	2		< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084
Laboratory Method EPA 8011										
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0058	< 0.0057
1,2-Dibromoethane	ug/L	0.02		< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061
Laboratory Method EPA 8260										
1,1,1,2-Tetrachloroethane	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,1,1-Trichloroethane	ug/L	200		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1,2,2-Tetrachloroethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane	ug/L	5		< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,1-Dichloroethene	ug/L	7		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichloropropane	ug/L			< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,2-Dibromoethane	ug/L	0.02		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dichlorobenzene	ug/L	600		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/L	3		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	ug/L	75		< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
2-Butanone	ug/L			< 3	< 3	< 3	< 3	< 3	< 3	< 3
2-Hexanone	ug/L			< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
4-Methyl-2-pentanone	ug/L			< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Acetone	ug/L			< 3	< 3	**4.2 I**	< 3	**3.3 I**	< 3	< 3
Acrylonitrile	ug/L			< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
Benzene	ug/L	1		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromochloromethane	ug/L			< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromodichloromethane	ug/L			< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromoform	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon disulfide	ug/L			< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	ug/L	100		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Chloroethane	ug/L			< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Chloroform	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/L			< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

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TABLE 2A
Summary of Groundwater Analytical Results - Shallow
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-2(S)	MWB-3(S)	MWB-7(S)	MWB-11(S)	MWB-12(S)	MWB-13(S)	MWB-17(S)	MWB-19(S)	MWB-20(S)
Laboratory Method EPA 8260												
cis-1,2-Dichloroethene	ug/L	70		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/L			< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dibromochloromethane	ug/L			< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dibromomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Ethylbenzene	ug/L	700		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Iodomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Styrene	ug/L	100		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Tetrachloroethene	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	ug/L	1000		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
trans-1,2-Dichloroethene	ug/L	100		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	ug/L			< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,4-Dichloro-2-butene	ug/L			< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Trichloroethene	ug/L	3		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Vinyl acetate	ug/L			< 0.3	< 0.3	< 0.3 UJ	< 0.3 UJ	< 0.3	< 0.3	< 0.3 UJ	< 0.3	< 0.3
Vinyl chloride	ug/L	1		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylenes, Total	ug/L	10000		< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Laboratory Method SM18 2540 C												
Residues- Filterable (TDS)	mg/L		500	**21 Q**	**34**	**130 V**	**91 V**	**88 Q**	**260 Q**	**150 V**	**80**	**72 Q**

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

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TABLE 2A
Summary of Groundwater Analytical Results - Shallow
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-21(S)	MWB-22(S)	MWB-27(S)	MWB-29(S)	MWB-32(S)	MWB-33(S)	MWB-34(S)
Laboratory Method EPA 8260										
cis-1,2-Dichloroethene	ug/L	70		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/L			< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dibromochloromethane	ug/L			< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dibromomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Ethylbenzene	ug/L	700		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Iodomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Styrene	ug/L	100		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Tetrachloroethene	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	ug/L	1000		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
trans-1,2-Dichloroethene	ug/L	100		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	ug/L			< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,4-Dichloro-2-butene	ug/L			< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Trichloroethene	ug/L	3		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Vinyl acetate	ug/L			< 0.3 UJ	< 0.3 UJ	< 0.3	< 0.3	< 0.3 UJ	< 0.3	< 0.3
Vinyl chloride	ug/L	1		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylenes, Total	ug/L	10000		< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Laboratory Method SM18 2540 C										
Residues- Filterable (TDS)	mg/L		500	**40 Q**	**230**	**170**	**44 V**	**210 V**	**140 V**	**470 V**

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

TABLE 2B
Summary of Groundwater Analytical Results - Intermediate
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-2(I)	MWB-3(I)	MWB-7(I)	MWB-11(IR)	MWB-12(I)	MWB-13(I)	MWB-17(I)	MWB-19(I)	MWB-27(I)
Laboratory Method EPA 300.0												
Chloride	mg/L		250	**7.5**	**6.4**	**5.8**	**5.4**	**5.5**	**5.8**	**4.7**	**5.5**	**5.4**
Laboratory Method EPA 350.1												
Ammonia (N)	ug/L			**23**	**11 I**	**32**	**39**	**40**	**42**	**28**	**31**	**66**
Laboratory Method EPA 353.2 (Nitrate (N))												
Nitrate (N)	mg/L	10		**0.0083 I**	**0.97**	**0.0078 I**	< 0.0047	**0.021**	**0.012**	**0.0086 I**	**0.0077 I**	**0.024**
Laboratory Method EPA 353.2 (Nitrate-Nitrite (N))												
Nitrate-Nitrite (N)	mg/L	10		**0.0083 I**	**0.97**	**0.0078 I**	**0.0062 I**	**0.021**	**0.012**	**0.0086 I**	**0.0077 I**	**0.024**
Laboratory Method EPA 6010												
Iron	mg/L		0.3	**0.33**	**0.75**	**0.4**	**0.45 V**	**0.34**	**0.39**	**0.31 V**	**0.51**	**0.49 V**
Sodium	mg/L	160		**4.1**	**3.5**	**3.2**	**3.3**	**3**	**3.1**	**3.2**	**3.3**	**3.5**
Laboratory Method EPA 6020												
Antimony	ug/L	6		< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
Arsenic	ug/L	10		**1.1 I**	**0.88 I**	< 0.66	**0.9 I**	< 0.66	< 0.66	< 0.66	**0.8 I**	< 0.66
Barium	ug/L	2000		**23 V**	**27 V**	**54 V**	**44**	**53 V**	**35 V**	**35**	**58 V**	**56**
Beryllium	ug/L	4		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Cadmium	ug/L	5		< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Chromium	ug/L	100		< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Cobalt	ug/L			**0.27 I**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	**0.58 I**	< 0.25
Copper	ug/L		1000	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	**2.5**	< 1.9	**2 I**	< 1.9
Lead	ug/L	15		**3.1**	**0.27 I**	< 0.17	**0.41 I**	< 0.17	**0.4 I**	< 0.17	**0.72 I**	**0.36 I**
Nickel	ug/L	100		< 0.7	< 0.7 UJ	< 0.7 UJ	**0.9 IV**	< 0.7 UJ	< 0.7	**1.7 IV**	**0.88 IV**	**1.4 IV**
Selenium	ug/L	50		< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Silver	ug/L		100	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063
Thallium	ug/L	2		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	ug/L			< 2.2	< 2.2	**2.4 I**	**4**	**2.5**	**3.3**	< 2.2	**2.7**	< 2.2
Zinc	ug/L		5000	**23**	< 14	< 14	< 14	< 14	< 14	< 14	< 14	< 14
Laboratory Method EPA 7470												
Mercury	ug/L	2		< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084
Laboratory Method EPA 8011												
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.0057	< 0.0057	< 0.0057	< 0.0057	< 0.0056	< 0.0057	< 0.0057	< 0.0057	< 0.0057
1,2-Dibromoethane	ug/L	0.02		< 0.006	< 0.0061	< 0.0061	< 0.0061	< 0.006	< 0.0061	< 0.006	< 0.0061	< 0.0061
Laboratory Method EPA 8260												
1,1,1,2-Tetrachloroethane	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,1,1-Trichloroethane	ug/L	200		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1,2,2-Tetrachloroethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane	ug/L	5		< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,1-Dichloroethene	ug/L	7		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichloropropane	ug/L			< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,2-Dibromoethane	ug/L	0.02		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dichlorobenzene	ug/L	600		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/L	3		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	ug/L	75		< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
2-Butanone	ug/L			< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
2-Hexanone	ug/L			< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
4-Methyl-2-pentanone	ug/L			< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Acetone	ug/L			< 3	< 3	< 3	**3.6 I**	< 3	< 3	**4 I**	**3 I**	< 3
Acrylonitrile	ug/L			< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
Benzene	ug/L	1		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromochloromethane	ug/L			< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromodichloromethane	ug/L			< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromoform	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon disulfide	ug/L			< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	ug/L	100		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Chloroethane	ug/L			< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Chloroform	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/L			< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

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TABLE 2B
Summary of Groundwater Analytical Results - Intermediate
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-29(I)	MWB-32(I)	MWB-34(I)
Laboratory Method EPA 300.0						
Chloride	mg/L		250	**6.4 J**	**5.8 J**	**5.7**
Laboratory Method EPA 350.1						
Ammonia (N)	ug/L			**30**	**28**	**52**
Laboratory Method EPA 353.2 (Nitrate (N))						
Nitrate (N)	mg/L	10		**0.0086 I**	**0.0072 I**	**0.0088 I**
Laboratory Method EPA 353.2 (Nitrate-Nitrite (N))						
Nitrate-Nitrite (N)	mg/L	10		**0.0086 I**	**0.0072 I**	**0.0088 I**
Laboratory Method EPA 6010						
Iron	mg/L		0.3	**0.4 V**	**0.4 V**	**0.46 V**
Sodium	mg/L	160		**3.3**	**3.1**	**3.5**
Laboratory Method EPA 6020						
Antimony	ug/L	6		< 0.84	< 0.84	< 0.84
Arsenic	ug/L	10		< 0.66	< 0.66	**0.73 I**
Barium	ug/L	2000		**44**	**38**	**51**
Beryllium	ug/L	4		< 0.37	< 0.37	< 0.37
Cadmium	ug/L	5		< 0.59	< 0.59	< 0.59
Chromium	ug/L	100		< 0.63	< 0.63	< 0.63
Cobalt	ug/L			< 0.25	< 0.25	< 0.25
Copper	ug/L		1000	< 1.9	< 1.9	< 1.9 I
Lead	ug/L	15		**0.74 I**	**1.4**	**0.3 I**
Nickel	ug/L	100		**1.6 IV**	**1.3 IV**	**1 IV**
Selenium	ug/L	50		< 0.33	< 0.33	< 0.33
Silver	ug/L		100	< 0.063	< 0.063	< 0.063
Thallium	ug/L	2		< 0.5	< 0.5	< 0.5
Vanadium	ug/L			< 2.2	**2.5**	< 2.2
Zinc	ug/L		5000	< 14	< 14	< 14
Laboratory Method EPA 7470						
Mercury	ug/L	2		< 0.084	< 0.084	< 0.084
Laboratory Method EPA 8011						
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.0058	< 0.0057	< 0.0057
1,2-Dibromoethane	ug/L	0.02		< 0.0062	< 0.0061	< 0.0061
Laboratory Method EPA 8260						
1,1,1,2-Tetrachloroethane	ug/L			< 0.21	< 0.21	< 0.21
1,1,1-Trichloroethane	ug/L	200		< 0.29	< 0.29	< 0.29
1,1,2,2-Tetrachloroethane	ug/L			< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane	ug/L	5		< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	ug/L			< 0.18	< 0.18	< 0.18
1,1-Dichloroethene	ug/L	7		< 0.24	< 0.24	< 0.24
1,2,3-Trichloropropane	ug/L			< 0.29	< 0.29	< 0.29
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.32	< 0.32	< 0.32
1,2-Dibromoethane	ug/L	0.02		< 0.25	< 0.25	< 0.25
1,2-Dichlorobenzene	ug/L	600		< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/L	3		< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5		< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	ug/L	75		< 0.19	< 0.19	< 0.19
2-Butanone	ug/L			< 3	< 3	< 3
2-Hexanone	ug/L			< 2.6	< 2.6	< 2.6
4-Methyl-2-pentanone	ug/L			< 2.2	< 2.2	< 2.2
Acetone	ug/L			**3.9 I**	< 3	< 3
Acrylonitrile	ug/L			< 5.1	< 5.1	< 5.1
Benzene	ug/L	1		< 0.28	< 0.28	< 0.28
Bromochloromethane	ug/L			< 0.14	< 0.14	< 0.14
Bromodichloromethane	ug/L			< 0.26	< 0.26	< 0.26
Bromoform	ug/L			< 0.18	< 0.18	< 0.18
Bromomethane	ug/L			< 0.25	< 0.25	< 0.25
Carbon disulfide	ug/L			< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/L	3		< 0.2	< 0.2	< 0.2
Chlorobenzene	ug/L	100		< 0.27	< 0.27	< 0.27
Chloroethane	ug/L			< 0.53	< 0.53	< 0.53
Chloroform	ug/L			< 0.21	< 0.21	< 0.21
Chloromethane	ug/L			< 0.28	< 0.28	< 0.28

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

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TABLE 2B
Summary of Groundwater Analytical Results - Intermediate
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-2(I)	MWB-3(I)	MWB-7(I)	MWB-11(IR)	MWB-12(I)	MWB-13(I)	MWB-17(I)	MWB-19(I)	MWB-27(I)
Laboratory Method EPA 8260												
cis-1,2-Dichloroethene	ug/L	70		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/L			< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dibromochloromethane	ug/L			< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dibromomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Ethylbenzene	ug/L	700		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Iodomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Styrene	ug/L	100		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Tetrachloroethene	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	ug/L	1000		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
trans-1,2-Dichloroethene	ug/L	100		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	ug/L			< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,4-Dichloro-2-butene	ug/L			< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Trichloroethene	ug/L	3		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Vinyl acetate	ug/L			< 0.3	< 0.3	< 0.3	< 0.3 UJ	< 0.3	< 0.3	< 0.3 UJ	< 0.3	< 0.3 UJ
Vinyl chloride	ug/L	1		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylenes, Total	ug/L	10000		< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Laboratory Method SM18 2540 C												
Residues- Filterable (TDS)	mg/L		500	**37**	**27**	**51**	**40 V**	**29 Q**	**31 Q**	**31 Q**	**34**	**57**

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

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= PDWS Exceedance = SDWS Exceedance

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TABLE 2B
Summary of Groundwater Analytical Results - Intermediate
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-29(I)	MWB-32(I)	MWB-34(I)
Laboratory Method EPA 8260						
cis-1,2-Dichloroethene	ug/L	70		< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/L			< 0.19	< 0.19	< 0.19
Dibromochloromethane	ug/L			< 0.16	< 0.16	< 0.16
Dibromomethane	ug/L			< 0.24	< 0.24	< 0.24
Ethylbenzene	ug/L	700		< 0.25	< 0.25	< 0.25
Iodomethane	ug/L			< 0.24	< 0.24	< 0.24
Methylene chloride	ug/L	5		< 0.27	< 0.27	< 0.27
Styrene	ug/L	100		< 0.22	< 0.22	< 0.22
Tetrachloroethene	ug/L	3		< 0.2	< 0.2	< 0.2
Toluene	ug/L	1000		< 0.24	< 0.24	< 0.24
trans-1,2-Dichloroethene	ug/L	100		< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	ug/L			< 0.2	< 0.2	< 0.2
trans-1,4-Dichloro-2-butene	ug/L			< 0.47	< 0.47	< 0.47
Trichloroethene	ug/L	3		< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	ug/L			< 0.24	< 0.24	< 0.24
Vinyl acetate	ug/L			< 0.3	< 0.3 UJ	< 0.3
Vinyl chloride	ug/L	1		< 0.29	< 0.29	< 0.29
Xylenes, Total	ug/L	10000		< 0.68	< 0.68	< 0.68
Laboratory Method SM18 2540 C						
Residues- Filterable (TDS)	mg/L		500	**24**	**50 V**	**47 V**

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

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TABLE 2C
Summary of Groundwater Analytical Results - Deep
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-7(D)	MWB-12(D)	MWB-17(D)	MWB-19(D)	MWB-27(D)	MWB-29(D)	MWB-31(D)	MWB-32(D)	MWB-34(D)
Laboratory Method EPA 300.0												
Chloride	mg/L		250	**4.3 J**	**4.4**	**5.9**	**4.7**	**5.5**	**7.2 J**	**5.5**	**6.2 J**	**5.6 J**
Laboratory Method EPA 350.1												
Ammonia (N)	ug/L			**150**	**180**	**40**	**97**	**84**	**85**	**180**	**110**	**200**
Laboratory Method EPA 353.2 (Nitrate (N))												
Nitrate (N)	mg/L	10		< 0.0047	**0.0096 I**	**0.011**	**0.0096 I**	**0.02**	**0.013**	**0.0091 I**	**0.011**	**0.0052 I**
Laboratory Method EPA 353.2 (Nitrate-Nitrite (N))												
Nitrate-Nitrite (N)	mg/L	10		< 0.0047	**0.0096 I**	**0.011**	**0.0096 I**	**0.02**	**0.013**	**0.0091 I**	**0.011**	**0.0052 I**
Laboratory Method EPA 6010												
Iron	mg/L		0.3	**0.32**	**0.91**	**0.34 V**	**1.8**	**0.77 V**	**0.72**	**0.77**	**0.68 V**	**0.49 V**
Sodium	mg/L	160		**4.6**	**5.6**	**3.4**	**4.5**	**3.6**	**3.9**	**5.8**	**4.3**	**6.1**
Laboratory Method EPA 6020												
Antimony	ug/L	6		< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
Arsenic	ug/L	10		< 0.66	< 0.66	< 0.66	**1 I**	< 0.66	< 0.66	**0.99 I**	< 0.66	**0.67 I**
Barium	ug/L	2000		**89 V**	**130 V**	**34**	**110 V**	**55**	**56 V**	**96 V**	**51**	**110**
Beryllium	ug/L	4		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Cadmium	ug/L	5		< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Chromium	ug/L	100		< 0.63	< 0.63	< 0.63	**1.2 I**	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Cobalt	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Copper	ug/L		1000	< 1.9	< 1.9	**12**	**3**	< 1.9	< 1.9	< 1.9 I	< 1.9	**2.4 I**
Lead	ug/L	15		< 0.17	**0.42 I**	< 0.17	**0.58 I**	< 0.17	**0.25 I**	**0.48 I**	**0.57 I**	< 0.17
Nickel	ug/L	100		< 0.7	< 0.7 UJ	**1.2 IV**	< 0.7	**1.4 IV**	< 0.7	**2.3 IV**	**1.1 IV**	**0.82 IV**
Selenium	ug/L	50		< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Silver	ug/L		100	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063
Thallium	ug/L	2		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	ug/L			< 2.2	< 2.2	**2.6**	**3.4**	< 2.2	< 2.2	< 2.2 I	< 2.2 I	< 2.2
Zinc	ug/L		5000	< 14	< 14	< 14	< 14	< 14	< 14	< 14	< 14	< 14
Laboratory Method EPA 7470												
Mercury	ug/L	2		< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084	< 0.084
Laboratory Method EPA 8011												
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.0057	**0.013 I**	< 0.0057	< 0.0057	< 0.0057	< 0.0058	< 0.0057	< 0.0057	< 0.0057
1,2-Dibromoethane	ug/L	0.02		< 0.0061	**0.013 I**	< 0.0061	< 0.0061	< 0.0061	< 0.0062	< 0.0061	< 0.0061	< 0.0061
Laboratory Method EPA 8260												
1,1,1,2-Tetrachloroethane	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,1,1-Trichloroethane	ug/L	200		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1,2,2-Tetrachloroethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane	ug/L	5		< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,1-Dichloroethene	ug/L	7		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichloropropane	ug/L			< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dibromo-3-Chloropropane	ug/L	0.2		< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,2-Dibromoethane	ug/L	0.02		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dichlorobenzene	ug/L	600		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/L	3		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	ug/L	75		< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
2-Butanone	ug/L			< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
2-Hexanone	ug/L			< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
4-Methyl-2-pentanone	ug/L			< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Acetone	ug/L			< 3	< 3	**4.3 I**	**3 I**	< 3	< 3	< 3	< 3	**3.2 I**
Acrylonitrile	ug/L			< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
Benzene	ug/L	1		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromochloromethane	ug/L			< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromodichloromethane	ug/L			< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromoform	ug/L			< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	ug/L			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon disulfide	ug/L			< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	ug/L	100		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Chloroethane	ug/L			< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Chloroform	ug/L			< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/L			< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

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TABLE 2C
Summary of Groundwater Analytical Results - Deep
Trail Ridge Landfill, Jacksonville, Florida

		PDWS	SDWS	MWB-7(D)	MWB-12(D)	MWB-17(D)	MWB-19(D)	MWB-27(D)	MWB-29(D)	MWB-31(D)	MWB-32(D)	MWB-34(D)
Laboratory Method EPA 8260												
cis-1,2-Dichloroethene	ug/L	70		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/L			< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dibromochloromethane	ug/L			< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dibromomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Ethylbenzene	ug/L	700		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Iodomethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	ug/L	5		< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Styrene	ug/L	100		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Tetrachloroethene	ug/L	3		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Toluene	ug/L	1000		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
trans-1,2-Dichloroethene	ug/L	100		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	ug/L			< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,4-Dichloro-2-butene	ug/L			< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Trichloroethene	ug/L	3		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	ug/L			< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Vinyl acetate	ug/L			< 0.3	< 0.3	< 0.3 UJ	< 0.3	< 0.3 UJ	< 0.3	< 0.3	< 0.3	< 0.3
Vinyl chloride	ug/L	1		< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylenes, Total	ug/L	10000		< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Laboratory Method SM18 2540 C												
Residues- Filterable (TDS)	mg/L		500	**200**	**210 Q**	**61 V**	**210**	**89**	**44**	**210**	**130 V**	**240 V**

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; Q = Sample outside holding time; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Bold values indicate detections above the associated reporting limit

PDWS = Primary Drinking Water Standard, SDWS = Secondary Drinking Water Standard (FDEP Chapter 62-550)

= PDWS Exceedance = SDWS Exceedance

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TABLE 3
Summary of Surface Water Analytical Results
Trail Ridge Landfill, Jacksonville, Florida

		Class I WQS	Class III WQS	SW-1	SW-2	SW-3
Laboratory Method EPA 1631						
Mercury	ug/L	0.012	0.012	**0.00073**	**0.00041 I**	**0.015**
Laboratory Method EPA 353.2 (Nitrate (N))						
Nitrate (N)	mg/L	10		**0.0092 I**	**0.015**	**0.018**
Laboratory Method EPA 353.2 (Nitrate-Nitrite (N))						
Nitrate-Nitrite (N)	mg/L			**0.0092 I**	**0.015**	**0.023**
Laboratory Method EPA 365.1 (Phosphorus -Total)						
Phosphorus- Total	mg/L			**0.021**	**0.015**	**0.085**
Laboratory Method EPA 6010						
Iron	mg/L	1	1	**0.33**	**0.31**	**0.96**
Laboratory Method EPA 6020						
Antimony	ug/L	14	4300	< 0.84	< 0.84	**1.8**
Arsenic	ug/L	10	50	< 0.66	< 0.66	**2.4**
Barium	ug/L	1000		**51**	**84**	**79**
Beryllium	ug/L	0.0077	0.13	< 0.37	< 0.37	< 0.37
Cadmium	ug/L	Calc	Calc	< 0.59	< 0.59	< 0.59
Chromium	ug/L	Calc	Calc	< 0.63	< 0.63	**1.9 I**
Cobalt	ug/L			< 0.25	< 0.25	**0.4 I**
Copper	ug/L	Calc	Calc	< 1.9	< 1.9	**2 I**
Lead	ug/L	Calc	Calc	**0.75 I**	< 0.17	**5.3**
Nickel	ug/L	Calc	Calc	< 0.7	< 0.7	**3.4**
Selenium	ug/L	5	5	< 0.33	< 0.33	**0.89 I**
Silver	ug/L	0.07	0.07	< 0.063	< 0.063	< 0.063
Thallium	ug/L	1.7	6.3	< 0.5	< 0.5	< 0.5
Vanadium	ug/L			< 2.2	< 2.2	**4.6**
Zinc	ug/L	Calc	Calc	< 14	< 14	< 14
Laboratory Method EPA 8011						
1,2-Dibromo-3-Chloropropane	ug/L			< 0.0057	< 0.0057	< 0.0057
1,2-Dibromoethane	ug/L			< 0.0061	< 0.0061	< 0.0061
Laboratory Method EPA 8260						
1,1,1,2-Tetrachloroethane	ug/L			< 0.21	< 0.21	< 0.21
1,1,1-Trichloroethane	ug/L			< 0.29	< 0.29	< 0.29
1,1,2,2-Tetrachloroethane	ug/L	0.17	10.8	< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane	ug/L			< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	ug/L			< 0.18	< 0.18	< 0.18
1,1-Dichloroethene	ug/L	7	3.2	< 0.24	< 0.24	< 0.24
1,2,3-Trichloropropane	ug/L			< 0.29	< 0.29	< 0.29
1,2-Dibromo-3-Chloropropane	ug/L			< 0.32	< 0.32	< 0.32
1,2-Dibromoethane	ug/L			< 0.25	< 0.25	< 0.25
1,2-Dichlorobenzene	ug/L			< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/L			< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L			< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	ug/L			< 0.19	< 0.19	< 0.19
2-Butanone	ug/L			< 3	< 3	< 3
2-Hexanone	ug/L			< 2.6	< 2.6	< 2.6
4-Methyl-2-pentanone	ug/L			< 2.2	< 2.2	< 2.2
Acetone	ug/L			**5.4 I**	**4.5 I**	< 3
Acrylonitrile	ug/L			< 5.1	< 5.1	< 5.1
Benzene	ug/L	1.18	71.28	< 0.28	< 0.28	< 0.28
Bromochloromethane	ug/L			< 0.14	< 0.14	< 0.14
Bromodichloromethane	ug/L	0.27	22	< 0.26	< 0.26	< 0.26
Bromoform	ug/L	4.3	360	< 0.18	< 0.18	< 0.18
Bromomethane	ug/L			< 0.25	< 0.25	< 0.25
Carbon disulfide	ug/L			< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/L	3	4.42	< 0.2	< 0.2	< 0.2
Chlorobenzene	ug/L			< 0.27	< 0.27	< 0.27
Chloroethane	ug/L			< 0.53	< 0.53	< 0.53
Chloroform	ug/L	5.67	470.8	**1.2**	< 0.21	< 0.21
Chloromethane	ug/L	5.67	470.8	< 0.28	< 0.28	< 0.28
cis-1,2-Dichloroethene	ug/L			< 0.22	< 0.22	< 0.22

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; B = Results based on count outside range; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Calc. indicates standard calculated based on sample hardness (see Table 5 for calculated values and comparison).

Bold values indicate detections above the associated reporting limit

WQS = Water Quality Standard, Class I (potable) and Class III (freshwater) (FDEP Chapter 62-302)

= WQS Exceedance

TABLE 3
Summary of Surface Water Analytical Results
Trail Ridge Landfill, Jacksonville, Florida

		Class I WQS	Class III WQS	SW-1	SW-2	SW-3
Laboratory Method EPA 8260						
cis-1,3-Dichloropropene	ug/L			< 0.19	< 0.19	< 0.19
Dibromochloromethane	ug/L	0.41	34	< 0.16	< 0.16	< 0.16
Dibromomethane	ug/L			< 0.24	< 0.24	< 0.24
Ethylbenzene	ug/L			< 0.25	< 0.25	< 0.25
Iodomethane	ug/L			< 0.24	< 0.24	< 0.24
Methylene chloride	ug/L	4.65	1580	< 0.27	< 0.27	< 0.27
Styrene	ug/L			< 0.22	< 0.22	< 0.22
Tetrachloroethene	ug/L	3	8.85	< 0.2	< 0.2	< 0.2
Toluene	ug/L			< 0.24	< 0.24	< 0.24
trans-1,2-Dichloroethene	ug/L			< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	ug/L			< 0.2	< 0.2	< 0.2
trans-1,4-Dichloro-2-butene	ug/L			< 0.47	< 0.47	< 0.47
Trichloroethene	ug/L	3	80.7	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	ug/L			< 0.24	< 0.24	< 0.24
Vinyl acetate	ug/L			< 0.3	< 0.3	< 0.3
Vinyl chloride	ug/L			< 0.29	< 0.29	< 0.29
Xylenes, Total	ug/L			< 0.68	< 0.68	< 0.68
Laboratory Method FDEP DEP-SOP						
Ammonia- Un-ionized (NH3)	ug/L	20	20	< 0.28	< 0.28	**23**
Laboratory Method SM18 10200 H						
Chlorophyll a- uncorrected	ug/L			**4.9**	**4.9**	**61.9**
Laboratory Method SM18 2340 B						
Hardness- Calculated	mg/L			**110**	**8.2**	**170**
Laboratory Method SM18 2540 C						
Residues- Filterable (TDS)	mg/L			**180**	**54**	**360**
Laboratory Method SM18 2540 D						
Residues- Nonfilterable (TSS)	mg/L			**4.8**	**4.2**	**13**
Laboratory Method SM18 4500-P E						
Orthophosphate (P)	mg/L			**0.0022 I**	**0.0066 I**	**0.059**
Laboratory Method SM18 5210 B						
BOD	mg/L			**2.4**	< 1.5	**3.6**
Laboratory Method SM18 5220 D						
Chemical Oxygen Demand	mg/L			**65**	**23**	**73**
Laboratory Method SM18 5310 C						
Carbon- Total Organic	mg/L			**22**	**6.9**	**24**
Laboratory Method SM18 9222 D (MF)						
Coliform Fecal	CFU/100 mL	800	800	**29 J**	**920 B**	**1340 B**
Laboratory Method Total Nitrogen						
Nitrogen- Total	mg/L			**0.85**	**0.31**	**4**

ug/l = micrograms per liter; mg/l = milligrams per liter; J = Estimated value; B = Results based on count outside range; I = Reported value between method detection limit and practical quantitation limit; V = Analyte detected in sample and method blank

Calc. indicates standard calculated based on sample hardness (see Table 5 for calculated values and comparison).

Bold values indicate detections above the associated reporting limit

WQS = Water Quality Standard, Class I (potable) and Class III (freshwater) (FDEP Chapter 62-302)

= WQS Exceedance

08-Nov-11

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TABLE 4
Groundwater and Surface Water Field Parameter Summary
Trail Ridge Landfill, Jacksonville, Florida
FDEP Permit 0013493-017-SO/WACS ID Number NED/16/00033628

Well ID	pH	Dissolved Oxygen	Specific Conductivity	Temperature	Turbidity	Color	Sheen
	(SU)	(mg/L)	(mS/cm)	(°C)	(NTU)	(by observation)	
SDWS :	6.5 to 8.5	--	--	--	--	--	--
Surface Water Class I/III :	Vary 1 Unit	> 5.0	1.275 or 50%	--	29 > BG	--	--
Shallow Wells							
MWB-2(S)	4.26	0.5	0.063	24.9	1.36	None	None
MWB-3(S)	4.24	0.1	0.058	24.7	4.77	None	None
MWB-7(S)	4.62	0.2	0.144	27.8	14.87	Brown Tint	None
MWB-11(S)	3.76	0.2	0.146	23.6	3.09	None	None
MWB-12(S)	5.33	0.6	0.128	25.3	15.08	Brown Tint	None
MWB-13(S)	5.61	0.6	0.379	26.7	10.41	Brown Tint	None
MWB-17(S)	5.40	1.8	0.124	28.2	1.99	None	None
MWB-19(S)	4.08	0.2	0.121	27.4	2.47	None	None
MWB-20(S)	4.22	0.2	0.111	26.3	9.13	Brown Tint	None
MWB-21(S)	4.38	0.4	0.041	25.8	4.08	None	None
MWB-22(S)	5.38	0.6	0.252	26.5	7.78	None	None
MWB-27(S)	4.50	0.5	0.327	25.2	3.71	None	None
MWB-29(S)	4.51	0.6	0.054	27.3	3.98	None	None
MWB-32(S)	5.21	0.4	0.253	25.6	9.65	Light brown	None
MWB-33(S)	5.35	0.7	0.170	26.7	7.38	None	None
MWB-34(S)	5.96	0.4	0.858	26.2	3.56	Slightly Yellow	None
Intermediate Wells							
MWB-2(I)	4.62	0.1	0.035	23.2	0.82	None	None
MWB-3(I)	4.47	0.2	0.035	22.9	1.72	None	None
MWB-7(I)	4.94	0.0	0.039	27.3	0.45	None	None
MWB-11(IR)	4.69	0.5	0.035	24.4	2.79	None	None
MWB-12(I)	4.95	0.5	0.038	25.6	1.30	None	None
MWB-13(I)	4.78	0.4	0.035	25.1	4.65	None	None
MWB-17(I)	4.69	0.0	0.028	26.9	0.54	None	None
MWB-19(I)	4.79	0.3	0.032	26.6	1.01	None	None
MWB-27(I)	5.29	0.5	0.052	22.6	7.65	None	None
MWB-29(I)	4.90	0.4	0.036	23.8	14.28	Slightly Tan	None
MWB-32(I)	5.31	0.3	0.041	22.1	43.73	None	None
MWB-34(I)	5.08	0.3	0.042	25.5	5.35	None	None
Deep Wells							
MWB-7(D)	7.26	0.0	0.313	25.5	0.59	None	None
MWB-12(D)	6.90	0.2	0.358	25.3	2.08	None	None
MWB-17(D)	5.22	0.0	0.049	25.2	0.83	None	None
MWB-19(D)	7.13	0.1	0.330	29.1	2.22	None	None
MWB-27(D)	5.46	0.2	0.087	22.3	0.77	None	None
MWB-29(D)	5.35	0.3	0.063	23.8	2.68	None	None
MWB-31(D)	6.88	1.9	0.336	25.0	0.72	None	None
MWB-32(D)	6.05	0.3	0.126	22.5	5.13	None	None
MWB-34(D)	6.91	0.2	0.419	25.0	2.49	None	None
Surface Water							
SW-1	7.15	4.3	0.251	26.8	4.11	Slightly Yellow	None
SW-2	5.75	5.6	0.050	25.6	4.0	None	None
SW-3	6.96	4.7	0.496	30.5	41.71	Light Tan	None
Leachate							
LCS (COMP-1)	7.29	0.1	20.590	35.9	486.20	Black	None
LDSS (TANK-6)	7.86	0.2	6.757	32.5	9.94	Amber	None

Notes:

SU - standard units; mg/L - milligrams per liter; mS/cm - milliSiemens per centimeter ; NTU - nephelometric turbidity unit; BG - background level
SDWS - secondary drinking water standard provided in F.A.C. Chapter 62-550
Class I and III surface water quality standards provided in F.A.C. Chapter 62-302
Measurements collected by ProTech in August 2011.

TABLE 5
Surface Water Quality Standard Calculations
Trail Ridge Landfill, Jacksonville, Florida
FDEP Permit 0013493-017-SO / WACS ID Number NED/16/00033628

Parameter	Units	WQS Class I & Class III	SW-1		SW-2		SW-3		
			110		8.2		170		Total Hardness [1]
			4.7005		2.1041		5.1358		lnH [2]
			Result	Standard	Result	Standard	Result	Standard	
Cadmium	ug/L	Measured ≤ $e^{(0.7409[lnH]-4.719)}$	<0.59	0.3	<0.59	0.04	<0.59	0.4	
Chromium	ug/L	Measured ≤ $e^{(0.819[lnH]+0.6848)}$	<0.63	93.2	<0.63	11.1	**1.9 I**	133.1	
Copper	ug/L	Measured ≤ $e^{(0.8545[lnH]-1.702)}$	<1.9	10.1	<1.9	1.1	**2.0 I**	14.7	
Lead	ug/L	Measured ≤ $e^{(1.273[lnH]- 4.705)}$	**0.75 I**	3.6	<0.17	0.1	**5.3**	6.3	
Nickel	ug/L	Measured ≤ $e^{(0.846[lnH]+0.0584)}$	<0.70	56.5	<0.70	6.3	**3.4**	81.7	
Zinc	ug/L	Measured ≤ $e^{(0.8473[lnH]+0.884)}$	<14	129.9	<14	14.4	<14	187.8	

Notes:

ug/L - micrograms per liter; ND - not detected, Bold values indicate detections above the laboratory detection limit, I - result qualified because detection between method detection limits and practical quantitation limits.

WQS - Water Quality Standard, Class I (potable), Class III (freshwater) provided in FDEP Chapter 62-302

1 - Total mesured total hardness (H) is reported in milligrams/L of CaCO3 in the Test America laboratory report

2 - "ln H" means the natural logarithm of total hardness expressed as milligrams/L of CaCO3

= WQS Exceedance

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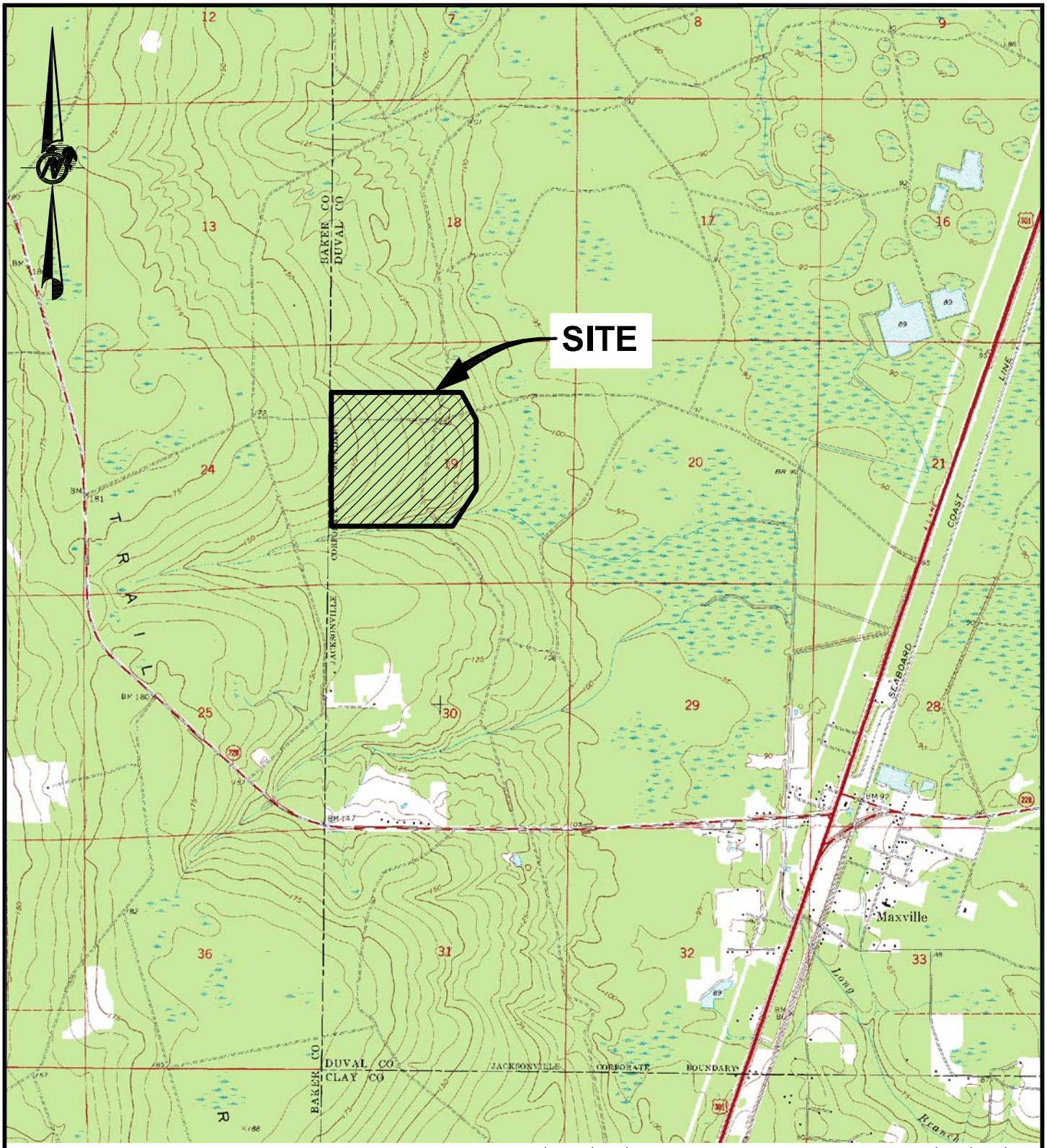
FIGURES



REFERENCES

USGS 7.5 MINUTE QUADRANGLE; MAXVILLE, FL 1970
(PHOTOINSPECTED 1984).

Golder Associates
3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Tel: 770/496-1893 Fax: 770/934-9476
COA No. 1670

3000 0 3000
SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	-	-	-	-		

PROJECT

WASTE MANAGEMENT
TRAIL RIDGE LANDFILL / JACKSONVILLE, FL

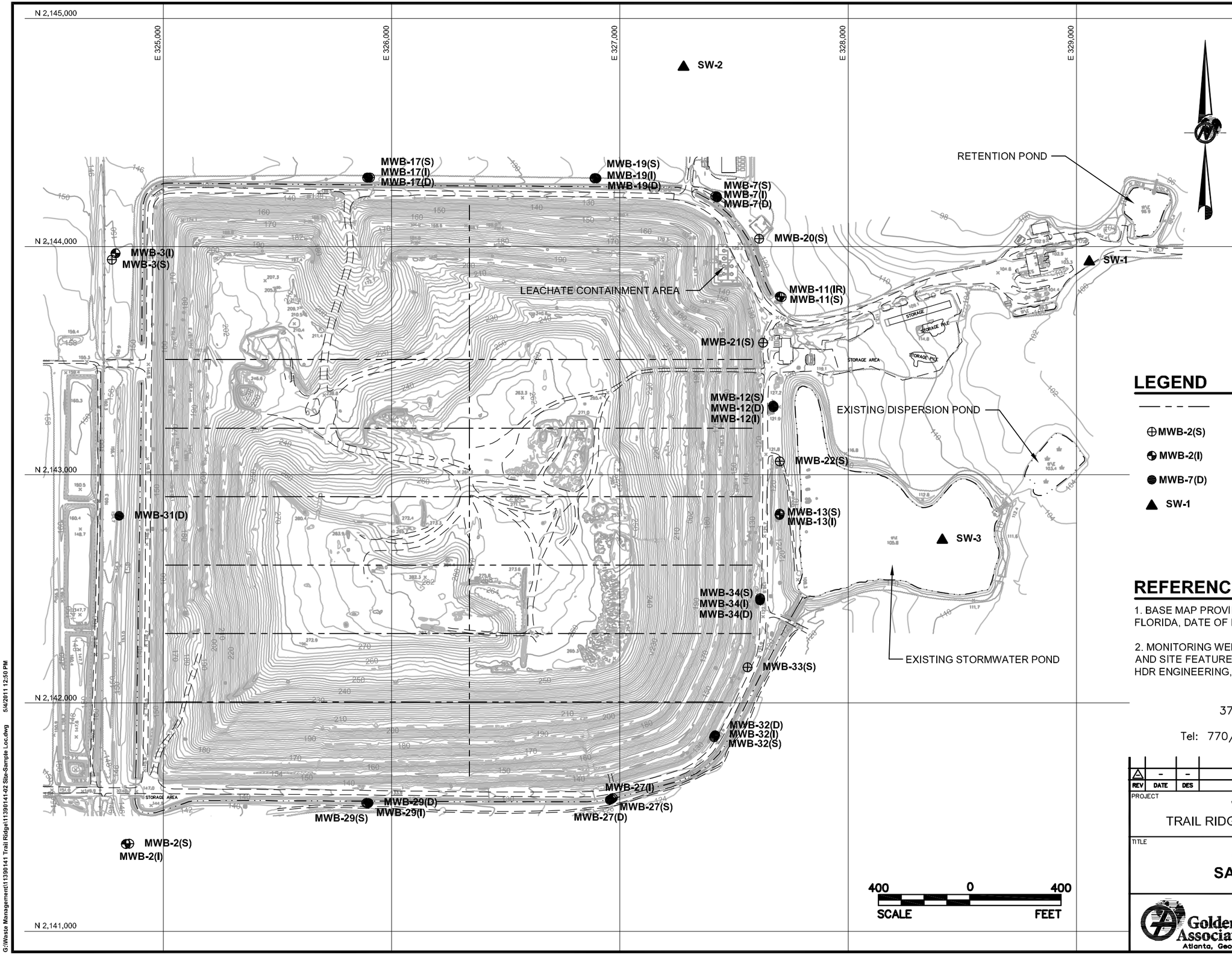
TITLE

SITE LOCATION

Golder Associates
Atlanta, Georgia

PROJECT No.		11390141	FILE No. 11390141-01 Site Loc	
DESIGN	-	-	SCALE AS SHOWN	REV. -
CADD	RJC	10/11	1	
CHECK	JLP	10/11		
REVIEW	KSB	10/11		

G:\Waste Management\11390141 Trail Ridge\11390141-01 Site Loc.dwg 5/4/2011 12:50 PM



LEGEND

— — —	PHASE BOUNDARY
⊕ MWB-2(S)	SHALLOW MONITORING WELL
⊕ MWB-2(I)	INTERMEDIATE MONITORING WELL
● MWB-7(D)	DEEP MONITORING WELL
▲ SW-1	SURFACE WATER MONITORING POINT

REFERENCES

1. BASE MAP PROVIDED BY WASTE MANAGEMENT, INC. OF FLORIDA, DATE OF PHOTOGRAPHY 01/12/11.

2. MONITORING WELLS, SURFACE WATER MONITORING POINTS AND SITE FEATURES FROM GROUNDWATER CONTOUR MAPS BY HDR ENGINEERING, INC., DATED 07/20/10.

Golder Associates
3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Tel: 770/496-1893 Fax: 770/934-9476
COA No. 1670

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	-	-	-	-		

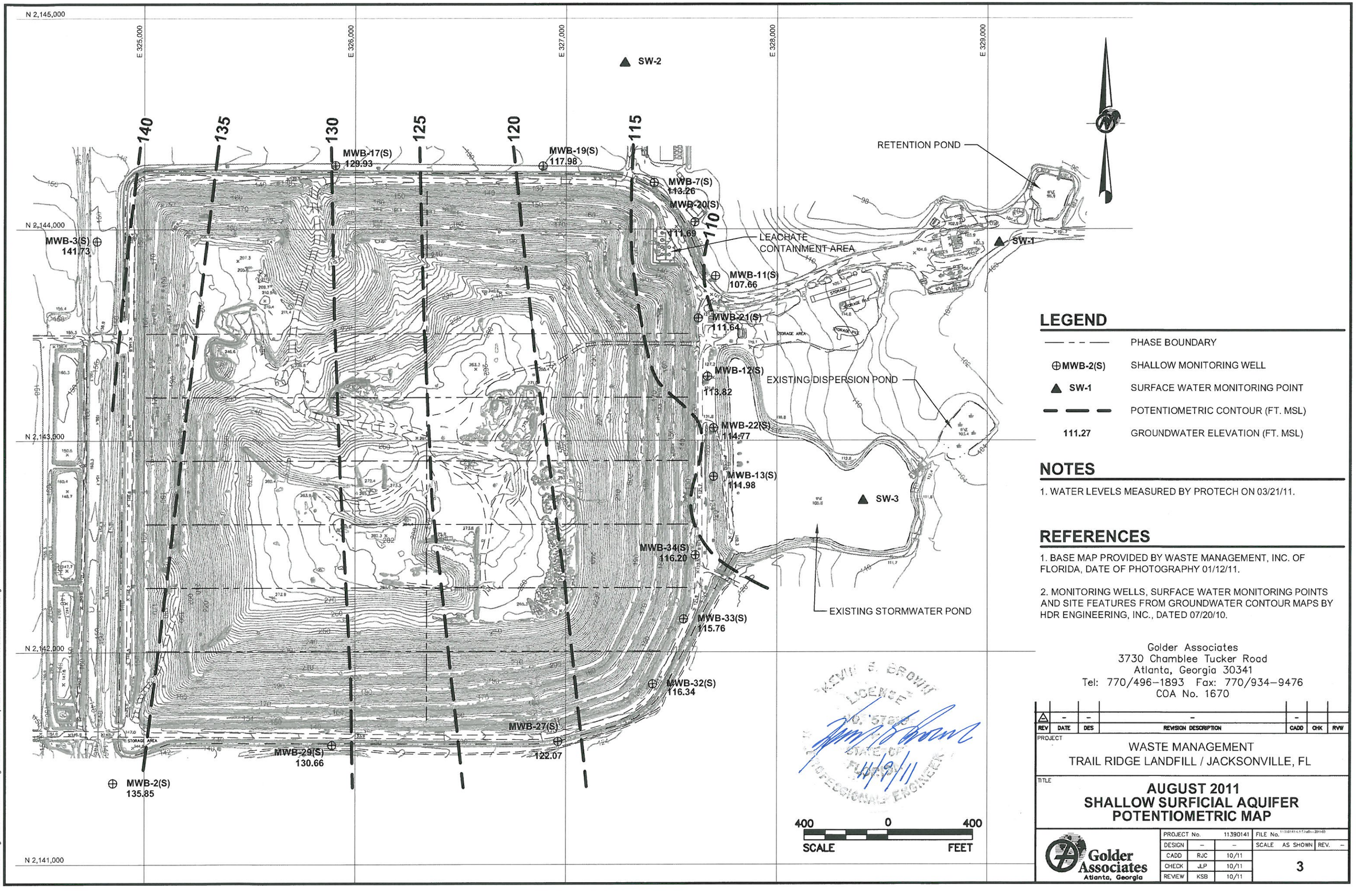
PROJECT
WASTE MANAGEMENT
TRAIL RIDGE LANDFILL / JACKSONVILLE, FL

TITLE
SITE LAYOUT AND SAMPLING LOCATIONS

Golder Associates Atlanta, Georgia

PROJECT No.		11390141	FILE No.	11390141-02 Site-Sample Loc	
DESIGN	–	–	SCALE	AS SHOWN	REV. –
CADD	RJC	10/11	2		
CHECK	JLP	10/11			
REVIEW	KSB	10/11			

G:\Waste Management\11390141 Trail Ridge\11390141-02 Site-Sample Loc.dwg 5/4/2011 12:50 PM



LEGEND

— - - —	PHASE BOUNDARY
⊕MWB-2(S)	SHALLOW MONITORING WELL
▲ SW-1	SURFACE WATER MONITORING POINT
— — —	POTENTIOMETRIC CONTOUR (FT. MSL)
111.27	GROUNDWATER ELEVATION (FT. MSL)

NOTES

1. WATER LEVELS MEASURED BY PROTECH ON 03/21/11.

REFERENCES

1. BASE MAP PROVIDED BY WASTE MANAGEMENT, INC. OF FLORIDA, DATE OF PHOTOGRAPHY 01/12/11.

2. MONITORING WELLS, SURFACE WATER MONITORING POINTS AND SITE FEATURES FROM GROUNDWATER CONTOUR MAPS BY HDR ENGINEERING, INC., DATED 07/20/10.

KEVIN S. BROWN LICENCE NO. 57660 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/19/11

Golder Associates
3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Tel: 770/496-1893 Fax: 770/934-9476
COA No. 1670

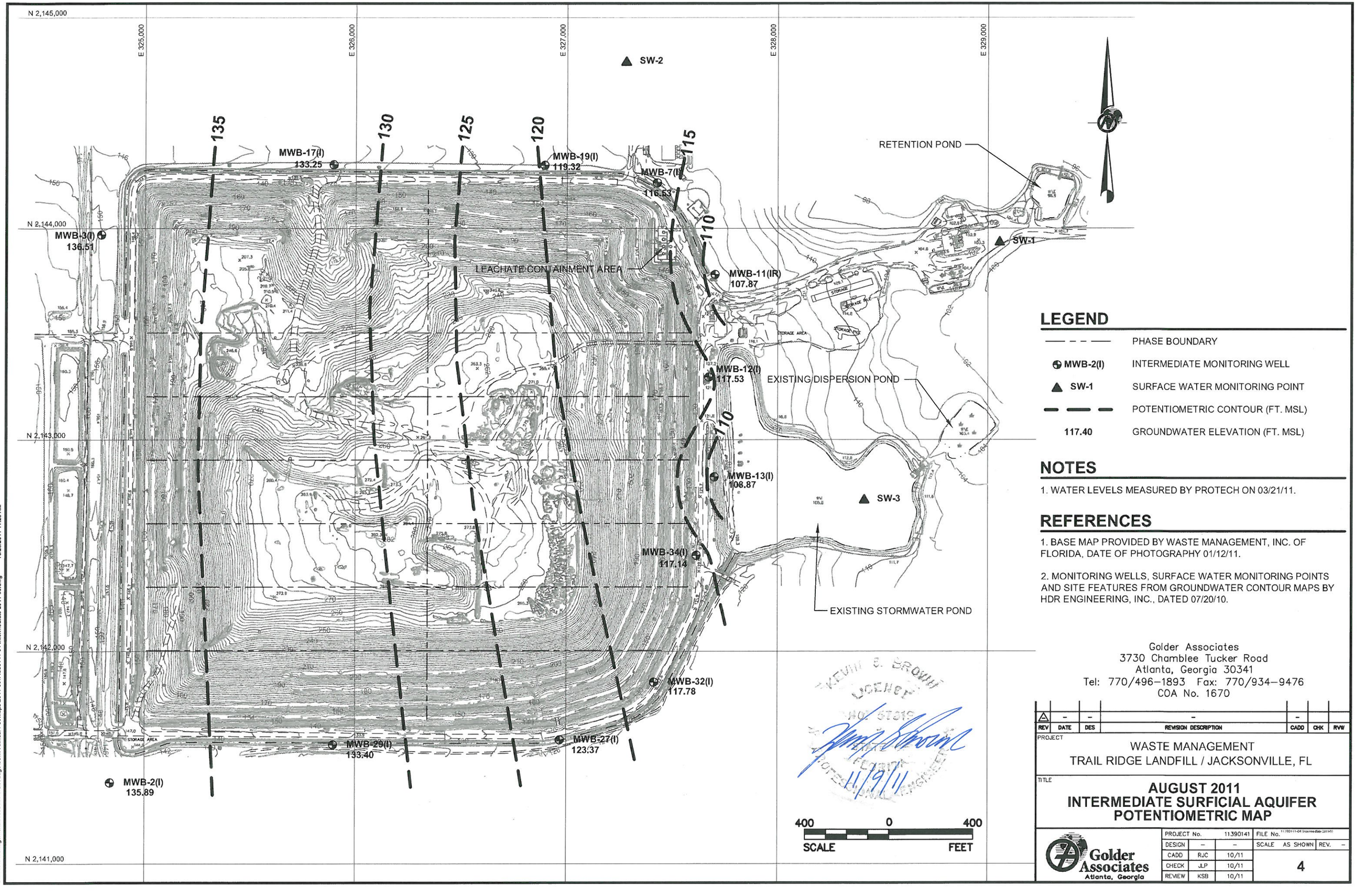
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
△ -	-		-	-		

PROJECT
WASTE MANAGEMENT
TRAIL RIDGE LANDFILL / JACKSONVILLE, FL

TITLE
AUGUST 2011
SHALLOW SURFICIAL AQUIFER POTENTIOMETRIC MAP

Golder Associates Atlanta, Georgia

PROJECT No.		11390141	FILE No.		
DESIGN	–	–	SCALE	AS SHOWN	REV. –
CADD	RJC	10/11			
CHECK	JLP	10/11	3		
REVIEW	KSB	10/11			



LEGEND

— — —	PHASE BOUNDARY
MWB-2(I)	INTERMEDIATE MONITORING WELL
SW-1	SURFACE WATER MONITORING POINT
— — —	POTENTIOMETRIC CONTOUR (FT. MSL)
117.40	GROUNDWATER ELEVATION (FT. MSL)

NOTES

1. WATER LEVELS MEASURED BY PROTECH ON 03/21/11.

REFERENCES

1. BASE MAP PROVIDED BY WASTE MANAGEMENT, INC. OF FLORIDA, DATE OF PHOTOGRAPHY 01/12/11.

2. MONITORING WELLS, SURFACE WATER MONITORING POINTS AND SITE FEATURES FROM GROUNDWATER CONTOUR MAPS BY HDR ENGINEERING, INC., DATED 07/20/10.

Golder Associates
3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Tel: 770/496-1893 Fax: 770/934-9476
COA No. 1670

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	-	-	-	-		

PROJECT
WASTE MANAGEMENT
TRAIL RIDGE LANDFILL / JACKSONVILLE, FL

TITLE
AUGUST 2011
INTERMEDIATE SURFICIAL AQUIFER POTENTIOMETRIC MAP

Golder Associates
Atlanta, Georgia

PROJECT No.		11390141	FILE No.	11390141-04 Intermediate 2011-08	
DESIGN	-	-	SCALE	AS SHOWN	REV. -
CADD	RJC	10/11	4		
CHECK	JLP	10/11			
REVIEW	KSB	10/11			

G:\Waste Management\11390141 Trail Ridge\Semi-Annual Pot Maps\2011-08\11390141-04 Intermediate 2011-08.dwg 10/28/2011 11:25 AM

N 2,145,000

E 325,000

E 326,000

E 327,000

E 328,000

E 329,000

N 2,144,000

N 2,143,000

N 2,142,000

N 2,141,000

135

130

125

120

SW-2

MWB-17(D)
129.73

MWB-19(D)
119.68

MWB-7(D)
118.70

RETENTION POND

LEACHATE CONTAINMENT AREA

SW-1

MWB-12(D)
118.84

EXISTING DISPERSION POND

MWB-31(D)
137.00

SW-3

MWB-34(D)
117.07

EXISTING STORMWATER POND

MWB-32(D)
117.57

MWB-29(D)
133.36

MWB-27(D)
123.27

STORAGE AREA

400 0 400

SCALE FEET

LEGEND

— — —	PHASE BOUNDARY
● MWB-7(D)	DEEP MONITORING WELL
▲ SW-1	SURFACE WATER MONITORING POINT
— — —	POTENTIOMETRIC CONTOUR (FT. MSL)
117.21	GROUNDWATER ELEVATION (FT. MSL)

NOTES

1. WATER LEVELS MEASURED BY PROTECH ON 03/21/11.

REFERENCES

1. BASE MAP PROVIDED BY WASTE MANAGEMENT, INC. OF FLORIDA, DATE OF PHOTOGRAPHY 01/12/11.

2. MONITORING WELLS, SURFACE WATER MONITORING POINTS AND SITE FEATURES FROM GROUNDWATER CONTOUR MAPS BY HDR ENGINEERING, INC., DATED 07/20/10.

KEVIN B. SPROWL
LICENSED
PROFESSIONAL ENGINEER
STATE OF FLORIDA
11/9/11

Golder Associates
3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Tel: 770/496-1893 Fax: 770/934-9476
COA No. 1670

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	-	-	-	-		

PROJECT
WASTE MANAGEMENT
TRAIL RIDGE LANDFILL / JACKSONVILLE, FL

TITLE
AUGUST 2011
DEEP SURFICIAL AQUIFER POTENTIOMETRIC MAP

Golder Associates
Atlanta, Georgia

PROJECT No.		11390141	FILE No. 11390141-05 Deep 2011-08		
DESIGN	-	-	SCALE AS SHOWN	REV.	-
CADD	RJC	10/11	5		
CHECK	JLP	10/11			
REVIEW	KSB	10/11			

G:\Waste Management\11390141 Trail Ridge\Semi-Annual Pot Maps\2011-08\11390141-05 Deep 2011-08.dwg 10/28/2011 11:26 AM

APPENDIX A
INSTRUMENT CALIBRATION FIELD RECORDS

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HANNA HI 9828 INSTRUMENT # 725490

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 84 uS/cm PINE ENVIRONMENTAL EXP: DEC, 2011
Standard B 1413 uS/cm PINE ENVIRONMENTAL EXP: DEC, 2011
Standard C _____

DATE (yy/mm/dd)	TIME (hr:mm)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES / NO)	TYPE (INIT / CONT)	SAMPLER INITIALS
11-08-16	0615	A	84	AUTO CAL	-	YES	INIT	BR
11-08-16	0615	B	1413	"	-	YES	INIT	BR
11-08-17	0700	A	84	AUTO CAL	-	YES	CONT	BR
"	"	B	1413	"	-	YES	CONT	BR

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HF SCIENTIFIC MICRO TPW TPI INSTRUMENT # 108080

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1000 NTU HF SCIENTIFIC EXP: NOV-2011

Standard B 10.0 NTU HF SCIENTIFIC EXP: NOV-2011

Standard C 0.02 NTU HF SCIENTIFIC EXP: NOV-2011

DATE (yy-mm-dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	%DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	1000	AUTO CAL	-	YES	INIT	BR
"	"	B	10.0	"	-	YES	INIT	BR
"	"	C	0.02	"	-	YES	INIT	BR
11-08-17	0700	A	1000	AUTO CALIB	-	YES	CONT	SR
"	"	B	10.0	"	-	YES	CONT	BR
"	"	C	0.02	"	-	YES	CONT	BR

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HANNA HI 9828 INSTRUMENT # 725490

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A SATURATED AIR
Standard B _____
Standard C _____

DATE (yy-mm-dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED YES, NO?	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	8.294	8.23	0.06	Yes	INIT	BR
11-08-17	0700	A	8.279	8.22	0.06	Yes	CONT	BR

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HANNA HI 9828 INSTRUMENT # 725490

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A HANNA CAL. SOLUTION 7.01 (std) EXP: 04/2013
Standard B HANNA Cal Solution 4.01 (std) EXP: 04/2013
Standard C HANNA Cal Solution 10.01 (std) EXP: 04/2013

DATE (YY-MM-DD)	TIME (MILITARY)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV.	CALIBRATED (YES / NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	7.01	AutoCal	-	Yes	Init	BR
"	"	B	4.01	"	-	Yes	Init	BR
"	"	C	10.01	"	-	Yes	Init	BR
11-08-17	0700	A	7.01	AutoCal	-	Yes	Cont	BR
"	"	B	4.01	"	-	Yes	Cont	BR
"	"	C	10.01	"	-	Yes	Cont	BR

Table FS 2200-2
Dissolved Oxygen Saturation

TEMP	D.O.	mg/L	TEMP	D.O.	mg/L	TEMP	D.O.	mg/L	TEMP	D.O.	mg/L
deg C	SAT.	20%	deg C	SAT.	20%	deg C	SAT.	20%	deg C	SAT.	20%
15.0	10.084	2.017	19.0	9.276	1.855	23.0	8.578	1.716	27.0	7.968	1.594
15.1	10.062	2.012	19.1	9.258	1.852	23.1	8.562	1.712	27.1	7.954	1.591
15.2	10.040	2.008	19.2	9.239	1.848	23.2	8.546	1.709	27.2	7.940	1.588
15.3	10.019	2.004	19.3	9.220	1.844	23.3	8.530	1.706	27.3	7.926	1.585
15.4	9.997	1.999	19.4	9.202	1.840	23.4	8.514	1.703	27.4	7.912	1.582
15.5	9.976	1.995	19.5	9.184	1.837	23.5	8.498	1.700	27.5	7.898	1.580
15.6	9.955	1.991	19.6	9.165	1.833	23.6	8.482	1.696	27.6	7.884	1.577
15.7	9.934	1.987	19.7	9.147	1.829	23.7	8.466	1.693	27.7	7.870	1.574
15.8	9.912	1.982	19.8	9.129	1.826	23.8	8.450	1.690	27.8	7.856	1.571
15.9	9.891	1.978	19.9	9.111	1.822	23.9	8.434	1.687	27.9	7.842	1.568
16.0	9.870	1.974	20.0	9.092	1.818	24.0	8.418	1.684	28.0	7.828	1.566
16.1	9.849	1.970	20.1	9.074	1.815	24.1	8.403	1.681	28.1	7.814	1.563
16.2	9.829	1.966	20.2	9.056	1.811	24.2	8.387	1.677	28.2	7.800	1.560
16.3	9.808	1.962	20.3	9.039	1.808	24.3	8.371	1.674	28.3	7.786	1.557
16.4	9.787	1.957	20.4	9.021	1.804	24.4	8.356	1.671	28.4	7.773	1.555
16.5	9.767	1.953	20.5	9.003	1.801	24.5	8.340	1.668	28.5	7.759	1.552
16.6	9.746	1.949	20.6	8.985	1.797	24.6	8.325	1.665	28.6	7.745	1.549
16.7	9.726	1.945	20.7	8.968	1.794	24.7	8.309	1.662	28.7	7.732	1.546
16.8	9.705	1.941	20.8	8.950	1.790	24.8	8.294	1.659	28.8	7.718	1.544
16.9	9.685	1.937	20.9	8.932	1.786	24.9	8.279	1.656	28.9	7.705	1.541
17.0	9.665	1.933	21.0	8.915	1.783	25.0	8.263	1.653	29.0	7.691	1.538
17.1	9.645	1.929	21.1	8.898	1.780	25.1	8.248	1.650	29.1	7.678	1.535
17.2	9.625	1.925	21.2	8.880	1.776	25.2	8.233	1.647	29.2	7.664	1.533
17.3	9.605	1.921	21.3	8.863	1.773	25.3	8.218	1.644	29.3	7.651	1.530
17.4	9.585	1.917	21.4	8.846	1.769	25.4	8.203	1.641	29.4	7.638	1.528
17.5	9.565	1.913	21.5	8.829	1.766	25.5	8.188	1.638	29.5	7.625	1.525
17.6	9.545	1.909	21.6	8.812	1.762	25.6	8.173	1.635	29.6	7.611	1.522
17.7	9.526	1.905	21.7	8.794	1.759	25.7	8.158	1.632	29.7	7.598	1.520
17.8	9.506	1.901	21.8	8.777	1.755	25.8	8.143	1.629	29.8	7.585	1.517
17.9	9.486	1.897	21.9	8.761	1.752	25.9	8.128	1.626	29.9	7.572	1.514
18.0	9.467	1.893	22.0	8.744	1.749	26.0	8.114	1.623	30.0	7.559	1.512
18.1	9.448	1.890	22.1	8.727	1.745	26.1	8.099	1.620	30.1	7.546	1.509
18.2	9.428	1.886	22.2	8.710	1.742	26.2	8.084	1.617	30.2	7.533	1.507
18.3	9.409	1.882	22.3	8.693	1.739	26.3	8.070	1.614	30.3	7.520	1.504
18.4	9.390	1.878	22.4	8.677	1.735	26.4	8.055	1.611	30.4	7.507	1.501
18.5	9.371	1.874	22.5	8.660	1.732	26.5	8.040	1.608	30.5	7.494	1.499
18.6	9.352	1.870	22.6	8.644	1.729	26.6	8.026	1.605	30.6	7.481	1.496
18.7	9.333	1.867	22.7	8.627	1.725	26.7	8.012	1.602	30.7	7.468	1.494
18.8	9.314	1.863	22.8	8.611	1.722	26.8	7.997	1.599	30.8	7.456	1.491
18.9	9.295	1.859	22.9	8.595	1.719	26.9	7.983	1.597	30.9	7.443	1.489

Derived using the formula in Standard Methods for the Examination of Water and Wastewater, Page 4-101, 18th Edition, 1992

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HI9828 INSTRUMENT # 08103272

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A SATURATED AIR
Standard B _____
Standard C _____

DATE (yy/mm/dd)	TIME (military)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES / NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	8.263	8.22	0.04	YES	INIT	DM
11-08-17	0700	A	8.203	8.17	0.23	YES	CONT	DM

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HANNA HI9828 INSTRUMENT # 08103292

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER: _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A HANNA 7.01 (std) EXP: 04/2013
Standard B HANNA 4.01 (std) EXP: 04/2013
Standard C HANNA 10.01 (std) EXP: 04/2013

DATE (yy-mm-dd)	TIME (military)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	+/- DEV.	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	7.01	Auto Cal	-	Yes	INIT	DSA
"	"	B	4.01	"	-	Yes	INIT	DSA
"	"	C	10.01	"	-	Yes	INIT	DSA
11-08-17	0700	A	7.01	Auto Calib	-	Yes	CONT	DSA
"	"	B	4.01	"	-	Yes	CONT	DSA
"	"	C	10.01	"	-	Yes	CONT	DSA

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HF SCIENTIFIC MICRO TPI INSTRUMENT # 2007 10329

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1000 NTU HF SCIENTIFIC EXP: NOV-2011

Standard B 10.0 NTU HF SCIENTIFIC EXP: NOV-2011

Standard C 0.02 NTU HF SCIENTIFIC EXP: NOV-2011

DATE (mm/dd/yy)	TIME (military)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV.	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	1000	AUTO CAL	-	YES	INIT	DCA
"	"	B	10.0	"	-	YES	INIT	DCA
"	"	C	0.02	"	-	YES	INIT	DCA
11-08-17	0700	A	1000	AUTO CALIB	-	YES	CONT	DCA
"	"	B	10.0	"	-	YES	CONT	DCA
"	"	C	0.02	"	-	YES	CONT	DCA

DEP-SOP-001/01
FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HANNA HI 9828 INSTRUMENT # 08103272

PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 84 µS/cm PINE ENVIRONMENTAL EXP: DEC-2011
Standard B 1413 µS/cm PINE ENVIRONMENTAL EXP: DEC-2011
Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
11-08-16	0615	A	84	AUTO CAL	-	YES	INIT	DM
11-08-16	0615	B	1413	"	-	YES	INIT	DM
11-08-17	0700	A	84	AUTO CALIB	-	YES	CONT	DM
"	"	B	1413	"	-	YES	CONT	DM

APPENDIX B
LABORATORY ANALYTICAL REPORTS, CHAIN-OF-CUSTODY FORMS, AND GROUNDWATER COLLECTION FORMS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Tel: (850)878-3994

TestAmerica Job ID: 640-34899-1
Client Project/Site: Trail Ridge Landfill

For:
Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, Georgia 30341

Attn: Ms. Jennifer Pardy

Authorized for release by:
10/06/2011 02:52:18 PM

Amy Marks
Project Manager II
amy.marks@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J	Estimated value; value may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	Estimated value; value may not be accurate.

DIOXIN

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

General Chemistry

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
Q	Sample held beyond the accepted holding time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 640-34899-1

Laboratory: TestAmerica Tallahassee

Narrative

Job Narrative
640-34899-1

Comments
No additional comments.

Receipt
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels list Tank-6 and Comp-1. The COC lists LDSS and LCS. The notes on the COC associated Tank-6 with LDSS and Comp-1 with LCS. Samples were logged according to the container labels per client instruction.

All other samples were received in good condition within temperature requirements.

Field Service
Field data collected and provided by Professional Technical Services. Field logs are attached.

GC/MS VOA
Method 8260C: One surrogate out of three was outside control limits for the following sample: COMP-1 (640-34899-2). The affected surrogate recovery is flagged "J". This sample was re-analyzed at a dilution of 1:100 with passing surrogates and comparable results.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 84167 were outside control limits for Acrolein and Acrylonitrile. Associated results are qualified "J". All other accuracy and precision criteria were met.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 84171 were outside control limits for the following analytes: Acrylonitrile, 3-Chloro-1-propene, Ethyl methacrylate, Methyl methacrylate and trans-1,4-Dichloro-2-butene. Associated results are qualified "J". All other accuracy and precision criteria were met.

Method 8260C: The laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) for batch 84172 were outside control limits for Acrolein. Associated results are qualified "J". All other accuracy and precision criteria were met.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification standard (CCV) for batch 84302 recovered outside the lower limit of method criteria for the following analytes: N-Nitrosodimethylamine, Benzyl alcohol and 4-Chloroaniline. These target analytes were not detected in the method blank or in any of the associated samples. A standard was analyzed at the PQL with this batch and all analytes were detected.

Method 8270D: Surrogate recovery for the following sample(s) was outside control limits: TANK-6 (640-34899-1), (640-34899-1 MS), (640-34899-1 MSD). Evidence of matrix interference is present; therefore, re-extraction was not performed. The affected surrogate recoveries are flagged "J".

Method 8270D: The laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) for batch 84139 were outside control limits for Benzyl alcohol. Associated results are qualified "J". All other accuracy and precision criteria were met.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) performed on sample TANK-6 (640-34899-1) in batch 84139 were outside control limits. The associated LCS/LCSD met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8081B/8082A: The following samples required a Florisil clean-up to reduce matrix interferences: COMP-1 (640-34899-2), TANK-6 (640-34899-1).

Method 8081B/8082A: The following samples required a copper clean-up to reduce matrix interferences caused by sulfur: COMP-1 (640-34899-2), TANK-6 (640-34899-1).

Job ID: 640-34899-1 (Continued)

Laboratory: TestAmerica Tallahassee (Continued)

Method 8081B/8082A: The following sample was diluted due to the nature of the sample matrix: TANK-6 (640-34899-1). Elevated reporting limits (RLs) are provided.

Method 8151A: A reduced volume (100mL) of sample was extracted for Herbicides for the following samples due to the viscosity and dark color of the samples: COMP-1 (640-34899-2), TANK-6 (640-34899-1).

Method 8081B/8082A: Three surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: COMP-1 (640-34899-2), (640-34899-2 MS), (640-34899-2 MSD). The affected surrogate recoveries are flagged "J".

Method 8141B: Surrogate recovery for the following samples were outside control limits: (640-34899-2 MS), (640-34899-2 MSD), COMP-1 (640-34899-2). Evidence of matrix interference is present; therefore, re-extraction was not performed. The affected surrogate recoveries are flagged "J".

Method 8151A: Due to the level of dilution required for the following sample, the surrogate could not be recovered: COMP-1 (640-34899-2). The affected surrogate recovery is flagged "J".

Method 8151A: The surrogate recovery for the following sample was outside control limits: TANK-6 (640-34899-1). Evidence of matrix interference is present; therefore, re-extraction was not performed. The affected surrogate recovery is flagged "J".

Method 8081B/8082A: The precision (RPD) of the LCS and LCSD in batch 84165 was outside control limits for PCB-1016 and PCB-1260. Associated results are qualified "J". All other accuracy and precision criteria were met.

Method 8081B/8082A: The matrix spike / matrix spike duplicate (MS/MSD) performed on sample COMP-1 (640-34899-2) in batch 84165 were outside control limits. Affected analytes are flagged "J" in the MS/MSD. The associated LCS/LCSD met acceptance criteria.

Method 8141B: The matrix spike / matrix spike duplicate (MS/MSD) performed on sample COMP-1 (640-34899-2) in batch 84165 were outside control limits. Affected analytes are flagged "J" in the MS/MSD. The associated LCS/LCSD met acceptance criteria.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method SM 2540C: The following samples were analyzed outside of analytical holding time for Total Dissolved Solids: COMP-1 (640-34899-2), TANK-6 (640-34899-1). Results are qualified "Q" to indicate analysis outside of the 7-day time frame.

Method SM 4500 S2 F: The following sample was diluted due to the nature of the sample matrix: TANK-6 (640-34899-1). Elevated reporting limits (RLs) are provided.

Method 353.2: Samples in analytical batch 84230 are associated with the QC in analytical batch 84229.

No other analytical or quality issues were noted.

Detection Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: TANK-6 — Lab Sample ID: 640-34899-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.42	I	1.0	0.23	ug/L	1		8260C	Total/NA
Xylenes, Total	0.78	I	2.0	0.68	ug/L	1		8260C	Total/NA
Acetophenone	2.6	I	10	0.80	ug/L	1		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	16		10	0.65	ug/L	1		8270D	Total/NA
1,4-Dichlorobenzene	0.64	I	10	0.39	ug/L	1		8270D	Total/NA
Dimethyl phthalate	4.3	I	10	1.1	ug/L	1		8270D	Total/NA
4,4'-DDD	0.0078	I	0.19	0.0017	ug/L	2		8081B/8082A	Total/NA
delta-BHC	0.023	I	0.094	0.0055	ug/L	2		8081B/8082A	Total/NA
Endrin aldehyde	0.024	I	0.19	0.0015	ug/L	2		8081B/8082A	Total/NA
Methoxychlor	0.096	I	0.94	0.0040	ug/L	2		8081B/8082A	Total/NA
4,4'-DDT	0.021	I	0.19	0.0066	ug/L	2		8081B/8082A	Total/NA
Dieldrin	0.0071	I	0.19	0.0015	ug/L	2		8081B/8082A	Total/NA
Heptachlor	0.093	I	0.094	0.0028	ug/L	2		8081B/8082A	Total/NA
Thionazin	0.12	I	0.94	0.058	ug/L	1		8141B	Total/NA
Silvex (2,4,5-TP)	0.72	I	5.0	0.62	ug/L	1		8151A	Total/NA
Iron	6300		50	24	ug/L	1		6010B	Total Recovera
Sodium	970		100	28	mg/L	100		6010B	Total Recovera
Antimony	73		5.0	2.3	ug/L	1		6020	Total Recovera
Arsenic	34		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	250		5.0	1.3	ug/L	1		6020	Total Recovera
Cadmium	0.74		0.50	0.095	ug/L	1		6020	Total Recovera
Chromium	37		5.0	2.5	ug/L	1		6020	Total Recovera
Cobalt	33		0.50	0.15	ug/L	1		6020	Total Recovera
Copper	830		5.0	1.1	ug/L	1		6020	Total Recovera
Lead	66		1.5	0.20	ug/L	1		6020	Total Recovera
Nickel	140		5.0	2.0	ug/L	1		6020	Total Recovera
Selenium	2.3	I	2.5	1.0	ug/L	1		6020	Total Recovera
Silver	0.31	I	1.0	0.25	ug/L	1		6020	Total Recovera
Tin	4.7	I	5.0	1.3	ug/L	1		6020	Total Recovera
Vanadium	21		10	3.8	ug/L	1		6020	Total Recovera
Zinc	270		20	8.3	ug/L	1		6020	Total Recovera
Mercury	1.3		0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	1400		100	3.6	mg/L	100		300.0	Total/NA
Ammonia	86		2.0	0.43	mg/L	100		350.1	Total/NA
Nitrate Nitrite as N	61		0.40	0.19	mg/L	40		353.2	Total/NA
Bicarbonate Alkalinity as CaCO3	630		1.0	0.39	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	4600	Q	40	18	mg/L	1		SM 2540C	Total/NA
Cyanide, Total	0.040		0.010	0.0025	mg/L	1		SM 4500 CN E	Total/NA
Field pH	7.86				SU	1		Field Sampling	Total/NA
Field Temperature	32.5				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	6757				umhos/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Color	Amber				PCU	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA

Client Sample ID: COMP-1 — Lab Sample ID: 640-34899-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetonitrile	140	I	200	42	ug/L	1		8260C	Total/NA
Benzene	2.2		1.0	0.28	ug/L	1		8260C	Total/NA
Chlorobenzene	1.1		1.0	0.27	ug/L	1		8260C	Total/NA
Ethylbenzene	15		1.0	0.25	ug/L	1		8260C	Total/NA
Isobutyl alcohol	150	I	200	52	ug/L	1		8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	52		10	2.2	ug/L	1		8260C	Total/NA

Detection Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: COMP-1 (Continued) — Lab Sample ID: 640-34899-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	26		2.0	0.45	ug/L	1		8260C	Total/NA
o-Xylene	13		1.0	0.23	ug/L	1		8260C	Total/NA
Propionitrile	14	I	20	4.7	ug/L	1		8260C	Total/NA
Toluene	20		1.0	0.24	ug/L	1		8260C	Total/NA
Xylenes, Total	39		2.0	0.68	ug/L	1		8260C	Total/NA
Acetone - DL	5200		2500	300	ug/L	100		8260C	Total/NA
2-Butanone (MEK) - DL	5500		1000	300	ug/L	100		8260C	Total/NA
3 & 4 Methylphenol - DL	1200		400	30	ug/L	40		8270D	Total/NA
Phenol - DL	2400		400	28	ug/L	40		8270D	Total/NA
1,2-Dibromo-3-Chloropropane	0.031		0.019	0.0057	ug/L	1		8011	Total/NA
alpha-BHC	0.0066	I	0.047	0.0028	ug/L	1		8081B/8082A	Total/NA
beta-BHC	0.019	I	0.047	0.0038	ug/L	1		8081B/8082A	Total/NA
delta-BHC	0.0063	I	0.047	0.0027	ug/L	1		8081B/8082A	Total/NA
Methoxychlor	0.021	I	0.47	0.0020	ug/L	1		8081B/8082A	Total/NA
4,4'-DDT	0.011	I	0.094	0.0033	ug/L	1		8081B/8082A	Total/NA
Dieldrin	0.0010	I	0.094	0.00074	ug/L	1		8081B/8082A	Total/NA
Iron	71000		50	24	ug/L	1		6010B	Total Recovera
Sodium	2600		100	28	mg/L	100		6010B	Total Recovera
Antimony	62		5.0	2.3	ug/L	1		6020	Total Recovera
Arsenic	330		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	190		5.0	1.3	ug/L	1		6020	Total Recovera
Cadmium	0.42	I	0.50	0.095	ug/L	1		6020	Total Recovera
Chromium	260		5.0	2.5	ug/L	1		6020	Total Recovera
Cobalt	63		0.50	0.15	ug/L	1		6020	Total Recovera
Copper	15		5.0	1.1	ug/L	1		6020	Total Recovera
Lead	2.4		1.5	0.20	ug/L	1		6020	Total Recovera
Nickel	300		5.0	2.0	ug/L	1		6020	Total Recovera
Selenium	4.1		2.5	1.0	ug/L	1		6020	Total Recovera
Silver	0.66	I	1.0	0.25	ug/L	1		6020	Total Recovera
Tin	67		5.0	1.3	ug/L	1		6020	Total Recovera
Vanadium	140		10	3.8	ug/L	1		6020	Total Recovera
Zinc	530		20	8.3	ug/L	1		6020	Total Recovera
Mercury	0.37		0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	2700		100	3.6	mg/L	100		300.0	Total/NA
Ammonia	1300		20	4.3	mg/L	1000		350.1	Total/NA
Nitrate Nitrite as N	0.31		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.31		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	12000	Q	100	46	mg/L	1		SM 2540C	Total/NA
Cyanide, Total	0.022		0.010	0.0025	mg/L	1		SM 4500 CN E	Total/NA
Sulfide	20		10	10	mg/L	1		SM 4500 S2 F	Total/NA
Field pH	7.29				SU	1		Field Sampling	Total/NA
Field Temperature	35.9				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	20590				umhos/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.1				mg/L	1		Field Sampling	Total/NA
Color	Black				PCU	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank 05 — Lab Sample ID: 640-34899-3

No Detections

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: TANK-6
Date Collected: 08/17/11 12:01
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/22/11 23:54	1
Acetonitrile	42	U	200	42	ug/L			08/22/11 23:54	1
Acrolein	7.5	U	20	7.5	ug/L			08/22/11 23:54	1
Acrylonitrile	5.1	U J	20	5.1	ug/L			08/22/11 23:54	1
Benzene	0.28	U	1.0	0.28	ug/L			08/22/11 23:54	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/22/11 23:54	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/22/11 23:54	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/22/11 23:54	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/22/11 23:54	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/22/11 23:54	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/22/11 23:54	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/22/11 23:54	1
2-Chloro-1,3-butadiene	0.24	U	1.0	0.24	ug/L			08/22/11 23:54	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/22/11 23:54	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/22/11 23:54	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/22/11 23:54	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/22/11 23:54	1
3-Chloro-1-propene	0.25	U J	1.0	0.25	ug/L			08/22/11 23:54	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/22/11 23:54	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/22/11 23:54	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/22/11 23:54	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/22/11 23:54	1
Dichlorodifluoromethane	0.55	U	1.0	0.55	ug/L			08/22/11 23:54	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/22/11 23:54	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/22/11 23:54	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/22/11 23:54	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 23:54	1
1,3-Dichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 23:54	1
2,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 23:54	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			08/22/11 23:54	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/22/11 23:54	1
Ethyl methacrylate	0.28	U J	1.0	0.28	ug/L			08/22/11 23:54	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/22/11 23:54	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/22/11 23:54	1
Isobutyl alcohol	52	U	200	52	ug/L			08/22/11 23:54	1
Methacrylonitrile	4.2	U	20	4.2	ug/L			08/22/11 23:54	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/22/11 23:54	1
Methyl methacrylate	0.19	U J	1.0	0.19	ug/L			08/22/11 23:54	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/22/11 23:54	1
m-Xylene & p-Xylene	0.45	U	2.0	0.45	ug/L			08/22/11 23:54	1
o-Xylene	**0.42**	**I**	1.0	0.23	ug/L			08/22/11 23:54	1
Propionitrile	4.7	U	20	4.7	ug/L			08/22/11 23:54	1
Styrene	0.22	U	1.0	0.22	ug/L			08/22/11 23:54	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/22/11 23:54	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/22/11 23:54	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/22/11 23:54	1
Toluene	0.24	U	1.0	0.24	ug/L			08/22/11 23:54	1
trans-1,4-Dichloro-2-butene	0.47	U J	2.0	0.47	ug/L			08/22/11 23:54	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/22/11 23:54	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/22/11 23:54	1

Client Sample ID: TANK-6
Date Collected: 08/17/11 12:01
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/22/11 23:54	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/22/11 23:54	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/22/11 23:54	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/22/11 23:54	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 23:54	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/22/11 23:54	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/22/11 23:54	1
Xylenes, Total	**0.78**	**I**	2.0	0.68	ug/L			08/22/11 23:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*85 - 113*		*08/22/11 23:54*	*1*
Dibromofluoromethane	*97*		*82 - 114*		*08/22/11 23:54*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/22/11 23:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.70	U	10	0.70	ug/L		08/22/11 16:15	08/24/11 20:02	1
Acenaphthylene	0.85	U	10	0.85	ug/L		08/22/11 16:15	08/24/11 20:02	1
Acetophenone	**2.6**	**I**	10	0.80	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Acetylaminofluorene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Aminobiphenyl	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:02	1
Anthracene	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 20:02	1
Benzo[a]anthracene	0.85	U	10	0.85	ug/L		08/22/11 16:15	08/24/11 20:02	1
Benzo[b]fluoranthene	0.98	U	10	0.98	ug/L		08/22/11 16:15	08/24/11 20:02	1
Benzo[k]fluoranthene	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		08/22/11 16:15	08/24/11 20:02	1
Benzo[a]pyrene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
Benzyl alcohol	0.78	U J	10	0.78	ug/L		08/22/11 16:15	08/24/11 20:02	1
Bis(2-chloroethoxy)methane	0.72	U	10	0.72	ug/L		08/22/11 16:15	08/24/11 20:02	1
Bis(2-chloroethyl)ether	0.59	U	10	0.59	ug/L		08/22/11 16:15	08/24/11 20:02	1
Bis(2-ethylhexyl) phthalate	**16**		10	0.65	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Bromophenyl phenyl ether	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 20:02	1
Butyl benzyl phthalate	0.89	U	10	0.89	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Chloroaniline	0.68	U	20	0.68	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Chloro-3-methylphenol	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Chlorophenol	0.52	U	10	0.52	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Chlorophenyl phenyl ether	0.88	U	10	0.88	ug/L		08/22/11 16:15	08/24/11 20:02	1
Chrysene	0.95	U	10	0.95	ug/L		08/22/11 16:15	08/24/11 20:02	1
Diallate	0.46	U	10	0.46	ug/L		08/22/11 16:15	08/24/11 20:02	1
Dibenz(a,h)anthracene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:02	1
Dibenzofuran	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 20:02	1
Di-n-butyl phthalate	1.7	U	10	1.7	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,2-Dichlorobenzene	0.44	U	10	0.44	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,3-Dichlorobenzene	0.42	U	10	0.42	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,4-Dichlorobenzene	**0.64**	**I**	10	0.39	ug/L		08/22/11 16:15	08/24/11 20:02	1
3,3'-Dichlorobenzidine	0.75	U	20	0.75	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,4-Dichlorophenol	0.72	U	10	0.72	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,6-Dichlorophenol	0.86	U	10	0.86	ug/L		08/22/11 16:15	08/24/11 20:02	1
Diethyl phthalate	1.4	U	10	1.4	ug/L		08/22/11 16:15	08/24/11 20:02	1
p-Dimethylamino azobenzene	0.39	U	10	0.39	ug/L		08/22/11 16:15	08/24/11 20:02	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: TANK-6
Date Collected: 08/17/11 12:01
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,12-Dimethylbenz(a)anthracene	0.34	U	10	0.34	ug/L		08/22/11 16:15	08/24/11 20:02	1
3,3'-Dimethylbenzidine	3.0	U	20	3.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,4-Dimethylphenol	0.75	U	10	0.75	ug/L		08/22/11 16:15	08/24/11 20:02	1
Dimethyl phthalate	**4.3**	**I**	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,3-Dinitrobenzene	1.7	U	50	1.7	ug/L		08/22/11 16:15	08/24/11 20:02	1
4,6-Dinitro-2-methylphenol	0.96	U	50	0.96	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,4-Dinitrophenol	3.9	U	50	3.9	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,4-Dinitrotoluene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,6-Dinitrotoluene	0.88	U	10	0.88	ug/L		08/22/11 16:15	08/24/11 20:02	1
Dinoseb	0.98	U	10	0.98	ug/L		08/22/11 16:15	08/24/11 20:02	1
Di-n-octyl phthalate	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:02	1
Ethyl methanesulfonate	0.92	U	10	0.92	ug/L		08/22/11 16:15	08/24/11 20:02	1
Fluoranthene	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 20:02	1
Fluorene	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
Hexachlorobenzene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:02	1
Hexachlorobutadiene	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 20:02	1
Hexachlorocyclopentadiene	0.21	U	10	0.21	ug/L		08/22/11 16:15	08/24/11 20:02	1
Hexachloroethane	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 20:02	1
Hexachloropropene	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 20:02	1
Indeno[1,2,3-cd]pyrene	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 20:02	1
Isophorone	0.81	U	10	0.81	ug/L		08/22/11 16:15	08/24/11 20:02	1
Isosafrole	0.90	U	10	0.90	ug/L		08/22/11 16:15	08/24/11 20:02	1
Kepone	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 20:02	1
Methapyrilene	1.0	U	2000	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
3-Methylcholanthrene	0.61	U	10	0.61	ug/L		08/22/11 16:15	08/24/11 20:02	1
Methyl methanesulfonate	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Methylnaphthalene	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Methylphenol	0.78	U	10	0.78	ug/L		08/22/11 16:15	08/24/11 20:02	1
3 & 4 Methylphenol	0.76	U	10	0.76	ug/L		08/22/11 16:15	08/24/11 20:02	1
Naphthalene	0.57	U	10	0.57	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,4-Naphthoquinone	0.34	U	10	0.34	ug/L		08/22/11 16:15	08/24/11 20:02	1
1-Naphthylamine	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Naphthylamine	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Nitroaniline	0.84	U	50	0.84	ug/L		08/22/11 16:15	08/24/11 20:02	1
3-Nitroaniline	1.4	U	50	1.4	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Nitroaniline	1.2	U	50	1.2	ug/L		08/22/11 16:15	08/24/11 20:02	1
Nitrobenzene	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 20:02	1
2-Nitrophenol	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:02	1
4-Nitrophenol	1.3	U	50	1.3	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitro-o-toluidine	0.74	U	10	0.74	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosodiethylamine	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosodimethylamine	3.1	U	10	3.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosodi-n-butylamine	0.66	U	10	0.66	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosodi-n-propylamine	0.82	U	10	0.82	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosodiphenylamine	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosomethylethylamine	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosopiperidine	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
N-Nitrosopyrrolidine	0.70	U	10	0.70	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,2'-oxybis[1-chloropropane]	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 20:02	1
Pentachlorobenzene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1

Client Sample ID: TANK-6
Date Collected: 08/17/11 12:01
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachloronitrobenzene	0.54	U	10	0.54	ug/L		08/22/11 16:15	08/24/11 20:02	1
Pentachlorophenol	1.1	U	50	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
Phenacetin	0.53	U	10	0.53	ug/L		08/22/11 16:15	08/24/11 20:02	1
Phenanthrene	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 20:02	1
Phenol	0.69	U	10	0.69	ug/L		08/22/11 16:15	08/24/11 20:02	1
p-Phenylene diamine	500	U	2000	500	ug/L		08/22/11 16:15	08/24/11 20:02	1
Pronamide	0.35	U	10	0.35	ug/L		08/22/11 16:15	08/24/11 20:02	1
Pyrene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:02	1
Safrole, Total	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,2,4,5-Tetrachlorobenzene	0.90	U	10	0.90	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,3,4,6-Tetrachlorophenol	3.8	U	10	3.8	ug/L		08/22/11 16:15	08/24/11 20:02	1
o-Toluidine	0.64	U	10	0.64	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,2,4-Trichlorobenzene	0.51	U	10	0.51	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,4,5-Trichlorophenol	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:02	1
2,4,6-Trichlorophenol	0.93	U	10	0.93	ug/L		08/22/11 16:15	08/24/11 20:02	1
o,o',o''-Triethylphosphorothioate	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 20:02	1
1,3,5-Trinitrobenzene	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*67*		*39 - 123*	*08/22/11 16:15*	*08/24/11 20:02*	*1*
2-Fluorobiphenyl	*41*		*31 - 113*	*08/22/11 16:15*	*08/24/11 20:02*	*1*
Terphenyl-d14	*14*		*10 - 138*	*08/22/11 16:15*	*08/24/11 20:02*	*1*
Phenol-d5	*0*	*J*	*23 - 123*	*08/22/11 16:15*	*08/24/11 20:02*	*1*
2-Fluorophenol	*0*	*J*	*27 - 111*	*08/22/11 16:15*	*08/24/11 20:02*	*1*
2,4,6-Tribromophenol	*0*	*J*	*42 - 128*	*08/22/11 16:15*	*08/24/11 20:02*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		08/22/11 14:35	08/23/11 23:51	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		08/22/11 14:35	08/23/11 23:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*83*		*56 - 144*	*08/22/11 14:35*	*08/23/11 23:51*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.0078**	**I**	0.19	0.0017	ug/L		08/23/11 14:00	09/09/11 10:48	2
4,4'-DDE	0.0019	U	0.19	0.0019	ug/L		08/23/11 14:00	09/09/11 10:48	2
alpha-BHC	0.0057	U	0.094	0.0057	ug/L		08/23/11 14:00	09/09/11 10:48	2
beta-BHC	0.0075	U	0.094	0.0075	ug/L		08/23/11 14:00	09/09/11 10:48	2
Chlordane (technical)	0.18	U	0.94	0.18	ug/L		08/23/11 14:00	09/09/11 10:48	2
delta-BHC	**0.023**	**I**	0.094	0.0055	ug/L		08/23/11 14:00	09/09/11 10:48	2
Endosulfan I	0.0018	U	0.094	0.0018	ug/L		08/23/11 14:00	09/09/11 10:48	2
Endosulfan II	0.0034	U	0.19	0.0034	ug/L		08/23/11 14:00	09/09/11 10:48	2
Endosulfan sulfate	0.0053	U	0.19	0.0053	ug/L		08/23/11 14:00	09/09/11 10:48	2
Endrin aldehyde	**0.024**	**I**	0.19	0.0015	ug/L		08/23/11 14:00	09/09/11 10:48	2
Chlorobenzilate	0.10	U	0.94	0.10	ug/L		08/23/11 14:00	09/09/11 10:48	2
Heptachlor epoxide	0.0025	U	0.094	0.0025	ug/L		08/23/11 14:00	09/09/11 10:48	2
Isodrin	0.015	U	0.094	0.015	ug/L		08/23/11 14:00	09/09/11 10:48	2
Methoxychlor	**0.096**	**I**	0.94	0.0040	ug/L		08/23/11 14:00	09/09/11 10:48	2
PCB-1016	0.32	U J	1.9	0.32	ug/L		08/23/11 14:00	09/09/11 10:48	2

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: TANK-6
Date Collected: 08/17/11 12:01
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-1
Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	0.34	U	3.8	0.34	ug/L		08/23/11 14:00	09/09/11 10:48	2
PCB-1232	0.23	U	1.9	0.23	ug/L		08/23/11 14:00	09/09/11 10:48	2
PCB-1242	0.18	U	1.9	0.18	ug/L		08/23/11 14:00	09/09/11 10:48	2
PCB-1248	0.23	U	1.9	0.23	ug/L		08/23/11 14:00	09/09/11 10:48	2
PCB-1254	0.19	U	1.9	0.19	ug/L		08/23/11 14:00	09/09/11 10:48	2
PCB-1260	0.16	U J	1.9	0.16	ug/L		08/23/11 14:00	09/09/11 10:48	2
Toxaphene	0.45	U	9.4	0.45	ug/L		08/23/11 14:00	09/09/11 10:48	2
4,4'-DDT	**0.021**	**I**	0.19	0.0066	ug/L		08/23/11 14:00	09/09/11 10:48	2
Aldrin	0.0025	U	0.094	0.0025	ug/L		08/23/11 14:00	09/09/11 10:48	2
Dieldrin	**0.0071**	**I**	0.19	0.0015	ug/L		08/23/11 14:00	09/09/11 10:48	2
Endrin	0.0012	U	0.19	0.0012	ug/L		08/23/11 14:00	09/09/11 10:48	2
gamma-BHC (Lindane)	0.0021	U	0.094	0.0021	ug/L		08/23/11 14:00	09/09/11 10:48	2
Heptachlor	**0.093**	**I**	0.094	0.0028	ug/L		08/23/11 14:00	09/09/11 10:48	2

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*14*		*10 - 120*	*08/23/11 14:00*	*09/09/11 10:48*	*2*
Dibutylchlorendate	*13*		*10 - 130*	*08/23/11 14:00*	*09/09/11 10:48*	*2*
Tetrachloro-m-xylene	*15*		*10 - 110*	*08/23/11 14:00*	*09/09/11 10:48*	*2*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.30	U	1.9	0.30	ug/L		08/23/11 14:00	08/26/11 17:41	1
Disulfoton	0.11	U	1.9	0.11	ug/L		08/23/11 14:00	08/26/11 17:41	1
Famphur	0.10	U	1.9	0.10	ug/L		08/23/11 14:00	08/26/11 17:41	1
Methyl parathion	0.11	U	0.47	0.11	ug/L		08/23/11 14:00	08/26/11 17:41	1
Ethyl Parathion	0.075	U	0.94	0.075	ug/L		08/23/11 14:00	08/26/11 17:41	1
Phorate	0.15	U	0.94	0.15	ug/L		08/23/11 14:00	08/26/11 17:41	1
Thionazin	**0.12**	**I**	0.94	0.058	ug/L		08/23/11 14:00	08/26/11 17:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate (TPP)	*39*		*37 - 139*	*08/23/11 14:00*	*08/26/11 17:41*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.37	U	5.0	0.37	ug/L		08/22/11 08:11	08/23/11 22:33	1
2,4,5-T	0.62	U	5.0	0.62	ug/L		08/22/11 08:11	08/23/11 22:33	1
Silvex (2,4,5-TP)	**0.72**	**I**	5.0	0.62	ug/L		08/22/11 08:11	08/23/11 22:33	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*180*	*J*	*52 - 151*	*08/22/11 08:11*	*08/23/11 22:33*	*1*

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Analyte	Result	Qualifier	PQL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	3.1	U	10	8.0	pg/L		08/26/11 16:00	09/02/11 22:47	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
37Cl4-2,3,7,8-TCDD	*85*		*42 - 164*	*08/26/11 16:00*	*09/02/11 22:47*	*1*

Internal Standard	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*54*		*31 - 137*	*08/26/11 16:00*	*09/02/11 22:47*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: TANK-6
Date Collected: 08/17/11 12:01
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-1
Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	6300		50	24	ug/L		08/24/11 14:06	08/26/11 03:05	1
Sodium	970		100	28	mg/L		08/24/11 14:06	08/26/11 11:58	100

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	73		5.0	2.3	ug/L		08/24/11 11:00	08/29/11 01:52	1
Arsenic	34		2.5	1.3	ug/L		08/24/11 11:00	08/29/11 01:52	1
Barium	250		5.0	1.3	ug/L		08/24/11 11:00	08/29/11 01:52	1
Beryllium	0.25	U	0.50	0.25	ug/L		08/24/11 11:00	08/29/11 01:52	1
Cadmium	0.74		0.50	0.095	ug/L		08/24/11 11:00	08/29/11 01:52	1
Chromium	37		5.0	2.5	ug/L		08/24/11 11:00	08/29/11 01:52	1
Cobalt	33		0.50	0.15	ug/L		08/24/11 11:00	08/29/11 01:52	1
Copper	830		5.0	1.1	ug/L		08/24/11 11:00	08/29/11 01:52	1
Lead	66		1.5	0.20	ug/L		08/24/11 11:00	08/26/11 11:41	1
Nickel	140		5.0	2.0	ug/L		08/24/11 11:00	08/29/11 01:52	1
Selenium	2.3	I	2.5	1.0	ug/L		08/24/11 11:00	08/29/11 01:52	1
Silver	0.31	I	1.0	0.25	ug/L		08/24/11 11:00	08/29/11 01:52	1
Thallium	0.50	U	1.0	0.50	ug/L		08/24/11 11:00	08/29/11 01:52	1
Tin	4.7	I	5.0	1.3	ug/L		08/24/11 11:00	08/29/11 01:52	1
Vanadium	21		10	3.8	ug/L		08/24/11 11:00	08/29/11 01:52	1
Zinc	270		20	8.3	ug/L		08/24/11 11:00	08/29/11 01:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.3		0.20	0.091	ug/L		08/24/11 09:35	08/24/11 14:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		100	3.6	mg/L			09/07/11 08:58	100
Ammonia	86		2.0	0.43	mg/L			08/22/11 15:24	100
Nitrate Nitrite as N	61		0.40	0.19	mg/L			08/24/11 14:11	40
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/24/11 14:30	1
Bicarbonate Alkalinity as CaCO3	630		1.0	0.39	mg/L			08/26/11 02:52	1
Total Dissolved Solids	4600	Q	40	18	mg/L			08/29/11 14:48	1
Cyanide, Total	0.040		0.010	0.0025	mg/L		08/23/11 07:45	08/24/11 08:05	1
Sulfide	10	U	10	10	mg/L			08/24/11 12:21	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.86				SU			08/17/11 12:01	1
Field Temperature	32.5				Degrees C			08/17/11 12:01	1
Specific Conductance	6757				umhos/cm			08/17/11 12:01	1
Oxygen, Dissolved	0.2				mg/L			08/17/11 12:01	1
Color	Amber				PCU			08/17/11 12:01	1
Sheen	None				NONE			08/17/11 12:01	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	**140**	**I**	200	42	ug/L			08/23/11 00:20	1
Acrolein	7.5	U	20	7.5	ug/L			08/23/11 00:20	1
Acrylonitrile	5.1	U J	20	5.1	ug/L			08/23/11 00:20	1
Benzene	**2.2**		1.0	0.28	ug/L			08/23/11 00:20	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 00:20	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 00:20	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 00:20	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 00:20	1
Chlorobenzene	**1.1**		1.0	0.27	ug/L			08/23/11 00:20	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 00:20	1
2-Chloro-1,3-butadiene	0.24	U	1.0	0.24	ug/L			08/23/11 00:20	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 00:20	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 00:20	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 00:20	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 00:20	1
3-Chloro-1-propene	0.25	U J	1.0	0.25	ug/L			08/23/11 00:20	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 00:20	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 00:20	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 00:20	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 00:20	1
Dichlorodifluoromethane	0.55	U	1.0	0.55	ug/L			08/23/11 00:20	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 00:20	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 00:20	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 00:20	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 00:20	1
1,3-Dichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 00:20	1
2,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 00:20	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			08/23/11 00:20	1
Ethylbenzene	**15**		1.0	0.25	ug/L			08/23/11 00:20	1
Ethyl methacrylate	0.28	U J	1.0	0.28	ug/L			08/23/11 00:20	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 00:20	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 00:20	1
Isobutyl alcohol	**150**	**I**	200	52	ug/L			08/23/11 00:20	1
Methacrylonitrile	4.2	U	20	4.2	ug/L			08/23/11 00:20	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 00:20	1
Methyl methacrylate	0.19	U J	1.0	0.19	ug/L			08/23/11 00:20	1
4-Methyl-2-pentanone (MIBK)	**52**		10	2.2	ug/L			08/23/11 00:20	1
m-Xylene & p-Xylene	**26**		2.0	0.45	ug/L			08/23/11 00:20	1
o-Xylene	**13**		1.0	0.23	ug/L			08/23/11 00:20	1
Propionitrile	**14**	**I**	20	4.7	ug/L			08/23/11 00:20	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 00:20	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 00:20	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 00:20	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 00:20	1
Toluene	**20**		1.0	0.24	ug/L			08/23/11 00:20	1
trans-1,4-Dichloro-2-butene	0.47	U J	2.0	0.47	ug/L			08/23/11 00:20	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 00:20	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 00:20	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 00:20	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 00:20	1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 00:20	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 00:20	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 00:20	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 00:20	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 00:20	1
Xylenes, Total	**39**		2.0	0.68	ug/L			08/23/11 00:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*85 - 113*		*08/23/11 00:20*	*1*
Dibromofluoromethane	*69*	*J*	*82 - 114*		*08/23/11 00:20*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/23/11 00:20*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5200**		2500	300	ug/L			08/23/11 14:38	100
2-Butanone (MEK)	**5500**		1000	300	ug/L			08/23/11 14:38	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*85 - 113*		*08/23/11 14:38*	*100*
Dibromofluoromethane	*101*		*82 - 114*		*08/23/11 14:38*	*100*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/23/11 14:38*	*100*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.70	U	10	0.70	ug/L		08/22/11 16:15	08/24/11 20:31	1
Acenaphthylene	0.85	U	10	0.85	ug/L		08/22/11 16:15	08/24/11 20:31	1
Acetophenone	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Acetylaminofluorene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Aminobiphenyl	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:31	1
Anthracene	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 20:31	1
Benzo[a]anthracene	0.85	U	10	0.85	ug/L		08/22/11 16:15	08/24/11 20:31	1
Benzo[b]fluoranthene	0.98	U	10	0.98	ug/L		08/22/11 16:15	08/24/11 20:31	1
Benzo[k]fluoranthene	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		08/22/11 16:15	08/24/11 20:31	1
Benzo[a]pyrene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
Benzyl alcohol	0.78	U J	10	0.78	ug/L		08/22/11 16:15	08/24/11 20:31	1
Bis(2-chloroethoxy)methane	0.72	U	10	0.72	ug/L		08/22/11 16:15	08/24/11 20:31	1
Bis(2-chloroethyl)ether	0.59	U	10	0.59	ug/L		08/22/11 16:15	08/24/11 20:31	1
Bis(2-ethylhexyl) phthalate	0.65	U	10	0.65	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Bromophenyl phenyl ether	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 20:31	1
Butyl benzyl phthalate	0.89	U	10	0.89	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Chloroaniline	0.68	U	20	0.68	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Chloro-3-methylphenol	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Chlorophenol	0.52	U	10	0.52	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Chlorophenyl phenyl ether	0.88	U	10	0.88	ug/L		08/22/11 16:15	08/24/11 20:31	1
Chrysene	0.95	U	10	0.95	ug/L		08/22/11 16:15	08/24/11 20:31	1
Diallate	0.46	U	10	0.46	ug/L		08/22/11 16:15	08/24/11 20:31	1
Dibenz(a,h)anthracene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:31	1
Dibenzofuran	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 20:31	1
Di-n-butyl phthalate	1.7	U	10	1.7	ug/L		08/22/11 16:15	08/24/11 20:31	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.44	U	10	0.44	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,3-Dichlorobenzene	0.42	U	10	0.42	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,4-Dichlorobenzene	0.39	U	10	0.39	ug/L		08/22/11 16:15	08/24/11 20:31	1
3,3'-Dichlorobenzidine	0.75	U	20	0.75	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,4-Dichlorophenol	0.72	U	10	0.72	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,6-Dichlorophenol	0.86	U	10	0.86	ug/L		08/22/11 16:15	08/24/11 20:31	1
Diethyl phthalate	1.4	U	10	1.4	ug/L		08/22/11 16:15	08/24/11 20:31	1
p-Dimethylamino azobenzene	0.39	U	10	0.39	ug/L		08/22/11 16:15	08/24/11 20:31	1
7,12-Dimethylbenz(a)anthracene	0.34	U	10	0.34	ug/L		08/22/11 16:15	08/24/11 20:31	1
3,3'-Dimethylbenzidine	3.0	U	20	3.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,4-Dimethylphenol	0.75	U	10	0.75	ug/L		08/22/11 16:15	08/24/11 20:31	1
Dimethyl phthalate	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,3-Dinitrobenzene	1.7	U	50	1.7	ug/L		08/22/11 16:15	08/24/11 20:31	1
4,6-Dinitro-2-methylphenol	0.96	U	50	0.96	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,4-Dinitrophenol	3.9	U	50	3.9	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,4-Dinitrotoluene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,6-Dinitrotoluene	0.88	U	10	0.88	ug/L		08/22/11 16:15	08/24/11 20:31	1
Dinoseb	0.98	U	10	0.98	ug/L		08/22/11 16:15	08/24/11 20:31	1
Di-n-octyl phthalate	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:31	1
Ethyl methanesulfonate	0.92	U	10	0.92	ug/L		08/22/11 16:15	08/24/11 20:31	1
Fluoranthene	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 20:31	1
Fluorene	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
Hexachlorobenzene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:31	1
Hexachlorobutadiene	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 20:31	1
Hexachlorocyclopentadiene	0.21	U	10	0.21	ug/L		08/22/11 16:15	08/24/11 20:31	1
Hexachloroethane	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 20:31	1
Hexachloropropene	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 20:31	1
Indeno[1,2,3-cd]pyrene	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 20:31	1
Isophorone	0.81	U	10	0.81	ug/L		08/22/11 16:15	08/24/11 20:31	1
Isosafrole	0.90	U	10	0.90	ug/L		08/22/11 16:15	08/24/11 20:31	1
Kepone	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 20:31	1
Methapyrilene	1.0	U	2000	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
3-Methylcholanthrene	0.61	U	10	0.61	ug/L		08/22/11 16:15	08/24/11 20:31	1
Methyl methanesulfonate	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Methylnaphthalene	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Methylphenol	0.78	U	10	0.78	ug/L		08/22/11 16:15	08/24/11 20:31	1
Naphthalene	0.57	U	10	0.57	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,4-Naphthoquinone	0.34	U	10	0.34	ug/L		08/22/11 16:15	08/24/11 20:31	1
1-Naphthylamine	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Naphthylamine	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Nitroaniline	0.84	U	50	0.84	ug/L		08/22/11 16:15	08/24/11 20:31	1
3-Nitroaniline	1.4	U	50	1.4	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Nitroaniline	1.2	U	50	1.2	ug/L		08/22/11 16:15	08/24/11 20:31	1
Nitrobenzene	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 20:31	1
2-Nitrophenol	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:31	1
4-Nitrophenol	1.3	U	50	1.3	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitro-o-toluidine	0.74	U	10	0.74	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosodiethylamine	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosodimethylamine	3.1	U	10	3.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosodi-n-butylamine	0.66	U	10	0.66	ug/L		08/22/11 16:15	08/24/11 20:31	1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.82	U	10	0.82	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosodiphenylamine	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosomethylethylamine	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosopiperidine	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
N-Nitrosopyrrolidine	0.70	U	10	0.70	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,2'-oxybis[1-chloropropane]	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 20:31	1
Pentachlorobenzene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
Pentachloronitrobenzene	0.54	U	10	0.54	ug/L		08/22/11 16:15	08/24/11 20:31	1
Pentachlorophenol	1.1	U	50	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
Phenacetin	0.53	U	10	0.53	ug/L		08/22/11 16:15	08/24/11 20:31	1
Phenanthrene	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 20:31	1
p-Phenylene diamine	500	U	2000	500	ug/L		08/22/11 16:15	08/24/11 20:31	1
Pronamide	0.35	U	10	0.35	ug/L		08/22/11 16:15	08/24/11 20:31	1
Pyrene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 20:31	1
Safrole, Total	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,2,4,5-Tetrachlorobenzene	0.90	U	10	0.90	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,3,4,6-Tetrachlorophenol	3.8	U	10	3.8	ug/L		08/22/11 16:15	08/24/11 20:31	1
o-Toluidine	0.64	U	10	0.64	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,2,4-Trichlorobenzene	0.51	U	10	0.51	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,4,5-Trichlorophenol	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 20:31	1
2,4,6-Trichlorophenol	0.93	U	10	0.93	ug/L		08/22/11 16:15	08/24/11 20:31	1
o,o',o''-Triethylphosphorothioate	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 20:31	1
1,3,5-Trinitrobenzene	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 20:31	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*54*		*39 - 123*	*08/22/11 16:15*	*08/24/11 20:31*	*1*
2-Fluorobiphenyl	*37*		*31 - 113*	*08/22/11 16:15*	*08/24/11 20:31*	*1*
Terphenyl-d14	*15*		*10 - 138*	*08/22/11 16:15*	*08/24/11 20:31*	*1*
Phenol-d5	*71*		*23 - 123*	*08/22/11 16:15*	*08/24/11 20:31*	*1*
2-Fluorophenol	*53*		*27 - 111*	*08/22/11 16:15*	*08/24/11 20:31*	*1*
2,4,6-Tribromophenol	*55*		*42 - 128*	*08/22/11 16:15*	*08/24/11 20:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**1200**		400	30	ug/L		08/22/11 16:15	08/26/11 14:06	40
Phenol	**2400**		400	28	ug/L		08/22/11 16:15	08/26/11 14:06	40

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	**0.031**		0.019	0.0057	ug/L		08/22/11 14:35	08/24/11 00:05	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		08/22/11 14:35	08/24/11 00:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*91*		*56 - 144*	*08/22/11 14:35*	*08/24/11 00:05*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.00083	U	0.094	0.00083	ug/L		08/23/11 14:00	09/09/11 13:06	1
4,4'-DDE	0.00094	U	0.094	0.00094	ug/L		08/23/11 14:00	09/09/11 13:06	1
alpha-BHC	**0.0066**	**I**	0.047	0.0028	ug/L		08/23/11 14:00	09/09/11 13:06	1
beta-BHC	**0.019**	**I**	0.047	0.0038	ug/L		08/23/11 14:00	09/09/11 13:06	1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.091	U	0.47	0.091	ug/L		08/23/11 14:00	09/09/11 13:06	1
delta-BHC	**0.0063**	**I**	0.047	0.0027	ug/L		08/23/11 14:00	09/09/11 13:06	1
Endosulfan I	0.00089	U	0.047	0.00089	ug/L		08/23/11 14:00	09/09/11 13:06	1
Endosulfan II	0.0017	U	0.094	0.0017	ug/L		08/23/11 14:00	09/09/11 13:06	1
Endosulfan sulfate	0.0026	U	0.094	0.0026	ug/L		08/23/11 14:00	09/09/11 13:06	1
Endrin aldehyde	0.00075	U	0.094	0.00075	ug/L		08/23/11 14:00	09/09/11 13:06	1
Chlorobenzilate	0.052	U	0.47	0.052	ug/L		08/23/11 14:00	09/09/11 13:06	1
Heptachlor epoxide	0.0012	U	0.047	0.0012	ug/L		08/23/11 14:00	09/09/11 13:06	1
Isodrin	0.0075	U	0.047	0.0075	ug/L		08/23/11 14:00	09/09/11 13:06	1
Methoxychlor	**0.021**	**I**	0.47	0.0020	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1016	0.16	U J	0.94	0.16	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1221	0.17	U	1.9	0.17	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1232	0.11	U	0.94	0.11	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1242	0.089	U	0.94	0.089	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1248	0.11	U	0.94	0.11	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1254	0.094	U	0.94	0.094	ug/L		08/23/11 14:00	09/09/11 13:06	1
PCB-1260	0.082	U J	0.94	0.082	ug/L		08/23/11 14:00	09/09/11 13:06	1
Toxaphene	0.23	U	4.7	0.23	ug/L		08/23/11 14:00	09/09/11 13:06	1
4,4'-DDT	**0.011**	**I**	0.094	0.0033	ug/L		08/23/11 14:00	09/09/11 13:06	1
Aldrin	0.0012	U	0.047	0.0012	ug/L		08/23/11 14:00	09/09/11 13:06	1
Dieldrin	**0.0010**	**I**	0.094	0.00074	ug/L		08/23/11 14:00	09/09/11 13:06	1
Endrin	0.00060	U	0.094	0.00060	ug/L		08/23/11 14:00	09/09/11 13:06	1
gamma-BHC (Lindane)	0.0010	U	0.047	0.0010	ug/L		08/23/11 14:00	09/09/11 13:06	1
Heptachlor	0.0014	U	0.047	0.0014	ug/L		08/23/11 14:00	09/09/11 13:06	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*5*	*J*	*10 - 120*	*08/23/11 14:00*	*09/09/11 13:06*	*1*
Dibutylchlorendate	*5*	*J*	*10 - 130*	*08/23/11 14:00*	*09/09/11 13:06*	*1*
Tetrachloro-m-xylene	*34*		*10 - 110*	*08/23/11 14:00*	*09/09/11 13:06*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.30	U	1.9	0.30	ug/L		08/23/11 14:00	08/26/11 18:11	1
Disulfoton	0.11	U	1.9	0.11	ug/L		08/23/11 14:00	08/26/11 18:11	1
Famphur	0.10	U	1.9	0.10	ug/L		08/23/11 14:00	08/26/11 18:11	1
Methyl parathion	0.11	U	0.47	0.11	ug/L		08/23/11 14:00	08/26/11 18:11	1
Ethyl Parathion	0.075	U	0.94	0.075	ug/L		08/23/11 14:00	08/26/11 18:11	1
Phorate	0.15	U	0.94	0.15	ug/L		08/23/11 14:00	08/26/11 18:11	1
Thionazin	0.058	U	0.94	0.058	ug/L		08/23/11 14:00	08/26/11 18:11	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate (TPP)	*20*	*J*	*37 - 139*	*08/23/11 14:00*	*08/26/11 18:11*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	3.7	U	50	3.7	ug/L		08/22/11 08:11	08/23/11 23:05	10
2,4,5-T	6.2	U	50	6.2	ug/L		08/22/11 08:11	08/23/11 23:05	10
Silvex (2,4,5-TP)	6.2	U	50	6.2	ug/L		08/22/11 08:11	08/23/11 23:05	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*0*	*J*	*52 - 151*	*08/22/11 08:11*	*08/23/11 23:05*	*10*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Analyte	Result	Qualifier	PQL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	3.1	U	10	5.5	pg/L		08/26/11 16:00	09/02/11 23:29	1.03

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
37Cl4-2,3,7,8-TCDD	*87*		*42 - 164*	*08/26/11 16:00*	*09/02/11 23:29*	*1.03*

Internal Standard	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*62*		*31 - 137*	*08/26/11 16:00*	*09/02/11 23:29*	*1.03*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**71000**		50	24	ug/L		08/24/11 14:06	08/26/11 03:10	1
Sodium	**2600**		100	28	mg/L		08/24/11 14:06	08/26/11 12:05	100

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**62**		5.0	2.3	ug/L		08/24/11 11:00	08/29/11 02:00	1
Arsenic	**330**		2.5	1.3	ug/L		08/24/11 11:00	08/29/11 02:00	1
Barium	**190**		5.0	1.3	ug/L		08/24/11 11:00	08/29/11 02:00	1
Beryllium	0.25	U	0.50	0.25	ug/L		08/24/11 11:00	08/29/11 02:00	1
Cadmium	**0.42**	**I**	0.50	0.095	ug/L		08/24/11 11:00	08/29/11 02:00	1
Chromium	**260**		5.0	2.5	ug/L		08/24/11 11:00	08/29/11 02:00	1
Cobalt	**63**		0.50	0.15	ug/L		08/24/11 11:00	08/29/11 02:00	1
Copper	**15**		5.0	1.1	ug/L		08/24/11 11:00	08/29/11 02:00	1
Lead	**2.4**		1.5	0.20	ug/L		08/24/11 11:00	08/26/11 11:48	1
Nickel	**300**		5.0	2.0	ug/L		08/24/11 11:00	08/29/11 02:00	1
Selenium	**4.1**		2.5	1.0	ug/L		08/24/11 11:00	08/29/11 02:00	1
Silver	**0.66**	**I**	1.0	0.25	ug/L		08/24/11 11:00	08/29/11 02:00	1
Thallium	0.50	U	1.0	0.50	ug/L		08/24/11 11:00	08/29/11 02:00	1
Tin	**67**		5.0	1.3	ug/L		08/24/11 11:00	08/29/11 02:00	1
Vanadium	**140**		10	3.8	ug/L		08/24/11 11:00	08/29/11 02:00	1
Zinc	**530**		20	8.3	ug/L		08/24/11 11:00	08/29/11 02:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**		0.20	0.091	ug/L		08/24/11 09:35	08/24/11 15:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2700**		100	3.6	mg/L			09/07/11 07:33	100
Ammonia	**1300**		20	4.3	mg/L			08/22/11 15:26	1000
Nitrate Nitrite as N	**0.31**		0.010	0.0047	mg/L			08/24/11 14:14	1
Nitrate as N	**0.31**		0.010	0.0047	mg/L			08/24/11 14:30	1
Bicarbonate Alkalinity as CaCO3	0.39	U	1.0	0.39	mg/L			08/26/11 03:19	1
Total Dissolved Solids	**12000**	**Q**	100	46	mg/L			08/29/11 14:48	1
Cyanide, Total	**0.022**		0.010	0.0025	mg/L		08/23/11 07:45	08/24/11 08:06	1
Sulfide	**20**		10	10	mg/L			08/24/11 12:21	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.29**				SU			08/17/11 12:30	1
Field Temperature	**35.9**				Degrees C			08/17/11 12:30	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: COMP-1
Date Collected: 08/17/11 12:30
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-2
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	20590				umhos/cm			08/17/11 12:30	1
Oxygen, Dissolved	0.1				mg/L			08/17/11 12:30	1
Color	Black				PCU			08/17/11 12:30	1
Sheen	None				NONE			08/17/11 12:30	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: Trip Blank 05
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/22/11 19:22	1
Acetonitrile	42	U	200	42	ug/L			08/22/11 19:22	1
Acrolein	7.5	U J	20	7.5	ug/L			08/22/11 19:22	1
Acrylonitrile	5.1	U J	20	5.1	ug/L			08/22/11 19:22	1
Benzene	0.28	U	1.0	0.28	ug/L			08/22/11 19:22	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/22/11 19:22	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/22/11 19:22	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/22/11 19:22	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/22/11 19:22	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/22/11 19:22	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/22/11 19:22	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/22/11 19:22	1
2-Chloro-1,3-butadiene	0.24	U	1.0	0.24	ug/L			08/22/11 19:22	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/22/11 19:22	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/22/11 19:22	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/22/11 19:22	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/22/11 19:22	1
3-Chloro-1-propene	0.25	U	1.0	0.25	ug/L			08/22/11 19:22	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/22/11 19:22	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/22/11 19:22	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/22/11 19:22	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/22/11 19:22	1
Dichlorodifluoromethane	0.55	U	1.0	0.55	ug/L			08/22/11 19:22	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/22/11 19:22	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/22/11 19:22	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/22/11 19:22	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 19:22	1
1,3-Dichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 19:22	1
2,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 19:22	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			08/22/11 19:22	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/22/11 19:22	1
Ethyl methacrylate	0.28	U	1.0	0.28	ug/L			08/22/11 19:22	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/22/11 19:22	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/22/11 19:22	1
Isobutyl alcohol	52	U	200	52	ug/L			08/22/11 19:22	1
Methacrylonitrile	4.2	U	20	4.2	ug/L			08/22/11 19:22	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/22/11 19:22	1
Methyl methacrylate	0.19	U	1.0	0.19	ug/L			08/22/11 19:22	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/22/11 19:22	1
m-Xylene & p-Xylene	0.45	U	2.0	0.45	ug/L			08/22/11 19:22	1
o-Xylene	0.23	U	1.0	0.23	ug/L			08/22/11 19:22	1
Propionitrile	4.7	U	20	4.7	ug/L			08/22/11 19:22	1
Styrene	0.22	U	1.0	0.22	ug/L			08/22/11 19:22	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/22/11 19:22	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/22/11 19:22	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/22/11 19:22	1
Toluene	0.24	U	1.0	0.24	ug/L			08/22/11 19:22	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/22/11 19:22	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/22/11 19:22	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/22/11 19:22	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: Trip Blank 05
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34899-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/22/11 19:22	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/22/11 19:22	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/22/11 19:22	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/22/11 19:22	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 19:22	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/22/11 19:22	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/22/11 19:22	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/22/11 19:22	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/22/11 19:22*	*1*
Dibromofluoromethane	*92*		*82 - 114*		*08/22/11 19:22*	*1*
Toluene-d8 (Surr)	*100*		*92 - 107*		*08/22/11 19:22*	*1*

Surrogate Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(85-113)	(82-114)	(92-107)
640-34899-1	TANK-6	94	97	99
640-34899-2	COMP-1	104	69 J	99
640-34899-2 - DL	COMP-1	95	101	98
640-34899-3	Trip Blank 05	97	92	100
LCS 640-84167/3	Lab Control Sample	99	99	100
LCS 640-84171/3	Lab Control Sample	102	97	99
LCS 640-84172/5	Lab Control Sample	99	105	101
LCSD 640-84167/4	Lab Control Sample Dup	102	101	99
LCSD 640-84171/4	Lab Control Sample Dup	100	100	100
LCSD 640-84172/6	Lab Control Sample Dup	99	105	99
MB 640-84167/5	Method Blank	97	95	99
MB 640-84171/5	Method Blank	101	93	99
MB 640-84172/2	Method Blank	97	101	100

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	FBP	TPH	PHL	2FP	TBP
Lab Sample ID	Client Sample ID	(39-123)	(31-113)	(10-138)	(23-123)	(27-111)	(42-128)
640-34899-1	TANK-6	67	41	14	0 J	0 J	0 J
640-34899-1 MS	TANK-6	77	57	32	0 J	0 J	0 J
640-34899-1 MSD	TANK-6	91	73	14	0 J	0 J	0 J
640-34899-2	COMP-1	54	37	15	71	53	55
LCS 640-84139/2-A	Lab Control Sample	93	91	92	76	76	104
LCSD 640-84139/3-A	Lab Control Sample Dup	84	86	91	62	51	99
MB 640-84139/1-A	Method Blank	92	96	91	76	74	98

Surrogate Legend

NBZ = Nitrobenzene-d5
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14
PHL = Phenol-d5
2FP = 2-Fluorophenol
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TCEA1
Lab Sample ID	Client Sample ID	(56-144)
640-34899-1	TANK-6	83
MB 640-84129/10-A	Method Blank	93

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	TCEA2 (56-144)								
640-34899-2	COMP-1	91								
LCS 640-84129/11-A	Lab Control Sample	94								
LCSD 640-84129/12-A	Lab Control Sample Dup	97								

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	DCB1 (10-120)	DBC1 (10-130)	TCX1 (10-110)						
640-34899-1	TANK-6	14	13	15						
640-34899-1 MS	TANK-6	21	18	17						
640-34899-1 MSD	TANK-6	12	14	16						
640-34899-2 MS	COMP-1	0.8 J	3 J	12						
640-34899-2 MSD	COMP-1	1 J	3 J	13						
LCS 640-84165/2-A	Lab Control Sample	66	76	67						
LCS 640-84165/6-A	Lab Control Sample	47	78	68						
LCSD 640-84165/3-A	Lab Control Sample Dup	64	74	65						
LCSD 640-84165/7-A	Lab Control Sample Dup	54	91	79						
MB 640-84165/1-A	Method Blank	53	62	55						

Surrogate Legend

DCB = DCB Decachlorobiphenyl

DBC = Dibutylchlorendate

TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	DCB1 (10-120)	DBC1 (10-130)	TCX2 (10-110)						
640-34899-2	COMP-1	5 J	5 J	34						

Surrogate Legend

DCB = DCB Decachlorobiphenyl

DBC = Dibutylchlorendate

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TPP1
Lab Sample ID	Client Sample ID	(37-139)
640-34899-1	TANK-6	39
640-34899-2	COMP-1	20 J
640-34899-2 MS	COMP-1	23 J
640-34899-2 MSD	COMP-1	21 J
LCS 640-84165/10-A	Lab Control Sample	111
LCSD 640-84165/11-A	Lab Control Sample Dup	98
MB 640-84165/1-A	Method Blank	106

Surrogate Legend

TPP = Triphenylphosphate (TPP)

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPA1
Lab Sample ID	Client Sample ID	(52-151)
640-34899-1	TANK-6	180 J
640-34899-2	COMP-1	0 J

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPA2
Lab Sample ID	Client Sample ID	(52-151)
LCS 680-212458/19-A	Lab Control Sample	111
MB 680-212458/18-A	Method Blank	97

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Matrix: Water **Prep Type: Total**

		Percent Surrogate Recovery (Acceptance Limits)
		37TCDD
Lab Sample ID	Client Sample ID	(42-164)
640-34899-1	TANK-6	85
640-34899-2	COMP-1	87
G1H260000077B	Method Blank	85

Surrogate Legend

37TCDD = 37Cl4-2,3,7,8-TCDD

Surrogate Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Matrix: Water **Prep Type: Total**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	37TCDD (37-158)								
G1H260000077C	Lab Control Sample	99								
G1H260000077L	Lab Control Sample Dup	81								

Surrogate Legend

37TCDD = 37Cl4-2,3,7,8-TCDD

Internal Standard Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Matrix: Water **Prep Type: Total**

		Percent Internal Standard Recovery (Acceptance Limits)							
		TCDD							
Lab Sample ID	Client Sample ID	(31-137)							
640-34899-1	TANK-6	54							
640-34899-2	COMP-1	62							
G1H260000077B	Method Blank	40							

Internal Standard Legend

TCDD = 13C-2,3,7,8-TCDD

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Matrix: Water **Prep Type: Total**

		Percent Internal Standard Recovery (Acceptance Limits)							
		TCDD							
Lab Sample ID	Client Sample ID	(25-141)							
G1H260000077C	Lab Control Sample	44							
G1H260000077L	Lab Control Sample Dup	34							

Internal Standard Legend

TCDD = 13C-2,3,7,8-TCDD

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 640-84167/5
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/22/11 18:56	1
Acetonitrile	42	U	200	42	ug/L			08/22/11 18:56	1
Acrolein	7.5	U	20	7.5	ug/L			08/22/11 18:56	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/22/11 18:56	1
Benzene	0.28	U	1.0	0.28	ug/L			08/22/11 18:56	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/22/11 18:56	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/22/11 18:56	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/22/11 18:56	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/22/11 18:56	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/22/11 18:56	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/22/11 18:56	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/22/11 18:56	1
2-Chloro-1,3-butadiene	0.24	U	1.0	0.24	ug/L			08/22/11 18:56	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/22/11 18:56	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/22/11 18:56	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/22/11 18:56	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/22/11 18:56	1
3-Chloro-1-propene	0.25	U	1.0	0.25	ug/L			08/22/11 18:56	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/22/11 18:56	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/22/11 18:56	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/22/11 18:56	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/22/11 18:56	1
Dichlorodifluoromethane	0.55	U	1.0	0.55	ug/L			08/22/11 18:56	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/22/11 18:56	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/22/11 18:56	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/22/11 18:56	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 18:56	1
1,3-Dichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 18:56	1
2,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 18:56	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			08/22/11 18:56	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/22/11 18:56	1
Ethyl methacrylate	0.28	U	1.0	0.28	ug/L			08/22/11 18:56	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/22/11 18:56	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/22/11 18:56	1
Isobutyl alcohol	52	U	200	52	ug/L			08/22/11 18:56	1
Methacrylonitrile	4.2	U	20	4.2	ug/L			08/22/11 18:56	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/22/11 18:56	1
Methyl methacrylate	0.19	U	1.0	0.19	ug/L			08/22/11 18:56	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/22/11 18:56	1
m-Xylene & p-Xylene	0.45	U	2.0	0.45	ug/L			08/22/11 18:56	1
o-Xylene	0.23	U	1.0	0.23	ug/L			08/22/11 18:56	1
Propionitrile	4.7	U	20	4.7	ug/L			08/22/11 18:56	1
Styrene	0.22	U	1.0	0.22	ug/L			08/22/11 18:56	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/22/11 18:56	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/22/11 18:56	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/22/11 18:56	1
Toluene	0.24	U	1.0	0.24	ug/L			08/22/11 18:56	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/22/11 18:56	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/22/11 18:56	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84167/5
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/22/11 18:56	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/22/11 18:56	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/22/11 18:56	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/22/11 18:56	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/22/11 18:56	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 18:56	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/22/11 18:56	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/22/11 18:56	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/22/11 18:56	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/22/11 18:56*	*1*
Dibromofluoromethane	*95*		*82 - 114*		*08/22/11 18:56*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/22/11 18:56*	*1*

Lab Sample ID: LCS 640-84167/3
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	283		ug/L		94	64 - 132
Acetonitrile	1530	1540		ug/L		100	43 - 150
Acrolein	600	253	J	ug/L		42	54 - 149
Acrylonitrile	30.0	41.2	J	ug/L		137	72 - 124
Benzene	30.0	29.2		ug/L		97	80 - 120
Bromoform	30.0	29.3		ug/L		98	64 - 132
Bromomethane	30.0	31.3		ug/L		104	37 - 146
2-Butanone (MEK)	300	295		ug/L		98	66 - 132
Carbon disulfide	30.0	27.6		ug/L		92	72 - 132
Carbon tetrachloride	30.0	28.6		ug/L		95	79 - 126
Chlorobenzene	30.0	28.3		ug/L		94	82 - 116
Chlorobromomethane	30.0	29.1		ug/L		97	72 - 124
2-Chloro-1,3-butadiene	30.0	31.1		ug/L		104	70 - 128
Chlorodibromomethane	30.0	30.6		ug/L		102	73 - 125
Chloroethane	30.0	30.4		ug/L		101	47 - 160
Chloroform	30.0	29.6		ug/L		99	81 - 120
Chloromethane	30.0	26.1		ug/L		87	61 - 136
3-Chloro-1-propene	60.0	54.6		ug/L		91	63 - 139
cis-1,2-Dichloroethene	30.0	29.4		ug/L		98	75 - 128
cis-1,3-Dichloropropene	30.0	31.1		ug/L		104	79 - 120
Dibromomethane	30.0	31.8		ug/L		106	80 - 119
Dichlorobromomethane	30.0	29.6		ug/L		99	82 - 120
Dichlorodifluoromethane	30.0	25.0		ug/L		83	57 - 170
1,1-Dichloroethane	30.0	29.7		ug/L		99	78 - 124
1,2-Dichloroethane	30.0	30.1		ug/L		100	82 - 123
1,1-Dichloroethene	30.0	27.0		ug/L		90	72 - 133
1,2-Dichloropropane	30.0	31.0		ug/L		103	78 - 121
1,3-Dichloropropane	30.0	31.1		ug/L		104	70 - 124
2,2-Dichloropropane	30.0	26.1		ug/L		87	76 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84167/3
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,1-Dichloropropene			30.0	28.7		ug/L		96	84 - 123		
Ethylbenzene			30.0	29.2		ug/L		97	85 - 119		
Ethyl methacrylate			60.0	63.0		ug/L		105	67 - 129		
2-Hexanone			300	298		ug/L		99	54 - 132		
Iodomethane			60.0	59.7		ug/L		99	32 - 169		
Isobutyl alcohol			1530	1540		ug/L		101	45 - 135		
Methacrylonitrile			330	324		ug/L		98	50 - 136		
Methylene Chloride			30.0	30.0		ug/L		100	75 - 125		
Methyl methacrylate			60.0	62.7		ug/L		105	66 - 131		
4-Methyl-2-pentanone (MIBK)			300	292		ug/L		97	67 - 134		
m-Xylene & p-Xylene			60.0	57.4		ug/L		96	86 - 123		
o-Xylene			30.0	29.2		ug/L		97	85 - 123		
Propionitrile			330	320		ug/L		97	68 - 126		
Styrene			30.0	30.0		ug/L		100	86 - 121		
1,1,1,2-Tetrachloroethane			30.0	28.7		ug/L		96	80 - 118		
1,1,2,2-Tetrachloroethane			30.0	27.9		ug/L		93	78 - 118		
Tetrachloroethene			30.0	32.9		ug/L		110	81 - 126		
Toluene			30.0	30.1		ug/L		100	82 - 122		
trans-1,4-Dichloro-2-butene			90.0	85.6		ug/L		95	76 - 128		
trans-1,2-Dichloroethene			30.0	27.8		ug/L		93	77 - 128		
trans-1,3-Dichloropropene			30.0	31.3		ug/L		104	76 - 122		
1,1,1-Trichloroethane			30.0	28.6		ug/L		95	85 - 122		
1,1,2-Trichloroethane			30.0	30.0		ug/L		100	76 - 122		
Trichloroethene			30.0	30.0		ug/L		100	82 - 121		
Trichlorofluoromethane			30.0	28.0		ug/L		93	84 - 139		
1,2,3-Trichloropropane			30.0	28.0		ug/L		93	79 - 128		
Vinyl acetate			60.0	70.9		ug/L		118	39 - 185		
Vinyl chloride			30.0	27.4		ug/L		91	70 - 139		
Xylenes, Total			90.0	86.6		ug/L		96	86 - 123		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*85 - 113*
Dibromofluoromethane	*99*		*82 - 114*
Toluene-d8 (Surr)	*100*		*92 - 107*

Lab Sample ID: LCSD 640-84167/4
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			300	284		ug/L		95	64 - 132	0	28
Acetonitrile			1530	1480		ug/L		97	43 - 150	4	32
Acrolein			600	205	J	ug/L		34	54 - 149	21	38
Acrylonitrile			30.0	35.6		ug/L		119	72 - 124	15	40
Benzene			30.0	29.6		ug/L		99	80 - 120	1	20
Bromoform			30.0	30.7		ug/L		102	64 - 132	5	20
Bromomethane			30.0	27.2		ug/L		91	37 - 146	14	38
2-Butanone (MEK)			300	307		ug/L		102	66 - 132	4	28
Carbon disulfide			30.0	27.6		ug/L		92	72 - 132	0	23

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84167/4
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	30.0	27.6		ug/L		92	79 - 126	4	20
Chlorobenzene	30.0	30.3		ug/L		101	82 - 116	7	20
Chlorobromomethane	30.0	28.9		ug/L		96	72 - 124	1	20
2-Chloro-1,3-butadiene	30.0	31.4		ug/L		105	70 - 128	1	20
Chlorodibromomethane	30.0	31.9		ug/L		106	73 - 125	4	20
Chloroethane	30.0	30.8		ug/L		103	47 - 160	1	35
Chloroform	30.0	29.0		ug/L		97	81 - 120	2	20
Chloromethane	30.0	29.0		ug/L		97	61 - 136	10	20
3-Chloro-1-propene	60.0	56.9		ug/L		95	63 - 139	4	25
cis-1,2-Dichloroethene	30.0	29.4		ug/L		98	75 - 128	0	20
cis-1,3-Dichloropropene	30.0	31.4		ug/L		105	79 - 120	1	20
Dibromomethane	30.0	32.5		ug/L		108	80 - 119	2	20
Dichlorobromomethane	30.0	30.1		ug/L		100	82 - 120	2	20
Dichlorodifluoromethane	30.0	24.5		ug/L		82	57 - 170	2	39
1,1-Dichloroethane	30.0	30.1		ug/L		100	78 - 124	1	20
1,2-Dichloroethane	30.0	30.5		ug/L		102	82 - 123	1	20
1,1-Dichloroethene	30.0	27.4		ug/L		91	72 - 133	2	24
1,2-Dichloropropane	30.0	31.0		ug/L		103	78 - 121	0	20
1,3-Dichloropropane	30.0	31.7		ug/L		106	70 - 124	2	20
2,2-Dichloropropane	30.0	26.2		ug/L		87	76 - 132	0	20
1,1-Dichloropropene	30.0	29.0		ug/L		97	84 - 123	1	20
Ethylbenzene	30.0	31.1		ug/L		104	85 - 119	6	20
Ethyl methacrylate	60.0	66.8		ug/L		111	67 - 129	6	28
2-Hexanone	300	313		ug/L		104	54 - 132	5	32
Iodomethane	60.0	59.6		ug/L		99	32 - 169	0	40
Isobutyl alcohol	1530	1630		ug/L		107	45 - 135	6	48
Methacrylonitrile	330	321		ug/L		97	50 - 136	1	39
Methylene Chloride	30.0	30.2		ug/L		101	75 - 125	0	22
Methyl methacrylate	60.0	66.0		ug/L		110	66 - 131	5	28
4-Methyl-2-pentanone (MIBK)	300	321		ug/L		107	67 - 134	9	20
m-Xylene & p-Xylene	60.0	61.0		ug/L		102	86 - 123	6	20
o-Xylene	30.0	31.4		ug/L		105	85 - 123	7	20
Propionitrile	330	331		ug/L		100	68 - 126	3	24
Styrene	30.0	32.1		ug/L		107	86 - 121	7	20
1,1,1,2-Tetrachloroethane	30.0	31.8		ug/L		106	80 - 118	10	20
1,1,2,2-Tetrachloroethane	30.0	29.2		ug/L		97	78 - 118	5	20
Tetrachloroethene	30.0	37.3		ug/L		124	81 - 126	13	20
Toluene	30.0	30.8		ug/L		103	82 - 122	3	20
trans-1,4-Dichloro-2-butene	90.0	94.8		ug/L		105	76 - 128	10	26
trans-1,2-Dichloroethene	30.0	28.5		ug/L		95	77 - 128	2	22
trans-1,3-Dichloropropene	30.0	31.8		ug/L		106	76 - 122	2	20
1,1,1-Trichloroethane	30.0	28.8		ug/L		96	85 - 122	1	20
1,1,2-Trichloroethane	30.0	32.0		ug/L		107	76 - 122	6	20
Trichloroethene	30.0	30.0		ug/L		100	82 - 121	0	20
Trichlorofluoromethane	30.0	25.9		ug/L		86	84 - 139	8	20
1,2,3-Trichloropropane	30.0	31.4		ug/L		105	79 - 128	11	20
Vinyl acetate	60.0	71.4		ug/L		119	39 - 185	1	27
Vinyl chloride	30.0	28.9		ug/L		96	70 - 139	5	20
Xylenes, Total	90.0	92.4		ug/L		103	86 - 123	6	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84167/4
Matrix: Water
Analysis Batch: 84167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*102*		*85 - 113*
Dibromofluoromethane	*101*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Lab Sample ID: MB 640-84171/5
Matrix: Water
Analysis Batch: 84171

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/22/11 19:08	1
Acetonitrile	42	U	200	42	ug/L			08/22/11 19:08	1
Acrolein	7.5	U	20	7.5	ug/L			08/22/11 19:08	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/22/11 19:08	1
Benzene	0.28	U	1.0	0.28	ug/L			08/22/11 19:08	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/22/11 19:08	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/22/11 19:08	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/22/11 19:08	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/22/11 19:08	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/22/11 19:08	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/22/11 19:08	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/22/11 19:08	1
2-Chloro-1,3-butadiene	0.24	U	1.0	0.24	ug/L			08/22/11 19:08	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/22/11 19:08	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/22/11 19:08	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/22/11 19:08	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/22/11 19:08	1
3-Chloro-1-propene	0.25	U	1.0	0.25	ug/L			08/22/11 19:08	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/22/11 19:08	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/22/11 19:08	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/22/11 19:08	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/22/11 19:08	1
Dichlorodifluoromethane	0.55	U	1.0	0.55	ug/L			08/22/11 19:08	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/22/11 19:08	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/22/11 19:08	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/22/11 19:08	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 19:08	1
1,3-Dichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 19:08	1
2,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/22/11 19:08	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			08/22/11 19:08	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/22/11 19:08	1
Ethyl methacrylate	0.28	U	1.0	0.28	ug/L			08/22/11 19:08	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/22/11 19:08	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/22/11 19:08	1
Isobutyl alcohol	52	U	200	52	ug/L			08/22/11 19:08	1
Methacrylonitrile	4.2	U	20	4.2	ug/L			08/22/11 19:08	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/22/11 19:08	1
Methyl methacrylate	0.19	U	1.0	0.19	ug/L			08/22/11 19:08	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/22/11 19:08	1
m-Xylene & p-Xylene	0.45	U	2.0	0.45	ug/L			08/22/11 19:08	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84171/5
Matrix: Water
Analysis Batch: 84171

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.23	U	1.0	0.23	ug/L			08/22/11 19:08	1
Propionitrile	4.7	U	20	4.7	ug/L			08/22/11 19:08	1
Styrene	0.22	U	1.0	0.22	ug/L			08/22/11 19:08	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/22/11 19:08	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/22/11 19:08	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/22/11 19:08	1
Toluene	0.24	U	1.0	0.24	ug/L			08/22/11 19:08	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/22/11 19:08	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/22/11 19:08	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/22/11 19:08	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/22/11 19:08	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/22/11 19:08	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/22/11 19:08	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/22/11 19:08	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/22/11 19:08	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/22/11 19:08	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/22/11 19:08	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/22/11 19:08	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*85 - 113*		*08/22/11 19:08*	*1*
Dibromofluoromethane	*93*		*82 - 114*		*08/22/11 19:08*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/22/11 19:08*	*1*

Lab Sample ID: LCS 640-84171/3
Matrix: Water
Analysis Batch: 84171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	295		ug/L		98	64 - 132
Acetonitrile	1530	1410		ug/L		92	43 - 150
Acrolein	600	647		ug/L		108	54 - 149
Acrylonitrile	30.0	591	J	ug/L		1971	72 - 124
Benzene	30.0	29.4		ug/L		98	80 - 120
Bromoform	30.0	31.0		ug/L		103	64 - 132
Bromomethane	30.0	31.4		ug/L		105	37 - 146
2-Butanone (MEK)	300	327		ug/L		109	66 - 132
Carbon disulfide	30.0	27.7		ug/L		92	72 - 132
Carbon tetrachloride	30.0	29.6		ug/L		99	79 - 126
Chlorobenzene	30.0	29.2		ug/L		97	82 - 116
Chlorobromomethane	30.0	29.5		ug/L		98	72 - 124
2-Chloro-1,3-butadiene	30.0	28.3		ug/L		94	70 - 128
Chlorodibromomethane	30.0	29.6		ug/L		99	73 - 125
Chloroethane	30.0	25.7		ug/L		86	47 - 160
Chloroform	30.0	28.0		ug/L		93	81 - 120
Chloromethane	30.0	28.1		ug/L		94	61 - 136
3-Chloro-1-propene	60.0	29.0	J	ug/L		48	63 - 139
cis-1,2-Dichloroethene	30.0	27.9		ug/L		93	75 - 128
cis-1,3-Dichloropropene	30.0	30.7		ug/L		102	79 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84171/3
Matrix: Water
Analysis Batch: 84171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dibromomethane	30.0	29.9		ug/L		100	80 - 119
Dichlorobromomethane	30.0	30.0		ug/L		100	82 - 120
Dichlorodifluoromethane	30.0	31.9		ug/L		106	57 - 170
1,1-Dichloroethane	30.0	27.8		ug/L		93	78 - 124
1,2-Dichloroethane	30.0	29.0		ug/L		97	82 - 123
1,1-Dichloroethene	30.0	28.0		ug/L		93	72 - 133
1,2-Dichloropropane	30.0	30.2		ug/L		101	78 - 121
1,3-Dichloropropane	30.0	30.6		ug/L		102	70 - 124
2,2-Dichloropropane	30.0	27.6		ug/L		92	76 - 132
1,1-Dichloropropene	30.0	28.4		ug/L		95	84 - 123
Ethylbenzene	30.0	30.2		ug/L		101	85 - 119
Ethyl methacrylate	60.0	31.6	J	ug/L		53	67 - 129
2-Hexanone	300	314		ug/L		105	54 - 132
Iodomethane	60.0	28.0		ug/L		47	32 - 169
Isobutyl alcohol	1530	1570		ug/L		103	45 - 135
Methacrylonitrile	330	302		ug/L		91	50 - 136
Methylene Chloride	30.0	28.4		ug/L		95	75 - 125
Methyl methacrylate	60.0	31.8	J	ug/L		53	66 - 131
4-Methyl-2-pentanone (MIBK)	300	319		ug/L		106	67 - 134
m-Xylene & p-Xylene	60.0	58.5		ug/L		98	86 - 123
o-Xylene	30.0	30.5		ug/L		102	85 - 123
Propionitrile	330	296		ug/L		90	68 - 126
Styrene	30.0	31.5		ug/L		105	86 - 121
1,1,1,2-Tetrachloroethane	30.0	30.0		ug/L		100	80 - 118
1,1,2,2-Tetrachloroethane	30.0	30.8		ug/L		103	78 - 118
Tetrachloroethene	30.0	30.1		ug/L		100	81 - 126
Toluene	30.0	28.8		ug/L		96	82 - 122
trans-1,4-Dichloro-2-butene	90.0	58.4	J	ug/L		65	76 - 128
trans-1,2-Dichloroethene	30.0	28.1		ug/L		94	77 - 128
trans-1,3-Dichloropropene	30.0	31.0		ug/L		103	76 - 122
1,1,1-Trichloroethane	30.0	28.5		ug/L		95	85 - 122
1,1,2-Trichloroethane	30.0	29.8		ug/L		99	76 - 122
Trichloroethene	30.0	28.6		ug/L		95	82 - 121
Trichlorofluoromethane	30.0	30.1		ug/L		100	84 - 139
1,2,3-Trichloropropane	30.0	27.9		ug/L		93	79 - 128
Vinyl acetate	60.0	68.2		ug/L		114	39 - 185
Vinyl chloride	30.0	30.0		ug/L		100	70 - 139
Xylenes, Total	90.0	89.0		ug/L		99	86 - 123

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*85 - 113*
Dibromofluoromethane	*97*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84171/4
Matrix: Water
Analysis Batch: 84171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	300	314		ug/L		105	64 - 132	6	28
Acetonitrile	1530	1530		ug/L		100	43 - 150	8	32
Acrolein	600	670		ug/L		112	54 - 149	4	38
Acrylonitrile	30.0	636	J	ug/L		2119	72 - 124	7	40
Benzene	30.0	29.4		ug/L		98	80 - 120	0	20
Bromoform	30.0	31.3		ug/L		104	64 - 132	1	20
Bromomethane	30.0	32.2		ug/L		107	37 - 146	3	38
2-Butanone (MEK)	300	316		ug/L		105	66 - 132	4	28
Carbon disulfide	30.0	28.7		ug/L		96	72 - 132	4	23
Carbon tetrachloride	30.0	28.6		ug/L		95	79 - 126	3	20
Chlorobenzene	30.0	30.5		ug/L		102	82 - 116	4	20
Chlorobromomethane	30.0	29.9		ug/L		100	72 - 124	2	20
2-Chloro-1,3-butadiene	30.0	28.6		ug/L		95	70 - 128	1	20
Chlorodibromomethane	30.0	30.8		ug/L		103	73 - 125	4	20
Chloroethane	30.0	28.6		ug/L		95	47 - 160	11	35
Chloroform	30.0	29.9		ug/L		100	81 - 120	7	20
Chloromethane	30.0	28.5		ug/L		95	61 - 136	1	20
3-Chloro-1-propene	60.0	30.6	J	ug/L		51	63 - 139	5	25
cis-1,2-Dichloroethene	30.0	30.1		ug/L		100	75 - 128	7	20
cis-1,3-Dichloropropene	30.0	31.0		ug/L		103	79 - 120	1	20
Dibromomethane	30.0	31.2		ug/L		104	80 - 119	4	20
Dichlorobromomethane	30.0	29.6		ug/L		99	82 - 120	1	20
Dichlorodifluoromethane	30.0	31.7		ug/L		106	57 - 170	1	39
1,1-Dichloroethane	30.0	29.5		ug/L		98	78 - 124	6	20
1,2-Dichloroethane	30.0	30.1		ug/L		100	82 - 123	3	20
1,1-Dichloroethene	30.0	29.6		ug/L		99	72 - 133	5	24
1,2-Dichloropropane	30.0	30.1		ug/L		100	78 - 121	0	20
1,3-Dichloropropane	30.0	31.0		ug/L		103	70 - 124	1	20
2,2-Dichloropropane	30.0	28.4		ug/L		95	76 - 132	3	20
1,1-Dichloropropene	30.0	28.7		ug/L		96	84 - 123	1	20
Ethylbenzene	30.0	31.0		ug/L		103	85 - 119	3	20
Ethyl methacrylate	60.0	33.2	J	ug/L		55	67 - 129	5	28
2-Hexanone	300	323		ug/L		108	54 - 132	3	32
Iodomethane	60.0	29.6		ug/L		49	32 - 169	5	40
Isobutyl alcohol	1530	1660		ug/L		109	45 - 135	5	48
Methacrylonitrile	330	316		ug/L		96	50 - 136	4	39
Methylene Chloride	30.0	31.2		ug/L		104	75 - 125	10	22
Methyl methacrylate	60.0	32.0	J	ug/L		53	66 - 131	1	28
4-Methyl-2-pentanone (MIBK)	300	321		ug/L		107	67 - 134	1	20
m-Xylene & p-Xylene	60.0	61.4		ug/L		102	86 - 123	5	20
o-Xylene	30.0	31.7		ug/L		106	85 - 123	4	20
Propionitrile	330	300		ug/L		91	68 - 126	1	24
Styrene	30.0	32.7		ug/L		109	86 - 121	4	20
1,1,1,2-Tetrachloroethane	30.0	31.5		ug/L		105	80 - 118	5	20
1,1,2,2-Tetrachloroethane	30.0	31.8		ug/L		106	78 - 118	3	20
Tetrachloroethene	30.0	29.8		ug/L		99	81 - 126	1	20
Toluene	30.0	29.4		ug/L		98	82 - 122	2	20
trans-1,4-Dichloro-2-butene	90.0	62.0	J	ug/L		69	76 - 128	6	26
trans-1,2-Dichloroethene	30.0	29.3		ug/L		98	77 - 128	4	22

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84171/4
Matrix: Water
Analysis Batch: 84171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			30.0	32.2		ug/L		107	76 - 122	4	20
1,1,1-Trichloroethane			30.0	28.4		ug/L		95	85 - 122	0	20
1,1,2-Trichloroethane			30.0	30.5		ug/L		102	76 - 122	2	20
Trichloroethene			30.0	28.7		ug/L		96	82 - 121	0	20
Trichlorofluoromethane			30.0	30.4		ug/L		101	84 - 139	1	20
1,2,3-Trichloropropane			30.0	29.8		ug/L		99	79 - 128	7	20
Vinyl acetate			60.0	69.0		ug/L		115	39 - 185	1	27
Vinyl chloride			30.0	30.9		ug/L		103	70 - 139	3	20
Xylenes, Total			90.0	93.1		ug/L		103	86 - 123	4	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*85 - 113*
Dibromofluoromethane	*100*		*82 - 114*
Toluene-d8 (Surr)	*100*		*92 - 107*

Lab Sample ID: MB 640-84172/2
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 13:05	1
Acetonitrile	42	U	200	42	ug/L			08/23/11 13:05	1
Acrolein	7.5	U	20	7.5	ug/L			08/23/11 13:05	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 13:05	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 13:05	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 13:05	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:05	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 13:05	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 13:05	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 13:05	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 13:05	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 13:05	1
2-Chloro-1,3-butadiene	0.24	U	1.0	0.24	ug/L			08/23/11 13:05	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 13:05	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 13:05	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 13:05	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:05	1
3-Chloro-1-propene	0.25	U	1.0	0.25	ug/L			08/23/11 13:05	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 13:05	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 13:05	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:05	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 13:05	1
Dichlorodifluoromethane	0.55	U	1.0	0.55	ug/L			08/23/11 13:05	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 13:05	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:05	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 13:05	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 13:05	1
1,3-Dichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 13:05	1
2,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 13:05	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84172/2
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			08/23/11 13:05	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 13:05	1
Ethyl methacrylate	0.28	U	1.0	0.28	ug/L			08/23/11 13:05	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 13:05	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 13:05	1
Isobutyl alcohol	52	U	200	52	ug/L			08/23/11 13:05	1
Methacrylonitrile	4.2	U	20	4.2	ug/L			08/23/11 13:05	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 13:05	1
Methyl methacrylate	0.19	U	1.0	0.19	ug/L			08/23/11 13:05	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 13:05	1
m-Xylene & p-Xylene	0.45	U	2.0	0.45	ug/L			08/23/11 13:05	1
o-Xylene	0.23	U	1.0	0.23	ug/L			08/23/11 13:05	1
Propionitrile	4.7	U	20	4.7	ug/L			08/23/11 13:05	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 13:05	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 13:05	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:05	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 13:05	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 13:05	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 13:05	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 13:05	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 13:05	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 13:05	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 13:05	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 13:05	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:05	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 13:05	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 13:05	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 13:05	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 13:05	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/23/11 13:05*	*1*
Dibromofluoromethane	*101*		*82 - 114*		*08/23/11 13:05*	*1*
Toluene-d8 (Surr)	*100*		*92 - 107*		*08/23/11 13:05*	*1*

Lab Sample ID: LCS 640-84172/5
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	285		ug/L		95	64 - 132
Acetonitrile	1530	1690		ug/L		111	43 - 150
Acrolein	600	227	J	ug/L		38	54 - 149
Acrylonitrile	30.0	33.5		ug/L		112	72 - 124
Benzene	30.0	29.4		ug/L		98	80 - 120
Bromoform	30.0	23.7		ug/L		79	64 - 132
Bromomethane	30.0	31.3		ug/L		104	37 - 146
2-Butanone (MEK)	300	277		ug/L		92	66 - 132
Carbon disulfide	30.0	34.9		ug/L		116	72 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84172/5
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Carbon tetrachloride	30.0	25.4		ug/L		85	79 - 126
Chlorobenzene	30.0	29.8		ug/L		99	82 - 116
Chlorobromomethane	30.0	31.4		ug/L		105	72 - 124
2-Chloro-1,3-butadiene	30.0	36.7		ug/L		122	70 - 128
Chlorodibromomethane	30.0	25.6		ug/L		85	73 - 125
Chloroethane	30.0	30.0		ug/L		100	47 - 160
Chloroform	30.0	30.8		ug/L		103	81 - 120
Chloromethane	30.0	31.8		ug/L		106	61 - 136
3-Chloro-1-propene	60.0	64.8		ug/L		108	63 - 139
cis-1,2-Dichloroethene	30.0	31.9		ug/L		106	75 - 128
cis-1,3-Dichloropropene	30.0	29.5		ug/L		98	79 - 120
Dibromomethane	30.0	29.0		ug/L		97	80 - 119
Dichlorobromomethane	30.0	26.6		ug/L		89	82 - 120
Dichlorodifluoromethane	30.0	27.9		ug/L		93	57 - 170
1,1-Dichloroethane	30.0	31.5		ug/L		105	78 - 124
1,2-Dichloroethane	30.0	27.8		ug/L		93	82 - 123
1,1-Dichloroethene	30.0	30.4		ug/L		101	72 - 133
1,2-Dichloropropane	30.0	29.2		ug/L		97	78 - 121
1,3-Dichloropropane	30.0	29.0		ug/L		97	70 - 124
2,2-Dichloropropane	30.0	32.9		ug/L		110	76 - 132
1,1-Dichloropropene	30.0	29.3		ug/L		98	84 - 123
Ethylbenzene	30.0	29.2		ug/L		97	85 - 119
Ethyl methacrylate	60.0	55.3		ug/L		92	67 - 129
2-Hexanone	300	270		ug/L		90	54 - 132
Iodomethane	60.0	73.4		ug/L		122	32 - 169
Isobutyl alcohol	1530	1180		ug/L		77	45 - 135
Methacrylonitrile	330	312		ug/L		94	50 - 136
Methylene Chloride	30.0	32.0		ug/L		107	75 - 125
Methyl methacrylate	60.0	59.6		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	300	271		ug/L		90	67 - 134
m-Xylene & p-Xylene	60.0	65.7		ug/L		110	86 - 123
o-Xylene	30.0	33.4		ug/L		111	85 - 123
Propionitrile	330	360		ug/L		109	68 - 126
Styrene	30.0	29.4		ug/L		98	86 - 121
1,1,1,2-Tetrachloroethane	30.0	29.7		ug/L		99	80 - 118
1,1,2,2-Tetrachloroethane	30.0	27.8		ug/L		93	78 - 118
Tetrachloroethene	30.0	31.5		ug/L		105	81 - 126
Toluene	30.0	29.6		ug/L		99	82 - 122
trans-1,4-Dichloro-2-butene	90.0	92.1		ug/L		102	76 - 128
trans-1,2-Dichloroethene	30.0	31.5		ug/L		105	77 - 128
trans-1,3-Dichloropropene	30.0	27.9		ug/L		93	76 - 122
1,1,1-Trichloroethane	30.0	28.2		ug/L		94	85 - 122
1,1,2-Trichloroethane	30.0	29.4		ug/L		98	76 - 122
Trichloroethene	30.0	28.9		ug/L		96	82 - 121
Trichlorofluoromethane	30.0	32.4		ug/L		108	84 - 139
1,2,3-Trichloropropane	30.0	28.3		ug/L		94	79 - 128
Vinyl acetate	60.0	60.6		ug/L		101	39 - 185
Vinyl chloride	30.0	31.6		ug/L		105	70 - 139
Xylenes, Total	90.0	99.1		ug/L		110	86 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84172/5
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		85 - 113
Dibromofluoromethane	105		82 - 114
Toluene-d8 (Surr)	101		92 - 107

Lab Sample ID: LCSD 640-84172/6
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			300	278		ug/L		93	64 - 132	2	28
Acetonitrile			1530	1650		ug/L		108	43 - 150	3	32
Acrolein			600	219	J	ug/L		36	54 - 149	3	38
Acrylonitrile			30.0	32.5		ug/L		108	72 - 124	3	40
Benzene			30.0	28.5		ug/L		95	80 - 120	3	20
Bromoform			30.0	23.2		ug/L		77	64 - 132	2	20
Bromomethane			30.0	29.1		ug/L		97	37 - 146	7	38
2-Butanone (MEK)			300	272		ug/L		91	66 - 132	2	28
Carbon disulfide			30.0	34.0		ug/L		113	72 - 132	3	23
Carbon tetrachloride			30.0	24.6		ug/L		82	79 - 126	3	20
Chlorobenzene			30.0	28.7		ug/L		96	82 - 116	4	20
Chlorobromomethane			30.0	30.5		ug/L		102	72 - 124	3	20
2-Chloro-1,3-butadiene			30.0	35.2		ug/L		117	70 - 128	4	20
Chlorodibromomethane			30.0	25.1		ug/L		84	73 - 125	2	20
Chloroethane			30.0	28.9		ug/L		96	47 - 160	4	35
Chloroform			30.0	29.8		ug/L		99	81 - 120	3	20
Chloromethane			30.0	30.7		ug/L		102	61 - 136	3	20
3-Chloro-1-propene			60.0	63.7		ug/L		106	63 - 139	2	25
cis-1,2-Dichloroethene			30.0	30.7		ug/L		102	75 - 128	4	20
cis-1,3-Dichloropropene			30.0	28.0		ug/L		93	79 - 120	5	20
Dibromomethane			30.0	28.5		ug/L		95	80 - 119	2	20
Dichlorobromomethane			30.0	26.0		ug/L		87	82 - 120	2	20
Dichlorodifluoromethane			30.0	26.3		ug/L		88	57 - 170	6	39
1,1-Dichloroethane			30.0	30.5		ug/L		102	78 - 124	3	20
1,2-Dichloroethane			30.0	26.6		ug/L		89	82 - 123	4	20
1,1-Dichloroethene			30.0	29.1		ug/L		97	72 - 133	4	24
1,2-Dichloropropane			30.0	28.0		ug/L		93	78 - 121	4	20
1,3-Dichloropropane			30.0	27.8		ug/L		93	70 - 124	4	20
2,2-Dichloropropane			30.0	31.9		ug/L		106	76 - 132	3	20
1,1-Dichloropropene			30.0	28.3		ug/L		94	84 - 123	4	20
Ethylbenzene			30.0	28.4		ug/L		95	85 - 119	3	20
Ethyl methacrylate			60.0	53.9		ug/L		90	67 - 129	2	28
2-Hexanone			300	267		ug/L		89	54 - 132	1	32
Iodomethane			60.0	74.6		ug/L		124	32 - 169	2	40
Isobutyl alcohol			1530	1160		ug/L		76	45 - 135	1	48
Methacrylonitrile			330	311		ug/L		94	50 - 136	0	39
Methylene Chloride			30.0	30.7		ug/L		102	75 - 125	4	22
Methyl methacrylate			60.0	58.5		ug/L		97	66 - 131	2	28
4-Methyl-2-pentanone (MIBK)			300	272		ug/L		91	67 - 134	0	20
m-Xylene & p-Xylene			60.0	63.7		ug/L		106	86 - 123	3	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84172/6
Matrix: Water
Analysis Batch: 84172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
o-Xylene			30.0	32.2		ug/L		107	85 - 123	3	20
Propionitrile			330	357		ug/L		108	68 - 126	1	24
Styrene			30.0	28.7		ug/L		96	86 - 121	3	20
1,1,1,2-Tetrachloroethane			30.0	29.5		ug/L		98	80 - 118	1	20
1,1,2,2-Tetrachloroethane			30.0	26.7		ug/L		89	78 - 118	4	20
Tetrachloroethene			30.0	30.8		ug/L		103	81 - 126	2	20
Toluene			30.0	28.5		ug/L		95	82 - 122	4	20
trans-1,4-Dichloro-2-butene			90.0	92.5		ug/L		103	76 - 128	0	26
trans-1,2-Dichloroethene			30.0	30.1		ug/L		100	77 - 128	5	22
trans-1,3-Dichloropropene			30.0	26.8		ug/L		89	76 - 122	4	20
1,1,1-Trichloroethane			30.0	27.1		ug/L		90	85 - 122	4	20
1,1,2-Trichloroethane			30.0	28.1		ug/L		94	76 - 122	5	20
Trichloroethene			30.0	27.9		ug/L		93	82 - 121	3	20
Trichlorofluoromethane			30.0	31.5		ug/L		105	84 - 139	3	20
1,2,3-Trichloropropane			30.0	27.0		ug/L		90	79 - 128	5	20
Vinyl acetate			60.0	59.4		ug/L		99	39 - 185	2	27
Vinyl chloride			30.0	30.6		ug/L		102	70 - 139	3	20
Xylenes, Total			90.0	95.9		ug/L		107	86 - 123	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*85 - 113*
Dibromofluoromethane	*105*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 640-84139/1-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84139

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.70	U	10	0.70	ug/L		08/22/11 16:15	08/24/11 17:35	1
Acenaphthylene	0.85	U	10	0.85	ug/L		08/22/11 16:15	08/24/11 17:35	1
Acetophenone	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Acetylaminofluorene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
4-Aminobiphenyl	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 17:35	1
Anthracene	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 17:35	1
Benzo[a]anthracene	0.85	U	10	0.85	ug/L		08/22/11 16:15	08/24/11 17:35	1
Benzo[b]fluoranthene	0.98	U	10	0.98	ug/L		08/22/11 16:15	08/24/11 17:35	1
Benzo[k]fluoranthene	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		08/22/11 16:15	08/24/11 17:35	1
Benzo[a]pyrene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
Benzyl alcohol	0.78	U	10	0.78	ug/L		08/22/11 16:15	08/24/11 17:35	1
Bis(2-chloroethoxy)methane	0.72	U	10	0.72	ug/L		08/22/11 16:15	08/24/11 17:35	1
Bis(2-chloroethyl)ether	0.59	U	10	0.59	ug/L		08/22/11 16:15	08/24/11 17:35	1
Bis(2-ethylhexyl) phthalate	0.65	U	10	0.65	ug/L		08/22/11 16:15	08/24/11 17:35	1
4-Bromophenyl phenyl ether	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 17:35	1
Butyl benzyl phthalate	0.89	U	10	0.89	ug/L		08/22/11 16:15	08/24/11 17:35	1
4-Chloroaniline	0.68	U	20	0.68	ug/L		08/22/11 16:15	08/24/11 17:35	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 640-84139/1-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84139

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Chlorophenol	0.52	U	10	0.52	ug/L		08/22/11 16:15	08/24/11 17:35	1
4-Chlorophenyl phenyl ether	0.88	U	10	0.88	ug/L		08/22/11 16:15	08/24/11 17:35	1
Chrysene	0.95	U	10	0.95	ug/L		08/22/11 16:15	08/24/11 17:35	1
Diallate	0.46	U	10	0.46	ug/L		08/22/11 16:15	08/24/11 17:35	1
Dibenz(a,h)anthracene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 17:35	1
Dibenzofuran	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 17:35	1
Di-n-butyl phthalate	1.7	U	10	1.7	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,2-Dichlorobenzene	0.44	U	10	0.44	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,3-Dichlorobenzene	0.42	U	10	0.42	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,4-Dichlorobenzene	0.39	U	10	0.39	ug/L		08/22/11 16:15	08/24/11 17:35	1
3,3'-Dichlorobenzidine	0.75	U	20	0.75	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,4-Dichlorophenol	0.72	U	10	0.72	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,6-Dichlorophenol	0.86	U	10	0.86	ug/L		08/22/11 16:15	08/24/11 17:35	1
Diethyl phthalate	1.4	U	10	1.4	ug/L		08/22/11 16:15	08/24/11 17:35	1
p-Dimethylamino azobenzene	0.39	U	10	0.39	ug/L		08/22/11 16:15	08/24/11 17:35	1
7,12-Dimethylbenz(a)anthracene	0.34	U	10	0.34	ug/L		08/22/11 16:15	08/24/11 17:35	1
3,3'-Dimethylbenzidine	3.0	U	20	3.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,4-Dimethylphenol	0.75	U	10	0.75	ug/L		08/22/11 16:15	08/24/11 17:35	1
Dimethyl phthalate	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,3-Dinitrobenzene	1.7	U	50	1.7	ug/L		08/22/11 16:15	08/24/11 17:35	1
4,6-Dinitro-2-methylphenol	0.96	U	50	0.96	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,4-Dinitrophenol	3.9	U	50	3.9	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,4-Dinitrotoluene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,6-Dinitrotoluene	0.88	U	10	0.88	ug/L		08/22/11 16:15	08/24/11 17:35	1
Dinoseb	0.98	U	10	0.98	ug/L		08/22/11 16:15	08/24/11 17:35	1
Di-n-octyl phthalate	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 17:35	1
Ethyl methanesulfonate	0.92	U	10	0.92	ug/L		08/22/11 16:15	08/24/11 17:35	1
Fluoranthene	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 17:35	1
Fluorene	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
Hexachlorobenzene	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 17:35	1
Hexachlorobutadiene	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 17:35	1
Hexachlorocyclopentadiene	0.21	U	10	0.21	ug/L		08/22/11 16:15	08/24/11 17:35	1
Hexachloroethane	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 17:35	1
Hexachloropropene	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 17:35	1
Indeno[1,2,3-cd]pyrene	1.3	U	10	1.3	ug/L		08/22/11 16:15	08/24/11 17:35	1
Isophorone	0.81	U	10	0.81	ug/L		08/22/11 16:15	08/24/11 17:35	1
Isosafrole	0.90	U	10	0.90	ug/L		08/22/11 16:15	08/24/11 17:35	1
Kepone	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 17:35	1
Methapyrilene	1.0	U	2000	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
3-Methylcholanthrene	0.61	U	10	0.61	ug/L		08/22/11 16:15	08/24/11 17:35	1
Methyl methanesulfonate	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Methylnaphthalene	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Methylphenol	0.78	U	10	0.78	ug/L		08/22/11 16:15	08/24/11 17:35	1
3 & 4 Methylphenol	0.76	U	10	0.76	ug/L		08/22/11 16:15	08/24/11 17:35	1
Naphthalene	0.57	U	10	0.57	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,4-Naphthoquinone	0.34	U	10	0.34	ug/L		08/22/11 16:15	08/24/11 17:35	1
1-Naphthylamine	0.62	U	10	0.62	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Naphthylamine	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 17:35	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 640-84139/1-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84139

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	0.84	U	50	0.84	ug/L		08/22/11 16:15	08/24/11 17:35	1
3-Nitroaniline	1.4	U	50	1.4	ug/L		08/22/11 16:15	08/24/11 17:35	1
4-Nitroaniline	1.2	U	50	1.2	ug/L		08/22/11 16:15	08/24/11 17:35	1
Nitrobenzene	0.63	U	10	0.63	ug/L		08/22/11 16:15	08/24/11 17:35	1
2-Nitrophenol	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 17:35	1
4-Nitrophenol	1.3	U	50	1.3	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitro-o-toluidine	0.74	U	10	0.74	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosodiethylamine	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosodimethylamine	3.1	U	10	3.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosodi-n-butylamine	0.66	U	10	0.66	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosodi-n-propylamine	0.82	U	10	0.82	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosodiphenylamine	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosomethylethylamine	1.2	U	10	1.2	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosopiperidine	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
N-Nitrosopyrrolidine	0.70	U	10	0.70	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,2'-oxybis[1-chloropropane]	0.71	U	10	0.71	ug/L		08/22/11 16:15	08/24/11 17:35	1
Pentachlorobenzene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
Pentachloronitrobenzene	0.54	U	10	0.54	ug/L		08/22/11 16:15	08/24/11 17:35	1
Pentachlorophenol	1.1	U	50	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
Phenacetin	0.53	U	10	0.53	ug/L		08/22/11 16:15	08/24/11 17:35	1
Phenanthrene	1.5	U	10	1.5	ug/L		08/22/11 16:15	08/24/11 17:35	1
Phenol	0.69	U	10	0.69	ug/L		08/22/11 16:15	08/24/11 17:35	1
p-Phenylene diamine	500	U	2000	500	ug/L		08/22/11 16:15	08/24/11 17:35	1
Pronamide	0.35	U	10	0.35	ug/L		08/22/11 16:15	08/24/11 17:35	1
Pyrene	1.0	U	10	1.0	ug/L		08/22/11 16:15	08/24/11 17:35	1
Safrole, Total	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,2,4,5-Tetrachlorobenzene	0.90	U	10	0.90	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,3,4,6-Tetrachlorophenol	3.8	U	10	3.8	ug/L		08/22/11 16:15	08/24/11 17:35	1
o-Toluidine	0.64	U	10	0.64	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,2,4-Trichlorobenzene	0.51	U	10	0.51	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,4,5-Trichlorophenol	1.1	U	10	1.1	ug/L		08/22/11 16:15	08/24/11 17:35	1
2,4,6-Trichlorophenol	0.93	U	10	0.93	ug/L		08/22/11 16:15	08/24/11 17:35	1
o,o',o''-Triethylphosphorothioate	0.80	U	10	0.80	ug/L		08/22/11 16:15	08/24/11 17:35	1
1,3,5-Trinitrobenzene	0.58	U	10	0.58	ug/L		08/22/11 16:15	08/24/11 17:35	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*92*		*39 - 123*	*08/22/11 16:15*	*08/24/11 17:35*	*1*
2-Fluorobiphenyl	*96*		*31 - 113*	*08/22/11 16:15*	*08/24/11 17:35*	*1*
Terphenyl-d14	*91*		*10 - 138*	*08/22/11 16:15*	*08/24/11 17:35*	*1*
Phenol-d5	*76*		*23 - 123*	*08/22/11 16:15*	*08/24/11 17:35*	*1*
2-Fluorophenol	*74*		*27 - 111*	*08/22/11 16:15*	*08/24/11 17:35*	*1*
2,4,6-Tribromophenol	*98*		*42 - 128*	*08/22/11 16:15*	*08/24/11 17:35*	*1*

Lab Sample ID: LCS 640-84139/2-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84139

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Acenaphthene			100	80.5		ug/L		81	50 - 108		

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 640-84139/2-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthylene	100	80.2		ug/L		80	48 - 110
Anthracene	100	89.0		ug/L		89	66 - 106
Benzo[a]anthracene	100	91.6		ug/L		92	61 - 110
Benzo[b]fluoranthene	100	86.2		ug/L		86	64 - 114
Benzo[k]fluoranthene	100	92.9		ug/L		93	64 - 115
Benzo[g,h,i]perylene	100	92.5		ug/L		92	52 - 117
Benzo[a]pyrene	100	90.2		ug/L		90	62 - 108
Benzyl alcohol	100	11.3	J	ug/L		11	46 - 114
Bis(2-chloroethoxy)methane	100	94.2		ug/L		94	56 - 116
Bis(2-chloroethyl)ether	100	86.3		ug/L		86	45 - 110
Bis(2-ethylhexyl) phthalate	100	93.8		ug/L		94	59 - 124
4-Bromophenyl phenyl ether	100	87.7		ug/L		88	54 - 100
Butyl benzyl phthalate	100	92.4		ug/L		92	54 - 134
4-Chloroaniline	100	52.0		ug/L		52	10 - 100
4-Chloro-3-methylphenol	100	69.8		ug/L		70	50 - 115
2-Chloronaphthalene	100	69.0		ug/L		69	41 - 108
2-Chlorophenol	100	79.4		ug/L		79	47 - 109
4-Chlorophenyl phenyl ether	100	81.0		ug/L		81	52 - 105
Chrysene	100	90.3		ug/L		90	64 - 119
Dibenz(a,h)anthracene	100	90.6		ug/L		91	54 - 116
Dibenzofuran	100	82.2		ug/L		82	54 - 108
Di-n-butyl phthalate	100	97.0		ug/L		97	71 - 108
1,2-Dichlorobenzene	100	48.8		ug/L		49	20 - 100
1,3-Dichlorobenzene	100	41.9		ug/L		42	16 - 100
1,4-Dichlorobenzene	100	44.8		ug/L		45	17 - 100
2,4-Dichlorophenol	100	89.2		ug/L		89	50 - 120
Diethyl phthalate	100	96.4		ug/L		96	58 - 115
2,4-Dimethylphenol	100	70.8		ug/L		71	22 - 100
Dimethyl phthalate	100	94.1		ug/L		94	62 - 110
1,3-Dinitrobenzene	100	94.0		ug/L		94	45 - 135
4,6-Dinitro-2-methylphenol	100	101		ug/L		101	28 - 133
2,4-Dinitrophenol	100	101		ug/L		101	10 - 162
2,4-Dinitrotoluene	100	103		ug/L		103	64 - 118
2,6-Dinitrotoluene	100	101		ug/L		101	62 - 113
Di-n-octyl phthalate	100	92.7		ug/L		93	57 - 128
Fluoranthene	100	97.6		ug/L		98	70 - 113
Fluorene	100	86.9		ug/L		87	56 - 110
Hexachlorobenzene	100	88.9		ug/L		89	60 - 106
Hexachlorobutadiene	100	29.0		ug/L		29	14 - 100
Hexachlorocyclopentadiene	100	20.1		ug/L		20	10 - 100
Hexachloroethane	100	30.0		ug/L		30	12 - 100
Indeno[1,2,3-cd]pyrene	100	87.7		ug/L		88	43 - 122
Isophorone	100	86.6		ug/L		87	56 - 113
2-Methylnaphthalene	100	61.9		ug/L		62	37 - 104
2-Methylphenol	100	80.9		ug/L		81	46 - 111
3 & 4 Methylphenol	200	156		ug/L		78	30 - 135
Naphthalene	100	62.1		ug/L		62	31 - 104
2-Nitroaniline	100	96.2		ug/L		96	59 - 117
3-Nitroaniline	100	83.1		ug/L		83	43 - 118
4-Nitroaniline	100	80.3		ug/L		80	48 - 112

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 640-84139/2-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrobenzene	100	85.6		ug/L		86	52 - 119
2-Nitrophenol	100	91.4		ug/L		91	50 - 111
4-Nitrophenol	100	77.1		ug/L		77	44 - 126
N-Nitrosodimethylamine	100	66.0		ug/L		66	43 - 104
N-Nitrosodi-n-propylamine	100	84.8		ug/L		85	52 - 115
N-Nitrosodiphenylamine	100	87.8		ug/L		88	59 - 101
2,2'-oxybis[1-chloropropane]	100	74.1		ug/L		74	46 - 120
Pentachlorophenol	100	85.6		ug/L		86	26 - 123
Phenanthrene	100	92.9		ug/L		93	65 - 107
Phenol	100	66.2		ug/L		66	47 - 104
Pyrene	100	86.7		ug/L		87	49 - 132
2,3,4,6-Tetrachlorophenol	100	83.3		ug/L		83	45 - 135
1,2,4-Trichlorobenzene	100	44.1		ug/L		44	22 - 100
2,4,5-Trichlorophenol	100	83.7		ug/L		84	49 - 114
2,4,6-Trichlorophenol	100	87.5		ug/L		87	50 - 113

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*93*		*39 - 123*
2-Fluorobiphenyl	*91*		*31 - 113*
Terphenyl-d14	*92*		*10 - 138*
Phenol-d5	*76*		*23 - 123*
2-Fluorophenol	*76*		*27 - 111*
2,4,6-Tribromophenol	*104*		*42 - 128*

Lab Sample ID: LCSD 640-84139/3-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	100	80.9		ug/L		81	50 - 108	1	40
Acenaphthylene	100	82.1		ug/L		82	48 - 110	2	40
Anthracene	100	87.6		ug/L		88	66 - 106	2	40
Benzo[a]anthracene	100	91.2		ug/L		91	61 - 110	0	40
Benzo[b]fluoranthene	100	86.4		ug/L		86	64 - 114	0	40
Benzo[k]fluoranthene	100	92.1		ug/L		92	64 - 115	1	40
Benzo[g,h,i]perylene	100	90.6		ug/L		91	52 - 117	2	40
Benzo[a]pyrene	100	90.3		ug/L		90	62 - 108	0	40
Benzyl alcohol	100	8.83	I J	ug/L		9	46 - 114	25	40
Bis(2-chloroethoxy)methane	100	86.4		ug/L		86	56 - 116	9	40
Bis(2-chloroethyl)ether	100	81.5		ug/L		81	45 - 110	6	40
Bis(2-ethylhexyl) phthalate	100	92.9		ug/L		93	59 - 124	1	40
4-Bromophenyl phenyl ether	100	87.3		ug/L		87	54 - 100	0	40
Butyl benzyl phthalate	100	94.1		ug/L		94	54 - 134	2	40
4-Chloroaniline	100	60.6		ug/L		61	10 - 100	15	100
4-Chloro-3-methylphenol	100	67.8		ug/L		68	50 - 115	3	40
2-Chloronaphthalene	100	73.9		ug/L		74	41 - 108	7	40
2-Chlorophenol	100	61.9		ug/L		62	47 - 109	25	40
4-Chlorophenyl phenyl ether	100	84.2		ug/L		84	52 - 105	4	40
Chrysene	100	90.6		ug/L		91	64 - 119	0	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 640-84139/3-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84139

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene			100	90.4		ug/L		90	54 - 116	0	40
Dibenzofuran			100	82.6		ug/L		83	54 - 108	0	40
Di-n-butyl phthalate			100	93.5		ug/L		93	71 - 108	4	40
1,2-Dichlorobenzene			100	46.3		ug/L		46	20 - 100	5	40
1,3-Dichlorobenzene			100	38.3		ug/L		38	16 - 100	9	40
1,4-Dichlorobenzene			100	41.2		ug/L		41	17 - 100	8	40
2,4-Dichlorophenol			100	72.6		ug/L		73	50 - 120	20	40
Diethyl phthalate			100	94.5		ug/L		95	58 - 115	2	40
2,4-Dimethylphenol			100	55.8		ug/L		56	22 - 100	24	40
Dimethyl phthalate			100	93.6		ug/L		94	62 - 110	1	40
1,3-Dinitrobenzene			100	93.6		ug/L		94	45 - 135	0	40
4,6-Dinitro-2-methylphenol			100	97.8		ug/L		98	28 - 133	3	40
2,4-Dinitrophenol			100	101		ug/L		101	10 - 162	1	40
2,4-Dinitrotoluene			100	98.9		ug/L		99	64 - 118	4	40
2,6-Dinitrotoluene			100	96.9		ug/L		97	62 - 113	5	40
Di-n-octyl phthalate			100	94.0		ug/L		94	57 - 128	1	40
Fluoranthene			100	94.3		ug/L		94	70 - 113	4	40
Fluorene			100	88.4		ug/L		88	56 - 110	2	40
Hexachlorobenzene			100	84.9		ug/L		85	60 - 106	5	40
Hexachlorobutadiene			100	36.9		ug/L		37	14 - 100	24	40
Hexachlorocyclopentadiene			100	28.6		ug/L		29	10 - 100	35	100
Hexachloroethane			100	30.0		ug/L		30	12 - 100	0	40
Indeno[1,2,3-cd]pyrene			100	89.6		ug/L		90	43 - 122	2	40
Isophorone			100	79.6		ug/L		80	56 - 113	8	40
2-Methylnaphthalene			100	67.5		ug/L		68	37 - 104	9	40
2-Methylphenol			100	64.5		ug/L		65	46 - 111	23	40
3 & 4 Methylphenol			200	129		ug/L		65	30 - 135	18	40
Naphthalene			100	63.9		ug/L		64	31 - 104	3	40
2-Nitroaniline			100	92.1		ug/L		92	59 - 117	4	40
3-Nitroaniline			100	83.3		ug/L		83	43 - 118	0	40
4-Nitroaniline			100	79.3		ug/L		79	48 - 112	1	40
Nitrobenzene			100	79.7		ug/L		80	52 - 119	7	40
2-Nitrophenol			100	72.7		ug/L		73	50 - 111	23	40
4-Nitrophenol			100	77.1		ug/L		77	44 - 126	0	40
N-Nitrosodimethylamine			100	54.6		ug/L		55	43 - 104	19	40
N-Nitrosodi-n-propylamine			100	79.2		ug/L		79	52 - 115	7	40
N-Nitrosodiphenylamine			100	86.7		ug/L		87	59 - 101	1	40
2,2'-oxybis[1-chloropropane]			100	67.8		ug/L		68	46 - 120	9	40
Pentachlorophenol			100	82.8		ug/L		83	26 - 123	3	40
Phenanthrene			100	89.8		ug/L		90	65 - 107	3	40
Phenol			100	54.0		ug/L		54	47 - 104	20	40
Pyrene			100	87.9		ug/L		88	49 - 132	1	40
2,3,4,6-Tetrachlorophenol			100	79.8		ug/L		80	45 - 135	4	40
1,2,4-Trichlorobenzene			100	48.9		ug/L		49	22 - 100	10	40
2,4,5-Trichlorophenol			100	77.6		ug/L		78	49 - 114	8	40
2,4,6-Trichlorophenol			100	77.4		ug/L		77	50 - 113	12	40

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*84*		*39 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 640-84139/3-A
Matrix: Water
Analysis Batch: 84302

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84139

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	86		31 - 113
Terphenyl-d14	91		10 - 138
Phenol-d5	62		23 - 123
2-Fluorophenol	51		27 - 111
2,4,6-Tribromophenol	99		42 - 128

Lab Sample ID: 640-34899-1 MS
Matrix: Water
Analysis Batch: 84302

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	0.70	U	100	28.7	J	ug/L		29	43 - 135
Acenaphthylene	0.85	U	100	6.16	I J	ug/L		6	45 - 135
Anthracene	1.3	U	100	23.6	J	ug/L		24	45 - 135
Benzo[a]anthracene	0.85	U	100	22.1	J	ug/L		22	45 - 135
Benzo[b]fluoranthene	0.98	U	100	21.8	J	ug/L		22	45 - 135
Benzo[k]fluoranthene	1.1	U	100	23.6	J	ug/L		24	45 - 135
Benzo[g,h,i]perylene	1.4	U	100	22.3	J	ug/L		22	45 - 135
Benzo[a]pyrene	1.0	U	100	17.7	J	ug/L		18	45 - 135
Benzyl alcohol	0.78	U J	100	21.0	J	ug/L		21	32 - 135
Bis(2-chloroethoxy)methane	0.72	U	100	38.7	J	ug/L		39	45 - 135
Bis(2-chloroethyl)ether	0.59	U	100	33.6	J	ug/L		34	45 - 135
Bis(2-ethylhexyl) phthalate	16		100	29.0	J	ug/L		13	41 - 135
4-Bromophenyl phenyl ether	1.3	U	100	24.6	J	ug/L		25	39 - 135
Butyl benzyl phthalate	0.89	U	100	24.9	J	ug/L		25	45 - 135
4-Chloroaniline	0.68	U	100	0.68	U J	ug/L		0	10 - 135
4-Chloro-3-methylphenol	1.2	U	100	1.2	U J	ug/L		0	42 - 135
2-Chloronaphthalene	0.60	U	100	25.5	J	ug/L		25	45 - 135
2-Chlorophenol	0.52	U	100	0.52	U J	ug/L		0	38 - 135
4-Chlorophenyl phenyl ether	0.88	U	100	25.0	J	ug/L		25	45 - 135
Chrysene	0.95	U	100	23.4	J	ug/L		23	45 - 135
Dibenz(a,h)anthracene	1.2	U	100	22.8	J	ug/L		23	45 - 135
Dibenzofuran	0.80	U	100	30.3	J	ug/L		30	45 - 135
Di-n-butyl phthalate	1.7	U	100	27.2	J	ug/L		27	45 - 135
1,2-Dichlorobenzene	0.44	U	100	16.3	J	ug/L		16	34 - 135
1,3-Dichlorobenzene	0.42	U	100	13.1	J	ug/L		13	28 - 135
1,4-Dichlorobenzene	0.64	I	100	14.1	J	ug/L		13	27 - 135
2,4-Dichlorophenol	0.72	U	100	0.72	U J	ug/L		0	45 - 135
Diethyl phthalate	1.4	U	100	38.5	J	ug/L		39	45 - 135
2,4-Dimethylphenol	0.75	U	100	0.75	U J	ug/L		0	28 - 135
Dimethyl phthalate	4.3	I	100	39.5	J	ug/L		35	45 - 135
1,3-Dinitrobenzene	1.7	U	100	40.9	I J	ug/L		41	45 - 135
4,6-Dinitro-2-methylphenol	0.96	U	100	78.6		ug/L		79	33 - 135
2,4-Dinitrophenol	3.9	U	100	80.1		ug/L		80	13 - 135
2,4-Dinitrotoluene	1.2	U	100	44.7		ug/L		45	38 - 135
2,6-Dinitrotoluene	0.88	U	100	47.5		ug/L		48	45 - 135
Di-n-octyl phthalate	0.58	U	100	24.8	J	ug/L		25	45 - 135
Fluoranthene	1.5	U	100	24.0	J	ug/L		24	45 - 135
Fluorene	1.1	U	100	30.6	J	ug/L		31	45 - 135

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 640-34899-1 MS
Matrix: Water
Analysis Batch: 84302

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexachlorobenzene	1.2	U	100	23.0	J	ug/L		23	45 - 135
Hexachlorobutadiene	0.62	U	100	5.13	I J	ug/L		5	27 - 135
Hexachlorocyclopentadiene	0.21	U	100	6.11	I	ug/L		6	0 - 135
Hexachloroethane	0.71	U	100	9.04	I J	ug/L		9	26 - 135
Indeno[1,2,3-cd]pyrene	1.3	U	100	22.0	J	ug/L		22	45 - 135
Isophorone	0.81	U	100	37.0	J	ug/L		37	39 - 135
2-Methylnaphthalene	0.71	U	100	23.8	J	ug/L		24	43 - 135
2-Methylphenol	0.78	U	100	0.78	U J	ug/L		0	34 - 135
3 & 4 Methylphenol	0.76	U	200	0.76	U J	ug/L		0	30 - 135
Naphthalene	0.57	U	100	26.0	J	ug/L		26	41 - 135
2-Nitroaniline	0.84	U	100	0.84	U J	ug/L		0	28 - 135
3-Nitroaniline	1.4	U	100	1.4	U J	ug/L		0	36 - 135
4-Nitroaniline	1.2	U	100	1.2	U J	ug/L		0	23 - 135
Nitrobenzene	0.63	U	100	55.7		ug/L		56	45 - 135
2-Nitrophenol	0.58	U	100	64.3		ug/L		64	42 - 135
4-Nitrophenol	1.3	U	100	81.0		ug/L		81	38 - 135
N-Nitrosodimethylamine	3.1	U	100	26.9	J	ug/L		27	45 - 135
N-Nitrosodi-n-propylamine	0.82	U	100	35.9		ug/L		36	31 - 135
N-Nitrosodiphenylamine	1.1	U	100	26.1	J	ug/L		26	45 - 135
2,2'-oxybis[1-chloropropane]	0.71	U	100	28.8	J	ug/L		29	45 - 135
Pentachlorophenol	1.1	U	100	16.3	I J	ug/L		16	24 - 135
Phenanthrene	1.5	U	100	28.4	J	ug/L		28	45 - 135
Phenol	0.69	U	100	0.69	U J	ug/L		0	33 - 135
Pyrene	1.0	U	100	21.4	J	ug/L		21	45 - 135
2,3,4,6-Tetrachlorophenol	3.8	U	100	16.1	J	ug/L		16	45 - 135
1,2,4-Trichlorobenzene	0.51	U	100	15.3	J	ug/L		15	28 - 135
2,4,5-Trichlorophenol	1.1	U	100	1.1	U J	ug/L		0	45 - 135
2,4,6-Trichlorophenol	0.93	U	100	15.1	J	ug/L		15	45 - 135

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*77*		*39 - 123*
2-Fluorobiphenyl	*57*		*31 - 113*
Terphenyl-d14	*32*		*10 - 138*
Phenol-d5	*0*	*J*	*23 - 123*
2-Fluorophenol	*0*	*J*	*27 - 111*
2,4,6-Tribromophenol	*0*	*J*	*42 - 128*

Lab Sample ID: 640-34899-1 MSD
Matrix: Water
Analysis Batch: 84302

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	0.70	U	100	32.2	J	ug/L		32	43 - 135	12	40
Acenaphthylene	0.85	U	100	5.21	I J	ug/L		5	45 - 135	17	40
Anthracene	1.3	U	100	27.2	J	ug/L		27	45 - 135	14	40
Benzo[a]anthracene	0.85	U	100	25.9	J	ug/L		26	45 - 135	16	40
Benzo[b]fluoranthene	0.98	U	100	24.8	J	ug/L		25	45 - 135	13	40
Benzo[k]fluoranthene	1.1	U	100	26.8	J	ug/L		27	45 - 135	13	40
Benzo[g,h,i]perylene	1.4	U	100	25.1	J	ug/L		25	45 - 135	12	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 640-34899-1 MSD
Matrix: Water
Analysis Batch: 84302

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	1.0	U	100	18.1	J	ug/L		18	45 - 135	2	40
Benzyl alcohol	0.78	U J	100	13.5	J	ug/L		13	32 - 135	44	40
Bis(2-chloroethoxy)methane	0.72	U	100	44.2	J	ug/L		44	45 - 135	13	40
Bis(2-chloroethyl)ether	0.59	U	100	37.5	J	ug/L		37	45 - 135	11	40
Bis(2-ethylhexyl) phthalate	16		100	31.1	J	ug/L		16	41 - 135	7	40
4-Bromophenyl phenyl ether	1.3	U	100	29.0	J	ug/L		29	39 - 135	17	40
Butyl benzyl phthalate	0.89	U	100	28.3	J	ug/L		28	45 - 135	13	40
4-Chloroaniline	0.68	U	100	0.68	U J	ug/L		0	10 - 135	NC	100
4-Chloro-3-methylphenol	1.2	U	100	1.2	U J	ug/L		0	42 - 135	NC	40
2-Chloronaphthalene	0.60	U	100	29.5	J	ug/L		30	45 - 135	15	40
2-Chlorophenol	0.52	U	100	0.52	U J	ug/L		0	38 - 135	NC	40
4-Chlorophenyl phenyl ether	0.88	U	100	28.4	J	ug/L		28	45 - 135	13	40
Chrysene	0.95	U	100	26.8	J	ug/L		27	45 - 135	14	40
Dibenz(a,h)anthracene	1.2	U	100	26.7	J	ug/L		27	45 - 135	16	40
Dibenzofuran	0.80	U	100	34.1	J	ug/L		34	45 - 135	12	40
Di-n-butyl phthalate	1.7	U	100	30.6	J	ug/L		31	45 - 135	12	40
1,2-Dichlorobenzene	0.44	U	100	19.1	J	ug/L		19	34 - 135	16	40
1,3-Dichlorobenzene	0.42	U	100	15.4	J	ug/L		15	28 - 135	16	40
1,4-Dichlorobenzene	0.64	I	100	17.2	J	ug/L		17	27 - 135	20	40
2,4-Dichlorophenol	0.72	U	100	0.72	U J	ug/L		0	45 - 135	NC	40
Diethyl phthalate	1.4	U	100	46.3		ug/L		46	45 - 135	18	40
2,4-Dimethylphenol	0.75	U	100	0.75	U J	ug/L		0	28 - 135	NC	40
Dimethyl phthalate	4.3	I	100	45.8	J	ug/L		42	45 - 135	15	40
1,3-Dinitrobenzene	1.7	U	100	49.2	I	ug/L		49	45 - 135	18	40
4,6-Dinitro-2-methylphenol	0.96	U	100	98.8		ug/L		99	33 - 135	23	40
2,4-Dinitrophenol	3.9	U	100	102		ug/L		102	13 - 135	24	40
2,4-Dinitrotoluene	1.2	U	100	55.1		ug/L		55	38 - 135	21	40
2,6-Dinitrotoluene	0.88	U	100	55.4		ug/L		55	45 - 135	15	40
Di-n-octyl phthalate	0.58	U	100	28.8	J	ug/L		29	45 - 135	15	40
Fluoranthene	1.5	U	100	27.4	J	ug/L		27	45 - 135	13	40
Fluorene	1.1	U	100	35.6	J	ug/L		36	45 - 135	15	40
Hexachlorobenzene	1.2	U	100	26.4	J	ug/L		26	45 - 135	14	40
Hexachlorobutadiene	0.62	U	100	5.99	I J	ug/L		6	27 - 135	16	40
Hexachlorocyclopentadiene	0.21	U	100	6.95	I	ug/L		7	0 - 135	13	100
Hexachloroethane	0.71	U	100	9.81	I J	ug/L		10	26 - 135	8	40
Indeno[1,2,3-cd]pyrene	1.3	U	100	24.7	J	ug/L		25	45 - 135	11	40
Isophorone	0.81	U	100	43.6		ug/L		44	39 - 135	17	40
2-Methylnaphthalene	0.71	U	100	28.5	J	ug/L		29	43 - 135	18	40
2-Methylphenol	0.78	U	100	5.60	I J	ug/L		6	34 - 135	NC	40
3 & 4 Methylphenol	0.76	U	200	0.76	U J	ug/L		0	30 - 135	NC	40
Naphthalene	0.57	U	100	32.0	J	ug/L		32	41 - 135	21	40
2-Nitroaniline	0.84	U	100	0.84	U J	ug/L		0	28 - 135	NC	40
3-Nitroaniline	1.4	U	100	1.4	U J	ug/L		0	36 - 135	NC	40
4-Nitroaniline	1.2	U	100	1.2	U J	ug/L		0	23 - 135	NC	40
Nitrobenzene	0.63	U	100	65.5		ug/L		65	45 - 135	16	40
2-Nitrophenol	0.58	U	100	77.7		ug/L		78	42 - 135	19	40
4-Nitrophenol	1.3	U	100	83.2		ug/L		83	38 - 135	3	40
N-Nitrosodimethylamine	3.1	U	100	30.2	J	ug/L		30	45 - 135	11	40
N-Nitrosodi-n-propylamine	0.82	U	100	40.3		ug/L		40	31 - 135	12	40
N-Nitrosodiphenylamine	1.1	U	100	29.3	J	ug/L		29	45 - 135	11	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 640-34899-1 MSD — **Client Sample ID: TANK-6**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84302 — **Prep Batch: 84139**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]	0.71	U	100	32.1	J	ug/L		32	45 - 135	11	40
Pentachlorophenol	1.1	U	100	16.3	I J	ug/L		16	24 - 135	0	40
Phenanthrene	1.5	U	100	33.5	J	ug/L		33	45 - 135	16	40
Phenol	0.69	U	100	0.69	U J	ug/L		0	33 - 135	NC	40
Pyrene	1.0	U	100	24.5	J	ug/L		25	45 - 135	14	40
2,3,4,6-Tetrachlorophenol	3.8	U	100	17.6	J	ug/L		18	45 - 135	9	40
1,2,4-Trichlorobenzene	0.51	U	100	19.0	J	ug/L		19	28 - 135	22	40
2,4,5-Trichlorophenol	1.1	U	100	1.1	U J	ug/L		0	45 - 135	NC	40
2,4,6-Trichlorophenol	0.93	U	100	16.7	J	ug/L		17	45 - 135	10	40

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*91*		*39 - 123*
2-Fluorobiphenyl	*73*		*31 - 113*
Terphenyl-d14	*14*		*10 - 138*
Phenol-d5	*0*	*J*	*23 - 123*
2-Fluorophenol	*0*	*J*	*27 - 111*
2,4,6-Tribromophenol	*0*	*J*	*42 - 128*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 640-84129/10-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84224 — **Prep Batch: 84129**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0061	U	0.020	0.0061	ug/L		08/22/11 14:35	08/23/11 17:56	1
Ethylene Dibromide	0.0065	U	0.020	0.0065	ug/L		08/22/11 14:35	08/23/11 17:56	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*93*		*56 - 144*	*08/22/11 14:35*	*08/23/11 17:56*	*1*

Lab Sample ID: LCS 640-84129/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84224 — **Prep Batch: 84129**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dibromo-3-Chloropropane	0.250	0.227		ug/L		91	89 - 132
Ethylene Dibromide	0.250	0.213		ug/L		85	85 - 118

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*94*		*56 - 144*

Lab Sample ID: LCSD 640-84129/12-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84224 — **Prep Batch: 84129**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.250	0.243		ug/L		97	89 - 132	7	11
Ethylene Dibromide	0.250	0.239		ug/L		96	85 - 118	11	12

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCSD 640-84129/12-A
Matrix: Water
Analysis Batch: 84224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84129

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 640-84165/1-A
Matrix: Water
Analysis Batch: 84325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84165

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.17	U	1.0	0.17	ug/L		08/23/11 14:00	08/26/11 13:55	1
PCB-1221	0.18	U	2.0	0.18	ug/L		08/23/11 14:00	08/26/11 13:55	1
PCB-1232	0.12	U	1.0	0.12	ug/L		08/23/11 14:00	08/26/11 13:55	1
PCB-1242	0.094	U	1.0	0.094	ug/L		08/23/11 14:00	08/26/11 13:55	1
PCB-1248	0.12	U	1.0	0.12	ug/L		08/23/11 14:00	08/26/11 13:55	1
PCB-1254	0.10	U	1.0	0.10	ug/L		08/23/11 14:00	08/26/11 13:55	1
PCB-1260	0.087	U	1.0	0.087	ug/L		08/23/11 14:00	08/26/11 13:55	1

Lab Sample ID: MB 640-84165/1-A
Matrix: Water
Analysis Batch: 84586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84165

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.00088	U	0.10	0.00088	ug/L		08/23/11 14:00	08/31/11 19:23	1
4,4'-DDE	0.0010	U	0.10	0.0010	ug/L		08/23/11 14:00	08/31/11 19:23	1
alpha-BHC	0.0030	U	0.050	0.0030	ug/L		08/23/11 14:00	08/31/11 19:23	1
beta-BHC	0.0040	U	0.050	0.0040	ug/L		08/23/11 14:00	08/31/11 19:23	1
Chlordane (technical)	0.096	U	0.50	0.096	ug/L		08/23/11 14:00	08/31/11 19:23	1
delta-BHC	0.0029	U	0.050	0.0029	ug/L		08/23/11 14:00	08/31/11 19:23	1
Endosulfan I	0.00094	U	0.050	0.00094	ug/L		08/23/11 14:00	08/31/11 19:23	1
Endosulfan II	0.0018	U	0.10	0.0018	ug/L		08/23/11 14:00	08/31/11 19:23	1
Endosulfan sulfate	0.0028	U	0.10	0.0028	ug/L		08/23/11 14:00	08/31/11 19:23	1
Endrin aldehyde	0.00079	U	0.10	0.00079	ug/L		08/23/11 14:00	08/31/11 19:23	1
Chlorobenzilate	0.055	U	0.50	0.055	ug/L		08/23/11 14:00	08/31/11 19:23	1
Heptachlor epoxide	0.0013	U	0.050	0.0013	ug/L		08/23/11 14:00	08/31/11 19:23	1
Isodrin	0.0079	U	0.050	0.0079	ug/L		08/23/11 14:00	08/31/11 19:23	1
Methoxychlor	0.0021	U	0.50	0.0021	ug/L		08/23/11 14:00	08/31/11 19:23	1
Toxaphene	0.24	U	5.0	0.24	ug/L		08/23/11 14:00	08/31/11 19:23	1
4,4'-DDT	0.0035	U	0.10	0.0035	ug/L		08/23/11 14:00	08/31/11 19:23	1
Aldrin	0.0013	U	0.050	0.0013	ug/L		08/23/11 14:00	08/31/11 19:23	1
Dieldrin	0.00078	U	0.10	0.00078	ug/L		08/23/11 14:00	08/31/11 19:23	1
Endrin	0.00064	U	0.10	0.00064	ug/L		08/23/11 14:00	08/31/11 19:23	1
gamma-BHC (Lindane)	0.0011	U	0.050	0.0011	ug/L		08/23/11 14:00	08/31/11 19:23	1
Heptachlor	0.0015	U	0.050	0.0015	ug/L		08/23/11 14:00	08/31/11 19:23	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*53*		*10 - 120*	*08/23/11 14:00*	*08/31/11 19:23*	*1*
Dibutylchlorendate	*62*		*10 - 130*	*08/23/11 14:00*	*08/31/11 19:23*	*1*
Tetrachloro-m-xylene	*55*		*10 - 110*	*08/23/11 14:00*	*08/31/11 19:23*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 640-84165/2-A
Matrix: Water
Analysis Batch: 84586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
4,4'-DDD	0.100	0.0895	I	ug/L		90	50 - 130
4,4'-DDE	0.100	0.0696	I	ug/L		70	50 - 130
alpha-BHC	0.100	0.0768		ug/L		77	47 - 130
beta-BHC	0.100	0.0890		ug/L		89	50 - 142
delta-BHC	0.100	0.0934		ug/L		93	54 - 124
Endosulfan I	0.100	0.0867		ug/L		87	44 - 130
Endosulfan II	0.100	0.0964	I	ug/L		96	47 - 130
Endosulfan sulfate	0.100	0.0986	I	ug/L		99	50 - 139
Endrin aldehyde	0.100	0.0858	I	ug/L		86	49 - 143
Heptachlor epoxide	0.100	0.0911		ug/L		91	50 - 130
Methoxychlor	0.100	0.0801	I	ug/L		80	48 - 144
4,4'-DDT	0.100	0.0677	I	ug/L		68	36 - 140
Aldrin	0.100	0.0502		ug/L		50	25 - 135
Dieldrin	0.100	0.0890	I	ug/L		89	30 - 146
Endrin	0.100	0.0897	I	ug/L		90	38 - 140
gamma-BHC (Lindane)	0.100	0.0899		ug/L		90	36 - 135
Heptachlor	0.100	0.0592		ug/L		59	26 - 131

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*10 - 120*
Dibutylchlorendate	*76*		*10 - 130*
Tetrachloro-m-xylene	*67*		*10 - 110*

Lab Sample ID: LCS 640-84165/6-A
Matrix: Water
Analysis Batch: 84571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	5.00	4.04		ug/L		81	37 - 133
PCB-1260	5.00	4.28		ug/L		86	51 - 131

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*		*10 - 120*
Dibutylchlorendate	*78*		*10 - 130*
Tetrachloro-m-xylene	*68*		*10 - 110*

Lab Sample ID: LCSD 640-84165/3-A
Matrix: Water
Analysis Batch: 84586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.100	0.0864	I	ug/L		86	50 - 130	4	30
4,4'-DDE	0.100	0.0710	I	ug/L		71	50 - 130	2	30
alpha-BHC	0.100	0.0758		ug/L		76	47 - 130	1	30
beta-BHC	0.100	0.0879		ug/L		88	50 - 142	1	30
delta-BHC	0.100	0.0928		ug/L		93	54 - 124	1	30
Endosulfan I	0.100	0.0837		ug/L		84	44 - 130	3	30
Endosulfan II	0.100	0.0943	I	ug/L		94	47 - 130	2	30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCSD 640-84165/3-A
Matrix: Water
Analysis Batch: 84586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84165

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Endosulfan sulfate			0.100	0.0961	I	ug/L		96	50 - 139	3	30
Endrin aldehyde			0.100	0.0834	I	ug/L		83	49 - 143	3	30
Heptachlor epoxide			0.100	0.0907		ug/L		91	50 - 130	0	30
Methoxychlor			0.100	0.0918	I	ug/L		92	48 - 144	14	30
4,4'-DDT			0.100	0.0666	I	ug/L		67	36 - 140	2	24
Aldrin			0.100	0.0500		ug/L		50	25 - 135	0	30
Dieldrin			0.100	0.0862	I	ug/L		86	30 - 146	3	30
Endrin			0.100	0.0882	I	ug/L		88	38 - 140	2	32
gamma-BHC (Lindane)			0.100	0.0901		ug/L		90	36 - 135	0	34
Heptachlor			0.100	0.0586		ug/L		59	26 - 131	1	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*10 - 120*
Dibutylchlorendate	*74*		*10 - 130*
Tetrachloro-m-xylene	*65*		*10 - 110*

Lab Sample ID: LCSD 640-84165/7-A
Matrix: Water
Analysis Batch: 84571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84165

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
PCB-1016			2.50	2.39	J	ug/L		95	37 - 133	51	28
PCB-1260			2.50	2.59	J	ug/L		104	51 - 131	49	22

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*54*		*10 - 120*
Dibutylchlorendate	*91*		*10 - 130*
Tetrachloro-m-xylene	*79*		*10 - 110*

Lab Sample ID: 640-34899-1 MS
Matrix: Water
Analysis Batch: 84803

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
PCB-1016	0.32		2.36	2.79		ug/L		118	15 - 139		
PCB-1260	0.16		2.36	0.559	I	ug/L		24	24 - 154		

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*21*		*10 - 120*
Dibutylchlorendate	*18*		*10 - 130*
Tetrachloro-m-xylene	*17*		*10 - 110*

Lab Sample ID: 640-34899-1 MSD
Matrix: Water
Analysis Batch: 84803

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
PCB-1016	0.32		2.36	2.34		ug/L		99	15 - 139	17	38

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: 640-34899-1 MSD
Matrix: Water
Analysis Batch: 84803

Client Sample ID: TANK-6
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
PCB-1260	0.16		2.36	0.632	I	ug/L		27	24 - 154	12	50

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*12*		*10 - 120*
Dibutylchlorendate	*14*		*10 - 130*
Tetrachloro-m-xylene	*16*		*10 - 110*

Lab Sample ID: 640-34899-2 MS
Matrix: Water
Analysis Batch: 84586

Client Sample ID: COMP-1
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
4,4'-DDD	0.00083		0.100	0.00731	I J	ug/L		7	50 - 130
4,4'-DDE	0.00094		0.100	0.00420	I J	ug/L		4	50 - 130
alpha-BHC	0.0066	I	0.100	0.0572	J	ug/L		-18	47 - 130
beta-BHC	0.019		0.100	0.0315	I J	ug/L		13	50 - 142
delta-BHC	0.0063	I	0.100	0.0307	I J	ug/L		21	54 - 124
Endosulfan I	0.00089		0.100	0.0128	I J	ug/L		13	44 - 130
Endosulfan II	0.0017		0.100	0.0198	I J	ug/L		20	47 - 130
Endosulfan sulfate	0.0026		0.100	0.0151	I J	ug/L		15	50 - 139
Endrin aldehyde	0.00075		0.100	0.00079	U J	ug/L		0	49 - 143
Heptachlor epoxide	0.0012		0.100	0.0147	I J	ug/L		15	50 - 130
Methoxychlor	0.021	I	0.100	0.0356	I J	ug/L		14	48 - 144
4,4'-DDT	0.011		0.100	0.00926	I J	ug/L		-1	36 - 140
Aldrin	0.0012		0.100	0.00980	I J	ug/L		10	25 - 135
Dieldrin	0.0010		0.100	0.0113	I J	ug/L		10	30 - 146
Endrin	0.00060		0.100	0.0162	I J	ug/L		16	38 - 140
gamma-BHC (Lindane)	0.0010		0.100	0.0359	I	ug/L		36	36 - 135
Heptachlor	0.0014		0.100	0.0558		ug/L		56	26 - 131

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0.8*	*J*	*10 - 120*
Dibutylchlorendate	*3*	*J*	*10 - 130*
Tetrachloro-m-xylene	*12*		*10 - 110*

Lab Sample ID: 640-34899-2 MSD
Matrix: Water
Analysis Batch: 84586

Client Sample ID: COMP-1
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.00083		0.100	0.00949	I J	ug/L		9	50 - 130	26	30
4,4'-DDE	0.00094		0.100	0.00403	I J	ug/L		4	50 - 130	4	30
alpha-BHC	0.0066	I	0.100	0.0663	J	ug/L		-9	47 - 130	15	30
beta-BHC	0.019		0.100	0.0293	I J	ug/L		10	50 - 142	7	30
delta-BHC	0.0063	I	0.100	0.0353	I J	ug/L		25	54 - 124	14	30
Endosulfan I	0.00089		0.100	0.0173	I J	ug/L		17	44 - 130	30	30
Endosulfan II	0.0017		0.100	0.0257	I J	ug/L		26	47 - 130	26	30
Endosulfan sulfate	0.0026		0.100	0.0187	I J	ug/L		19	50 - 139	22	30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: 640-34899-2 MSD
Matrix: Water
Analysis Batch: 84586

Client Sample ID: COMP-1
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Endrin aldehyde	0.00075		0.100	0.00079	U J	ug/L		0	49 - 143	NC	30
Heptachlor epoxide	0.0012		0.100	0.0195	I J	ug/L		20	50 - 130	29	30
Methoxychlor	0.021	I	0.100	0.0245	I J	ug/L		3	48 - 144	37	30
4,4'-DDT	0.011		0.100	0.00932	I J	ug/L		-1	36 - 140	1	24
Aldrin	0.0012		0.100	0.0120	I J	ug/L		12	25 - 135	20	30
Dieldrin	0.0010		0.100	0.0141	I J	ug/L		13	30 - 146	21	30
Endrin	0.00060		0.100	0.0200	I J	ug/L		20	38 - 140	21	32
gamma-BHC (Lindane)	0.0010		0.100	0.0420	I	ug/L		42	36 - 135	16	34
Heptachlor	0.0014		0.100	0.0716		ug/L		72	26 - 131	25	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*1*	*J*	*10 - 120*
Dibutylchlorendate	*3*	*J*	*10 - 130*
Tetrachloro-m-xylene	*13*		*10 - 110*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 640-84165/1-A
Matrix: Water
Analysis Batch: 84353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84165

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		08/23/11 14:00	08/26/11 15:24	1
Disulfoton	0.12	U	2.0	0.12	ug/L		08/23/11 14:00	08/26/11 15:24	1
Famphur	0.11	U	2.0	0.11	ug/L		08/23/11 14:00	08/26/11 15:24	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		08/23/11 14:00	08/26/11 15:24	1
Ethyl Parathion	0.080	U	1.0	0.080	ug/L		08/23/11 14:00	08/26/11 15:24	1
Phorate	0.16	U	1.0	0.16	ug/L		08/23/11 14:00	08/26/11 15:24	1
Thionazin	0.061	U	1.0	0.061	ug/L		08/23/11 14:00	08/26/11 15:24	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate (TPP)	*106*		*37 - 139*	*08/23/11 14:00*	*08/26/11 15:24*	*1*

Lab Sample ID: LCS 640-84165/10-A
Matrix: Water
Analysis Batch: 84353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Famphur	2.50	2.85		ug/L		114	50 - 130
Methyl parathion	2.50	3.22		ug/L		129	43 - 140
Ethyl Parathion	2.50	3.10		ug/L		124	49 - 134
Phorate	2.50	2.71		ug/L		108	50 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate (TPP)	*111*		*37 - 139*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCSD 640-84165/11-A
Matrix: Water
Analysis Batch: 84353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84165

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Famphur			2.50	2.63		ug/L		105	50 - 130	8	30
Methyl parathion			2.50	2.54		ug/L		102	43 - 140	24	30
Ethyl Parathion			2.50	2.58		ug/L		103	49 - 134	18	30
Phorate			2.50	2.02		ug/L		81	50 - 130	29	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Triphenylphosphate (TPP)	*98*		*37 - 139*

Lab Sample ID: 640-34899-2 MS
Matrix: Water
Analysis Batch: 84353

Client Sample ID: COMP-1
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Famphur	0.10	U	2.36	0.456	I J	ug/L		19	50 - 130
Methyl parathion	0.11	U	2.36	0.770		ug/L		33	32 - 137
Ethyl Parathion	0.075	U	2.36	0.537	J	ug/L		23	32 - 138
Phorate	0.15	U	2.36	1.06	J	ug/L		45	50 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate (TPP)	*23*	*J*	*37 - 139*

Lab Sample ID: 640-34899-2 MSD
Matrix: Water
Analysis Batch: 84353

Client Sample ID: COMP-1
Prep Type: Total/NA
Prep Batch: 84165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Famphur	0.10	U	2.36	0.556	I J	ug/L		24	50 - 130	20	30
Methyl parathion	0.11	U	2.36	1.08		ug/L		46	32 - 137	33	48
Ethyl Parathion	0.075	U	2.36	0.829	I	ug/L		35	32 - 138	43	44
Phorate	0.15	U	2.36	1.12	J	ug/L		48	50 - 130	6	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate (TPP)	*21*	*J*	*37 - 139*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-212458/18-A
Matrix: Water
Analysis Batch: 213067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212458

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.037	U	0.50	0.037	ug/L		08/22/11 08:11	08/23/11 16:56	1
2,4,5-T	0.062	U	0.50	0.062	ug/L		08/22/11 08:11	08/23/11 16:56	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		08/22/11 08:11	08/23/11 16:56	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*97*		*52 - 151*	*08/22/11 08:11*	*08/23/11 16:56*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-212458/19-A
Matrix: Water
Analysis Batch: 213067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212458

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
2,4-D			2.00	1.62		ug/L		81	63 - 130		
2,4,5-T			2.00	1.47		ug/L		74	59 - 130		
Silvex (2,4,5-TP)			2.00	1.54		ug/L		77	64 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*111*		*52 - 151*

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)

Lab Sample ID: G1H260000077B
Matrix: Water
Analysis Batch: 1238077

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1238077_P

Analyte	MB Result	MB Qualifier	PQL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	3.1	U	10	0.25	pg/L		08/26/11 16:00	09/02/11 09:56	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
37Cl4-2,3,7,8-TCDD	*85*		*42 - 164*	*08/26/11 16:00*	*09/02/11 09:56*	*1*

Internal Standard	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*40*		*31 - 137*	*08/26/11 16:00*	*09/02/11 09:56*	*1*

Lab Sample ID: G1H260000077C
Matrix: Water
Analysis Batch: 1238077

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1238077_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
2,3,7,8-TCDD			200	199		pg/L		99	73 - 146		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
37Cl4-2,3,7,8-TCDD	*99*		*37 - 158*

Internal Standard	*LCS % Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*44*		*25 - 141*

Lab Sample ID: G1H260000077L
Matrix: Water
Analysis Batch: 1238077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 1238077_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			200	192		pg/L		96	73 - 146	3.3	50

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
37Cl4-2,3,7,8-TCDD	*81*		*37 - 158*

Method: 1613B-Tetras - Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only) (Continued)

Lab Sample ID: G1H260000077L
Matrix: Water
Analysis Batch: 1238077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 1238077_P

Internal Standard	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*34*		*25 - 141*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 680-212780/1-A
Matrix: Water
Analysis Batch: 213071

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 212780

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	24	U	50	24	ug/L		08/24/11 14:06	08/26/11 02:54	1
Sodium	0.28	U	1.0	0.28	mg/L		08/24/11 14:06	08/26/11 02:54	1

Lab Sample ID: LCS 680-212780/2-A
Matrix: Water
Analysis Batch: 213071

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 212780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	1000	1020		ug/L		102	75 - 125
Sodium	5.00	4.85		mg/L		97	75 - 125

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-212742/1-A
Matrix: Water
Analysis Batch: 213088

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 212742

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.20	U	1.5	0.20	ug/L		08/24/11 11:00	08/26/11 11:19	1

Lab Sample ID: MB 680-212742/1-A
Matrix: Water
Analysis Batch: 213181

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 212742

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		08/24/11 11:00	08/29/11 01:30	1
Arsenic	1.3	U	2.5	1.3	ug/L		08/24/11 11:00	08/29/11 01:30	1
Barium	1.3	U	5.0	1.3	ug/L		08/24/11 11:00	08/29/11 01:30	1
Beryllium	0.25	U	0.50	0.25	ug/L		08/24/11 11:00	08/29/11 01:30	1
Cadmium	0.095	U	0.50	0.095	ug/L		08/24/11 11:00	08/29/11 01:30	1
Chromium	2.5	U	5.0	2.5	ug/L		08/24/11 11:00	08/29/11 01:30	1
Cobalt	0.15	U	0.50	0.15	ug/L		08/24/11 11:00	08/29/11 01:30	1
Copper	1.1	U	5.0	1.1	ug/L		08/24/11 11:00	08/29/11 01:30	1
Nickel	2.0	U	5.0	2.0	ug/L		08/24/11 11:00	08/29/11 01:30	1
Selenium	1.0	U	2.5	1.0	ug/L		08/24/11 11:00	08/29/11 01:30	1
Silver	0.25	U	1.0	0.25	ug/L		08/24/11 11:00	08/29/11 01:30	1
Thallium	0.50	U	1.0	0.50	ug/L		08/24/11 11:00	08/29/11 01:30	1
Tin	1.3	U	5.0	1.3	ug/L		08/24/11 11:00	08/29/11 01:30	1
Vanadium	3.8	U	10	3.8	ug/L		08/24/11 11:00	08/29/11 01:30	1
Zinc	8.3	U	20	8.3	ug/L		08/24/11 11:00	08/29/11 01:30	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-212742/2-A
Matrix: Water
Analysis Batch: 213088

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 212742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	50.0	52.5		ug/L		105	75 - 125

Lab Sample ID: LCS 680-212742/2-A
Matrix: Water
Analysis Batch: 213181

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 212742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	50.0	50.6		ug/L		101	75 - 125
Arsenic	100	106		ug/L		106	75 - 125
Barium	100	101		ug/L		101	75 - 125
Beryllium	50.0	51.9		ug/L		104	75 - 125
Cadmium	50.0	52.1		ug/L		104	75 - 125
Chromium	100	104		ug/L		104	75 - 125
Cobalt	50.0	50.8		ug/L		102	75 - 125
Copper	100	107		ug/L		107	75 - 125
Nickel	100	107		ug/L		107	75 - 125
Selenium	100	100		ug/L		100	75 - 125
Silver	50.0	51.4		ug/L		103	75 - 125
Thallium	40.0	40.3		ug/L		101	75 - 125
Tin	100	101		ug/L		101	75 - 125
Vanadium	100	103		ug/L		103	75 - 125
Zinc	100	105		ug/L		105	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-212725/1-A
Matrix: Water
Analysis Batch: 212811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212725

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		08/24/11 09:34	08/24/11 14:13	1

Lab Sample ID: LCS 680-212725/2-A
Matrix: Water
Analysis Batch: 212811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	2.50	2.54		ug/L		101	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 640-84697/1
Matrix: Water
Analysis Batch: 84697

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			09/07/11 05:03	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 640-84697/2
Matrix: Water
Analysis Batch: 84697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride			6.00	6.09		mg/L		101	90 - 110		

Lab Sample ID: LCSD 640-84697/3
Matrix: Water
Analysis Batch: 84697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride			6.00	6.15		mg/L		102	90 - 110	1	30

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 640-84150/17
Matrix: Water
Analysis Batch: 84150

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0043	U	0.020	0.0043	mg/L			08/22/11 13:36	1

Lab Sample ID: LCS 640-84150/19
Matrix: Water
Analysis Batch: 84150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Ammonia			1.00	1.10		mg/L		110	85 - 115		

Lab Sample ID: LCSD 640-84150/20
Matrix: Water
Analysis Batch: 84150

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ammonia			1.00	0.988		mg/L		99	85 - 115	11	30

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 640-84229/19
Matrix: Water
Analysis Batch: 84229

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/24/11 11:00	1

Lab Sample ID: LCS 640-84229/21
Matrix: Water
Analysis Batch: 84229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Nitrate Nitrite as N			1.00	1.08		mg/L		108	90 - 110		

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCSD 640-84229/22
Matrix: Water
Analysis Batch: 84229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	1.04		mg/L		104	90 - 110	5	30

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 640-84315/2
Matrix: Water
Analysis Batch: 84315

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	0.39	U	1.0	0.39	mg/L			08/26/11 00:00	1

Lab Sample ID: LCS 640-84315/3
Matrix: Water
Analysis Batch: 84315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Alkalinity	100	92.5		mg/L		92	80 - 120

Lab Sample ID: LCSD 640-84315/4
Matrix: Water
Analysis Batch: 84315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Alkalinity	100	93.7		mg/L		93	80 - 120	1	30

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 640-84420/1
Matrix: Water
Analysis Batch: 84420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			08/29/11 14:48	1

Lab Sample ID: LCS 640-84420/2
Matrix: Water
Analysis Batch: 84420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	300	291		mg/L		97	80 - 120

Lab Sample ID: LCSD 640-84420/3
Matrix: Water
Analysis Batch: 84420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	300	291		mg/L		97	80 - 120	0	25

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 680-212594/1-A
Matrix: Water
Analysis Batch: 212704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212594

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		08/23/11 07:45	08/24/11 07:48	1

Lab Sample ID: LCS 680-212594/2-A
Matrix: Water
Analysis Batch: 212704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0301	0.0301		mg/L		100	90 - 110

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 680-212764/1
Matrix: Water
Analysis Batch: 212764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	mg/L			08/24/11 12:21	1

Lab Sample ID: LCS 680-212764/2
Matrix: Water
Analysis Batch: 212764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfide	10.0	8.98		mg/L		90	75 - 125

GC/MS VOA

Analysis Batch: 84167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-3	Trip Blank 05	Total/NA	Water	8260C	
LCS 640-84167/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84167/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84167/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 84171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8260C	
640-34899-2	COMP-1	Total/NA	Water	8260C	
LCS 640-84171/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84171/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84171/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 84172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-2 - DL	COMP-1	Total/NA	Water	8260C	
LCS 640-84172/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84172/6	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84172/2	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 84139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	3520C	
640-34899-1 MS	TANK-6	Total/NA	Water	3520C	
640-34899-1 MSD	TANK-6	Total/NA	Water	3520C	
640-34899-2	COMP-1	Total/NA	Water	3520C	
640-34899-2 - DL	COMP-1	Total/NA	Water	3520C	
LCS 640-84139/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-84139/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-84139/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 84302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8270D	84139
640-34899-1 MS	TANK-6	Total/NA	Water	8270D	84139
640-34899-1 MSD	TANK-6	Total/NA	Water	8270D	84139
640-34899-2	COMP-1	Total/NA	Water	8270D	84139
LCS 640-84139/2-A	Lab Control Sample	Total/NA	Water	8270D	84139
LCSD 640-84139/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	84139
MB 640-84139/1-A	Method Blank	Total/NA	Water	8270D	84139

Analysis Batch: 84349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-2 - DL	COMP-1	Total/NA	Water	8270D	84139

GC Semi VOA

Prep Batch: 84129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 84129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-2	COMP-1	Total/NA	Water	8011	
LCS 640-84129/11-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 640-84129/12-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 640-84129/10-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 84165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	3520C	
640-34899-1 MS	TANK-6	Total/NA	Water	3520C	
640-34899-1 MSD	TANK-6	Total/NA	Water	3520C	
640-34899-2	COMP-1	Total/NA	Water	3520C	
640-34899-2 MS	COMP-1	Total/NA	Water	3520C	
640-34899-2 MS	COMP-1	Total/NA	Water	3520C	
640-34899-2 MSD	COMP-1	Total/NA	Water	3520C	
640-34899-2 MSD	COMP-1	Total/NA	Water	3520C	
LCS 640-84165/10-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 640-84165/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 640-84165/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-84165/11-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 640-84165/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 640-84165/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-84165/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 84224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8011	84129
640-34899-2	COMP-1	Total/NA	Water	8011	84129
LCS 640-84129/11-A	Lab Control Sample	Total/NA	Water	8011	84129
LCSD 640-84129/12-A	Lab Control Sample Dup	Total/NA	Water	8011	84129
MB 640-84129/10-A	Method Blank	Total/NA	Water	8011	84129

Analysis Batch: 84325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 640-84165/1-A	Method Blank	Total/NA	Water	8081B/8082A	84165

Analysis Batch: 84353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8141B	84165
640-34899-2	COMP-1	Total/NA	Water	8141B	84165
640-34899-2 MS	COMP-1	Total/NA	Water	8141B	84165
640-34899-2 MSD	COMP-1	Total/NA	Water	8141B	84165
LCS 640-84165/10-A	Lab Control Sample	Total/NA	Water	8141B	84165
LCSD 640-84165/11-A	Lab Control Sample Dup	Total/NA	Water	8141B	84165
MB 640-84165/1-A	Method Blank	Total/NA	Water	8141B	84165

Analysis Batch: 84571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 640-84165/6-A	Lab Control Sample	Total/NA	Water	8081B/8082A	84165
LCSD 640-84165/7-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	84165

GC Semi VOA (Continued)

Analysis Batch: 84586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-2 MS	COMP-1	Total/NA	Water	8081B/8082A	84165
640-34899-2 MSD	COMP-1	Total/NA	Water	8081B/8082A	84165
LCS 640-84165/2-A	Lab Control Sample	Total/NA	Water	8081B/8082A	84165
LCSD 640-84165/3-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	84165
MB 640-84165/1-A	Method Blank	Total/NA	Water	8081B/8082A	84165

Analysis Batch: 84803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8081B/8082A	84165
640-34899-1 MS	TANK-6	Total/NA	Water	8081B/8082A	84165
640-34899-1 MSD	TANK-6	Total/NA	Water	8081B/8082A	84165
640-34899-2	COMP-1	Total/NA	Water	8081B/8082A	84165

Prep Batch: 212458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8151A	
640-34899-2	COMP-1	Total/NA	Water	8151A	
LCS 680-212458/19-A	Lab Control Sample	Total/NA	Water	8151A	
MB 680-212458/18-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 213067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-212458/19-A	Lab Control Sample	Total/NA	Water	8151A	212458
MB 680-212458/18-A	Method Blank	Total/NA	Water	8151A	212458

Analysis Batch: 213073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	8151A	212458
640-34899-2	COMP-1	Total/NA	Water	8151A	212458

Specialty Organics

Analysis Batch: 1238077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total	Water	1613B-Tetras	
640-34899-2	COMP-1	Total	Water	1613B-Tetras	
G1H260000077B	Method Blank	Total	Water	1613B-Tetras	
G1H260000077C	Lab Control Sample	Total	Water	1613B-Tetras	
G1H260000077L	Lab Control Sample Dup	Total	Water	1613B-Tetras	

Prep Batch: 1238077_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total	Water	EXTRACTION: Soxhlet and Sep Funnel	
640-34899-2	COMP-1	Total	Water	EXTRACTION: Soxhlet and Sep Funnel	
G1H260000077B	Method Blank	Total	Water	EXTRACTION: Soxhlet and Sep Funnel	

Specialty Organics (Continued)

Prep Batch: 1238077_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1H260000077C	Lab Control Sample	Total	Water	EXTRACTION: Soxhlet and Sep Funnel	
G1H260000077L	Lab Control Sample Dup	Total	Water	EXTRACTION: Soxhlet and Sep Funnel	

Metals

Prep Batch: 212725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	7470A	
640-34899-2	COMP-1	Total/NA	Water	7470A	
LCS 680-212725/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-212725/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 212742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total Recoverable	Water	3005A	
640-34899-2	COMP-1	Total Recoverable	Water	3005A	
LCS 680-212742/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-212742/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 212780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total Recoverable	Water	3005A	
640-34899-2	COMP-1	Total Recoverable	Water	3005A	
LCS 680-212780/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-212780/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 212811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	7470A	212725
640-34899-2	COMP-1	Total/NA	Water	7470A	212725
LCS 680-212725/2-A	Lab Control Sample	Total/NA	Water	7470A	212725
MB 680-212725/1-A	Method Blank	Total/NA	Water	7470A	212725

Analysis Batch: 213071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total Recoverable	Water	6010B	212780
640-34899-1	TANK-6	Total Recoverable	Water	6010B	212780
640-34899-2	COMP-1	Total Recoverable	Water	6010B	212780
640-34899-2	COMP-1	Total Recoverable	Water	6010B	212780
LCS 680-212780/2-A	Lab Control Sample	Total Recoverable	Water	6010B	212780
MB 680-212780/1-A	Method Blank	Total Recoverable	Water	6010B	212780

Analysis Batch: 213088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total Recoverable	Water	6020	212742
640-34899-2	COMP-1	Total Recoverable	Water	6020	212742
LCS 680-212742/2-A	Lab Control Sample	Total Recoverable	Water	6020	212742
MB 680-212742/1-A	Method Blank	Total Recoverable	Water	6020	212742

Metals (Continued)

Analysis Batch: 213181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total Recoverable	Water	6020	212742
640-34899-2	COMP-1	Total Recoverable	Water	6020	212742
LCS 680-212742/2-A	Lab Control Sample	Total Recoverable	Water	6020	212742
MB 680-212742/1-A	Method Blank	Total Recoverable	Water	6020	212742

General Chemistry

Analysis Batch: 84150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	350.1	
640-34899-2	COMP-1	Total/NA	Water	350.1	
LCS 640-84150/19	Lab Control Sample	Total/NA	Water	350.1	
LCSD 640-84150/20	Lab Control Sample Dup	Total/NA	Water	350.1	
MB 640-84150/17	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 84229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 640-84229/21	Lab Control Sample	Total/NA	Water	353.2	
LCSD 640-84229/22	Lab Control Sample Dup	Total/NA	Water	353.2	
MB 640-84229/19	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 84230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	353.2	
640-34899-2	COMP-1	Total/NA	Water	353.2	

Analysis Batch: 84315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	SM 2320B	
640-34899-2	COMP-1	Total/NA	Water	SM 2320B	
LCS 640-84315/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 640-84315/4	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
MB 640-84315/2	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 84371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	Nitrate by calc	
640-34899-2	COMP-1	Total/NA	Water	Nitrate by calc	

Analysis Batch: 84420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	SM 2540C	
640-34899-2	COMP-1	Total/NA	Water	SM 2540C	
LCS 640-84420/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 640-84420/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 640-84420/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	300.0	
640-34899-2	COMP-1	Total/NA	Water	300.0	
LCS 640-84697/2	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 84697 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 640-84697/3	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 640-84697/1	Method Blank	Total/NA	Water	300.0	

Prep Batch: 212594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	Distill/CN	
640-34899-2	COMP-1	Total/NA	Water	Distill/CN	
LCS 680-212594/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 680-212594/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 212704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	SM 4500 CN E	212594
640-34899-2	COMP-1	Total/NA	Water	SM 4500 CN E	212594
LCS 680-212594/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	212594
MB 680-212594/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	212594

Analysis Batch: 212764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	SM 4500 S2 F	
640-34899-2	COMP-1	Total/NA	Water	SM 4500 S2 F	
LCS 680-212764/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 680-212764/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Field Service / Mobile Lab

Analysis Batch: 84863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34899-1	TANK-6	Total/NA	Water	Field Sampling	
640-34899-2	COMP-1	Total/NA	Water	Field Sampling	

Client Sample ID: TANK-6

Lab Sample ID: 640-34899-1

Date Collected: 08/17/11 12:01

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84171	08/22/11 23:54	AH	TAL TAL
Total/NA	Prep	3520C			84139	08/22/11 16:15	QC	TAL TAL
Total/NA	Analysis	8270D		1	84302	08/24/11 20:02	VW	TAL TAL
Total/NA	Prep	8011			84129	08/22/11 14:35	JPB	TAL TAL
Total/NA	Analysis	8011		1	84224	08/23/11 23:51	JPB	TAL TAL
Total/NA	Prep	3520C			84165	08/23/11 14:00	MS	TAL TAL
Total/NA	Analysis	8141B		1	84353	08/26/11 17:41	MLT	TAL TAL
Total/NA	Analysis	8081B/8082A		2	84803	09/09/11 10:48	MLT	TAL TAL
Total/NA	Prep	8151A			212458	08/22/11 08:11	CTR	TAL SAV
Total/NA	Analysis	8151A		1	213073	08/23/11 22:33	WTE	TAL SAV
Total	Prep	EXTRACTION: Soxhlet and Sep Funnel			1238077_P	08/26/11 16:00	CC	TAL WSC
Total	Analysis	1613B-Tetras		1	1238077	09/02/11 22:47	LLH	TAL WSC
Total/NA	Prep	7470A			212725	08/24/11 09:35	JKL	TAL SAV
Total/NA	Analysis	7470A		1	212811	08/24/11 14:59	CE	TAL SAV
Total Recoverable	Prep	3005A			212780	08/24/11 14:06	RAM	TAL SAV
Total Recoverable	Analysis	6010B		1	213071	08/26/11 03:05	BCB	TAL SAV
Total Recoverable	Analysis	6010B		100	213071	08/26/11 11:58	BCB	TAL SAV
Total Recoverable	Prep	3005A			212742	08/24/11 11:00	RAM	TAL SAV
Total Recoverable	Analysis	6020		1	213088	08/26/11 11:41	BB	TAL SAV
Total Recoverable	Analysis	6020		1	213181	08/29/11 01:52	BB	TAL SAV
Total/NA	Analysis	350.1		100	84150	08/22/11 15:24	TDW	TAL TAL
Total/NA	Analysis	353.2		40	84230	08/24/11 14:11	TDW	TAL TAL
Total/NA	Analysis	SM 2320B		1	84315	08/26/11 02:52	MJ	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84371	08/24/11 14:30	DV	TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:48	MJ	TAL TAL
Total/NA	Analysis	300.0		100	84697	09/07/11 08:58	CA	TAL TAL
Total/NA	Prep	Distill/CN			212594	08/23/11 07:45	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	212704	08/24/11 08:05	DAM	TAL SAV
Total/NA	Analysis	SM 4500 S2 F		1	212764	08/24/11 12:21	DAM	TAL SAV
Total/NA	Analysis	Field Sampling		1	84863	08/17/11 12:01	SF	TAL TAL

Client Sample ID: COMP-1

Lab Sample ID: 640-34899-2

Date Collected: 08/17/11 12:30

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84171	08/23/11 00:20	AH	TAL TAL
Total/NA	Analysis	8260C	DL	100	84172	08/23/11 14:38	LAG	TAL TAL
Total/NA	Prep	3520C			84139	08/22/11 16:15	QC	TAL TAL
Total/NA	Analysis	8270D		1	84302	08/24/11 20:31	VW	TAL TAL
Total/NA	Prep	3520C	DL		84139	08/22/11 16:15	QC	TAL TAL
Total/NA	Analysis	8270D	DL	40	84349	08/26/11 14:06	VW	TAL TAL

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Client Sample ID: COMP-1

Lab Sample ID: 640-34899-2

Date Collected: 08/17/11 12:30

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	8011			84129	08/22/11 14:35	JPB	TAL TAL
Total/NA	Analysis	8011		1	84224	08/24/11 00:05	JPB	TAL TAL
Total/NA	Prep	3520C			84165	08/23/11 14:00	MS	TAL TAL
Total/NA	Analysis	8141B		1	84353	08/26/11 18:11	MLT	TAL TAL
Total/NA	Analysis	8081B/8082A		1	84803	09/09/11 13:06	MLT	TAL TAL
Total/NA	Prep	8151A			212458	08/22/11 08:11	CTR	TAL SAV
Total/NA	Analysis	8151A		10	213073	08/23/11 23:05	WTE	TAL SAV
Total	Prep	EXTRACTION: Soxhlet and Sep Funnel			1238077_P	08/26/11 16:00	CC	TAL WSC
Total	Analysis	1613B-Tetras		1.03	1238077	09/02/11 23:29	LLH	TAL WSC
Total/NA	Prep	7470A			212725	08/24/11 09:35	JKL	TAL SAV
Total/NA	Analysis	7470A		1	212811	08/24/11 15:03	CE	TAL SAV
Total Recoverable	Prep	3005A			212780	08/24/11 14:06	RAM	TAL SAV
Total Recoverable	Analysis	6010B		1	213071	08/26/11 03:10	BCB	TAL SAV
Total Recoverable	Analysis	6010B		100	213071	08/26/11 12:05	BCB	TAL SAV
Total Recoverable	Prep	3005A			212742	08/24/11 11:00	RAM	TAL SAV
Total Recoverable	Analysis	6020		1	213088	08/26/11 11:48	BB	TAL SAV
Total Recoverable	Analysis	6020		1	213181	08/29/11 02:00	BB	TAL SAV
Total/NA	Analysis	350.1		1000	84150	08/22/11 15:26	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84230	08/24/11 14:14	TDW	TAL TAL
Total/NA	Analysis	SM 2320B		1	84315	08/26/11 03:19	MJ	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84371	08/24/11 14:30	DV	TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:48	MJ	TAL TAL
Total/NA	Analysis	300.0		100	84697	09/07/11 07:33	CA	TAL TAL
Total/NA	Prep	Distill/CN			212594	08/23/11 07:45	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	212704	08/24/11 08:06	DAM	TAL SAV
Total/NA	Analysis	SM 4500 S2 F		1	212764	08/24/11 12:21	DAM	TAL SAV
Total/NA	Analysis	Field Sampling		1	84863	08/17/11 12:30	SF	TAL TAL

Client Sample ID: Trip Blank 05

Lab Sample ID: 640-34899-3

Date Collected: 08/17/11 00:00

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84167	08/22/11 19:22	AH	TAL TAL

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tallahassee	Florida	NELAC	4	E81005
TestAmerica Tallahassee	Louisiana	NELAC	6	30663
TestAmerica Tallahassee	New Jersey	NELAC	2	FL012
TestAmerica Tallahassee	Oklahoma	State Program	6	9986
TestAmerica Tallahassee	Texas	NELAC	6	T104704459-11-2
TestAmerica Tallahassee	USDA	USDA		P330-08-00158
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022

Certification Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC Secondary AB	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL TAL
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL TAL
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL TAL
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL TAL
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL TAL
8151A	Herbicides (GC)	SW846	TAL SAV
1613B-Tetras	Dioxins/Furans, HRGC/HRMS (1613B-Tetras Only)	EPA-5	TAL WSC
6010B	Metals (ICP)	SW846	TAL SAV
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL TAL
350.1	Nitrogen, Ammonia	MCAWW	TAL TAL
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL TAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL TAL
SM 2320B	Alkalinity	SM	TAL TAL
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAL
SM 4500 CN E	Cyanide, Total	SM	TAL SAV
SM 4500 S2 F	Sulfide, Total	SM	TAL SAV
Field Sampling	Field Sampling	EPA	TAL TAL

Protocol References:

EPA = US Environmental Protection Agency

EPA-5 = EPA-5

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34899-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
640-34899-1	TANK-6	Water	08/17/11 12:01	08/18/11 09:40
640-34899-2	COMP-1	Water	08/17/11 12:30	08/18/11 09:40
640-34899-3	Trip Blank 05	Water	08/17/11 00:00	08/18/11 09:40

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

640 - 31899

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/06/2011

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28749-7750.1
Client Contact: Ms. Jennifer Pardy	Phone: 225, 907.4060	E-Mail: amy.marks@testamericainc.com		Page: Page 1 of 2
Company: Golder Associates Inc.				Job #: ~~640 - 31899~~
Address: 3730 Chamblee Tucker Road	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341				
Phone: 770-492-8204(Tel)	PO #: PO105298:4			
Email: jennifer_pardy@golder.com	WO #:			
Project Name: Trail Ridge Landfill - Leachate	Project #: 64005280			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	2320B, SM4500_NO2_B	SUBCONTRACT - 2,3,7,8-TCDD	8081B_8082A, 8141B	8270D - Appendix II SVOCs	2540C - Total Dissolved Solids	8011 - EDB, DBCP	8260C - App II VOCs	353.2 - Nitrate Nitrite as N	300.0_28D - Chloride	6010B, 6020, 7470A	8151A - App II Herbicides	SM4500_S2_F - Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	N	N	N	N	R	N	S	N	D	N	CB		
LDSS	8-17	1201	G	LEACH	N		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		TANK #6
LCS	8-17	1230	C	LEACH	N		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		COMP TANK #1 - TANK #5
TRIP	8-17	—	G	W	N									✓							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	8-17-11 1500	PRO-TECH		8/17/11 1530	
Relinquished by:	8/17/11 1730	TT	TM	8/18/11 940	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6, 0.6, 0.3, 0.4, 0.5, 1.0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

640-34894

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Ms. Jennifer Pardy	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28749-7750.2
Company: Golder Associates Inc.	Phone: 225.907.4060	E-Mail: amy.marks@testamericainc.com		Page: Page 2 of 2
Address: 3730 Chamblee Tucker Road	Due Date Requested:			Job #: ~~640-348-94~~
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341				
Phone: 770-492-8204(Tel)	PO #: PO105298:4			
Email: jennifer_pardy@golder.com	WO #:			
Project Name: Trail Ridge Landfill - Leachate	Project #: 64005280			
Site: Florida	SSOW#:			

Preservation Codes:
A - HCL M - Hexane
B - NaOH N - None
C - Zn Acetate O - AsNaO2
D - Nitric Acid P - Na2O4S
E - NaHSO4 Q - Na2SO3
F - MeOH R - Na2S2SO3
G - Amchlor S - H2SO4
H - Ascorbic Acid T - TSP Dodecahydrate
I - Ice U - Acetone
J - DI Water V - MCAA
K - EDTA W - ph 4-5
L - EDA Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_CN_E - Cyanide, Total	Total Number of containers	Special Instructions/Note:
				Preservation Code:			B		
LDSS	8-17	1201	G	LEACH	N		✓		TANK #6
LCS	8-17	1230	C	LEACH	N		✓		Comp TANK #1 - TANK #5

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: [signature]	Date/Time: 8-17-11 / 1500	Company: PRO-TECH	Received by: [signature]	Date/Time: 8/17/11 1548	Company: TA
Relinquished by: [signature]	Date/Time: 8/17/11 1730	Company: TA	Received by: [signature]	Date/Time: 8/18/11 0940	Company: TAL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 0.6, 0.6°, 0.5°, 0.4°, 0.5, 1.0

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	TRAIL RIDGE		SITE LOCATION:	JACKSONVILLE, FL
WELL NO:	LDSS	SAMPLE ID:		DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: — feet to — feet	STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:
NA	NA		NA		NA

WELL ELEVATION TOC (ft NGVD): NA — GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):
NA	NA	NA	NA		NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1201	NA	NA	NA	NA	7.86	32.5	6757	0.2	9.94	51	Amber	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:		SAMPLING ENDED AT:
DAN ARMOUR / PRO-TECH		1201		NR

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:		FIELD-FILTERED: Y (N) FILTER SIZE: µm Filtration Equipment Type:
NA	NA		

FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced) — DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:
LDSS = LEACHATE SAMPLE FROM TANK #6

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	TRAIL RIDGE		SITE LOCATION:	JACKSONVILLE, FL
WELL NO:	LCS	SAMPLE ID:		DATE: 8-19-11

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: – feet to – feet	STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:
NA	NA		NA		NA

WELL ELEVATION TOC (ft NGVD): NA — GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):
NA	NA	NA	NA		NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1230	NA	NA	NA	NA	7.29	35.9	20590	0.1	486.2	-284	BLACK	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FT.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:		SAMPLING ENDED AT:
DAN ARMOUR / PRO-TECH		1230		NR

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:		FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
NA	NA			

FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced) — DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:
LCS = COMPOSITE SAMPLE FROM TANK #1 THROUGH TANK #5

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Tel: (850)878-3994

TestAmerica Job ID: 640-34882-1
Client Project/Site: Trail Ridge Landfill
Sampling Event: Semi-Annual Groundwater

For:
Golder Associates Inc.
3730 Chamblee Tucker Road
Atlanta, Georgia 30341

Attn: Ms. Jennifer Pardy

Authorized for release by:
10/05/2011 01:10:16 PM

Amy Marks
Project Manager II
amy.marks@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J	Estimated value; value may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates the analyte was detected in both the sample and the associated method blank.
J	Estimated value; value may not be accurate.

General Chemistry

Qualifier	Qualifier Description
J	Estimated value; value may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates the analyte was detected in both the sample and the associated method blank.
U	Indicates that the compound was analyzed for but not detected.
L	Off-scale high. Actual value is known to be greater than the value given.
Q	Sample held beyond the accepted holding time.

OrlandoSVC

Qualifier	Qualifier Description
U	The compound was analyzed for but not detected

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 640-34882-1

Laboratory: TestAmerica Tallahassee

Narrative

Job Narrative
640-34882-1

Comments
Methods 8260C, 6020, SM 2540C, 353.2: Field Blank 01 (640-34882-32) collected 8/16/11 contained a detection above the practical quantitation limit (PQL) for Iron, Nitrate Nitrite as N and TDS. Acetone was detected between the MDL and PQL.

Methods 8260C, 6010C, 6020: Field Blank 02 (640-34894-12) collected 8/17/11 contained a detection above the practical quantitation limit (PQL) for Lead. Carbon disulfide, Methylene Chloride and Iron were detected between the MDL and PQL.

Receipt
All samples were received in good condition within temperature requirements.

Field Service
Field data collected and provided by Professional Technical Services. Field logs are attached.

GC/MS VOA
Method 8260C: The precision (RPD) of the laboratory control sample / laboratory control sample duplicate (LCS/LCSD) in batch 84084 was outside control limits for Vinyl Acetate. All accuracy criteria were met and this target analyte was not detected in any of the associated samples. Associated results are qualified "J".

Method 8260C: The precision (RPD) of the matrix spike / matrix spike duplicate (MS/MSD) performed on sample MWB-31(D)b in batch 84107 was outside control limits for Bromoform. The MSD is qualified "J".

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method 1631E: The following sample was diluted due to the abundance of Mercury: SW-3 (640-34897-3). Elevated reporting limits (RLs) are provided.

Method 6010C: The serial dilution %difference for batch 104790 exceeded control criteria for Iron. The post-digestion spike recovery for this analyte met acceptance criteria.

Method 6010C: The method blank for batch 104790 contained Iron above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-analysis was not performed. Associated sample detections are qualified "V".

Method 6010C: The matrix spike (MS) performed on sample MWB-29(I)c (640-34882-20) in batch 104790 was outside control limits for Iron. The recovery was biased high and is qualified "J". The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) met acceptance criteria.

Method 6020: The method blank for batch 104773 contained Nickel above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-analysis was not performed. Associated sample detections are qualified "V".

Method 6020: The matrix spike duplicate (MSD) performed on sample MWB-27(I)c (640-34882-1) in batch 104773 was outside control limits for precision and accuracy for Nickel. The recovery was biased high and is qualified "J". The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) met acceptance criteria.

Method 6020: The matrix spike (MS) performed on sample MWB-29(I)c (640-34882-20) in batch 104773 was outside control limits for Zinc. The recovery is qualified "J". The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) met acceptance criteria.

Job ID: 640-34882-1 (Continued)

Laboratory: TestAmerica Tallahassee (Continued)

Method 6020: The method blank for batch 104796 contained Barium and Nickel above the method detection limit. These target analyte concentrations were less than the practical quantitation limit (PQL); therefore, re-analysis of samples was not performed. Associated sample detections are qualified "V".

Method 6020: The laboratory control sample (LCS) for batch 104796 was outside control limits for the following analytes: Nickel. This analyte was biased high in the LCS and was not detected in the associated samples. Associated results are qualified "J". The LCS and LCSD were re-analyzed with passing recoveries. All data is included in the attached report.

No other analytical or quality issues were noted.

General Chemistry

Method SM 2540C: The following samples were analyzed outside of analytical holding time: MWB-21(S)c (640-34882-5), MWB-17(I)c (640-34882-7), MWB-12(D)c (640-34894-1), Dup04 (640-34894-2), MWB-12(1)c (640-34894-3), MWB-12(S)c (640-34894-4), MWB-13(S)c (640-34894-5), MWB-13(I)c (640-34894-6), MWB-2(S)b (640-34894-7), MWB-20(S)c (640-34894-9), Dup03 (640-34894-10), Field Blank 02 (640-34894-12). Results are qualified "Q" to indicate analysis outside of the 7 day time frame.

Method SM 2540C: A deviation from the Standard Operating Procedure (SOP) occurred. The result for the following sample was a more negative result than the value of the PQL: Field Blank 02 (640-34894-12). The blank was not re-analyzed.

Method SM 2540C: The method blank for batch 84183 had a result for TDS at 6.0 mg/L, which is above the practical quantitation (PQL). Re-analysis of samples was not performed. Associated sample detections are qualified "V". All sample detections were greater than 10X the concentration detected in the blank with the following exceptions: MWB-21(S)c (3.0 mg/L), MWB-17(I)c (6.5 mg/L), MWB-11(I)(R)c (40 mg/L), MWB-32(I)d (50 mg/L), MWB-34(I)d (47 mg/L), MWB-29(S)c (44 mg/L).

Method SM 2540C: The laboratory control sample (LCS) for batch 84248 was inadvertantly not spiked. The LCSD met recovery criteria and is reported as the batch LCS.

Method SM 2540C: The precision (RPD) of the batch duplicate performed on sample MWB-13(I)c (640-34894-6) in batch 84427 was outside control limits. The duplicate result is flagged "J".

Method 300.0: The laboratory control sample duplicate (LCSD) for batch 84503 was outside control limits for precision and accuracy for Chloride. The associated LCS, matrix spikes and batch duplicates met all acceptancte criteria. Associated results are qualified "J".

Method 350.1: The matrix spike (MS) performed on sample MWB-27(I)c (640-34882-1) in batch 84100 was outside control limits for Ammonia. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Method 350.1: The matrix spike (MS) performed on sample MWB-32(I)d (640-34882-13) in batch 84100 was outside control limits for Ammonia. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Method 350.1: The matrix spike (MS) performed on sample MWB-13(I)c (640-34894-6) in batch 84100 was outside control limits for Ammonia. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Method 350.1: The matrix spike (MS) performed on sample MWB-29(D)c (640-34882-21) in batch 84150 was outside control limits for Ammonia. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Method 350.1: The matrix spike (MS) performed on sample MWB-31(D)b (640-34882-31) in batch 84150 was outside control limits for Ammonia. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Method 353.2: The matrix spike (MS) performed on sample MWB-12(D)c (640-34894-1) in batch 84229 was outside control limits for Nitrate Nitrite as N. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Method 353.2: The matrix spike (MS) performed on sample Dup03 (640-34894-10) in batch 84229 was outside control limits for Nitrate Nitrite as N. The recovery was biased high and is flagged "J". The associated LCS/LCSD met acceptance criteria.

Job ID: 640-34882-1 (Continued)

Laboratory: TestAmerica Tallahassee (Continued)

No other analytical or quality issues were noted.

Subcontract Work

Method SM9222D (Fecal Coliform): This method was subcontracted to Diversified Environmental Laboratories. Their report is attached as received by TestAmerica.

Detection Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(I)c — Lab Sample ID: 640-34882-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	490	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.5		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	56		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.36	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.4	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	5.4		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.066		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.024		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.024		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	57		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.29				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.5				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	52				umhos/cm	1		Field Sampling	Total/NA
Temperature	22.6				Degrees C	1		Field Sampling	Total/NA
Turbidity	7.65				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	123.37				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-27(D)c — Lab Sample ID: 640-34882-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	770	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.6		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	55		2.5	0.42	ug/L	5		6020	Total Recovera
Nickel	1.4	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	5.5		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.084		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.020		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.020		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	89		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.46				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	87				umhos/cm	1		Field Sampling	Total/NA
Temperature	22.3				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.77				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	123.27				ft	1		Field Sampling	Total/NA

Client Sample ID: Dup02 — Lab Sample ID: 640-34882-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	760	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.7		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	53		2.5	0.42	ug/L	5		6020	Total Recovera
Nickel	1.6	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	3.3		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.081		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.024		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.024		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	83		5.0	2.3	mg/L	1		SM 2540C	Total/NA

Detection Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-22(S)c — Lab Sample ID: 640-34882-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	130	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	13		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.89	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	6.5		2.5	0.42	ug/L	5		6020	Total Recovera
Copper	2.0	I	2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.43	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	2.3	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	3.4		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	33	J	2.0	0.072	mg/L	2		300.0	Total/NA
Ammonia	0.11		0.020	0.0043	mg/L	1		350.1	Total/NA
Total Dissolved Solids	230		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.38				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.6				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	252				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.5				Degrees C	1		Field Sampling	Total/NA
Turbidity	7.78				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	114.77				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-21(S)c — Lab Sample ID: 640-34882-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	530	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.3		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.6		1.3	0.66	ug/L	5		6020	Total Recovera
Barium	19		2.5	0.42	ug/L	5		6020	Total Recovera
Copper	2.4	I	2.5	1.9	ug/L	5		6020	Total Recovera
Nickel	2.0	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.4	I	2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.8		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.11		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0098	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0098	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	40	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.38				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.4				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	41				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.8				Degrees C	1		Field Sampling	Total/NA
Turbidity	4.08				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	111.64				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-17(S)c — Lab Sample ID: 640-34882-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	140	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	5.2		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	3.4		2.5	0.42	ug/L	5		6020	Total Recovera
Nickel	1.6	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	3.1		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	7.9		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.40		0.020	0.0043	mg/L	1		350.1	Total/NA

Client Sample ID: MWB-17(S)c (Continued) — Lab Sample ID: 640-34882-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	150	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.4				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.8				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	124				umhos/cm	1		Field Sampling	Total/NA
Temperature	28.2				Degrees C	1		Field Sampling	Total/NA
Turbidity	1.99				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	129.93				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-17(I)c — Lab Sample ID: 640-34882-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	310	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.2		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	35		2.5	0.42	ug/L	5		6020	Total Recovera
Nickel	1.7	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	4.7		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.028		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0086	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0086	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	31	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.69				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.0				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	28				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.9				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.54				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	133.25				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-17(D)c — Lab Sample ID: 640-34882-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.3	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	340	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.4		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	34		2.5	0.42	ug/L	5		6020	Total Recovera
Copper	12		2.5	1.9	ug/L	5		6020	Total Recovera
Nickel	1.2	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.6		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.9		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.040		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.011		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.011		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	61	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.22				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.0				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	49				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.2				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.83				NTU	1		Field Sampling	Total/NA

Client Sample ID: MWB-17(D)c (Continued) — Lab Sample ID: 640-34882-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ground Water Elevation	129.73				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-11(S)c — Lab Sample ID: 640-34882-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	1500	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	10		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.80	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	79		2.5	0.42	ug/L	5		6020	Total Recovera
Cobalt	0.86	I	2.5	0.25	ug/L	5		6020	Total Recovera
Lead	0.17	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.8	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	0.47	I	1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	3.6		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	18		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.18		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.024		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.024		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	91	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	3.76				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	146				umhos/cm	1		Field Sampling	Total/NA
Temperature	23.6				Degrees C	1		Field Sampling	Total/NA
Turbidity	3.09				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	107.66				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-11(1)(R)c — Lab Sample ID: 640-34882-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	450	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.3		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.90	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	44		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.41	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	0.90	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	4.0		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.4		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.039		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0062	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Total Dissolved Solids	40	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.69				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.5				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	35				umhos/cm	1		Field Sampling	Total/NA
Temperature	24.4				Degrees C	1		Field Sampling	Total/NA
Turbidity	2.79				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	107.87				ft	1		Field Sampling	Total/NA

Detection Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(S)c — Lab Sample ID: 640-34882-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	260	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	13		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	14		2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	0.68	I	2.5	0.63	ug/L	5		6020	Total Recovera
Copper	16		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.57	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	2.7	V	2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	0.46	I	1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	4.7		2.5	2.2	ug/L	5		6020	Total Recovera
Zinc	14	I	20	14	ug/L	5		6020	Total Recovera
Chloride	16		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.62		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.010		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.010		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	130	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Brown Tint				PCU	1		Field Sampling	Total/NA
Field pH	4.62				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	144				umhos/cm	1		Field Sampling	Total/NA
Temperature	27.8				Degrees C	1		Field Sampling	Total/NA
Turbidity	14.87				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	113.26				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-32(S)d — Lab Sample ID: 640-34882-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	780	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	22		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.95	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	30		2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	1.0	I	2.5	0.63	ug/L	5		6020	Total Recovera
Cobalt	0.44	I	2.5	0.25	ug/L	5		6020	Total Recovera
Copper	7.7		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.49	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	2.4	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	4.2		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	39		5.0	0.18	mg/L	5		300.0	Total/NA
Ammonia	0.59		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.014		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.014		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	210	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Lt Brown				PCU	1		Field Sampling	Total/NA
Field pH	5.21				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.4				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	253				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.6				Degrees C	1		Field Sampling	Total/NA
Turbidity	9.65				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	116.34				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-32(I)d — Lab Sample ID: 640-34882-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	400	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.1		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	38		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	1.4		1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.3	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.5		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.8	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.028		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0072	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0072	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	50	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Whitish Tint				PCU	1		Field Sampling	Total/NA
Field pH	5.31				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.3				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	41				umhos/cm	1		Field Sampling	Total/NA
Temperature	22.1				Degrees C	1		Field Sampling	Total/NA
Turbidity	43.73				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	117.78				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-32(D)d — Lab Sample ID: 640-34882-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	680	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	4.3		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	51		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.57	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.1	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.2	I	2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	6.2	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.11		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.011		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.011		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	130	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	6.05				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.3				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	126				umhos/cm	1		Field Sampling	Total/NA
Temperature	22.5				Degrees C	1		Field Sampling	Total/NA
Turbidity	5.13				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	117.57				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-34(S)d — Lab Sample ID: 640-34882-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	200	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	58		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.0	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	3.1		2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	0.95	I	2.5	0.63	ug/L	5		6020	Total Recovera
Cobalt	0.49	I	2.5	0.25	ug/L	5		6020	Total Recovera
Copper	4.3		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.37	I	1.3	0.17	ug/L	5		6020	Total Recovera

Client Sample ID: MWB-34(S)d (Continued) — Lab Sample ID: 640-34882-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	5.7	V	2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	0.86	I	1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	15		2.5	2.2	ug/L	5		6020	Total Recovera
Zinc	49		20	14	ug/L	5		6020	Total Recovera
Chloride	260	J	15	0.54	mg/L	15		300.0	Total/NA
Ammonia	1.1		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.35		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.35		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	470	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Sl Yellow				PCU	1		Field Sampling	Total/NA
Field pH	5.96				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.4				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	858				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.2				Degrees C	1		Field Sampling	Total/NA
Turbidity	3.56				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	116.2				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-34(I)d — Lab Sample ID: 640-34882-16

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	460	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.5		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.73	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	51		2.5	0.42	ug/L	5		6020	Total Recovera
Copper	1.9	I	2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.30	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.0	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	5.7		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.052		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0088	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0088	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	47	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.08				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.3				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	42				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.5				Degrees C	1		Field Sampling	Total/NA
Turbidity	5.35				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	117.14				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-34(D)d — Lab Sample ID: 640-34882-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	490	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	6.1		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.67	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	110		2.5	0.42	ug/L	5		6020	Total Recovera
Copper	2.4	I	2.5	1.9	ug/L	5		6020	Total Recovera
Nickel	0.82	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	5.6	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.20		0.020	0.0043	mg/L	1		350.1	Total/NA

Client Sample ID: MWB-34(D)d (Continued) — Lab Sample ID: 640-34882-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	0.0052	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0052	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	240	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	6.91				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	419				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.0				Degrees C	1		Field Sampling	Total/NA
Turbidity	2.49				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	117.07				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-33(S)d — Lab Sample ID: 640-34882-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	340	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	5.9		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	18		2.5	0.42	ug/L	5		6020	Total Recovera
Cobalt	0.28	I	2.5	0.25	ug/L	5		6020	Total Recovera
Copper	50		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.19	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	45	V	2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	2.4		1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	11		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	11	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.82		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.23		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.23		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	140	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.35				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.7				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	170				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.7				Degrees C	1		Field Sampling	Total/NA
Turbidity	7.38				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	115.76				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-29(S)c — Lab Sample ID: 640-34882-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	290	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	6.0		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	9.4		2.5	0.42	ug/L	5		6020	Total Recovera
Nickel	0.71	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	13	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.16		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0082	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0082	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	44	V	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.51				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.6				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA

Client Sample ID: MWB-29(S)c (Continued) — Lab Sample ID: 640-34882-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	54				umhos/cm	1		Field Sampling	Total/NA
Temperature	27.3				Degrees C	1		Field Sampling	Total/NA
Turbidity	3.98				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	130.66				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-29(I)c — Lab Sample ID: 640-34882-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	400	V	50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.3		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	44		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.74	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.6	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Chloride	6.4	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.030		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0086	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0086	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	24		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Sl Tan				PCU	1		Field Sampling	Total/NA
Field pH	4.9				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.4				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	36				umhos/cm	1		Field Sampling	Total/NA
Temperature	23.8				Degrees C	1		Field Sampling	Total/NA
Turbidity	14.28				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	133.4				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-29(D)c — Lab Sample ID: 640-34882-21

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	720		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.9		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	56	V	2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.25	I	1.3	0.17	ug/L	5		6020	Total Recovera
Chloride	7.2	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.085		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.013		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.013		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	44		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.35				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.3				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	63				umhos/cm	1		Field Sampling	Total/NA
Temperature	23.8				Degrees C	1		Field Sampling	Total/NA
Turbidity	2.68				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	133.36				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-27(S)c — Lab Sample ID: 640-34882-22

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	390		50	2.7	ug/L	1		6010C	Total Recovera

Client Sample ID: MWB-27(S)c (Continued) — Lab Sample ID: 640-34882-22

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	30		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.3		1.3	0.66	ug/L	5		6020	Total Recovera
Barium	37	V	2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	0.74	I	2.5	0.63	ug/L	5		6020	Total Recovera
Cobalt	0.34	I	2.5	0.25	ug/L	5		6020	Total Recovera
Copper	2.2	I	2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.25	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	1.8	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	0.35	I	1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	5.3		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	58	J	2.0	0.072	mg/L	2		300.0	Total/NA
Ammonia	0.56		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.020		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.020		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	170		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.5				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.5				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	327				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.2				Degrees C	1		Field Sampling	Total/NA
Turbidity	3.71				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	122.07				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-7(D)c — Lab Sample ID: 640-34882-23

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	320		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	4.6		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	89	V	2.5	0.42	ug/L	5		6020	Total Recovera
Chloride	4.3	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.15		0.020	0.0043	mg/L	1		350.1	Total/NA
Total Dissolved Solids	200		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	7.26				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.0				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	313				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.5				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.59				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	118.7				ft	1		Field Sampling	Total/NA

Client Sample ID: Dup01 — Lab Sample ID: 640-34882-24

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	240		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	4.5		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	87	V	2.5	0.42	ug/L	5		6020	Total Recovera
Chloride	4.5	J	1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.14		0.020	0.0043	mg/L	1		350.1	Total/NA
Total Dissolved Solids	210		5.0	2.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MWB-7(1)c — Lab Sample ID: 640-34882-25

Client Sample ID: MWB-7(1)c (Continued)

Lab Sample ID: 640-34882-25

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	400		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.2		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	54	V	2.5	0.42	ug/L	5		6020	Total Recovera
Vanadium	2.4	I	2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.8		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.032		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0078	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0078	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	51		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.94				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.0				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	39				umhos/cm	1		Field Sampling	Total/NA
Temperature	27.3				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.45				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	116.53				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-19(S)c

Lab Sample ID: 640-34882-26

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	2100		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	9.4		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	110	V	2.5	0.42	ug/L	5		6020	Total Recovera
Cobalt	0.64	I	2.5	0.25	ug/L	5		6020	Total Recovera
Lead	0.26	I	1.3	0.17	ug/L	5		6020	Total Recovera
Selenium	0.38	I	1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	3.4		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	18		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.42		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.020		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.020		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	80		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Field pH	4.08				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	121				umhos/cm	1		Field Sampling	Total/NA
Temperature	27.4				Degrees C	1		Field Sampling	Total/NA
Turbidity	2.47				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	117.98				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-19(I)c

Lab Sample ID: 640-34882-27

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	510		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.3		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.80	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	58	V	2.5	0.42	ug/L	5		6020	Total Recovera
Cobalt	0.58	I	2.5	0.25	ug/L	5		6020	Total Recovera
Copper	2.0	I	2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.72	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	0.88	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.7		2.5	2.2	ug/L	5		6020	Total Recovera

Client Sample ID: MWB-19(I)c (Continued) — Lab Sample ID: 640-34882-27

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.5		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.031		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0077	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0077	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	34		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.79				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.3				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	32				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.6				Degrees C	1		Field Sampling	Total/NA
Turbidity	1.01				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	119.32				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-19(D)c — Lab Sample ID: 640-34882-28

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	1800		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	4.5		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.0	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	110	V	2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	1.2	I	2.5	0.63	ug/L	5		6020	Total Recovera
Copper	3.0		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.58	I	1.3	0.17	ug/L	5		6020	Total Recovera
Vanadium	3.4		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	4.7		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.097		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0096	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0096	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	210		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	7.13				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.1				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	330				umhos/cm	1		Field Sampling	Total/NA
Temperature	29.1				Degrees C	1		Field Sampling	Total/NA
Turbidity	2.22				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	119.68				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-3(I)b — Lab Sample ID: 640-34882-29

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	750		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.5		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.88	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	27	V	2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.27	I	1.3	0.17	ug/L	5		6020	Total Recovera
Chloride	6.4		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.011	I	0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.97		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.97		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	27		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA

Client Sample ID: MWB-3(I)b (Continued) — Lab Sample ID: 640-34882-29

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	4.47				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	35				umhos/cm	1		Field Sampling	Total/NA
Temperature	22.9				Degrees C	1		Field Sampling	Total/NA
Turbidity	1.72				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	136.51				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-3(S)b — Lab Sample ID: 640-34882-30

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1900		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	4.4		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.77	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	17	V	2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.66	I	1.3	0.17	ug/L	5		6020	Total Recovera
Chloride	8.3		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.019	I	0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.015		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.015		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	34		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.24				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.1				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	58				umhos/cm	1		Field Sampling	Total/NA
Temperature	24.7				Degrees C	1		Field Sampling	Total/NA
Turbidity	4.77				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	141.73				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-31(D)b — Lab Sample ID: 640-34882-31

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	770		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	5.8		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	0.99	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	96	V	2.5	0.42	ug/L	5		6020	Total Recovera
Copper	1.9	I	2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.48	I	1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	2.3	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.2	I	2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.5		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.18		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0091	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0091	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	210		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	6.88				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.9				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	336				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.0				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.72				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	137.0				ft	1		Field Sampling	Total/NA

Detection Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Field Blank 01 — Lab Sample ID: 640-34882-32

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	I	25	3.0	ug/L	1		8260C	Total/NA
Lead	1.7		1.3	0.17	ug/L	5		6020	Total Recovera
Nitrate Nitrite as N	0.013		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.013		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	5.0		5.0	2.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Trip Blank 01 — Lab Sample ID: 640-34882-33

No Detections

Client Sample ID: MWB-12(D)c — Lab Sample ID: 640-34894-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
DBCP	0.013	I	0.019	0.0057	ug/L	1		8011	Total/NA
EDB	0.013	I	0.019	0.0061	ug/L	1		8011	Total/NA
Iron	910		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	5.6		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	130	V	2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.42	I	1.3	0.17	ug/L	5		6020	Total Recovera
Chloride	4.4		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.18		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0096	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0096	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	210	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	6.9				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	358				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.3				Degrees C	1		Field Sampling	Total/NA
Turbidity	2.08				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	118.8				ft	1		Field Sampling	Total/NA

Client Sample ID: Dup04 — Lab Sample ID: 640-34894-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	920		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	6.0		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	130	V	2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.22	I	1.3	0.17	ug/L	5		6020	Total Recovera
Vanadium	2.6		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	4.4		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.20		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.011		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.011		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	200	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MWB-12(1)c — Lab Sample ID: 640-34894-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	340		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.0		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	53	V	2.5	0.42	ug/L	5		6020	Total Recovera
Vanadium	2.5		2.5	2.2	ug/L	5		6020	Total Recovera

Client Sample ID: MWB-12(1)c (Continued) — Lab Sample ID: 640-34894-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.5		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.040		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.021		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.021		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	29	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.95				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.5				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	38				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.6				Degrees C	1		Field Sampling	Total/NA
Turbidity	1.3				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	117.52				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-12(S)c — Lab Sample ID: 640-34894-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	110		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.9		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.6		1.3	0.66	ug/L	5		6020	Total Recovera
Barium	6.0	V	2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	1.8	I	2.5	0.63	ug/L	5		6020	Total Recovera
Copper	3.3		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.92	I	1.3	0.17	ug/L	5		6020	Total Recovera
Selenium	2.5		1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	14		2.5	2.2	ug/L	5		6020	Total Recovera
Zinc	15	I	20	14	ug/L	5		6020	Total Recovera
Chloride	7.1		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.14		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.010		0.010	0.0047	mg/L	1		353.2	Total/NA
Total Dissolved Solids	88	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Brown Tint				PCU	1		Field Sampling	Total/NA
Field pH	5.33				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.6				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	128				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.3				Degrees C	1		Field Sampling	Total/NA
Turbidity	15.08				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	113.78				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-13(S)c — Lab Sample ID: 640-34894-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	I	25	3.0	ug/L	1		8260C	Total/NA
Iron	360		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	40		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	13	V	2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	5.3		2.5	0.63	ug/L	5		6020	Total Recovera
Copper	2.8		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	1.5		1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	2.0	I V	2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	8.2		1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	57		2.5	2.2	ug/L	5		6020	Total Recovera

Client Sample ID: MWB-13(S)c (Continued) — Lab Sample ID: 640-34894-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	61		5.0	0.18	mg/L	5		300.0	Total/NA
Ammonia	0.030		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.28		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.28		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	260	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Brown Tint				PCU	1		Field Sampling	Total/NA
Field pH	5.61				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.6				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	379				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.7				Degrees C	1		Field Sampling	Total/NA
Turbidity	10.41				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	111.95				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-13(I)c — Lab Sample ID: 640-34894-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	390		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.1		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	35	V	2.5	0.42	ug/L	5		6020	Total Recovera
Copper	2.5		2.5	1.9	ug/L	5		6020	Total Recovera
Lead	0.40	I	1.3	0.17	ug/L	5		6020	Total Recovera
Vanadium	3.3		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	5.8		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.042		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.012		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.012		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	31	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.78				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.4				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	35				umhos/cm	1		Field Sampling	Total/NA
Temperature	25.1				Degrees C	1		Field Sampling	Total/NA
Turbidity	4.65				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	108.84				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-2(S)b — Lab Sample ID: 640-34894-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	540		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	3.9		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.1	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	13	V	2.5	0.42	ug/L	5		6020	Total Recovera
Cadmium	1.1	I	2.5	0.59	ug/L	5		6020	Total Recovera
Lead	24		1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	13	V	2.5	0.70	ug/L	5		6020	Total Recovera
Vanadium	2.9		2.5	2.2	ug/L	5		6020	Total Recovera
Chloride	8.6		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.048		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.024		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.024		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	21	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA

Client Sample ID: MWB-2(S)b (Continued) — Lab Sample ID: 640-34894-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	4.26				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.5				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	63				umhos/cm	1		Field Sampling	Total/NA
Temperature	24.9				Degrees C	1		Field Sampling	Total/NA
Turbidity	1.36				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	135.87				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-2(I)b — Lab Sample ID: 640-34894-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	330		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	4.1		1.0	0.71	mg/L	1		6010C	Total Recovera
Arsenic	1.1	I	1.3	0.66	ug/L	5		6020	Total Recovera
Barium	23	V	2.5	0.42	ug/L	5		6020	Total Recovera
Cobalt	0.27	I	2.5	0.25	ug/L	5		6020	Total Recovera
Lead	3.1		1.3	0.17	ug/L	5		6020	Total Recovera
Zinc	23		20	14	ug/L	5		6020	Total Recovera
Chloride	7.5		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.023		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0083	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.0083	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	37		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	4.62				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.1				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	35				umhos/cm	1		Field Sampling	Total/NA
Temperature	23.2				Degrees C	1		Field Sampling	Total/NA
Turbidity	0.82				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	135.88				ft	1		Field Sampling	Total/NA

Client Sample ID: MWB-20(S)c — Lab Sample ID: 640-34894-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	80		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	9.7		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	14		2.5	0.42	ug/L	5		6020	Total Recovera
Chloride	13		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.38		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.11		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.11		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	72	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA
Color	Brown Tint				PCU	1		Field Sampling	Total/NA
Field pH	4.22				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.2				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	111				umhos/cm	1		Field Sampling	Total/NA
Temperature	26.3				Degrees C	1		Field Sampling	Total/NA
Turbidity	9.13				NTU	1		Field Sampling	Total/NA
Ground Water Elevation	111.66				ft	1		Field Sampling	Total/NA

Client Sample ID: Dup03 — Lab Sample ID: 640-34894-10

Client Sample ID: Dup03 (Continued) — Lab Sample ID: 640-34894-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	120		50	2.7	ug/L	1		6010C	Total Recovera
Sodium	9.5		1.0	0.71	mg/L	1		6010C	Total Recovera
Barium	14		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.17	I	1.3	0.17	ug/L	5		6020	Total Recovera
Chloride	13		1.0	0.036	mg/L	1		300.0	Total/NA
Ammonia	0.39		0.020	0.0043	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.15		0.010	0.0047	mg/L	1		353.2	Total/NA
Nitrate as N	0.15		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	72	Q	5.0	2.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Trip Blank 02 — Lab Sample ID: 640-34894-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.27	I	1.0	0.13	ug/L	1		8260C	Total/NA
Chloromethane	0.30	I	1.0	0.28	ug/L	1		8260C	Total/NA
Methylene Chloride	0.33	I	5.0	0.27	ug/L	1		8260C	Total/NA

Client Sample ID: Field Blank 02 — Lab Sample ID: 640-34894-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.50	I	1.0	0.13	ug/L	1		8260C	Total/NA
Methylene Chloride	1.3	I	5.0	0.27	ug/L	1		8260C	Total/NA
Iron	15	I	50	2.7	ug/L	1		6010C	Total Recovera
Lead	2.3		1.3	0.17	ug/L	5		6020	Total Recovera

Client Sample ID: SW-1 — Lab Sample ID: 640-34897-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	I	25	3.0	ug/L	1		8260C	Total/NA
Chloroform	1.2		1.0	0.21	ug/L	1		8260C	Total/NA
Mercury	0.00073		0.00050	0.00020	ug/L	1		1631E	Total/NA
Iron	330		50	2.7	ug/L	1		6010C	Total Recovera
Barium	51		2.5	0.42	ug/L	5		6020	Total Recovera
Lead	0.75	I	1.3	0.17	ug/L	5		6020	Total Recovera
Hardness as calcium carbonate	110		3.3	3.3	mg/L	1		SM 2340B	Total/NA
Nitrate Nitrite as N	0.0092	I	0.010	0.0047	mg/L	1		353.2	Total/NA
Phosphorus	0.021		0.010	0.0044	mg/L	1		365.1	Total/NA
Nitrate as N	0.0092	I	0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	180		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.8		2.5	1.5	mg/L	1		SM 2540D	Total/NA
ortho-Phosphate	0.0022	I	0.010	0.0014	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	2.4		2.0	1.5	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	65		20	10	mg/L	1		SM 5220D	Total/NA
Total Organic Carbon	22		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Nitrogen, Total	0.85		0.25	0.25	mg/L	1		Total Nitrogen	Total/NA
Color	Sl Yellow				PCU	1		Field Sampling	Total/NA
Field pH	7.15				SU	1		Field Sampling	Total/NA
Field Temperature	26.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.3				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	251				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.11				NTU	1		Field Sampling	Total/NA
Chlorophyll-a	4.90		0.500	0.500	ug/L	1.00		SM 10200H by E83	Total

Client Sample ID: SW-2 — Lab Sample ID: 640-34897-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.5	I	25	3.0	ug/L	1		8260C	Total/NA
Mercury	0.00041	I	0.00050	0.00020	ug/L	1		1631E	Total/NA
Iron	310		50	2.7	ug/L	1		6010C	Total Recovera
Barium	84		2.5	0.42	ug/L	5		6020	Total Recovera
Hardness as calcium carbonate	8.2		3.3	3.3	mg/L	1		SM 2340B	Total/NA
Nitrate Nitrite as N	0.015		0.010	0.0047	mg/L	1		353.2	Total/NA
Phosphorus	0.015		0.010	0.0044	mg/L	1		365.1	Total/NA
Nitrate as N	0.015		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	54		5.0	2.3	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.2		2.5	1.5	mg/L	1		SM 2540D	Total/NA
ortho-Phosphate	0.0066	I	0.010	0.0014	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	23		20	10	mg/L	1		SM 5220D	Total/NA
Total Organic Carbon	6.9		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Nitrogen, Total	0.31		0.25	0.25	mg/L	1		Total Nitrogen	Total/NA
Color	None				PCU	1		Field Sampling	Total/NA
Field pH	5.75				SU	1		Field Sampling	Total/NA
Field Temperature	25.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.6				mg/L	1		Field Sampling	Total/NA
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	50				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.97				NTU	1		Field Sampling	Total/NA
Chlorophyll-a	4.90		0.500	0.500	ug/L	1.00		SM 10200H by E83	Total

Client Sample ID: SW-3 — Lab Sample ID: 640-34897-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury - DL	0.015		0.0010	0.00040	ug/L	2		1631E	Total/NA
Iron	960		50	2.7	ug/L	1		6010C	Total Recovera
Antimony	1.8		1.3	0.84	ug/L	5		6020	Total Recovera
Arsenic	2.4		1.3	0.66	ug/L	5		6020	Total Recovera
Barium	79		2.5	0.42	ug/L	5		6020	Total Recovera
Chromium	1.9	I	2.5	0.63	ug/L	5		6020	Total Recovera
Cobalt	0.40	I	2.5	0.25	ug/L	5		6020	Total Recovera
Copper	2.0	I	2.5	1.9	ug/L	5		6020	Total Recovera
Lead	5.3		1.3	0.17	ug/L	5		6020	Total Recovera
Nickel	3.4		2.5	0.70	ug/L	5		6020	Total Recovera
Selenium	0.89	I	1.3	0.33	ug/L	5		6020	Total Recovera
Vanadium	4.6		2.5	2.2	ug/L	5		6020	Total Recovera
Hardness as calcium carbonate	170		3.3	3.3	mg/L	1		SM 2340B	Total/NA
Nitrate Nitrite as N	0.023		0.010	0.0047	mg/L	1		353.2	Total/NA
Phosphorus	0.085		0.010	0.0044	mg/L	1		365.1	Total/NA
Nitrate as N	0.018		0.010	0.0047	mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	360		10	4.6	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	13		2.5	1.5	mg/L	1		SM 2540D	Total/NA
ortho-Phosphate	0.059		0.010	0.0014	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	3.6		2.0	1.5	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	73		20	10	mg/L	1		SM 5220D	Total/NA
Total Organic Carbon	24		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Nitrogen, Total	4.0		0.25	0.25	mg/L	1		Total Nitrogen	Total/NA
Unionized Ammonia	0.023		0.00028	0.00028	mg/L	1		UnionizedNH3	Total/NA
Color	Lt Tan				PCU	1		Field Sampling	Total/NA
Field pH	6.96				SU	1		Field Sampling	Total/NA
Field Temperature	30.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.7				mg/L	1		Field Sampling	Total/NA

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-3 (Continued) — Lab Sample ID: 640-34897-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sheen	None				NONE	1		Field Sampling	Total/NA
Specific Conductance	496				umhos/cm	1		Field Sampling	Total/NA
Turbidity	41.71				NTU	1		Field Sampling	Total/NA
Chlorophyll-a	61.9		0.500	0.500	ug/L	1.00		SM 10200H by E83	Total

Client Sample ID: Trip Blank 04 — Lab Sample ID: 640-34897-4

No Detections

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(I)c
Date Collected: 08/16/11 09:07
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 12:27	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 12:27	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 12:27	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 12:27	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 12:27	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 12:27	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 12:27	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 12:27	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 12:27	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 12:27	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 12:27	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 12:27	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 12:27	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 12:27	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 12:27	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 12:27	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 12:27	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 12:27	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 12:27	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 12:27	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 12:27	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 12:27	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 12:27	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 12:27	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 12:27	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 12:27	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 12:27	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 12:27	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 12:27	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 12:27	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 12:27	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 12:27	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 12:27	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 12:27	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 12:27	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 12:27	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 12:27	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 12:27	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 12:27	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 12:27	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 12:27	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 12:27	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 12:27	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 12:27	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 12:27	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 12:27	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 12:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*85 - 113*		*08/20/11 12:27*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(I)c
Date Collected: 08/16/11 09:07
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*97*		*82 - 114*		*08/20/11 12:27*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 12:27*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 20:30	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 20:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*94*		*56 - 144*	*08/25/11 10:16*	*08/25/11 20:30*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**490**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 16:35	1
Sodium	**3.5**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 16:35	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:27	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:27	5
Barium	**56**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:27	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:27	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:27	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:27	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:27	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:27	5
Lead	**0.36**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:27	5
Nickel	**1.4**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:27	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:27	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:27	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:27	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:27	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:27	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.4**		1.0	0.036	mg/L			08/27/11 11:49	1
Ammonia	**0.066**		0.020	0.0043	mg/L			08/21/11 19:39	1
Nitrate Nitrite as N	**0.024**		0.010	0.0047	mg/L			08/18/11 13:51	1
Nitrate as N	**0.024**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**57**		5.0	2.3	mg/L			08/23/11 14:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 09:06	1
Field pH	**5.29**				SU			08/16/11 09:06	1
Oxygen, Dissolved	**0.5**				mg/L			08/16/11 09:06	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(I)c
Date Collected: 08/16/11 09:07
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-1
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 09:06	1
Specific Conductance	52				umhos/cm			08/16/11 09:06	1
Temperature	22.6				Degrees C			08/16/11 09:06	1
Turbidity	7.65				NTU			08/16/11 09:06	1
Ground Water Elevation	123.37				ft			08/16/11 09:06	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(D)c
Date Collected: 08/16/11 08:33
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 12:48	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 12:48	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 12:48	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 12:48	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 12:48	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 12:48	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 12:48	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 12:48	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 12:48	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 12:48	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 12:48	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 12:48	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 12:48	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 12:48	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 12:48	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 12:48	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 12:48	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 12:48	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 12:48	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 12:48	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 12:48	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 12:48	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 12:48	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 12:48	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 12:48	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 12:48	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 12:48	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 12:48	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 12:48	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 12:48	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 12:48	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 12:48	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 12:48	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 12:48	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 12:48	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 12:48	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 12:48	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 12:48	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 12:48	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 12:48	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 12:48	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 12:48	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 12:48	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 12:48	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 12:48	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 12:48	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 12:48	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/20/11 12:48*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(D)c
Date Collected: 08/16/11 08:33
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*95*		*82 - 114*		*08/20/11 12:48*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 12:48*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 20:45	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 20:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*114*		*56 - 144*	*08/25/11 10:16*	*08/25/11 20:45*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**770**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 16:52	1
Sodium	**3.6**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 16:52	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:33	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:33	5
Barium	**55**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:33	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:33	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:33	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:33	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:33	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:33	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:33	5
Nickel	**1.4**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:33	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:33	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:33	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:33	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:33	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:33	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.5**		1.0	0.036	mg/L			08/27/11 12:05	1
Ammonia	**0.084**		0.020	0.0043	mg/L			08/21/11 19:29	1
Nitrate Nitrite as N	**0.020**		0.010	0.0047	mg/L			08/18/11 13:40	1
Nitrate as N	**0.020**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**89**		5.0	2.3	mg/L			08/23/11 14:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 08:32	1
Field pH	**5.46**				SU			08/16/11 08:32	1
Oxygen, Dissolved	**0.2**				mg/L			08/16/11 08:32	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(D)c
Date Collected: 08/16/11 08:33
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-2
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 08:32	1
Specific Conductance	87				umhos/cm			08/16/11 08:32	1
Temperature	22.3				Degrees C			08/16/11 08:32	1
Turbidity	0.77				NTU			08/16/11 08:32	1
Ground Water Elevation	123.27				ft			08/16/11 08:32	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup02
Date Collected: 08/16/11 08:33
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 13:10	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 13:10	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 13:10	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 13:10	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 13:10	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 13:10	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 13:10	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 13:10	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 13:10	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 13:10	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 13:10	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 13:10	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 13:10	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 13:10	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 13:10	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 13:10	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 13:10	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 13:10	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 13:10	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 13:10	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 13:10	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 13:10	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 13:10	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 13:10	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 13:10	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 13:10	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 13:10	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 13:10	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 13:10	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 13:10	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 13:10	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 13:10	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 13:10	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 13:10	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 13:10	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 13:10	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 13:10	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 13:10	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 13:10	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 13:10	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 13:10	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 13:10	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 13:10	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 13:10	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 13:10	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 13:10	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 13:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*85 - 113*		*08/20/11 13:10*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup02
Date Collected: 08/16/11 08:33
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*98*		*82 - 114*		*08/20/11 13:10*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 13:10*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 21:00	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 21:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*95*		*56 - 144*	*08/25/11 10:16*	*08/25/11 21:00*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**760**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 16:56	1
Sodium	**3.7**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 16:56	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:40	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:40	5
Barium	**53**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:40	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:40	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:40	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:40	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:40	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:40	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:40	5
Nickel	**1.6**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:40	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:40	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:40	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:40	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:40	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:40	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.3**		1.0	0.036	mg/L			08/27/11 22:46	1
Ammonia	**0.081**		0.020	0.0043	mg/L			08/21/11 19:34	1
Nitrate Nitrite as N	**0.024**		0.010	0.0047	mg/L			08/18/11 13:49	1
Nitrate as N	**0.024**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**83**		5.0	2.3	mg/L			08/23/11 14:30	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-22(S)c
Date Collected: 08/16/11 07:58
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 13:31	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 13:31	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 13:31	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 13:31	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 13:31	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 13:31	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 13:31	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 13:31	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 13:31	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 13:31	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 13:31	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 13:31	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 13:31	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 13:31	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 13:31	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 13:31	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 13:31	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 13:31	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 13:31	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 13:31	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 13:31	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 13:31	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 13:31	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 13:31	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 13:31	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 13:31	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 13:31	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 13:31	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 13:31	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 13:31	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 13:31	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 13:31	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 13:31	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 13:31	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 13:31	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 13:31	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 13:31	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 13:31	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 13:31	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 13:31	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 13:31	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 13:31	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 13:31	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 13:31	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 13:31	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 13:31	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 13:31	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/20/11 13:31*	*1*

Client Sample ID: MWB-22(S)c
Date Collected: 08/16/11 07:58
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*82 - 114*		*08/20/11 13:31*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/20/11 13:31*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 21:14	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 21:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*120*		*56 - 144*	*08/25/11 10:16*	*08/25/11 21:14*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**130**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:10	1
Sodium	**13**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:10	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:46	5
Arsenic	**0.89**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:46	5
Barium	**6.5**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:46	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:46	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:46	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:46	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:46	5
Copper	**2.0**	**I**	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:46	5
Lead	**0.43**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:46	5
Nickel	**2.3**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:46	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:46	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:46	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:46	5
Vanadium	**3.4**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:46	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:46	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33**	**J**	2.0	0.072	mg/L			08/30/11 23:46	2
Ammonia	**0.11**		0.020	0.0043	mg/L			08/21/11 19:36	1
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 13:53	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**230**		5.0	2.3	mg/L			08/23/11 14:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 07:57	1
Field pH	**5.38**				SU			08/16/11 07:57	1
Oxygen, Dissolved	**0.6**				mg/L			08/16/11 07:57	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-22(S)c
Date Collected: 08/16/11 07:58
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-4
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 07:57	1
Specific Conductance	252				umhos/cm			08/16/11 07:57	1
Temperature	26.5				Degrees C			08/16/11 07:57	1
Turbidity	7.78				NTU			08/16/11 07:57	1
Ground Water Elevation	114.77				ft			08/16/11 07:57	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-21(S)c
Date Collected: 08/16/11 07:26
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 13:53	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 13:53	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 13:53	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 13:53	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 13:53	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 13:53	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 13:53	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 13:53	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 13:53	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 13:53	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 13:53	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 13:53	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 13:53	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 13:53	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 13:53	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 13:53	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 13:53	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 13:53	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 13:53	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 13:53	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 13:53	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 13:53	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 13:53	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 13:53	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 13:53	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 13:53	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 13:53	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 13:53	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 13:53	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 13:53	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 13:53	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 13:53	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 13:53	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 13:53	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 13:53	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 13:53	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 13:53	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 13:53	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 13:53	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 13:53	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 13:53	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 13:53	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 13:53	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 13:53	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 13:53	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 13:53	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 13:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/20/11 13:53*	*1*

Client Sample ID: MWB-21(S)c
Date Collected: 08/16/11 07:26
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*82 - 114*		*08/20/11 13:53*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 13:53*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 21:29	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 21:29	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*115*		*56 - 144*	*08/25/11 10:16*	*08/25/11 21:29*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**530**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:14	1
Sodium	**3.3**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:14	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:52	5
Arsenic	**1.6**		1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:52	5
Barium	**19**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:52	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:52	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:52	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:52	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:52	5
Copper	**2.4**	**I**	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:52	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:52	5
Nickel	**2.0**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:52	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:52	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:52	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:52	5
Vanadium	**2.4**	**I**	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:52	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:52	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:40	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**		1.0	0.036	mg/L			08/27/11 23:20	1
Ammonia	**0.11**		0.020	0.0043	mg/L			08/21/11 19:37	1
Nitrate Nitrite as N	**0.0098**	**I**	0.010	0.0047	mg/L			08/18/11 13:55	1
Nitrate as N	**0.0098**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**40**	**Q**	5.0	2.3	mg/L			10/03/11 14:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 07:25	1
Field pH	**4.38**				SU			08/16/11 07:25	1
Oxygen, Dissolved	**0.4**				mg/L			08/16/11 07:25	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-21(S)c
Date Collected: 08/16/11 07:26
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-5
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 07:25	1
Specific Conductance	41				umhos/cm			08/16/11 07:25	1
Temperature	25.8				Degrees C			08/16/11 07:25	1
Turbidity	4.08				NTU			08/16/11 07:25	1
Ground Water Elevation	111.64				ft			08/16/11 07:25	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(S)c
Date Collected: 08/16/11 12:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 14:15	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 14:15	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 14:15	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 14:15	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 14:15	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 14:15	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 14:15	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 14:15	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 14:15	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 14:15	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 14:15	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 14:15	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 14:15	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 14:15	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 14:15	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 14:15	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 14:15	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 14:15	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 14:15	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 14:15	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 14:15	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 14:15	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 14:15	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 14:15	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 14:15	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 14:15	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 14:15	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 14:15	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 14:15	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 14:15	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 14:15	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 14:15	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 14:15	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 14:15	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 14:15	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 14:15	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 14:15	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 14:15	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 14:15	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 14:15	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 14:15	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 14:15	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 14:15	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 14:15	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 14:15	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 14:15	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 14:15	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*85 - 113*		*08/20/11 14:15*	*1*

Client Sample ID: MWB-17(S)c
Date Collected: 08/16/11 12:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*82 - 114*		*08/20/11 14:15*	*1*
Toluene-d8 (Surr)	*95*		*92 - 107*		*08/20/11 14:15*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 21:44	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 21:44	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*115*		*56 - 144*	*08/25/11 10:16*	*08/25/11 21:44*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**140**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:18	1
Sodium	**5.2**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:18	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:58	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:58	5
Barium	**3.4**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:58	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:58	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:58	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:58	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:58	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:58	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:58	5
Nickel	**1.6**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:58	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:58	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:58	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:58	5
Vanadium	**3.1**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:58	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:58	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.9**		1.0	0.036	mg/L			08/27/11 23:36	1
Ammonia	**0.40**		0.020	0.0043	mg/L			08/21/11 19:50	1
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 13:59	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**150**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 12:10	1
Field pH	**5.4**				SU			08/16/11 12:10	1
Oxygen, Dissolved	**1.8**				mg/L			08/16/11 12:10	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(S)c
Date Collected: 08/16/11 12:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-6
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 12:10	1
Specific Conductance	124				umhos/cm			08/16/11 12:10	1
Temperature	28.2				Degrees C			08/16/11 12:10	1
Turbidity	1.99				NTU			08/16/11 12:10	1
Ground Water Elevation	129.93				ft			08/16/11 12:10	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(I)c
Date Collected: 08/16/11 13:01
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.0	I	25	3.0	ug/L			08/20/11 14:36	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 14:36	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 14:36	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 14:36	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 14:36	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 14:36	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 14:36	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 14:36	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 14:36	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 14:36	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 14:36	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 14:36	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 14:36	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 14:36	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 14:36	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 14:36	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 14:36	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 14:36	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 14:36	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 14:36	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 14:36	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 14:36	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 14:36	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 14:36	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 14:36	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 14:36	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 14:36	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 14:36	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 14:36	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 14:36	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 14:36	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 14:36	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 14:36	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 14:36	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 14:36	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 14:36	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 14:36	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 14:36	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 14:36	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 14:36	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 14:36	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 14:36	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 14:36	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 14:36	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 14:36	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 14:36	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 14:36	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/20/11 14:36*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(I)c
Date Collected: 08/16/11 13:01
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*97*		*82 - 114*		*08/20/11 14:36*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/20/11 14:36*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 21:59	1
EDB	0.0060	U	0.019	0.0060	ug/L		08/25/11 10:16	08/25/11 21:59	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*115*		*56 - 144*	*08/25/11 10:16*	*08/25/11 21:59*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**310**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:21	1
Sodium	**3.2**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:21	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:05	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 22:05	5
Barium	**35**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:05	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:05	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:05	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:05	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:05	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:05	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:05	5
Nickel	**1.7**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:05	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:05	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:05	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:05	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:05	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 22:05	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.7**		1.0	0.036	mg/L			08/27/11 23:53	1
Ammonia	**0.028**		0.020	0.0043	mg/L			08/21/11 19:52	1
Nitrate Nitrite as N	**0.0086**	**I**	0.010	0.0047	mg/L			08/18/11 14:00	1
Nitrate as N	**0.0086**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**31**	**Q**	5.0	2.3	mg/L			10/03/11 14:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 13:00	1
Field pH	**4.69**				SU			08/16/11 13:00	1
Oxygen, Dissolved	**0.0**				mg/L			08/16/11 13:00	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(I)c
Date Collected: 08/16/11 13:01
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-7
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 13:00	1
Specific Conductance	28				umhos/cm			08/16/11 13:00	1
Temperature	26.9				Degrees C			08/16/11 13:00	1
Turbidity	0.54				NTU			08/16/11 13:00	1
Ground Water Elevation	133.25				ft			08/16/11 13:00	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(D)c
Date Collected: 08/16/11 13:35
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.3	I	25	3.0	ug/L			08/20/11 14:58	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 14:58	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 14:58	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 14:58	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 14:58	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 14:58	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 14:58	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 14:58	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 14:58	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 14:58	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 14:58	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 14:58	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 14:58	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 14:58	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 14:58	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 14:58	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 14:58	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 14:58	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 14:58	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 14:58	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 14:58	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 14:58	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 14:58	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 14:58	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 14:58	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 14:58	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 14:58	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 14:58	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 14:58	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 14:58	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 14:58	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 14:58	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 14:58	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 14:58	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 14:58	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 14:58	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 14:58	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 14:58	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 14:58	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 14:58	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 14:58	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 14:58	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 14:58	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 14:58	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 14:58	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 14:58	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 14:58	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/20/11 14:58*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(D)c
Date Collected: 08/16/11 13:35
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*100*		*82 - 114*		*08/20/11 14:58*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/20/11 14:58*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 22:14	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 22:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*122*		*56 - 144*	*08/25/11 10:16*	*08/25/11 22:14*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**340**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:25	1
Sodium	**3.4**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:25	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:11	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 22:11	5
Barium	**34**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:11	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:11	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:11	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:11	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:11	5
Copper	**12**		2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:11	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:11	5
Nickel	**1.2**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:11	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:11	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:11	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:11	5
Vanadium	**2.6**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:11	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 22:11	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.9**		1.0	0.036	mg/L			08/28/11 00:10	1
Ammonia	**0.040**		0.020	0.0043	mg/L			08/21/11 20:31	1
Nitrate Nitrite as N	**0.011**		0.010	0.0047	mg/L			08/18/11 14:01	1
Nitrate as N	**0.011**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**61**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 13:34	1
Field pH	**5.22**				SU			08/16/11 13:34	1
Oxygen, Dissolved	**0.0**				mg/L			08/16/11 13:34	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(D)c
Date Collected: 08/16/11 13:35
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-8
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 13:34	1
Specific Conductance	49				umhos/cm			08/16/11 13:34	1
Temperature	25.2				Degrees C			08/16/11 13:34	1
Turbidity	0.83				NTU			08/16/11 13:34	1
Ground Water Elevation	129.73				ft			08/16/11 13:34	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-11(S)c
Date Collected: 08/16/11 07:53
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.5	I	25	3.0	ug/L			08/20/11 15:19	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 15:19	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 15:19	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 15:19	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 15:19	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 15:19	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 15:19	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 15:19	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 15:19	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 15:19	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 15:19	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 15:19	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 15:19	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 15:19	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 15:19	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 15:19	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 15:19	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 15:19	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 15:19	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 15:19	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 15:19	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 15:19	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 15:19	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 15:19	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 15:19	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 15:19	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 15:19	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 15:19	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 15:19	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 15:19	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 15:19	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 15:19	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 15:19	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 15:19	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 15:19	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 15:19	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 15:19	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 15:19	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 15:19	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 15:19	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 15:19	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 15:19	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 15:19	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 15:19	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 15:19	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 15:19	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 15:19	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/20/11 15:19*	*1*

Client Sample ID: MWB-11(S)c
Date Collected: 08/16/11 07:53
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*82 - 114*		*08/20/11 15:19*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/20/11 15:19*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 22:28	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 22:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*122*		*56 - 144*	*08/25/11 10:16*	*08/25/11 22:28*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1500**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:28	1
Sodium	**10**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:28	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:17	5
Arsenic	**0.80**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 22:17	5
Barium	**79**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:17	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:17	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:17	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:17	5
Cobalt	**0.86**	**I**	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:17	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:17	5
Lead	**0.17**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:17	5
Nickel	**1.8**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:17	5
Selenium	**0.47**	**I**	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:17	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:17	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:17	5
Vanadium	**3.6**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:17	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 22:17	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:51	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		1.0	0.036	mg/L			08/28/11 03:13	1
Ammonia	**0.18**		0.020	0.0043	mg/L			08/21/11 19:55	1
Nitrate Nitrite as N	**0.024**		0.010	0.0047	mg/L			08/18/11 14:03	1
Nitrate as N	**0.024**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**91**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 07:52	1
Field pH	**3.76**				SU			08/16/11 07:52	1
Oxygen, Dissolved	**0.2**				mg/L			08/16/11 07:52	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-11(S)c
Date Collected: 08/16/11 07:53
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-9
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 07:52	1
Specific Conductance	146				umhos/cm			08/16/11 07:52	1
Temperature	23.6				Degrees C			08/16/11 07:52	1
Turbidity	3.09				NTU			08/16/11 07:52	1
Ground Water Elevation	107.66				ft			08/16/11 07:52	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-11(1)(R)c
Date Collected: 08/16/11 08:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.6	I	25	3.0	ug/L			08/20/11 15:41	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 15:41	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 15:41	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 15:41	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 15:41	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 15:41	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 15:41	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 15:41	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 15:41	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 15:41	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 15:41	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 15:41	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 15:41	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 15:41	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 15:41	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 15:41	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 15:41	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 15:41	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 15:41	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 15:41	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 15:41	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 15:41	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 15:41	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 15:41	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 15:41	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 15:41	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 15:41	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 15:41	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 15:41	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 15:41	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 15:41	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 15:41	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 15:41	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 15:41	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 15:41	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 15:41	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 15:41	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 15:41	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 15:41	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 15:41	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 15:41	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 15:41	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 15:41	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 15:41	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 15:41	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 15:41	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 15:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/20/11 15:41*	*1*

Client Sample ID: MWB-11(1)(R)c
Date Collected: 08/16/11 08:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*82 - 114*		*08/20/11 15:41*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 15:41*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 22:43	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 22:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*120*		*56 - 144*	*08/25/11 10:16*	*08/25/11 22:43*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**450**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:32	1
Sodium	**3.3**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:32	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:36	5
Arsenic	**0.90**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 22:36	5
Barium	**44**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:36	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:36	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:36	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:36	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:36	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:36	5
Lead	**0.41**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:36	5
Nickel	**0.90**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:36	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:36	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:36	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:36	5
Vanadium	**4.0**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:36	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 22:36	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:53	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.4**		1.0	0.036	mg/L			08/28/11 04:03	1
Ammonia	**0.039**		0.020	0.0043	mg/L			08/21/11 19:56	1
Nitrate Nitrite as N	**0.0062**	**I**	0.010	0.0047	mg/L			08/18/11 14:04	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**40**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 08:33	1
Field pH	**4.69**				SU			08/16/11 08:33	1
Oxygen, Dissolved	**0.5**				mg/L			08/16/11 08:33	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-11(1)(R)c
Date Collected: 08/16/11 08:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-10
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 08:33	1
Specific Conductance	35				umhos/cm			08/16/11 08:33	1
Temperature	24.4				Degrees C			08/16/11 08:33	1
Turbidity	2.79				NTU			08/16/11 08:33	1
Ground Water Elevation	107.87				ft			08/16/11 08:33	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(S)c
Date Collected: 08/16/11 08:59
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.6	I	25	3.0	ug/L			08/20/11 16:02	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 16:02	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 16:02	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 16:02	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 16:02	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 16:02	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 16:02	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 16:02	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 16:02	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 16:02	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 16:02	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 16:02	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 16:02	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 16:02	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 16:02	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 16:02	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 16:02	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 16:02	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 16:02	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 16:02	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 16:02	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 16:02	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 16:02	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 16:02	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 16:02	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 16:02	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 16:02	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 16:02	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 16:02	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 16:02	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 16:02	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 16:02	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 16:02	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 16:02	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 16:02	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 16:02	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 16:02	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 16:02	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 16:02	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 16:02	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 16:02	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 16:02	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 16:02	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 16:02	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 16:02	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 16:02	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 16:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*85 - 113*		*08/20/11 16:02*	*1*

Client Sample ID: MWB-7(S)c
Date Collected: 08/16/11 08:59
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/20/11 16:02*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/20/11 16:02*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 22:58	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 22:58	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*111*		*56 - 144*	*08/25/11 10:16*	*08/25/11 22:58*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**260**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:36	1
Sodium	**13**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:36	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:42	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/23/11 20:59	5
Barium	**14**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:42	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:42	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:42	5
Chromium	**0.68**	**I**	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:42	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:42	5
Copper	**16**		2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:42	5
Lead	**0.57**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:42	5
Nickel	**2.7**	**V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:42	5
Selenium	**0.46**	**I**	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:42	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:42	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:42	5
Vanadium	**4.7**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:42	5
Zinc	**14**	**I**	20	14	ug/L		08/19/11 11:00	08/19/11 22:42	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:55	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		1.0	0.036	mg/L			08/28/11 04:20	1
Ammonia	**0.62**		0.020	0.0043	mg/L			08/21/11 20:07	1
Nitrate Nitrite as N	**0.010**		0.010	0.0047	mg/L			08/18/11 14:15	1
Nitrate as N	**0.010**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**130**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Brown Tint**				PCU			08/16/11 08:58	1
Field pH	**4.62**				SU			08/16/11 08:58	1
Oxygen, Dissolved	**0.2**				mg/L			08/16/11 08:58	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(S)c
Date Collected: 08/16/11 08:59
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-11
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 08:58	1
Specific Conductance	144				umhos/cm			08/16/11 08:58	1
Temperature	27.8				Degrees C			08/16/11 08:58	1
Turbidity	14.87				NTU			08/16/11 08:58	1
Ground Water Elevation	113.26				ft			08/16/11 08:58	1

Client Sample ID: MWB-32(S)d
Date Collected: 08/16/11 15:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.3	I	25	3.0	ug/L			08/20/11 16:24	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 16:24	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 16:24	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 16:24	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 16:24	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 16:24	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 16:24	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 16:24	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 16:24	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 16:24	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 16:24	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 16:24	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 16:24	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 16:24	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 16:24	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 16:24	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 16:24	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 16:24	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 16:24	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 16:24	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 16:24	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 16:24	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 16:24	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 16:24	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 16:24	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 16:24	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 16:24	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 16:24	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 16:24	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 16:24	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 16:24	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 16:24	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 16:24	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 16:24	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 16:24	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 16:24	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 16:24	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 16:24	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 16:24	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 16:24	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 16:24	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 16:24	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 16:24	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 16:24	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 16:24	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 16:24	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 16:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*85 - 113*		*08/20/11 16:24*	*1*

Client Sample ID: MWB-32(S)d
Date Collected: 08/16/11 15:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/20/11 16:24*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/20/11 16:24*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 23:13	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 23:13	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*116*		*56 - 144*	*08/25/11 10:16*	*08/25/11 23:13*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**780**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:39	1
Sodium	**22**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:39	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:49	5
Arsenic	**0.95**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 22:49	5
Barium	**30**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:49	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:49	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:49	5
Chromium	**1.0**	**I**	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:49	5
Cobalt	**0.44**	**I**	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:49	5
Copper	**7.7**		2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:49	5
Lead	**0.49**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:49	5
Nickel	**2.4**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:49	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:49	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:49	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:49	5
Vanadium	**4.2**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:49	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 22:49	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39**		5.0	0.18	mg/L			08/28/11 04:36	5
Ammonia	**0.59**		0.020	0.0043	mg/L			08/21/11 20:06	1
Nitrate Nitrite as N	**0.014**		0.010	0.0047	mg/L			08/18/11 14:16	1
Nitrate as N	**0.014**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**210**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Lt Brown**				PCU			08/16/11 15:11	1
Field pH	**5.21**				SU			08/16/11 15:11	1
Oxygen, Dissolved	**0.4**				mg/L			08/16/11 15:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-32(S)d
Date Collected: 08/16/11 15:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-12
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 15:11	1
Specific Conductance	253				umhos/cm			08/16/11 15:11	1
Temperature	25.6				Degrees C			08/16/11 15:11	1
Turbidity	9.65				NTU			08/16/11 15:11	1
Ground Water Elevation	116.34				ft			08/16/11 15:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-32(I)d
Date Collected: 08/16/11 14:07
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 16:45	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 16:45	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 16:45	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 16:45	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 16:45	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 16:45	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 16:45	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 16:45	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 16:45	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 16:45	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 16:45	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 16:45	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 16:45	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 16:45	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 16:45	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 16:45	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 16:45	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 16:45	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 16:45	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 16:45	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 16:45	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 16:45	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 16:45	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 16:45	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 16:45	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 16:45	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 16:45	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 16:45	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 16:45	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 16:45	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 16:45	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 16:45	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 16:45	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 16:45	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 16:45	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 16:45	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 16:45	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 16:45	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 16:45	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 16:45	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 16:45	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 16:45	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 16:45	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 16:45	1
Vinyl acetate	0.30	U J	2.0	0.30	ug/L			08/20/11 16:45	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 16:45	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 16:45	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*85 - 113*		*08/20/11 16:45*	*1*

Client Sample ID: MWB-32(I)d
Date Collected: 08/16/11 14:07
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*82 - 114*		*08/20/11 16:45*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/20/11 16:45*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 23:27	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 23:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*124*		*56 - 144*	*08/25/11 10:16*	*08/25/11 23:27*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**400**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:43	1
Sodium	**3.1**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:43	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 22:56	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 22:56	5
Barium	**38**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 22:56	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 22:56	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 22:56	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 22:56	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 22:56	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 22:56	5
Lead	**1.4**		1.3	0.17	ug/L		08/19/11 11:00	08/19/11 22:56	5
Nickel	**1.3**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 22:56	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 22:56	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 22:56	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 22:56	5
Vanadium	**2.5**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 22:56	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 22:56	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**	**J**	1.0	0.036	mg/L			08/30/11 21:32	1
Ammonia	**0.028**		0.020	0.0043	mg/L			08/21/11 20:01	1
Nitrate Nitrite as N	**0.0072**	**I**	0.010	0.0047	mg/L			08/18/11 14:17	1
Nitrate as N	**0.0072**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**50**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Whitish Tint**				PCU			08/16/11 14:06	1
Field pH	**5.31**				SU			08/16/11 14:06	1
Oxygen, Dissolved	**0.3**				mg/L			08/16/11 14:06	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-32(I)d
Date Collected: 08/16/11 14:07
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-13
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 14:06	1
Specific Conductance	41				umhos/cm			08/16/11 14:06	1
Temperature	22.1				Degrees C			08/16/11 14:06	1
Turbidity	43.73				NTU			08/16/11 14:06	1
Ground Water Elevation	117.78				ft			08/16/11 14:06	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-32(D)d
Date Collected: 08/16/11 14:40
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 22:24	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 22:24	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 22:24	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 22:24	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 22:24	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 22:24	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 22:24	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 22:24	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 22:24	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 22:24	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 22:24	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 22:24	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 22:24	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 22:24	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 22:24	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 22:24	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 22:24	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 22:24	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 22:24	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 22:24	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 22:24	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 22:24	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 22:24	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 22:24	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 22:24	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 22:24	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 22:24	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 22:24	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 22:24	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 22:24	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 22:24	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 22:24	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 22:24	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 22:24	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 22:24	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 22:24	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 22:24	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 22:24	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 22:24	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 22:24	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 22:24	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 22:24	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 22:24	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 22:24	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 22:24	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 22:24	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 22:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/20/11 22:24*	*1*

Client Sample ID: MWB-32(D)d
Date Collected: 08/16/11 14:40
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/20/11 22:24*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/20/11 22:24*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 23:42	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 23:42	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*112*		*56 - 144*	*08/25/11 10:16*	*08/25/11 23:42*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**680**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 17:57	1
Sodium	**4.3**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 17:57	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:02	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 23:02	5
Barium	**51**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:02	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:02	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:02	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:02	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:02	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:02	5
Lead	**0.57**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:02	5
Nickel	**1.1**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:02	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:02	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:02	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:02	5
Vanadium	**2.2**	**I**	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:02	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 23:02	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:01	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.2**	**J**	1.0	0.036	mg/L			08/31/11 00:19	1
Ammonia	**0.11**		0.020	0.0043	mg/L			08/21/11 20:17	1
Nitrate Nitrite as N	**0.011**		0.010	0.0047	mg/L			08/18/11 14:21	1
Nitrate as N	**0.011**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**130**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 14:39	1
Field pH	**6.05**				SU			08/16/11 14:39	1
Oxygen, Dissolved	**0.3**				mg/L			08/16/11 14:39	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-32(D)d
Date Collected: 08/16/11 14:40
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-14
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 14:39	1
Specific Conductance	126				umhos/cm			08/16/11 14:39	1
Temperature	22.5				Degrees C			08/16/11 14:39	1
Turbidity	5.13				NTU			08/16/11 14:39	1
Ground Water Elevation	117.57				ft			08/16/11 14:39	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-34(S)d
Date Collected: 08/16/11 13:23
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 22:45	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 22:45	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 22:45	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 22:45	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 22:45	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 22:45	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 22:45	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 22:45	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 22:45	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 22:45	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 22:45	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 22:45	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 22:45	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 22:45	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 22:45	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 22:45	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 22:45	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 22:45	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 22:45	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 22:45	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 22:45	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 22:45	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 22:45	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 22:45	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 22:45	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 22:45	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 22:45	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 22:45	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 22:45	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 22:45	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 22:45	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 22:45	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 22:45	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 22:45	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 22:45	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 22:45	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 22:45	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 22:45	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 22:45	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 22:45	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 22:45	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 22:45	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 22:45	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 22:45	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 22:45	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 22:45	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 22:45	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/20/11 22:45*	*1*

Client Sample ID: MWB-34(S)d
Date Collected: 08/16/11 13:23
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*82 - 114*		*08/20/11 22:45*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 22:45*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/25/11 23:57	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/25/11 23:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*122*		*56 - 144*	*08/25/11 10:16*	*08/25/11 23:57*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**200**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 18:01	1
Sodium	**58**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 18:01	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:09	5
Arsenic	**1.0**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/23/11 21:05	5
Barium	**3.1**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:09	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:09	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:09	5
Chromium	**0.95**	**I**	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:09	5
Cobalt	**0.49**	**I**	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:09	5
Copper	**4.3**		2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:09	5
Lead	**0.37**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:09	5
Nickel	**5.7**	**V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:09	5
Selenium	**0.86**	**I**	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:09	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:09	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:09	5
Vanadium	**15**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:09	5
Zinc	**49**		20	14	ug/L		08/19/11 11:00	08/19/11 23:09	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**	**J**	15	0.54	mg/L			08/31/11 00:36	15
Ammonia	**1.1**		0.020	0.0043	mg/L			08/21/11 20:19	1
Nitrate Nitrite as N	**0.35**		0.010	0.0047	mg/L			08/18/11 14:23	1
Nitrate as N	**0.35**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**470**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**SI Yellow**				PCU			08/16/11 13:22	1
Field pH	**5.96**				SU			08/16/11 13:22	1
Oxygen, Dissolved	**0.4**				mg/L			08/16/11 13:22	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-34(S)d
Date Collected: 08/16/11 13:23
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-15
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 13:22	1
Specific Conductance	858				umhos/cm			08/16/11 13:22	1
Temperature	26.2				Degrees C			08/16/11 13:22	1
Turbidity	3.56				NTU			08/16/11 13:22	1
Ground Water Elevation	116.2				ft			08/16/11 13:22	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-34(I)d
Date Collected: 08/16/11 12:51
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 23:07	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 23:07	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 23:07	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 23:07	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 23:07	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 23:07	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 23:07	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 23:07	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 23:07	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 23:07	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 23:07	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 23:07	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 23:07	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 23:07	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 23:07	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 23:07	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 23:07	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 23:07	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 23:07	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 23:07	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 23:07	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 23:07	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 23:07	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 23:07	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 23:07	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 23:07	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 23:07	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 23:07	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 23:07	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 23:07	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 23:07	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 23:07	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 23:07	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 23:07	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 23:07	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 23:07	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 23:07	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 23:07	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 23:07	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 23:07	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 23:07	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 23:07	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 23:07	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 23:07	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 23:07	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 23:07	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 23:07	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/20/11 23:07*	*1*

Client Sample ID: MWB-34(I)d
Date Collected: 08/16/11 12:51
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/20/11 23:07*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 23:07*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/26/11 00:41	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/26/11 00:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*116*		*56 - 144*	*08/25/11 10:16*	*08/26/11 00:41*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**460**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 18:05	1
Sodium	**3.5**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 18:05	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:15	5
Arsenic	**0.73**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 23:15	5
Barium	**51**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:15	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:15	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:15	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:15	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:15	5
Copper	**1.9**	**I**	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:15	5
Lead	**0.30**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:15	5
Nickel	**1.0**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:15	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:15	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:15	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:15	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:15	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 23:15	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.7**		1.0	0.036	mg/L			09/06/11 18:30	1
Ammonia	**0.052**		0.020	0.0043	mg/L			08/21/11 20:20	1
Nitrate Nitrite as N	**0.0088**	**I**	0.010	0.0047	mg/L			08/18/11 14:24	1
Nitrate as N	**0.0088**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**47**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 12:50	1
Field pH	**5.08**				SU			08/16/11 12:50	1
Oxygen, Dissolved	**0.3**				mg/L			08/16/11 12:50	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-34(l)d
Date Collected: 08/16/11 12:51
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-16
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 12:50	1
Specific Conductance	42				umhos/cm			08/16/11 12:50	1
Temperature	25.5				Degrees C			08/16/11 12:50	1
Turbidity	5.35				NTU			08/16/11 12:50	1
Ground Water Elevation	117.14				ft			08/16/11 12:50	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-34(D)d
Date Collected: 08/16/11 12:19
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-17
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	I	25	3.0	ug/L			08/20/11 23:28	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 23:28	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 23:28	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 23:28	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 23:28	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 23:28	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 23:28	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 23:28	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 23:28	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 23:28	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 23:28	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 23:28	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 23:28	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 23:28	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 23:28	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 23:28	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 23:28	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 23:28	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 23:28	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 23:28	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 23:28	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 23:28	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 23:28	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 23:28	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 23:28	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 23:28	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 23:28	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 23:28	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 23:28	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 23:28	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 23:28	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 23:28	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 23:28	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 23:28	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 23:28	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 23:28	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 23:28	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 23:28	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 23:28	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 23:28	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 23:28	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 23:28	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 23:28	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 23:28	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 23:28	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 23:28	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 23:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*85 - 113*		*08/20/11 23:28*	*1*

Client Sample ID: MWB-34(D)d
Date Collected: 08/16/11 12:19
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-17
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/20/11 23:28*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/20/11 23:28*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/26/11 00:56	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/26/11 00:56	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*122*		*56 - 144*	*08/25/11 10:16*	*08/26/11 00:56*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**490**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 18:08	1
Sodium	**6.1**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 18:08	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:21	5
Arsenic	**0.67**	**I**	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 23:21	5
Barium	**110**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:21	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:21	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:21	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:21	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:21	5
Copper	**2.4**	**I**	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:21	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:21	5
Nickel	**0.82**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:21	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:21	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:21	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:21	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:21	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 23:21	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.6**	**J**	1.0	0.036	mg/L			08/31/11 01:09	1
Ammonia	**0.20**		0.020	0.0043	mg/L			08/21/11 20:22	1
Nitrate Nitrite as N	**0.0052**	**I**	0.010	0.0047	mg/L			08/18/11 14:25	1
Nitrate as N	**0.0052**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**240**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 12:18	1
Field pH	**6.91**				SU			08/16/11 12:18	1
Oxygen, Dissolved	**0.2**				mg/L			08/16/11 12:18	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-34(D)d
Date Collected: 08/16/11 12:19
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-17
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 12:18	1
Specific Conductance	419				umhos/cm			08/16/11 12:18	1
Temperature	25.0				Degrees C			08/16/11 12:18	1
Turbidity	2.49				NTU			08/16/11 12:18	1
Ground Water Elevation	117.07				ft			08/16/11 12:18	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-33(S)d
Date Collected: 08/16/11 11:43
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-18
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 23:50	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 23:50	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 23:50	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 23:50	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 23:50	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 23:50	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 23:50	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 23:50	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 23:50	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 23:50	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 23:50	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 23:50	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 23:50	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 23:50	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 23:50	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 23:50	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 23:50	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 23:50	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 23:50	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 23:50	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 23:50	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 23:50	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 23:50	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 23:50	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 23:50	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 23:50	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 23:50	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 23:50	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 23:50	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 23:50	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 23:50	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 23:50	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 23:50	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 23:50	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 23:50	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 23:50	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 23:50	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 23:50	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 23:50	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 23:50	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 23:50	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 23:50	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 23:50	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 23:50	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 23:50	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 23:50	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 23:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*85 - 113*		*08/20/11 23:50*	*1*

Client Sample ID: MWB-33(S)d
Date Collected: 08/16/11 11:43
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-18
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*82 - 114*		*08/20/11 23:50*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/20/11 23:50*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0058	U	0.019	0.0058	ug/L		08/25/11 10:16	08/26/11 01:10	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/26/11 01:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*119*		*56 - 144*	*08/25/11 10:16*	*08/26/11 01:10*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**340**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 18:12	1
Sodium	**5.9**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 18:12	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:28	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/23/11 21:11	5
Barium	**18**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:28	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:28	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:28	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:28	5
Cobalt	**0.28**	**I**	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:28	5
Copper	**50**		2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:28	5
Lead	**0.19**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:28	5
Nickel	**45**	**V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:28	5
Selenium	**2.4**		1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:28	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:28	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:28	5
Vanadium	**11**		2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:28	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 23:28	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**	**J**	1.0	0.036	mg/L			08/31/11 01:26	1
Ammonia	**0.82**		0.020	0.0043	mg/L			08/21/11 20:23	1
Nitrate Nitrite as N	**0.23**		0.010	0.0047	mg/L			08/18/11 14:27	1
Nitrate as N	**0.23**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**140**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 11:42	1
Field pH	**5.35**				SU			08/16/11 11:42	1
Oxygen, Dissolved	**0.7**				mg/L			08/16/11 11:42	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-33(S)d
Date Collected: 08/16/11 11:43
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-18
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 11:42	1
Specific Conductance	170				umhos/cm			08/16/11 11:42	1
Temperature	26.7				Degrees C			08/16/11 11:42	1
Turbidity	7.38				NTU			08/16/11 11:42	1
Ground Water Elevation	115.76				ft			08/16/11 11:42	1

Client Sample ID: MWB-29(S)c
Date Collected: 08/16/11 11:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 00:11	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 00:11	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 00:11	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 00:11	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 00:11	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 00:11	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 00:11	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 00:11	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 00:11	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 00:11	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 00:11	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 00:11	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 00:11	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 00:11	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 00:11	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 00:11	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 00:11	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 00:11	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 00:11	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 00:11	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 00:11	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 00:11	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 00:11	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 00:11	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 00:11	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 00:11	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 00:11	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 00:11	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 00:11	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 00:11	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 00:11	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 00:11	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 00:11	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 00:11	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 00:11	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 00:11	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 00:11	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 00:11	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 00:11	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 00:11	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 00:11	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 00:11	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 00:11	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 00:11	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 00:11	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 00:11	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 00:11	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/21/11 00:11*	*1*

Client Sample ID: MWB-29(S)c
Date Collected: 08/16/11 11:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*82 - 114*		*08/21/11 00:11*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/21/11 00:11*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:16	08/26/11 01:25	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:16	08/26/11 01:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*115*		*56 - 144*	*08/25/11 10:16*	*08/26/11 01:25*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**290**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 18:16	1
Sodium	**6.0**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 18:16	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:34	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 23:34	5
Barium	**9.4**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:34	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:34	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:34	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:34	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:34	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:34	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:34	5
Nickel	**0.71**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:34	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:34	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:34	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:34	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:34	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 23:34	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**	**J**	1.0	0.036	mg/L			08/31/11 01:43	1
Ammonia	**0.16**		0.020	0.0043	mg/L			08/21/11 20:28	1
Nitrate Nitrite as N	**0.0082**	**I**	0.010	0.0047	mg/L			08/18/11 14:35	1
Nitrate as N	**0.0082**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**44**	**V**	5.0	2.3	mg/L			08/23/11 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 11:11	1
Field pH	**4.51**				SU			08/16/11 11:11	1
Oxygen, Dissolved	**0.6**				mg/L			08/16/11 11:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-29(S)c
Date Collected: 08/16/11 11:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-19
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 11:11	1
Specific Conductance	54				umhos/cm			08/16/11 11:11	1
Temperature	27.3				Degrees C			08/16/11 11:11	1
Turbidity	3.98				NTU			08/16/11 11:11	1
Ground Water Elevation	130.66				ft			08/16/11 11:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-29(I)c
Date Collected: 08/16/11 10:42
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.9	I	25	3.0	ug/L			08/21/11 00:33	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 00:33	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 00:33	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 00:33	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 00:33	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 00:33	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 00:33	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 00:33	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 00:33	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 00:33	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 00:33	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 00:33	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 00:33	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 00:33	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 00:33	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 00:33	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 00:33	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 00:33	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 00:33	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 00:33	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 00:33	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 00:33	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 00:33	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 00:33	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 00:33	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 00:33	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 00:33	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 00:33	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 00:33	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 00:33	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 00:33	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 00:33	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 00:33	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 00:33	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 00:33	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 00:33	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 00:33	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 00:33	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 00:33	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 00:33	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 00:33	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 00:33	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 00:33	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 00:33	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 00:33	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 00:33	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 00:33	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/21/11 00:33*	*1*

Client Sample ID: MWB-29(I)c
Date Collected: 08/16/11 10:42
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*82 - 114*		*08/21/11 00:33*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/21/11 00:33*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0058	U	0.019	0.0058	ug/L		08/25/11 10:16	08/26/11 01:39	1
EDB	0.0062	U	0.019	0.0062	ug/L		08/25/11 10:16	08/26/11 01:39	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*121*		*56 - 144*	*08/25/11 10:16*	*08/26/11 01:39*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**400**	**V**	50	2.7	ug/L		08/19/11 12:25	08/22/11 18:19	1
Sodium	**3.3**		1.0	0.71	mg/L		08/19/11 12:25	08/22/11 18:19	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 23:53	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 23:53	5
Barium	**44**		2.5	0.42	ug/L		08/19/11 11:00	08/19/11 23:53	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 23:53	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 23:53	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 23:53	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 23:53	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 23:53	5
Lead	**0.74**	**I**	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 23:53	5
Nickel	**1.6**	**I V**	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 23:53	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 23:53	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 23:53	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 23:53	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 23:53	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/23/11 21:17	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 14:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.4**	**J**	1.0	0.036	mg/L			08/31/11 01:59	1
Ammonia	**0.030**		0.020	0.0043	mg/L			08/21/11 20:30	1
Nitrate Nitrite as N	**0.0086**	**I**	0.010	0.0047	mg/L			08/18/11 14:40	1
Nitrate as N	**0.0086**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**24**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Sl Tan**				PCU			08/16/11 10:41	1
Field pH	**4.9**				SU			08/16/11 10:41	1
Oxygen, Dissolved	**0.4**				mg/L			08/16/11 10:41	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-29(I)c
Date Collected: 08/16/11 10:42
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-20
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 10:41	1
Specific Conductance	36				umhos/cm			08/16/11 10:41	1
Temperature	23.8				Degrees C			08/16/11 10:41	1
Turbidity	14.28				NTU			08/16/11 10:41	1
Ground Water Elevation	133.4				ft			08/16/11 10:41	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-29(D)c
Date Collected: 08/16/11 10:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-21
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 00:54	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 00:54	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 00:54	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 00:54	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 00:54	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 00:54	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 00:54	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 00:54	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 00:54	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 00:54	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 00:54	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 00:54	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 00:54	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 00:54	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 00:54	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 00:54	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 00:54	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 00:54	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 00:54	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 00:54	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 00:54	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 00:54	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 00:54	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 00:54	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 00:54	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 00:54	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 00:54	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 00:54	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 00:54	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 00:54	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 00:54	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 00:54	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 00:54	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 00:54	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 00:54	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 00:54	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 00:54	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 00:54	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 00:54	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 00:54	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 00:54	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 00:54	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 00:54	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 00:54	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 00:54	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 00:54	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 00:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*85 - 113*		*08/21/11 00:54*	*1*

Client Sample ID: MWB-29(D)c
Date Collected: 08/16/11 10:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-21
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/21/11 00:54*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/21/11 00:54*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0058	U	0.019	0.0058	ug/L		08/25/11 10:56	08/26/11 03:22	1
EDB	0.0062	U	0.019	0.0062	ug/L		08/25/11 10:56	08/26/11 03:22	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*116*		*56 - 144*	*08/25/11 10:56*	*08/26/11 03:22*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**720**		50	2.7	ug/L		08/22/11 08:40	08/22/11 18:55	1
Sodium	**3.9**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 18:55	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:02	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:02	5
Barium	**56**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:02	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:02	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:02	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:02	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:02	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:02	5
Lead	**0.25**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:02	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:24	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:02	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:02	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:02	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:02	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:02	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.2**	**J**	1.0	0.036	mg/L			08/31/11 03:56	1
Ammonia	**0.085**		0.020	0.0043	mg/L			08/22/11 13:43	1
Nitrate Nitrite as N	**0.013**		0.010	0.0047	mg/L			08/18/11 14:47	1
Nitrate as N	**0.013**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**44**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 10:10	1
Field pH	**5.35**				SU			08/16/11 10:10	1
Oxygen, Dissolved	**0.3**				mg/L			08/16/11 10:10	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-29(D)c
Date Collected: 08/16/11 10:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-21
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 10:10	1
Specific Conductance	63				umhos/cm			08/16/11 10:10	1
Temperature	23.8				Degrees C			08/16/11 10:10	1
Turbidity	2.68				NTU			08/16/11 10:10	1
Ground Water Elevation	133.36				ft			08/16/11 10:10	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(S)c
Date Collected: 08/16/11 09:37
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-22
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.2	I	25	3.0	ug/L			08/21/11 01:16	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 01:16	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 01:16	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 01:16	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 01:16	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 01:16	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 01:16	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 01:16	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 01:16	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 01:16	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 01:16	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 01:16	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 01:16	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 01:16	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 01:16	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 01:16	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 01:16	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 01:16	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 01:16	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 01:16	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 01:16	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 01:16	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 01:16	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 01:16	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 01:16	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 01:16	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 01:16	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 01:16	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 01:16	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 01:16	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 01:16	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 01:16	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 01:16	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 01:16	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 01:16	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 01:16	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 01:16	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 01:16	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 01:16	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 01:16	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 01:16	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 01:16	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 01:16	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 01:16	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 01:16	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 01:16	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 01:16	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*85 - 113*		*08/21/11 01:16*	*1*

Client Sample ID: MWB-27(S)c
Date Collected: 08/16/11 09:37
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-22
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*82 - 114*		*08/21/11 01:16*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/21/11 01:16*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 03:36	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 03:36	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*99*		*56 - 144*	*08/25/11 10:56*	*08/26/11 03:36*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**390**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:13	1
Sodium	**30**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:13	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:08	5
Arsenic	**1.3**		1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:08	5
Barium	**37**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:08	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:08	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:08	5
Chromium	**0.74**	**I**	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:08	5
Cobalt	**0.34**	**I**	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:08	5
Copper	**2.2**	**I**	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:08	5
Lead	**0.25**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:08	5
Nickel	**1.8**	**I V**	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:30	5
Selenium	**0.35**	**I**	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:08	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:08	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:08	5
Vanadium	**5.3**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:08	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:08	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58**	**J**	2.0	0.072	mg/L			08/31/11 04:13	2
Ammonia	**0.56**		0.020	0.0043	mg/L			08/22/11 13:51	1
Nitrate Nitrite as N	**0.020**		0.010	0.0047	mg/L			08/18/11 14:48	1
Nitrate as N	**0.020**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**170**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 09:36	1
Field pH	**4.5**				SU			08/16/11 09:36	1
Oxygen, Dissolved	**0.5**				mg/L			08/16/11 09:36	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-27(S)c
Date Collected: 08/16/11 09:37
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-22
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 09:36	1
Specific Conductance	327				umhos/cm			08/16/11 09:36	1
Temperature	25.2				Degrees C			08/16/11 09:36	1
Turbidity	3.71				NTU			08/16/11 09:36	1
Ground Water Elevation	122.07				ft			08/16/11 09:36	1

Client Sample ID: MWB-7(D)c
Date Collected: 08/16/11 09:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-23
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 01:37	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 01:37	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 01:37	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 01:37	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 01:37	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 01:37	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 01:37	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 01:37	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 01:37	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 01:37	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 01:37	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 01:37	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 01:37	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 01:37	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 01:37	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 01:37	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 01:37	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 01:37	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 01:37	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 01:37	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 01:37	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 01:37	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 01:37	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 01:37	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 01:37	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 01:37	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 01:37	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 01:37	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 01:37	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 01:37	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 01:37	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 01:37	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 01:37	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 01:37	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 01:37	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 01:37	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 01:37	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 01:37	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 01:37	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 01:37	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 01:37	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 01:37	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 01:37	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 01:37	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 01:37	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 01:37	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 01:37	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/21/11 01:37*	*1*

Client Sample ID: MWB-7(D)c
Date Collected: 08/16/11 09:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-23
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*82 - 114*		*08/21/11 01:37*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/21/11 01:37*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 03:51	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 03:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*116*		*56 - 144*	*08/25/11 10:56*	*08/26/11 03:51*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**320**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:16	1
Sodium	**4.6**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:16	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:14	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:14	5
Barium	**89**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:14	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:14	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:14	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:14	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:14	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:14	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:14	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:36	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:14	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:14	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:14	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:14	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:14	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**	**J**	1.0	0.036	mg/L			08/31/11 04:29	1
Ammonia	**0.15**		0.020	0.0043	mg/L			08/22/11 13:52	1
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 14:49	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**200**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 09:33	1
Field pH	**7.26**				SU			08/16/11 09:33	1
Oxygen, Dissolved	**0.0**				mg/L			08/16/11 09:33	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(D)c
Date Collected: 08/16/11 09:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-23
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 09:33	1
Specific Conductance	313				umhos/cm			08/16/11 09:33	1
Temperature	25.5				Degrees C			08/16/11 09:33	1
Turbidity	0.59				NTU			08/16/11 09:33	1
Ground Water Elevation	118.7				ft			08/16/11 09:33	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup01
Date Collected: 08/16/11 09:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-24
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 01:59	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 01:59	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 01:59	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 01:59	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 01:59	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 01:59	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 01:59	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 01:59	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 01:59	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 01:59	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 01:59	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 01:59	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 01:59	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 01:59	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 01:59	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 01:59	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 01:59	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 01:59	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 01:59	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 01:59	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 01:59	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 01:59	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 01:59	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 01:59	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 01:59	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 01:59	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 01:59	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 01:59	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 01:59	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 01:59	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 01:59	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 01:59	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 01:59	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 01:59	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 01:59	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 01:59	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 01:59	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 01:59	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 01:59	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 01:59	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 01:59	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 01:59	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 01:59	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 01:59	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 01:59	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 01:59	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 01:59	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/21/11 01:59*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup01
Date Collected: 08/16/11 09:34
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-24
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/21/11 01:59*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/21/11 01:59*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 04:05	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 04:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*110*		*56 - 144*	*08/25/11 10:56*	*08/26/11 04:05*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**240**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:31	1
Sodium	**4.5**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:31	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:21	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:21	5
Barium	**87**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:21	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:21	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:21	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:21	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:21	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:21	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:21	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 01:21	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:21	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:21	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:21	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:21	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:21	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.5**	**J**	1.0	0.036	mg/L			08/31/11 04:46	1
Ammonia	**0.14**		0.020	0.0043	mg/L			08/22/11 13:54	1
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 14:57	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**210**		5.0	2.3	mg/L			08/23/11 20:45	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(1)c
Date Collected: 08/16/11 10:06
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-25
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 02:20	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 02:20	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 02:20	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 02:20	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 02:20	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 02:20	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 02:20	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 02:20	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 02:20	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 02:20	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 02:20	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 02:20	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 02:20	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 02:20	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 02:20	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 02:20	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 02:20	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 02:20	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 02:20	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 02:20	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 02:20	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 02:20	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 02:20	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 02:20	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 02:20	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 02:20	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 02:20	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 02:20	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 02:20	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 02:20	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 02:20	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 02:20	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 02:20	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 02:20	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 02:20	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 02:20	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 02:20	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 02:20	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 02:20	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 02:20	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 02:20	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 02:20	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 02:20	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 02:20	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 02:20	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 02:20	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 02:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/21/11 02:20*	*1*

Client Sample ID: MWB-7(1)c
Date Collected: 08/16/11 10:06
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-25
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*82 - 114*		*08/21/11 02:20*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/21/11 02:20*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 04:20	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 04:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*118*		*56 - 144*	*08/25/11 10:56*	*08/26/11 04:20*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**400**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:34	1
Sodium	**3.2**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:34	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:27	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:27	5
Barium	**54**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:27	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:27	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:27	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:27	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:27	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:27	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:27	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 01:27	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:27	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:27	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:27	5
Vanadium	**2.4**	**I**	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:27	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:27	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:40	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**		1.0	0.036	mg/L			09/06/11 19:20	1
Ammonia	**0.032**		0.020	0.0043	mg/L			08/22/11 14:03	1
Nitrate Nitrite as N	**0.0078**	**I**	0.010	0.0047	mg/L			08/18/11 14:59	1
Nitrate as N	**0.0078**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**51**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 10:05	1
Field pH	**4.94**				SU			08/16/11 10:05	1
Oxygen, Dissolved	**0.0**				mg/L			08/16/11 10:05	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(1)c
Date Collected: 08/16/11 10:06
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-25
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 10:05	1
Specific Conductance	39				umhos/cm			08/16/11 10:05	1
Temperature	27.3				Degrees C			08/16/11 10:05	1
Turbidity	0.45				NTU			08/16/11 10:05	1
Ground Water Elevation	116.53				ft			08/16/11 10:05	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-19(S)c
Date Collected: 08/16/11 10:40
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-26
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 02:42	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 02:42	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 02:42	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 02:42	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 02:42	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 02:42	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 02:42	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 02:42	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 02:42	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 02:42	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 02:42	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 02:42	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 02:42	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 02:42	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 02:42	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 02:42	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 02:42	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 02:42	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 02:42	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 02:42	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 02:42	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 02:42	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 02:42	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 02:42	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 02:42	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 02:42	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 02:42	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 02:42	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 02:42	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 02:42	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 02:42	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 02:42	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 02:42	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 02:42	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 02:42	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 02:42	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 02:42	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 02:42	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 02:42	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 02:42	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 02:42	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 02:42	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 02:42	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 02:42	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 02:42	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 02:42	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 02:42	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/21/11 02:42*	*1*

Client Sample ID: MWB-19(S)c
Date Collected: 08/16/11 10:40
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-26
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/21/11 02:42*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/21/11 02:42*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0056	U	0.019	0.0056	ug/L		08/25/11 10:56	08/26/11 04:35	1
EDB	0.0060	U	0.019	0.0060	ug/L		08/25/11 10:56	08/26/11 04:35	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*109*		*56 - 144*	*08/25/11 10:56*	*08/26/11 04:35*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2100**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:38	1
Sodium	**9.4**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:38	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:33	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:33	5
Barium	**110**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:33	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:33	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:33	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:33	5
Cobalt	**0.64**	**I**	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:33	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:33	5
Lead	**0.26**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:33	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:42	5
Selenium	**0.38**	**I**	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:33	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:33	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:33	5
Vanadium	**3.4**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:33	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:33	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		1.0	0.036	mg/L			09/06/11 20:43	1
Ammonia	**0.42**		0.020	0.0043	mg/L			08/22/11 14:05	1
Nitrate Nitrite as N	**0.020**		0.010	0.0047	mg/L			08/18/11 15:00	1
Nitrate as N	**0.020**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**80**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.08**				SU			08/16/11 10:39	1
Oxygen, Dissolved	**0.2**				mg/L			08/16/11 10:39	1
Sheen	**None**				NONE			08/16/11 10:39	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-19(S)c
Date Collected: 08/16/11 10:40
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-26
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	121				umhos/cm			08/16/11 10:39	1
Temperature	27.4				Degrees C			08/16/11 10:39	1
Turbidity	2.47				NTU			08/16/11 10:39	1
Ground Water Elevation	117.98				ft			08/16/11 10:39	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-19(I)c
Date Collected: 08/16/11 11:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-27
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	I	25	3.0	ug/L			08/21/11 03:03	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 03:03	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 03:03	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 03:03	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 03:03	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 03:03	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 03:03	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 03:03	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 03:03	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 03:03	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 03:03	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 03:03	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 03:03	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 03:03	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 03:03	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 03:03	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 03:03	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 03:03	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 03:03	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 03:03	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 03:03	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 03:03	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 03:03	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 03:03	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 03:03	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 03:03	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 03:03	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 03:03	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 03:03	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 03:03	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 03:03	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 03:03	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 03:03	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 03:03	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 03:03	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 03:03	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 03:03	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 03:03	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 03:03	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 03:03	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 03:03	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 03:03	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 03:03	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 03:03	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 03:03	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 03:03	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 03:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*85 - 113*		*08/21/11 03:03*	*1*

Client Sample ID: MWB-19(I)c
Date Collected: 08/16/11 11:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-27
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/21/11 03:03*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/21/11 03:03*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 04:49	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 04:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*127*		*56 - 144*	*08/25/11 10:56*	*08/26/11 04:49*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**510**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:42	1
Sodium	**3.3**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:42	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:39	5
Arsenic	**0.80**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:39	5
Barium	**58**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:39	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:39	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:39	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:39	5
Cobalt	**0.58**	**I**	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:39	5
Copper	**2.0**	**I**	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:39	5
Lead	**0.72**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:39	5
Nickel	**0.88**	**I V**	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:49	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:39	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:39	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:39	5
Vanadium	**2.7**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:39	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:39	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.5**		1.0	0.036	mg/L			09/06/11 21:00	1
Ammonia	**0.031**		0.020	0.0043	mg/L			08/22/11 14:06	1
Nitrate Nitrite as N	**0.0077**	**I**	0.010	0.0047	mg/L			08/18/11 15:01	1
Nitrate as N	**0.0077**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**34**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 11:11	1
Field pH	**4.79**				SU			08/16/11 11:11	1
Oxygen, Dissolved	**0.3**				mg/L			08/16/11 11:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-19(I)c
Date Collected: 08/16/11 11:12
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-27
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 11:11	1
Specific Conductance	32				umhos/cm			08/16/11 11:11	1
Temperature	26.6				Degrees C			08/16/11 11:11	1
Turbidity	1.01				NTU			08/16/11 11:11	1
Ground Water Elevation	119.32				ft			08/16/11 11:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-19(D)c
Date Collected: 08/16/11 11:44
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-28
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	I	25	3.0	ug/L			08/21/11 03:25	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 03:25	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 03:25	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 03:25	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 03:25	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 03:25	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 03:25	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 03:25	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 03:25	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 03:25	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 03:25	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 03:25	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 03:25	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 03:25	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 03:25	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 03:25	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 03:25	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 03:25	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 03:25	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 03:25	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 03:25	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 03:25	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 03:25	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 03:25	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 03:25	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 03:25	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 03:25	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 03:25	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 03:25	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 03:25	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 03:25	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 03:25	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 03:25	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 03:25	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 03:25	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 03:25	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 03:25	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 03:25	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 03:25	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 03:25	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 03:25	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 03:25	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 03:25	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 03:25	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 03:25	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 03:25	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 03:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*85 - 113*		*08/21/11 03:25*	*1*

Client Sample ID: MWB-19(D)c
Date Collected: 08/16/11 11:44
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-28
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*82 - 114*		*08/21/11 03:25*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/21/11 03:25*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 05:04	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 05:04	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*109*		*56 - 144*	*08/25/11 10:56*	*08/26/11 05:04*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1800**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:45	1
Sodium	**4.5**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:45	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:46	5
Arsenic	**1.0**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:46	5
Barium	**110**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:46	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:46	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:46	5
Chromium	**1.2**	**I**	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:46	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:46	5
Copper	**3.0**		2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:46	5
Lead	**0.58**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:46	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:55	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:46	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:46	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:46	5
Vanadium	**3.4**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:46	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:46	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.7**		1.0	0.036	mg/L			09/06/11 21:16	1
Ammonia	**0.097**		0.020	0.0043	mg/L			08/22/11 14:08	1
Nitrate Nitrite as N	**0.0096**	**I**	0.010	0.0047	mg/L			08/18/11 15:03	1
Nitrate as N	**0.0096**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**210**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 11:43	1
Field pH	**7.13**				SU			08/16/11 11:43	1
Oxygen, Dissolved	**0.1**				mg/L			08/16/11 11:43	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-19(D)c
Date Collected: 08/16/11 11:44
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-28
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 11:43	1
Specific Conductance	330				umhos/cm			08/16/11 11:43	1
Temperature	29.1				Degrees C			08/16/11 11:43	1
Turbidity	2.22				NTU			08/16/11 11:43	1
Ground Water Elevation	119.68				ft			08/16/11 11:43	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-3(I)b
Date Collected: 08/16/11 14:30
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-29
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 03:46	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 03:46	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 03:46	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 03:46	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 03:46	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 03:46	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 03:46	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 03:46	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 03:46	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 03:46	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 03:46	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 03:46	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 03:46	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 03:46	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 03:46	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 03:46	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 03:46	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 03:46	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 03:46	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 03:46	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 03:46	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 03:46	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 03:46	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 03:46	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 03:46	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 03:46	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 03:46	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 03:46	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 03:46	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 03:46	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 03:46	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 03:46	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 03:46	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 03:46	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 03:46	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 03:46	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 03:46	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 03:46	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 03:46	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 03:46	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 03:46	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 03:46	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 03:46	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 03:46	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 03:46	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 03:46	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 03:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/21/11 03:46*	*1*

Client Sample ID: MWB-3(I)b
Date Collected: 08/16/11 14:30
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-29
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*82 - 114*		*08/21/11 03:46*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/21/11 03:46*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 05:18	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 05:18	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*126*		*56 - 144*	*08/25/11 10:56*	*08/26/11 05:18*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**750**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:49	1
Sodium	**3.5**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:49	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 01:52	5
Arsenic	**0.88**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 01:52	5
Barium	**27**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 01:52	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 01:52	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 01:52	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 01:52	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 01:52	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 01:52	5
Lead	**0.27**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 01:52	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 01:52	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 01:52	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 01:52	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 01:52	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 01:52	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 01:52	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.4**		1.0	0.036	mg/L			09/06/11 21:33	1
Ammonia	**0.011**	**I**	0.020	0.0043	mg/L			08/22/11 14:10	1
Nitrate Nitrite as N	**0.97**		0.010	0.0047	mg/L			08/18/11 15:07	1
Nitrate as N	**0.97**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**27**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 14:29	1
Field pH	**4.47**				SU			08/16/11 14:29	1
Oxygen, Dissolved	**0.2**				mg/L			08/16/11 14:29	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-3(I)b
Date Collected: 08/16/11 14:30
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-29
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 14:29	1
Specific Conductance	35				umhos/cm			08/16/11 14:29	1
Temperature	22.9				Degrees C			08/16/11 14:29	1
Turbidity	1.72				NTU			08/16/11 14:29	1
Ground Water Elevation	136.51				ft			08/16/11 14:29	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-3(S)b
Date Collected: 08/16/11 15:00
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-30
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 04:08	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 04:08	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 04:08	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 04:08	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 04:08	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 04:08	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 04:08	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 04:08	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 04:08	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 04:08	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 04:08	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 04:08	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 04:08	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 04:08	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 04:08	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 04:08	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 04:08	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 04:08	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 04:08	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 04:08	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 04:08	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 04:08	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 04:08	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 04:08	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 04:08	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 04:08	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 04:08	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 04:08	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 04:08	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 04:08	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 04:08	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 04:08	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 04:08	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 04:08	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 04:08	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 04:08	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 04:08	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 04:08	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 04:08	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 04:08	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 04:08	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 04:08	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 04:08	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 04:08	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 04:08	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 04:08	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 04:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/21/11 04:08*	*1*

Client Sample ID: MWB-3(S)b
Date Collected: 08/16/11 15:00
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-30
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*82 - 114*		*08/21/11 04:08*	*1*
Toluene-d8 (Surr)	*95*		*92 - 107*		*08/21/11 04:08*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 05:33	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 05:33	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*106*		*56 - 144*	*08/25/11 10:56*	*08/26/11 05:33*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1900**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:52	1
Sodium	**4.4**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:52	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:11	5
Arsenic	**0.77**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:11	5
Barium	**17**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:11	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:11	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:11	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:11	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:11	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:11	5
Lead	**0.66**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:11	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 02:11	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:11	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:11	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:11	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:11	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:11	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.3**		1.0	0.036	mg/L			09/06/11 21:50	1
Ammonia	**0.019**	**I**	0.020	0.0043	mg/L			08/22/11 14:14	1
Nitrate Nitrite as N	**0.015**		0.010	0.0047	mg/L			08/18/11 15:08	1
Nitrate as N	**0.015**		0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**34**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 14:59	1
Field pH	**4.24**				SU			08/16/11 14:59	1
Oxygen, Dissolved	**0.1**				mg/L			08/16/11 14:59	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-3(S)b
Date Collected: 08/16/11 15:00
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-30
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 14:59	1
Specific Conductance	58				umhos/cm			08/16/11 14:59	1
Temperature	24.7				Degrees C			08/16/11 14:59	1
Turbidity	4.77				NTU			08/16/11 14:59	1
Ground Water Elevation	141.73				ft			08/16/11 14:59	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-31(D)b
Date Collected: 08/16/11 15:49
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-31
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/21/11 04:29	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/21/11 04:29	1
Benzene	0.28	U	1.0	0.28	ug/L			08/21/11 04:29	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/21/11 04:29	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/21/11 04:29	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/21/11 04:29	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/21/11 04:29	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/21/11 04:29	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/21/11 04:29	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/21/11 04:29	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/21/11 04:29	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/21/11 04:29	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/21/11 04:29	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/21/11 04:29	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/21/11 04:29	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/21/11 04:29	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/21/11 04:29	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/21/11 04:29	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/21/11 04:29	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/21/11 04:29	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/21/11 04:29	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/21/11 04:29	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/21/11 04:29	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/21/11 04:29	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/21/11 04:29	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/21/11 04:29	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/21/11 04:29	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/21/11 04:29	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/21/11 04:29	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/21/11 04:29	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/21/11 04:29	1
Styrene	0.22	U	1.0	0.22	ug/L			08/21/11 04:29	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/21/11 04:29	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/21/11 04:29	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/21/11 04:29	1
Toluene	0.24	U	1.0	0.24	ug/L			08/21/11 04:29	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/21/11 04:29	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/21/11 04:29	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/21/11 04:29	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/21/11 04:29	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/21/11 04:29	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/21/11 04:29	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/21/11 04:29	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/21/11 04:29	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/21/11 04:29	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/21/11 04:29	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/21/11 04:29	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*85 - 113*		*08/21/11 04:29*	*1*

Client Sample ID: MWB-31(D)b
Date Collected: 08/16/11 15:49
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-31
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*82 - 114*		*08/21/11 04:29*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/21/11 04:29*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 08:57	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 08:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*122*		*56 - 144*	*08/25/11 10:56*	*08/26/11 08:57*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**770**		50	2.7	ug/L		08/22/11 08:40	08/22/11 19:56	1
Sodium	**5.8**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 19:56	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:17	5
Arsenic	**0.99**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:17	5
Barium	**96**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:17	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:17	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:17	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:17	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:17	5
Copper	**1.9**	**I**	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:17	5
Lead	**0.48**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:17	5
Nickel	**2.3**	**I V**	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 15:01	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:17	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:17	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:17	5
Vanadium	**2.2**	**I**	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:17	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:17	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.5**		1.0	0.036	mg/L			09/06/11 22:06	1
Ammonia	**0.18**		0.020	0.0043	mg/L			08/22/11 14:16	1
Nitrate Nitrite as N	**0.0091**	**I**	0.010	0.0047	mg/L			08/18/11 15:12	1
Nitrate as N	**0.0091**	**I**	0.010	0.0047	mg/L			08/18/11 15:35	1
Total Dissolved Solids	**210**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/16/11 15:47	1
Field pH	**6.88**				SU			08/16/11 15:47	1
Oxygen, Dissolved	**1.9**				mg/L			08/16/11 15:47	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-31(D)b
Date Collected: 08/16/11 15:49
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-31
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/16/11 15:47	1
Specific Conductance	336				umhos/cm			08/16/11 15:47	1
Temperature	25.0				Degrees C			08/16/11 15:47	1
Turbidity	0.72				NTU			08/16/11 15:47	1
Ground Water Elevation	137.0				ft			08/16/11 15:47	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Field Blank 01
Date Collected: 08/16/11 16:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-32
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	I	25	3.0	ug/L			08/20/11 22:02	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 22:02	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 22:02	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 22:02	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 22:02	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 22:02	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 22:02	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 22:02	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 22:02	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 22:02	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 22:02	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 22:02	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 22:02	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 22:02	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 22:02	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 22:02	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 22:02	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 22:02	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 22:02	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 22:02	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 22:02	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 22:02	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 22:02	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 22:02	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 22:02	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 22:02	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 22:02	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 22:02	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 22:02	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 22:02	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 22:02	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 22:02	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 22:02	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 22:02	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 22:02	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 22:02	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 22:02	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 22:02	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 22:02	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 22:02	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 22:02	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 22:02	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 22:02	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 22:02	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 22:02	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 22:02	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 22:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/20/11 22:02*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Field Blank 01
Date Collected: 08/16/11 16:11
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-32
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*95*		*82 - 114*		*08/20/11 22:02*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/20/11 22:02*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 09:11	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 09:11	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*119*		*56 - 144*	*08/25/11 10:56*	*08/26/11 09:11*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.7	U	50	2.7	ug/L		08/22/11 08:40	08/22/11 20:00	1
Sodium	0.71	U	1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:00	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:23	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:23	5
Barium	0.42	U	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:23	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:23	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:23	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:23	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:23	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:23	5
Lead	**1.7**		1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:23	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 02:23	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:23	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:23	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:23	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:23	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:23	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:58	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			09/06/11 22:23	1
Ammonia	0.0043	U	0.020	0.0043	mg/L			08/22/11 14:21	1
Nitrate Nitrite as N	**0.013**		0.010	0.0047	mg/L			08/24/11 12:00	1
Nitrate as N	**0.013**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**5.0**		5.0	2.3	mg/L			08/23/11 20:45	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 01
Date Collected: 08/16/11 00:00
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-33
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 21:41	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 21:41	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 21:41	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 21:41	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 21:41	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 21:41	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 21:41	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 21:41	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 21:41	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 21:41	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 21:41	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 21:41	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 21:41	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 21:41	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 21:41	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 21:41	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 21:41	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 21:41	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 21:41	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 21:41	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 21:41	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 21:41	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 21:41	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 21:41	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 21:41	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 21:41	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 21:41	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 21:41	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 21:41	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 21:41	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 21:41	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 21:41	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 21:41	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 21:41	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 21:41	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 21:41	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 21:41	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 21:41	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 21:41	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 21:41	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 21:41	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 21:41	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 21:41	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 21:41	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 21:41	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 21:41	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 21:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*85 - 113*		*08/20/11 21:41*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 01
Date Collected: 08/16/11 00:00
Date Received: 08/17/11 14:40

Lab Sample ID: 640-34882-33
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	96		82 - 114		08/20/11 21:41	1
Toluene-d8 (Surr)	97		92 - 107		08/20/11 21:41	1

Client Sample ID: MWB-12(D)c
Date Collected: 08/17/11 08:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 12:38	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 12:38	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 12:38	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 12:38	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 12:38	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 12:38	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 12:38	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 12:38	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 12:38	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 12:38	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 12:38	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 12:38	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 12:38	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 12:38	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 12:38	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 12:38	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 12:38	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 12:38	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 12:38	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 12:38	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 12:38	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 12:38	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 12:38	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 12:38	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 12:38	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 12:38	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 12:38	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 12:38	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 12:38	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 12:38	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 12:38	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 12:38	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 12:38	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 12:38	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 12:38	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 12:38	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 12:38	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 12:38	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 12:38	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 12:38	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 12:38	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 12:38	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 12:38	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 12:38	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 12:38	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 12:38	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 12:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/23/11 12:38*	*1*

Client Sample ID: MWB-12(D)c
Date Collected: 08/17/11 08:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*99*		*82 - 114*		*08/23/11 12:38*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/23/11 12:38*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	**0.013**	**I**	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 12:24	1
EDB	**0.013**	**I**	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 12:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*118*		*56 - 144*	*08/25/11 11:02*	*08/26/11 12:24*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**910**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:03	1
Sodium	**5.6**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:03	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:29	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:29	5
Barium	**130**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:29	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:29	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:29	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:29	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:29	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:29	5
Lead	**0.42**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:29	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 02:29	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:29	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:29	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:29	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:29	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:29	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.4**		1.0	0.036	mg/L			09/06/11 22:40	1
Ammonia	**0.18**		0.020	0.0043	mg/L			08/21/11 18:20	1
Nitrate Nitrite as N	**0.0096**	**I**	0.010	0.0047	mg/L			08/24/11 11:05	1
Nitrate as N	**0.0096**	**I**	0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**210**	**Q**	5.0	2.3	mg/L			08/29/11 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/17/11 07:59	1
Field pH	**6.9**				SU			08/17/11 07:59	1
Oxygen, Dissolved	**0.2**				mg/L			08/17/11 07:59	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-12(D)c
Date Collected: 08/17/11 08:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-1
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 07:59	1
Specific Conductance	358				umhos/cm			08/17/11 07:59	1
Temperature	25.3				Degrees C			08/17/11 07:59	1
Turbidity	2.08				NTU			08/17/11 07:59	1
Ground Water Elevation	118.8				ft			08/17/11 07:59	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup04
Date Collected: 08/17/11 08:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 13:00	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 13:00	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 13:00	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 13:00	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:00	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 13:00	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 13:00	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 13:00	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 13:00	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 13:00	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 13:00	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 13:00	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 13:00	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:00	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 13:00	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 13:00	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 13:00	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:00	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 13:00	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 13:00	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 13:00	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 13:00	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:00	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 13:00	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 13:00	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 13:00	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 13:00	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 13:00	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 13:00	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 13:00	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 13:00	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 13:00	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 13:00	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:00	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 13:00	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 13:00	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 13:00	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 13:00	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 13:00	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 13:00	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 13:00	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 13:00	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:00	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 13:00	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 13:00	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 13:00	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 13:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/23/11 13:00*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup04
Date Collected: 08/17/11 08:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*82 - 114*		*08/23/11 13:00*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/23/11 13:00*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 12:38	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 12:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*107*		*56 - 144*	*08/25/11 11:02*	*08/26/11 12:38*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**920**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:18	1
Sodium	**6.0**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:18	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:36	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:36	5
Barium	**130**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:36	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:36	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:36	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:36	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:36	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:36	5
Lead	**0.22**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:36	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 02:36	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:36	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:36	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:36	5
Vanadium	**2.6**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:36	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:36	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.4**		1.0	0.036	mg/L			09/06/11 22:56	1
Ammonia	**0.20**		0.020	0.0043	mg/L			08/21/11 18:32	1
Nitrate Nitrite as N	**0.011**		0.010	0.0047	mg/L			08/24/11 11:12	1
Nitrate as N	**0.011**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**200**	**Q**	5.0	2.3	mg/L			08/29/11 14:59	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-12(1)c
Date Collected: 08/17/11 08:42
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 13:22	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 13:22	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 13:22	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 13:22	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:22	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 13:22	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 13:22	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 13:22	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 13:22	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 13:22	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 13:22	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 13:22	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 13:22	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:22	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 13:22	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 13:22	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 13:22	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:22	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 13:22	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 13:22	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 13:22	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 13:22	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:22	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 13:22	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 13:22	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 13:22	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 13:22	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 13:22	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 13:22	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 13:22	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 13:22	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 13:22	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 13:22	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:22	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 13:22	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 13:22	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 13:22	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 13:22	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 13:22	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 13:22	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 13:22	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 13:22	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:22	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 13:22	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 13:22	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 13:22	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 13:22	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*85 - 113*		*08/23/11 13:22*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-12(1)c
Date Collected: 08/17/11 08:42
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*99*		*82 - 114*		*08/23/11 13:22*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/23/11 13:22*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0056	U	0.019	0.0056	ug/L		08/25/11 11:02	08/26/11 12:53	1
EDB	0.0060	U	0.019	0.0060	ug/L		08/25/11 11:02	08/26/11 12:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*125*		*56 - 144*	*08/25/11 11:02*	*08/26/11 12:53*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**340**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:21	1
Sodium	**3.0**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:21	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:42	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:42	5
Barium	**53**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:42	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:42	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:42	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:42	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:42	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:42	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:42	5
Nickel	0.70	U J	2.5	0.70	ug/L		08/19/11 12:55	08/20/11 02:42	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:42	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:42	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:42	5
Vanadium	**2.5**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:42	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:42	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.5**		1.0	0.036	mg/L			09/07/11 00:53	1
Ammonia	**0.040**		0.020	0.0043	mg/L			08/21/11 18:34	1
Nitrate Nitrite as N	**0.021**		0.010	0.0047	mg/L			08/24/11 11:13	1
Nitrate as N	**0.021**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**29**	**Q**	5.0	2.3	mg/L			08/29/11 14:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/17/11 08:41	1
Field pH	**4.95**				SU			08/17/11 08:41	1
Oxygen, Dissolved	**0.5**				mg/L			08/17/11 08:41	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-12(1)c
Date Collected: 08/17/11 08:42
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-3
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 08:41	1
Specific Conductance	38				umhos/cm			08/17/11 08:41	1
Temperature	25.6				Degrees C			08/17/11 08:41	1
Turbidity	1.3				NTU			08/17/11 08:41	1
Ground Water Elevation	117.52				ft			08/17/11 08:41	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-12(S)c
Date Collected: 08/17/11 09:12
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.9	I	25	3.0	ug/L			08/23/11 13:43	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 13:43	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 13:43	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 13:43	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:43	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 13:43	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 13:43	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 13:43	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 13:43	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 13:43	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 13:43	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 13:43	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 13:43	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:43	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 13:43	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 13:43	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 13:43	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:43	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 13:43	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 13:43	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 13:43	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 13:43	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 13:43	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 13:43	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 13:43	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 13:43	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 13:43	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 13:43	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 13:43	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 13:43	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 13:43	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 13:43	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 13:43	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 13:43	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 13:43	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 13:43	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 13:43	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 13:43	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 13:43	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 13:43	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 13:43	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 13:43	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 13:43	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 13:43	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 13:43	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 13:43	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 13:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*85 - 113*		*08/23/11 13:43*	*1*

Client Sample ID: MWB-12(S)c
Date Collected: 08/17/11 09:12
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/23/11 13:43*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/23/11 13:43*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 13:08	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 13:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*116*		*56 - 144*	*08/25/11 11:02*	*08/26/11 13:08*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**110**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:25	1
Sodium	**3.9**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:25	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:48	5
Arsenic	**1.6**		1.3	0.66	ug/L		08/19/11 12:55	08/20/11 02:48	5
Barium	**6.0**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:48	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:48	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:48	5
Chromium	**1.8**	**I**	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:48	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:48	5
Copper	**3.3**		2.5	1.9	ug/L		08/19/11 12:55	08/20/11 02:48	5
Lead	**0.92**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:48	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/23/11 22:38	5
Selenium	**2.5**		1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:48	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:48	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:48	5
Vanadium	**14**		2.5	2.2	ug/L		08/19/11 12:55	08/23/11 22:38	5
Zinc	**15**	**I**	20	14	ug/L		08/19/11 12:55	08/20/11 02:48	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.1**		1.0	0.036	mg/L			09/07/11 01:10	1
Ammonia	**0.14**		0.020	0.0043	mg/L			08/21/11 18:36	1
Nitrate Nitrite as N	**0.010**		0.010	0.0047	mg/L			08/24/11 11:14	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**88**	**Q**	5.0	2.3	mg/L			08/29/11 14:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Brown Tint**				PCU			08/17/11 09:11	1
Field pH	**5.33**				SU			08/17/11 09:11	1
Oxygen, Dissolved	**0.6**				mg/L			08/17/11 09:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-12(S)c
Date Collected: 08/17/11 09:12
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-4
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 09:11	1
Specific Conductance	128				umhos/cm			08/17/11 09:11	1
Temperature	25.3				Degrees C			08/17/11 09:11	1
Turbidity	15.08				NTU			08/17/11 09:11	1
Ground Water Elevation	113.78				ft			08/17/11 09:11	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-13(S)c
Date Collected: 08/17/11 10:05
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.2	I	25	3.0	ug/L			08/23/11 14:05	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 14:05	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 14:05	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 14:05	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 14:05	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 14:05	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 14:05	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 14:05	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 14:05	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 14:05	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 14:05	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 14:05	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 14:05	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 14:05	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 14:05	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 14:05	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 14:05	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 14:05	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 14:05	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 14:05	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 14:05	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 14:05	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 14:05	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 14:05	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 14:05	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 14:05	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 14:05	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 14:05	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 14:05	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 14:05	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 14:05	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 14:05	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 14:05	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 14:05	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 14:05	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 14:05	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 14:05	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 14:05	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 14:05	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 14:05	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 14:05	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 14:05	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 14:05	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 14:05	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 14:05	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 14:05	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 14:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/23/11 14:05*	*1*

Client Sample ID: MWB-13(S)c
Date Collected: 08/17/11 10:05
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*98*		*82 - 114*		*08/23/11 14:05*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/23/11 14:05*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 13:23	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 13:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*129*		*56 - 144*	*08/25/11 11:02*	*08/26/11 13:23*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**360**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:29	1
Sodium	**40**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:29	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 02:55	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/23/11 22:44	5
Barium	**13**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 02:55	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 02:55	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 02:55	5
Chromium	**5.3**		2.5	0.63	ug/L		08/19/11 12:55	08/20/11 02:55	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 02:55	5
Copper	**2.8**		2.5	1.9	ug/L		08/19/11 12:55	08/23/11 22:44	5
Lead	**1.5**		1.3	0.17	ug/L		08/19/11 12:55	08/20/11 02:55	5
Nickel	**2.0**	**I V**	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 15:07	5
Selenium	**8.2**		1.3	0.33	ug/L		08/19/11 12:55	08/20/11 02:55	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 02:55	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 02:55	5
Vanadium	**57**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 02:55	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 02:55	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61**		5.0	0.18	mg/L			09/07/11 01:26	5
Ammonia	**0.030**		0.020	0.0043	mg/L			08/21/11 18:40	1
Nitrate Nitrite as N	**0.28**		0.010	0.0047	mg/L			08/24/11 11:22	1
Nitrate as N	**0.28**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**260**	**Q**	5.0	2.3	mg/L			08/29/11 14:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Brown Tint**				PCU			08/17/11 10:04	1
Field pH	**5.61**				SU			08/17/11 10:04	1
Oxygen, Dissolved	**0.6**				mg/L			08/17/11 10:04	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-13(S)c
Date Collected: 08/17/11 10:05
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-5
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 10:04	1
Specific Conductance	379				umhos/cm			08/17/11 10:04	1
Temperature	26.7				Degrees C			08/17/11 10:04	1
Turbidity	10.41				NTU			08/17/11 10:04	1
Ground Water Elevation	111.95				ft			08/17/11 10:04	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-13(I)c
Date Collected: 08/17/11 11:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 14:27	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 14:27	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 14:27	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 14:27	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 14:27	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 14:27	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 14:27	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 14:27	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 14:27	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 14:27	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 14:27	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 14:27	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 14:27	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 14:27	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 14:27	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 14:27	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 14:27	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 14:27	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 14:27	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 14:27	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 14:27	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 14:27	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 14:27	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 14:27	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 14:27	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 14:27	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 14:27	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 14:27	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 14:27	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 14:27	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 14:27	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 14:27	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 14:27	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 14:27	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 14:27	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 14:27	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 14:27	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 14:27	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 14:27	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 14:27	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 14:27	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 14:27	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 14:27	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 14:27	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 14:27	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 14:27	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 14:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*85 - 113*		*08/23/11 14:27*	*1*

Client Sample ID: MWB-13(I)c
Date Collected: 08/17/11 11:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*82 - 114*		*08/23/11 14:27*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/23/11 14:27*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 13:38	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 13:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*112*		*56 - 144*	*08/25/11 11:02*	*08/26/11 13:38*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**390**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:32	1
Sodium	**3.1**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:32	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 03:01	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 03:01	5
Barium	**35**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 03:01	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 03:01	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 03:01	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 03:01	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 03:01	5
Copper	**2.5**		2.5	1.9	ug/L		08/19/11 12:55	08/23/11 23:03	5
Lead	**0.40**	**I**	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 03:01	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 15:14	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 03:01	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 03:01	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 03:01	5
Vanadium	**3.3**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 03:01	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 03:01	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**		1.0	0.036	mg/L			09/07/11 01:43	1
Ammonia	**0.042**		0.020	0.0043	mg/L			08/21/11 18:42	1
Nitrate Nitrite as N	**0.012**		0.010	0.0047	mg/L			08/24/11 11:24	1
Nitrate as N	**0.012**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**31**	**Q**	5.0	2.3	mg/L			08/29/11 17:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/17/11 10:59	1
Field pH	**4.78**				SU			08/17/11 10:59	1
Oxygen, Dissolved	**0.4**				mg/L			08/17/11 10:59	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-13(I)c
Date Collected: 08/17/11 11:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-6
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 10:59	1
Specific Conductance	35				umhos/cm			08/17/11 10:59	1
Temperature	25.1				Degrees C			08/17/11 10:59	1
Turbidity	4.65				NTU			08/17/11 10:59	1
Ground Water Elevation	108.84				ft			08/17/11 10:59	1

Client Sample ID: MWB-2(S)b
Date Collected: 08/17/11 10:02
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 14:48	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 14:48	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 14:48	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 14:48	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 14:48	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 14:48	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 14:48	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 14:48	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 14:48	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 14:48	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 14:48	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 14:48	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 14:48	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 14:48	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 14:48	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 14:48	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 14:48	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 14:48	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 14:48	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 14:48	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 14:48	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 14:48	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 14:48	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 14:48	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 14:48	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 14:48	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 14:48	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 14:48	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 14:48	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 14:48	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 14:48	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 14:48	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 14:48	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 14:48	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 14:48	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 14:48	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 14:48	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 14:48	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 14:48	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 14:48	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 14:48	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 14:48	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 14:48	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 14:48	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 14:48	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 14:48	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 14:48	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/23/11 14:48*	*1*

Client Sample ID: MWB-2(S)b
Date Collected: 08/17/11 10:02
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/23/11 14:48*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/23/11 14:48*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 18:18	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 18:18	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*96*		*56 - 144*	*08/25/11 11:02*	*08/26/11 18:18*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**540**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:36	1
Sodium	**3.9**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:36	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 03:07	5
Arsenic	**1.1**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 03:07	5
Barium	**13**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 03:07	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 03:07	5
Cadmium	**1.1**	**I**	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 03:07	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 03:07	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 03:07	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 03:07	5
Lead	**24**		1.3	0.17	ug/L		08/19/11 12:55	08/20/11 03:07	5
Nickel	**13**	**V**	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 15:39	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 03:07	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 03:07	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 03:07	5
Vanadium	**2.9**		2.5	2.2	ug/L		08/19/11 12:55	08/20/11 03:07	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 03:07	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.6**		1.0	0.036	mg/L			09/07/11 02:00	1
Ammonia	**0.048**		0.020	0.0043	mg/L			08/21/11 18:47	1
Nitrate Nitrite as N	**0.024**		0.010	0.0047	mg/L			08/24/11 11:25	1
Nitrate as N	**0.024**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**21**	**Q**	5.0	2.3	mg/L			08/29/11 17:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/17/11 10:01	1
Field pH	**4.26**				SU			08/17/11 10:01	1
Oxygen, Dissolved	**0.5**				mg/L			08/17/11 10:01	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-2(S)b
Date Collected: 08/17/11 10:02
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-7
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 10:01	1
Specific Conductance	63				umhos/cm			08/17/11 10:01	1
Temperature	24.9				Degrees C			08/17/11 10:01	1
Turbidity	1.36				NTU			08/17/11 10:01	1
Ground Water Elevation	135.87				ft			08/17/11 10:01	1

Client Sample ID: MWB-2(I)b
Date Collected: 08/17/11 09:31
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 15:10	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 15:10	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 15:10	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 15:10	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 15:10	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 15:10	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 15:10	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 15:10	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 15:10	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 15:10	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 15:10	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 15:10	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 15:10	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 15:10	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 15:10	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 15:10	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 15:10	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 15:10	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 15:10	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 15:10	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 15:10	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 15:10	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 15:10	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 15:10	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 15:10	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 15:10	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 15:10	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 15:10	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 15:10	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 15:10	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 15:10	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 15:10	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 15:10	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 15:10	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 15:10	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 15:10	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 15:10	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 15:10	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 15:10	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 15:10	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 15:10	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 15:10	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 15:10	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 15:10	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 15:10	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 15:10	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 15:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/23/11 15:10*	*1*

Client Sample ID: MWB-2(I)b
Date Collected: 08/17/11 09:31
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/23/11 15:10*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/23/11 15:10*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 18:33	1
EDB	0.0060	U	0.019	0.0060	ug/L		08/25/11 11:02	08/26/11 18:33	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*89*		*56 - 144*	*08/25/11 11:02*	*08/26/11 18:33*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**330**		50	2.7	ug/L		08/22/11 08:40	08/22/11 20:40	1
Sodium	**4.1**		1.0	0.71	mg/L		08/22/11 08:40	08/22/11 20:40	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 03:26	5
Arsenic	**1.1**	**I**	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 03:26	5
Barium	**23**	**V**	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 03:26	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 03:26	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 03:26	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 03:26	5
Cobalt	**0.27**	**I**	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 03:26	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 03:26	5
Lead	**3.1**		1.3	0.17	ug/L		08/19/11 12:55	08/20/11 03:26	5
Nickel	0.70	U	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 15:45	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 03:26	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 03:26	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 03:26	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 03:26	5
Zinc	**23**		20	14	ug/L		08/19/11 12:55	08/20/11 03:26	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 15:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.5**		1.0	0.036	mg/L			09/07/11 02:16	1
Ammonia	**0.023**		0.020	0.0043	mg/L			08/21/11 18:56	1
Nitrate Nitrite as N	**0.0083**	**I**	0.010	0.0047	mg/L			08/24/11 11:26	1
Nitrate as N	**0.0083**	**I**	0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**37**		5.0	2.3	mg/L			08/23/11 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**None**				PCU			08/17/11 09:30	1
Field pH	**4.62**				SU			08/17/11 09:30	1
Oxygen, Dissolved	**0.1**				mg/L			08/17/11 09:30	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-2(I)b
Date Collected: 08/17/11 09:31
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-8
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 09:30	1
Specific Conductance	35				umhos/cm			08/17/11 09:30	1
Temperature	23.2				Degrees C			08/17/11 09:30	1
Turbidity	0.82				NTU			08/17/11 09:30	1
Ground Water Elevation	135.88				ft			08/17/11 09:30	1

Client Sample ID: MWB-20(S)c
Date Collected: 08/17/11 08:20
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 15:32	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 15:32	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 15:32	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 15:32	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 15:32	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 15:32	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 15:32	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 15:32	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 15:32	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 15:32	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 15:32	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 15:32	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 15:32	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 15:32	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 15:32	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 15:32	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 15:32	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 15:32	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 15:32	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 15:32	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 15:32	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 15:32	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 15:32	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 15:32	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 15:32	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 15:32	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 15:32	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 15:32	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 15:32	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 15:32	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 15:32	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 15:32	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 15:32	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 15:32	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 15:32	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 15:32	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 15:32	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 15:32	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 15:32	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 15:32	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 15:32	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 15:32	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 15:32	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 15:32	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 15:32	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 15:32	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 15:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*85 - 113*		*08/23/11 15:32*	*1*

Client Sample ID: MWB-20(S)c
Date Collected: 08/17/11 08:20
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/23/11 15:32*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/23/11 15:32*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 18:47	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 18:47	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*95*		*56 - 144*	*08/25/11 11:02*	*08/26/11 18:47*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**80**		50	2.7	ug/L		08/22/11 14:10	08/23/11 14:45	1
Sodium	**9.7**		1.0	0.71	mg/L		08/22/11 14:10	08/23/11 14:45	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/22/11 10:40	08/23/11 23:40	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/22/11 10:40	08/23/11 23:40	5
Barium	**14**		2.5	0.42	ug/L		08/22/11 10:40	08/23/11 23:40	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/23/11 23:40	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/23/11 23:40	5
Chromium	0.63	U	2.5	0.63	ug/L		08/22/11 10:40	08/23/11 23:40	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/22/11 10:40	08/23/11 23:40	5
Copper	1.9	U	2.5	1.9	ug/L		08/22/11 10:40	08/23/11 23:40	5
Lead	0.17	U	1.3	0.17	ug/L		08/22/11 10:40	08/23/11 23:40	5
Nickel	0.70	U	2.5	0.70	ug/L		08/22/11 10:40	08/25/11 16:10	5
Selenium	0.33	U	1.3	0.33	ug/L		08/22/11 10:40	08/23/11 23:40	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/23/11 23:40	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/23/11 23:40	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/22/11 10:40	08/23/11 23:40	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/23/11 23:40	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/29/11 11:00	08/30/11 09:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		1.0	0.036	mg/L			09/07/11 02:33	1
Ammonia	**0.38**		0.020	0.0043	mg/L			08/21/11 18:58	1
Nitrate Nitrite as N	**0.11**		0.010	0.0047	mg/L			08/24/11 11:28	1
Nitrate as N	**0.11**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**72**	**Q**	5.0	2.3	mg/L			08/29/11 17:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Brown Tint**				PCU			08/17/11 08:15	1
Field pH	**4.22**				SU			08/17/11 08:15	1
Oxygen, Dissolved	**0.2**				mg/L			08/17/11 08:15	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-20(S)c
Date Collected: 08/17/11 08:20
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-9
Matrix: Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sheen	None				NONE			08/17/11 08:15	1
Specific Conductance	111				umhos/cm			08/17/11 08:15	1
Temperature	26.3				Degrees C			08/17/11 08:15	1
Turbidity	9.13				NTU			08/17/11 08:15	1
Ground Water Elevation	111.66				ft			08/17/11 08:15	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Dup03
Date Collected: 08/17/11 08:20
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 15:54	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 15:54	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 15:54	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 15:54	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 15:54	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 15:54	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 15:54	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 15:54	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 15:54	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 15:54	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 15:54	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 15:54	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 15:54	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 15:54	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 15:54	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 15:54	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 15:54	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 15:54	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 15:54	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 15:54	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 15:54	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 15:54	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 15:54	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 15:54	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 15:54	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 15:54	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 15:54	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 15:54	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 15:54	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 15:54	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 15:54	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 15:54	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 15:54	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 15:54	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 15:54	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 15:54	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 15:54	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 15:54	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 15:54	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 15:54	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 15:54	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 15:54	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 15:54	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 15:54	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 15:54	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 15:54	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 15:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/23/11 15:54*	*1*

Client Sample ID: Dup03
Date Collected: 08/17/11 08:20
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/23/11 15:54*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/23/11 15:54*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0056	U	0.019	0.0056	ug/L		08/25/11 11:02	08/26/11 19:02	1
EDB	0.0060	U	0.019	0.0060	ug/L		08/25/11 11:02	08/26/11 19:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*89*		*56 - 144*	*08/25/11 11:02*	*08/26/11 19:02*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**120**		50	2.7	ug/L		08/22/11 14:10	08/23/11 14:49	1
Sodium	**9.5**		1.0	0.71	mg/L		08/22/11 14:10	08/23/11 14:49	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/22/11 10:40	08/23/11 23:46	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/22/11 10:40	08/23/11 23:46	5
Barium	**14**		2.5	0.42	ug/L		08/22/11 10:40	08/23/11 23:46	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/23/11 23:46	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/23/11 23:46	5
Chromium	0.63	U	2.5	0.63	ug/L		08/22/11 10:40	08/23/11 23:46	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/22/11 10:40	08/23/11 23:46	5
Copper	1.9	U	2.5	1.9	ug/L		08/22/11 10:40	08/23/11 23:46	5
Lead	**0.17**	**I**	1.3	0.17	ug/L		08/22/11 10:40	08/23/11 23:46	5
Nickel	0.70	U	2.5	0.70	ug/L		08/22/11 10:40	08/25/11 16:16	5
Selenium	0.33	U	1.3	0.33	ug/L		08/22/11 10:40	08/23/11 23:46	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/23/11 23:46	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/23/11 23:46	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/22/11 10:40	08/23/11 23:46	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/23/11 23:46	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/29/11 11:00	08/30/11 09:35	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		1.0	0.036	mg/L			09/07/11 03:56	1
Ammonia	**0.39**		0.020	0.0043	mg/L			08/21/11 18:59	1
Nitrate Nitrite as N	**0.15**		0.010	0.0047	mg/L			08/24/11 11:33	1
Nitrate as N	**0.15**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**72**	**Q**	5.0	2.3	mg/L			08/29/11 17:25	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 02
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/24/11 15:02	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/24/11 15:02	1
Benzene	0.28	U	1.0	0.28	ug/L			08/24/11 15:02	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/24/11 15:02	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/24/11 15:02	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/24/11 15:02	1
Carbon disulfide	**0.27**	**I**	1.0	0.13	ug/L			08/24/11 15:02	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/24/11 15:02	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/24/11 15:02	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/24/11 15:02	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/24/11 15:02	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/24/11 15:02	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/24/11 15:02	1
Chloromethane	**0.30**	**I**	1.0	0.28	ug/L			08/24/11 15:02	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/24/11 15:02	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/24/11 15:02	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/24/11 15:02	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/24/11 15:02	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/24/11 15:02	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/24/11 15:02	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/24/11 15:02	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/24/11 15:02	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/24/11 15:02	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/24/11 15:02	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/24/11 15:02	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/24/11 15:02	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/24/11 15:02	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/24/11 15:02	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/24/11 15:02	1
Methylene Chloride	**0.33**	**I**	5.0	0.27	ug/L			08/24/11 15:02	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/24/11 15:02	1
Styrene	0.22	U	1.0	0.22	ug/L			08/24/11 15:02	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/24/11 15:02	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/24/11 15:02	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/24/11 15:02	1
Toluene	0.24	U	1.0	0.24	ug/L			08/24/11 15:02	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/24/11 15:02	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/24/11 15:02	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/24/11 15:02	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/24/11 15:02	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/24/11 15:02	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/24/11 15:02	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/24/11 15:02	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/24/11 15:02	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/24/11 15:02	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/24/11 15:02	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/24/11 15:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*85 - 113*		*08/24/11 15:02*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 02
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	103		82 - 114		08/24/11 15:02	1
Toluene-d8 (Surr)	100		92 - 107		08/24/11 15:02	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Field Blank 02
Date Collected: 08/17/11 11:21
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/24/11 14:39	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/24/11 14:39	1
Benzene	0.28	U	1.0	0.28	ug/L			08/24/11 14:39	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/24/11 14:39	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/24/11 14:39	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/24/11 14:39	1
Carbon disulfide	**0.50**	**I**	1.0	0.13	ug/L			08/24/11 14:39	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/24/11 14:39	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/24/11 14:39	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/24/11 14:39	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/24/11 14:39	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/24/11 14:39	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/24/11 14:39	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/24/11 14:39	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/24/11 14:39	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/24/11 14:39	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/24/11 14:39	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/24/11 14:39	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/24/11 14:39	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/24/11 14:39	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/24/11 14:39	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/24/11 14:39	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/24/11 14:39	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/24/11 14:39	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/24/11 14:39	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/24/11 14:39	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/24/11 14:39	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/24/11 14:39	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/24/11 14:39	1
Methylene Chloride	**1.3**	**I**	5.0	0.27	ug/L			08/24/11 14:39	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/24/11 14:39	1
Styrene	0.22	U	1.0	0.22	ug/L			08/24/11 14:39	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/24/11 14:39	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/24/11 14:39	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/24/11 14:39	1
Toluene	0.24	U	1.0	0.24	ug/L			08/24/11 14:39	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/24/11 14:39	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/24/11 14:39	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/24/11 14:39	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/24/11 14:39	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/24/11 14:39	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/24/11 14:39	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/24/11 14:39	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/24/11 14:39	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/24/11 14:39	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/24/11 14:39	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/24/11 14:39	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*85 - 113*		*08/24/11 14:39*	*1*

Client Sample ID: Field Blank 02
Date Collected: 08/17/11 11:21
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34894-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*82 - 114*		*08/24/11 14:39*	*1*
Toluene-d8 (Surr)	*101*		*92 - 107*		*08/24/11 14:39*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 11:02	08/26/11 19:17	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 11:02	08/26/11 19:17	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*	*08/25/11 11:02*	*08/26/11 19:17*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**15**	**I**	50	2.7	ug/L		08/22/11 14:10	08/23/11 14:52	1
Sodium	0.71	U	1.0	0.71	mg/L		08/22/11 14:10	08/23/11 14:52	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/22/11 10:40	08/24/11 00:24	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/22/11 10:40	08/24/11 00:24	5
Barium	0.42	U	2.5	0.42	ug/L		08/22/11 10:40	08/24/11 00:24	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/24/11 00:24	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/24/11 00:24	5
Chromium	0.63	U	2.5	0.63	ug/L		08/22/11 10:40	08/24/11 00:24	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/22/11 10:40	08/24/11 00:24	5
Copper	1.9	U	2.5	1.9	ug/L		08/22/11 10:40	08/24/11 00:24	5
Lead	**2.3**		1.3	0.17	ug/L		08/22/11 10:40	08/24/11 00:24	5
Nickel	0.70	U	2.5	0.70	ug/L		08/22/11 10:40	08/25/11 16:22	5
Selenium	0.33	U	1.3	0.33	ug/L		08/22/11 10:40	08/24/11 00:24	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/24/11 00:24	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/24/11 00:24	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/22/11 10:40	08/24/11 00:24	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/24/11 00:24	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/29/11 11:00	08/30/11 09:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			09/07/11 04:13	1
Ammonia	0.0043	U	0.020	0.0043	mg/L			08/21/11 19:01	1
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/24/11 11:58	1
Nitrate as N	0.0047	U	0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	2.3	U Q	5.0	2.3	mg/L			08/29/11 17:25	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-1
Date Collected: 08/17/11 14:15
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.4**	**I**	25	3.0	ug/L			08/23/11 16:15	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 16:15	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 16:15	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 16:15	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 16:15	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 16:15	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 16:15	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 16:15	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 16:15	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 16:15	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 16:15	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 16:15	1
Chloroform	**1.2**		1.0	0.21	ug/L			08/23/11 16:15	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 16:15	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 16:15	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 16:15	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 16:15	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 16:15	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 16:15	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 16:15	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 16:15	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 16:15	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 16:15	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 16:15	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 16:15	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 16:15	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 16:15	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 16:15	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 16:15	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 16:15	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 16:15	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 16:15	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 16:15	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 16:15	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 16:15	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 16:15	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 16:15	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 16:15	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 16:15	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 16:15	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 16:15	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 16:15	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 16:15	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 16:15	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 16:15	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 16:15	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 16:15	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*85 - 113*		*08/23/11 16:15*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-1
Date Collected: 08/17/11 14:15
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*99*		*82 - 114*		*08/23/11 16:15*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/23/11 16:15*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 09:26	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 09:26	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*118*		*56 - 144*	*08/25/11 10:56*	*08/26/11 09:26*	*1*

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00073**		0.00050	0.00020	ug/L		08/21/11 16:20	08/25/11 11:23	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**330**		50	2.7	ug/L		08/22/11 14:10	08/23/11 14:20	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/22/11 10:40	08/23/11 23:22	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/22/11 10:40	08/23/11 23:22	5
Barium	**51**		2.5	0.42	ug/L		08/22/11 10:40	08/23/11 23:22	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/23/11 23:22	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/23/11 23:22	5
Chromium	0.63	U	2.5	0.63	ug/L		08/22/11 10:40	08/23/11 23:22	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/22/11 10:40	08/23/11 23:22	5
Copper	1.9	U	2.5	1.9	ug/L		08/22/11 10:40	08/23/11 23:22	5
Lead	**0.75**	**I**	1.3	0.17	ug/L		08/22/11 10:40	08/23/11 23:22	5
Nickel	0.70	U	2.5	0.70	ug/L		08/22/11 10:40	08/25/11 15:51	5
Selenium	0.33	U	1.3	0.33	ug/L		08/22/11 10:40	08/23/11 23:22	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/23/11 23:22	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/23/11 23:22	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/22/11 10:40	08/23/11 23:22	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/23/11 23:22	5

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**110**		3.3	3.3	mg/L			08/23/11 14:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.0092**	**I**	0.010	0.0047	mg/L			08/24/11 11:45	1
Phosphorus	**0.021**		0.010	0.0044	mg/L		08/22/11 13:56	08/23/11 14:17	1
Nitrate as N	**0.0092**	**I**	0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**180**		5.0	2.3	mg/L			08/24/11 19:15	1
Total Suspended Solids	**4.8**		2.5	1.5	mg/L			08/24/11 19:00	1
ortho-Phosphate	**0.0022**	**I**	0.010	0.0014	mg/L			08/19/11 09:33	1
Biochemical Oxygen Demand	**2.4**		2.0	1.5	mg/L			08/18/11 15:00	1
Chemical Oxygen Demand	**65**		20	10	mg/L		08/25/11 10:25	08/25/11 14:00	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-1
Date Collected: 08/17/11 14:15
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	22		1.0	0.35	mg/L			08/25/11 20:27	1
Nitrogen, Total	0.85		0.25	0.25	mg/L			08/21/11 19:30	1
Unionized Ammonia	0.00028	U	0.00028	0.00028	mg/L			08/21/11 19:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Sl Yellow				PCU			08/17/11 14:15	1
Field pH	7.15				SU			08/17/11 14:15	1
Field Temperature	26.8				Degrees C			08/17/11 14:15	1
Oxygen, Dissolved	4.3				mg/L			08/17/11 14:15	1
Sheen	None				NONE			08/17/11 14:15	1
Specific Conductance	251				umhos/cm			08/17/11 14:15	1
Turbidity	4.11				NTU			08/17/11 14:15	1

Method: SM 10200H by E83012 - General Chemistry Parameters

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a	4.90		0.500	0.500	ug/L		08/18/11 13:00	08/19/11 11:38	1.00

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-2
Date Collected: 08/17/11 14:40
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.5	I	25	3.0	ug/L			08/23/11 16:37	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 16:37	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 16:37	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 16:37	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 16:37	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 16:37	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 16:37	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 16:37	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 16:37	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 16:37	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 16:37	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 16:37	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 16:37	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 16:37	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 16:37	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 16:37	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 16:37	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 16:37	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 16:37	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 16:37	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 16:37	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 16:37	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 16:37	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 16:37	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 16:37	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 16:37	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 16:37	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 16:37	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 16:37	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 16:37	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 16:37	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 16:37	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 16:37	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 16:37	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 16:37	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 16:37	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 16:37	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 16:37	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 16:37	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 16:37	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 16:37	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 16:37	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 16:37	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 16:37	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 16:37	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 16:37	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 16:37	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*85 - 113*		*08/23/11 16:37*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-2
Date Collected: 08/17/11 14:40
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*82 - 114*		*08/23/11 16:37*	*1*
Toluene-d8 (Surr)	*96*		*92 - 107*		*08/23/11 16:37*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 09:41	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 09:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*130*		*56 - 144*	*08/25/11 10:56*	*08/26/11 09:41*	*1*

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00041**	**I**	0.00050	0.00020	ug/L		08/21/11 16:20	08/25/11 11:31	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**310**		50	2.7	ug/L		08/22/11 14:10	08/23/11 14:38	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/22/11 10:40	08/23/11 23:28	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/22/11 10:40	08/23/11 23:28	5
Barium	**84**		2.5	0.42	ug/L		08/22/11 10:40	08/23/11 23:28	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/23/11 23:28	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/23/11 23:28	5
Chromium	0.63	U	2.5	0.63	ug/L		08/22/11 10:40	08/23/11 23:28	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/22/11 10:40	08/23/11 23:28	5
Copper	1.9	U	2.5	1.9	ug/L		08/22/11 10:40	08/23/11 23:28	5
Lead	0.17	U	1.3	0.17	ug/L		08/22/11 10:40	08/23/11 23:28	5
Nickel	0.70	U	2.5	0.70	ug/L		08/22/11 10:40	08/25/11 15:57	5
Selenium	0.33	U	1.3	0.33	ug/L		08/22/11 10:40	08/23/11 23:28	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/23/11 23:28	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/23/11 23:28	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/22/11 10:40	08/23/11 23:28	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/23/11 23:28	5

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**8.2**		3.3	3.3	mg/L			08/23/11 14:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.015**		0.010	0.0047	mg/L			08/24/11 11:46	1
Phosphorus	**0.015**		0.010	0.0044	mg/L		08/22/11 13:56	08/23/11 14:24	1
Nitrate as N	**0.015**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**54**		5.0	2.3	mg/L			08/24/11 19:15	1
Total Suspended Solids	**4.2**		2.5	1.5	mg/L			08/24/11 19:00	1
ortho-Phosphate	**0.0066**	**I**	0.010	0.0014	mg/L			08/19/11 09:24	1
Biochemical Oxygen Demand	1.5	U	2.0	1.5	mg/L			08/18/11 15:00	1
Chemical Oxygen Demand	**23**		20	10	mg/L		08/25/11 10:25	08/25/11 14:00	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-2
Date Collected: 08/17/11 14:40
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	6.9		1.0	0.35	mg/L			08/25/11 19:04	1
Nitrogen, Total	0.31		0.25	0.25	mg/L			08/21/11 19:30	1
Unionized Ammonia	0.00028	U	0.00028	0.00028	mg/L			08/21/11 19:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	None				PCU			08/17/11 14:40	1
Field pH	5.75				SU			08/17/11 14:40	1
Field Temperature	25.6				Degrees C			08/17/11 14:40	1
Oxygen, Dissolved	5.6				mg/L			08/17/11 14:40	1
Sheen	None				NONE			08/17/11 14:40	1
Specific Conductance	50				umhos/cm			08/17/11 14:40	1
Turbidity	3.97				NTU			08/17/11 14:40	1

Method: SM 10200H by E83012 - General Chemistry Parameters

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a	4.90		0.500	0.500	ug/L		08/18/11 13:10	08/19/11 11:40	1.00

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-3
Date Collected: 08/17/11 13:50
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 16:59	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 16:59	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 16:59	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 16:59	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 16:59	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 16:59	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 16:59	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 16:59	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 16:59	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 16:59	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 16:59	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 16:59	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 16:59	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 16:59	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 16:59	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 16:59	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 16:59	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 16:59	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 16:59	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 16:59	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 16:59	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 16:59	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 16:59	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 16:59	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 16:59	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 16:59	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 16:59	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 16:59	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 16:59	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 16:59	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 16:59	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 16:59	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 16:59	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 16:59	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 16:59	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 16:59	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 16:59	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 16:59	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 16:59	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 16:59	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 16:59	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 16:59	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 16:59	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 16:59	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 16:59	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 16:59	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 16:59	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*85 - 113*		*08/23/11 16:59*	*1*

Client Sample ID: SW-3
Date Collected: 08/17/11 13:50
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*82 - 114*		*08/23/11 16:59*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/23/11 16:59*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0057	U	0.019	0.0057	ug/L		08/25/11 10:56	08/26/11 09:56	1
EDB	0.0061	U	0.019	0.0061	ug/L		08/25/11 10:56	08/26/11 09:56	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*106*		*56 - 144*	*08/25/11 10:56*	*08/26/11 09:56*	*1*

Method: 1631E - Mercury, Low Level (CVAFS) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**		0.0010	0.00040	ug/L		08/21/11 16:20	08/25/11 12:03	2

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**960**		50	2.7	ug/L		08/22/11 14:10	08/23/11 14:42	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.8**		1.3	0.84	ug/L		08/22/11 10:40	08/23/11 23:34	5
Arsenic	**2.4**		1.3	0.66	ug/L		08/22/11 10:40	08/23/11 23:34	5
Barium	**79**		2.5	0.42	ug/L		08/22/11 10:40	08/23/11 23:34	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/23/11 23:34	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/23/11 23:34	5
Chromium	**1.9**	**I**	2.5	0.63	ug/L		08/22/11 10:40	08/23/11 23:34	5
Cobalt	**0.40**	**I**	2.5	0.25	ug/L		08/22/11 10:40	08/23/11 23:34	5
Copper	**2.0**	**I**	2.5	1.9	ug/L		08/22/11 10:40	08/23/11 23:34	5
Lead	**5.3**		1.3	0.17	ug/L		08/22/11 10:40	08/23/11 23:34	5
Nickel	**3.4**		2.5	0.70	ug/L		08/22/11 10:40	08/25/11 16:04	5
Selenium	**0.89**	**I**	1.3	0.33	ug/L		08/22/11 10:40	08/23/11 23:34	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/23/11 23:34	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/23/11 23:34	5
Vanadium	**4.6**		2.5	2.2	ug/L		08/22/11 10:40	08/23/11 23:34	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/23/11 23:34	5

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**170**		3.3	3.3	mg/L			08/23/11 14:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.023**		0.010	0.0047	mg/L			08/24/11 11:48	1
Phosphorus	**0.085**		0.010	0.0044	mg/L		08/22/11 13:56	08/23/11 14:26	1
Nitrate as N	**0.018**		0.010	0.0047	mg/L			08/24/11 13:30	1
Total Dissolved Solids	**360**		10	4.6	mg/L			08/24/11 19:15	1
Total Suspended Solids	**13**		2.5	1.5	mg/L			08/24/11 19:00	1
ortho-Phosphate	**0.059**		0.010	0.0014	mg/L			08/19/11 09:35	1
Biochemical Oxygen Demand	**3.6**		2.0	1.5	mg/L			08/18/11 15:00	1
Chemical Oxygen Demand	**73**		20	10	mg/L		08/25/11 10:25	08/25/11 14:00	1

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: SW-3
Date Collected: 08/17/11 13:50
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	24		1.0	0.35	mg/L			08/25/11 19:21	1
Nitrogen, Total	4.0		0.25	0.25	mg/L			08/22/11 15:00	1
Unionized Ammonia	0.023		0.00028	0.00028	mg/L			08/22/11 15:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Lt Tan				PCU			08/17/11 13:50	1
Field pH	6.96				SU			08/17/11 13:50	1
Field Temperature	30.5				Degrees C			08/17/11 13:50	1
Oxygen, Dissolved	4.7				mg/L			08/17/11 13:50	1
Sheen	None				NONE			08/17/11 13:50	1
Specific Conductance	496				umhos/cm			08/17/11 13:50	1
Turbidity	41.71				NTU			08/17/11 13:50	1

Method: SM 10200H by E83012 - General Chemistry Parameters

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a	61.9		0.500	0.500	ug/L		08/18/11 14:16	08/19/11 11:42	1.00

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 04
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 11:55	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 11:55	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 11:55	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 11:55	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 11:55	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 11:55	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 11:55	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 11:55	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 11:55	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 11:55	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 11:55	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 11:55	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 11:55	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 11:55	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 11:55	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 11:55	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 11:55	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 11:55	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 11:55	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 11:55	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 11:55	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 11:55	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 11:55	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 11:55	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 11:55	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 11:55	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 11:55	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 11:55	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 11:55	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 11:55	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 11:55	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 11:55	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 11:55	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 11:55	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 11:55	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 11:55	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 11:55	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 11:55	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 11:55	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 11:55	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 11:55	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 11:55	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 11:55	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 11:55	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 11:55	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 11:55	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 11:55	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/23/11 11:55*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 04
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		82 - 114		08/23/11 11:55	1
Toluene-d8 (Surr)	97		92 - 107		08/23/11 11:55	1

Surrogate Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(85-113)	(82-114)	(92-107)
640-34882-1	MWB-27(I)c	94	97	98
640-34882-2	MWB-27(D)c	100	95	98
640-34882-3	Dup02	102	98	98
640-34882-4	MWB-22(S)c	100	99	99
640-34882-5	MWB-21(S)c	97	100	98
640-34882-6	MWB-17(S)c	96	101	95
640-34882-7	MWB-17(I)c	98	97	97
640-34882-8	MWB-17(D)c	98	100	96
640-34882-9	MWB-11(S)c	98	100	96
640-34882-10	MWB-11(1)(R)c	97	101	98
640-34882-11	MWB-7(S)c	91	97	96
640-34882-12	MWB-32(S)d	96	97	96
640-34882-13	MWB-32(I)d	93	95	97
640-34882-13 MS	MWB-32(I)d	103	100	102
640-34882-13 MSD	MWB-32(I)d	101	98	99
640-34882-14	MWB-32(D)d	98	97	96
640-34882-15	MWB-34(S)d	97	95	98
640-34882-16	MWB-34(I)d	100	97	98
640-34882-17	MWB-34(D)d	96	98	98
640-34882-18	MWB-33(S)d	92	95	96
640-34882-19	MWB-29(S)c	99	101	96
640-34882-20	MWB-29(I)c	100	99	98
640-34882-21	MWB-29(D)c	96	97	97
640-34882-22	MWB-27(S)c	102	96	97
640-34882-23	MWB-7(D)c	98	99	97
640-34882-24	Dup01	97	97	98
640-34882-25	MWB-7(1)c	98	96	96
640-34882-26	MWB-19(S)c	98	98	98
640-34882-27	MWB-19(I)c	93	98	98
640-34882-28	MWB-19(D)c	96	96	99
640-34882-29	MWB-3(I)b	99	101	97
640-34882-30	MWB-3(S)b	97	95	95
640-34882-31	MWB-31(D)b	98	100	99
640-34882-31 MS	MWB-31(D)b	102	96	99
640-34882-31 MSD	MWB-31(D)b	99	96	94
640-34882-32	Field Blank 01	97	95	97
640-34882-33	Trip Blank 01	96	96	97
640-34894-1	MWB-12(D)c	99	99	96
640-34894-2	Dup04	100	102	99
640-34894-3	MWB-12(1)c	95	99	98
640-34894-4	MWB-12(S)c	104	98	96
640-34894-5	MWB-13(S)c	99	98	98
640-34894-6	MWB-13(I)c	103	96	98
640-34894-7	MWB-2(S)b	100	97	98
640-34894-8	MWB-2(I)b	97	98	97
640-34894-9	MWB-20(S)c	100	97	97
640-34894-10	Dup03	97	98	99
640-34894-11	Trip Blank 02	95	103	100
640-34894-12	Field Blank 02	94	105	101
640-34897-1	SW-1	102	99	97

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(85-113)	(82-114)	(92-107)
640-34897-2	SW-2	97	97	96
640-34897-3	SW-3	102	98	97
640-34897-4	Trip Blank 04	99	99	97
LCS 640-84084/3	Lab Control Sample	99	99	99
LCS 640-84107/3	Lab Control Sample	99	97	101
LCS 640-84190/3	Lab Control Sample	99	100	100
LCS 640-84216/2	Lab Control Sample	99	104	99
LCSD 640-84084/4	Lab Control Sample Dup	98	98	100
LCSD 640-84107/4	Lab Control Sample Dup	98	100	96
LCSD 640-84190/4	Lab Control Sample Dup	98	102	98
LCSD 640-84216/3	Lab Control Sample Dup	97	106	100
MB 640-84084/5	Method Blank	99	98	99
MB 640-84107/5	Method Blank	99	93	99
MB 640-84190/5	Method Blank	101	100	97
MB 640-84216/4	Method Blank	99	103	98

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TCEA2
Lab Sample ID	Client Sample ID	(56-144)
640-34882-1	MWB-27(I)c	94
640-34882-1 MS	MWB-27(I)c	104
640-34882-1 MSD	MWB-27(I)c	99
640-34882-2	MWB-27(D)c	114
640-34882-3	Dup02	95
640-34882-4	MWB-22(S)c	120
640-34882-5	MWB-21(S)c	115
640-34882-6	MWB-17(S)c	115
640-34882-7	MWB-17(I)c	115
640-34882-8	MWB-17(D)c	122
640-34882-9	MWB-11(S)c	122
640-34882-10	MWB-11(1)(R)c	120
640-34882-11	MWB-7(S)c	111
640-34882-12	MWB-32(S)d	116
640-34882-13	MWB-32(I)d	124
640-34882-14	MWB-32(D)d	112
640-34882-15	MWB-34(S)d	122
640-34882-16	MWB-34(I)d	116
640-34882-17	MWB-34(D)d	122
640-34882-18	MWB-33(S)d	119
640-34882-19	MWB-29(S)c	115
640-34882-20	MWB-29(I)c	121
640-34882-21	MWB-29(D)c	116
640-34882-21 MS	MWB-29(D)c	122

Surrogate Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	TCEA2 (56-144)								
640-34882-21 MSD	MWB-29(D)c	114								
640-34882-22	MWB-27(S)c	99								
640-34882-23	MWB-7(D)c	116								
640-34882-24	Dup01	110								
640-34882-25	MWB-7(1)c	118								
640-34882-26	MWB-19(S)c	109								
640-34882-27	MWB-19(I)c	127								
640-34882-28	MWB-19(D)c	109								
640-34882-29	MWB-3(I)b	126								
640-34882-30	MWB-3(S)b	106								
640-34882-31	MWB-31(D)b	122								
640-34882-32	Field Blank 01	119								
640-34894-1	MWB-12(D)c	118								
640-34894-1 MS	MWB-12(D)c	118								
640-34894-1 MSD	MWB-12(D)c	114								
640-34894-2	Dup04	107								
640-34894-3	MWB-12(1)c	125								
640-34894-4	MWB-12(S)c	116								
640-34894-5	MWB-13(S)c	129								
640-34894-6	MWB-13(I)c	112								
640-34894-7	MWB-2(S)b	96								
640-34894-8	MWB-2(I)b	89								
640-34894-9	MWB-20(S)c	95								
640-34894-10	Dup03	89								
640-34894-12	Field Blank 02	97								
640-34897-1	SW-1	118								
640-34897-2	SW-2	130								
640-34897-3	SW-3	106								
LCS 640-84262/11-A	Lab Control Sample	86								
LCS 640-84266/2-A	Lab Control Sample	120								
LCS 640-84267/2-A	Lab Control Sample	113								
LCSD 640-84262/12-A	Lab Control Sample Dup	97								
LCSD 640-84266/3-A	Lab Control Sample Dup	114								
LCSD 640-84267/3-A	Lab Control Sample Dup	103								
MB 640-84262/10-A	Method Blank	112								
MB 640-84266/1-A	Method Blank	96								
MB 640-84267/1-A	Method Blank	97								

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 640-84084/5
Matrix: Water
Analysis Batch: 84084

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 09:09	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 09:09	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 09:09	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 09:09	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 09:09	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 09:09	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 09:09	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 09:09	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 09:09	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 09:09	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 09:09	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 09:09	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 09:09	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 09:09	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 09:09	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 09:09	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 09:09	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 09:09	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 09:09	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 09:09	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 09:09	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 09:09	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 09:09	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 09:09	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 09:09	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 09:09	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 09:09	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 09:09	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 09:09	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 09:09	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 09:09	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 09:09	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 09:09	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 09:09	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 09:09	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 09:09	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 09:09	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 09:09	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 09:09	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 09:09	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 09:09	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 09:09	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 09:09	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 09:09	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 09:09	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 09:09	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 09:09	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84084/5
Matrix: Water
Analysis Batch: 84084

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		85 - 113		08/20/11 09:09	1
Dibromofluoromethane	98		82 - 114		08/20/11 09:09	1
Toluene-d8 (Surr)	99		92 - 107		08/20/11 09:09	1

Lab Sample ID: LCS 640-84084/3
Matrix: Water
Analysis Batch: 84084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	290		ug/L		97	64 - 132
Acrylonitrile	600	638		ug/L		106	72 - 124
Benzene	30.0	33.0		ug/L		110	80 - 120
Bromoform	30.0	33.1		ug/L		110	64 - 132
Bromomethane	30.0	32.7		ug/L		109	37 - 146
2-Butanone (MEK)	300	313		ug/L		104	66 - 132
Carbon disulfide	30.0	31.9		ug/L		106	72 - 132
Carbon tetrachloride	30.0	33.1		ug/L		110	79 - 126
Chlorobenzene	30.0	32.2		ug/L		107	82 - 116
Chlorobromomethane	30.0	31.9		ug/L		106	72 - 124
Chlorodibromomethane	30.0	33.9		ug/L		113	73 - 125
Chloroethane	30.0	32.5		ug/L		108	47 - 160
Chloroform	30.0	32.7		ug/L		109	81 - 120
Chloromethane	30.0	32.5		ug/L		108	61 - 136
cis-1,2-Dichloroethene	30.0	30.9		ug/L		103	75 - 128
cis-1,3-Dichloropropene	30.0	29.0		ug/L		97	79 - 120
1,2-Dibromo-3-Chloropropane	30.0	34.6		ug/L		115	57 - 128
Dibromomethane	30.0	31.1		ug/L		104	80 - 119
1,2-Dichlorobenzene	30.0	32.4		ug/L		108	83 - 122
1,4-Dichlorobenzene	30.0	32.7		ug/L		109	82 - 119
Dichlorobromomethane	30.0	31.9		ug/L		106	82 - 120
1,1-Dichloroethane	30.0	31.1		ug/L		104	78 - 124
1,2-Dichloroethane	30.0	32.0		ug/L		107	82 - 123
1,1-Dichloroethene	30.0	32.3		ug/L		108	72 - 133
1,2-Dichloropropane	30.0	33.2		ug/L		111	78 - 121
Ethylbenzene	30.0	33.7		ug/L		112	85 - 119
Ethylene Dibromide	30.0	32.0		ug/L		107	78 - 120
2-Hexanone	300	331		ug/L		110	54 - 132
Iodomethane	30.0	37.4		ug/L		125	32 - 169
Methylene Chloride	30.0	32.4		ug/L		108	75 - 125
4-Methyl-2-pentanone (MIBK)	300	337		ug/L		112	67 - 134
Styrene	30.0	32.9		ug/L		110	86 - 121
1,1,1,2-Tetrachloroethane	30.0	33.0		ug/L		110	80 - 118
1,1,2,2-Tetrachloroethane	30.0	30.3		ug/L		101	78 - 118
Tetrachloroethene	30.0	32.9		ug/L		110	81 - 126
Toluene	30.0	32.3		ug/L		108	82 - 122
trans-1,4-Dichloro-2-butene	60.0	56.3		ug/L		94	76 - 128
trans-1,2-Dichloroethene	30.0	31.6		ug/L		105	77 - 128
trans-1,3-Dichloropropene	30.0	29.0		ug/L		97	76 - 122
1,1,1-Trichloroethane	30.0	32.7		ug/L		109	85 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84084/3
Matrix: Water
Analysis Batch: 84084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,2-Trichloroethane	30.0	31.6		ug/L		105	76 - 122
Trichloroethene	30.0	33.9		ug/L		113	82 - 121
Trichlorofluoromethane	30.0	32.3		ug/L		108	84 - 139
1,2,3-Trichloropropane	30.0	31.9		ug/L		106	79 - 128
Vinyl acetate	60.0	35.9		ug/L		60	39 - 185
Vinyl chloride	30.0	31.7		ug/L		106	70 - 139
Xylenes, Total	90.0	92.9		ug/L		103	86 - 123

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*85 - 113*
Dibromofluoromethane	*99*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Lab Sample ID: LCSD 640-84084/4
Matrix: Water
Analysis Batch: 84084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	300	285		ug/L		95	64 - 132	2	28
Acrylonitrile	600	605		ug/L		101	72 - 124	5	40
Benzene	30.0	32.9		ug/L		110	80 - 120	0	20
Bromoform	30.0	32.2		ug/L		107	64 - 132	3	20
Bromomethane	30.0	32.7		ug/L		109	37 - 146	0	38
2-Butanone (MEK)	300	306		ug/L		102	66 - 132	2	28
Carbon disulfide	30.0	31.4		ug/L		105	72 - 132	2	23
Carbon tetrachloride	30.0	32.7		ug/L		109	79 - 126	1	20
Chlorobenzene	30.0	32.1		ug/L		107	82 - 116	0	20
Chlorobromomethane	30.0	32.3		ug/L		108	72 - 124	1	20
Chlorodibromomethane	30.0	33.8		ug/L		113	73 - 125	0	20
Chloroethane	30.0	28.5		ug/L		95	47 - 160	13	35
Chloroform	30.0	32.0		ug/L		107	81 - 120	2	20
Chloromethane	30.0	30.9		ug/L		103	61 - 136	5	20
cis-1,2-Dichloroethene	30.0	30.2		ug/L		101	75 - 128	2	20
cis-1,3-Dichloropropene	30.0	28.3		ug/L		94	79 - 120	2	20
1,2-Dibromo-3-Chloropropane	30.0	32.2		ug/L		107	57 - 128	7	25
Dibromomethane	30.0	31.7		ug/L		106	80 - 119	2	20
1,2-Dichlorobenzene	30.0	31.9		ug/L		106	83 - 122	2	20
1,4-Dichlorobenzene	30.0	31.3		ug/L		104	82 - 119	5	20
Dichlorobromomethane	30.0	32.7		ug/L		109	82 - 120	2	20
1,1-Dichloroethane	30.0	30.6		ug/L		102	78 - 124	2	20
1,2-Dichloroethane	30.0	31.5		ug/L		105	82 - 123	2	20
1,1-Dichloroethene	30.0	30.9		ug/L		103	72 - 133	4	24
1,2-Dichloropropane	30.0	32.3		ug/L		108	78 - 121	3	20
Ethylbenzene	30.0	34.0		ug/L		113	85 - 119	1	20
Ethylene Dibromide	30.0	31.1		ug/L		104	78 - 120	3	20
2-Hexanone	300	317		ug/L		106	54 - 132	4	32
Iodomethane	30.0	36.6		ug/L		122	32 - 169	2	40
Methylene Chloride	30.0	30.7		ug/L		102	75 - 125	5	22
4-Methyl-2-pentanone (MIBK)	300	333		ug/L		111	67 - 134	1	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84084/4
Matrix: Water
Analysis Batch: 84084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Styrene			30.0	34.0		ug/L		113	86 - 121	3	20
1,1,1,2-Tetrachloroethane			30.0	33.0		ug/L		110	80 - 118	0	20
1,1,2,2-Tetrachloroethane			30.0	30.6		ug/L		102	78 - 118	1	20
Tetrachloroethene			30.0	34.1		ug/L		114	81 - 126	4	20
Toluene			30.0	31.9		ug/L		106	82 - 122	1	20
trans-1,4-Dichloro-2-butene			60.0	55.4		ug/L		92	76 - 128	2	26
trans-1,2-Dichloroethene			30.0	30.8		ug/L		103	77 - 128	3	22
trans-1,3-Dichloropropene			30.0	29.4		ug/L		98	76 - 122	1	20
1,1,1-Trichloroethane			30.0	33.4		ug/L		111	85 - 122	2	20
1,1,2-Trichloroethane			30.0	32.4		ug/L		108	76 - 122	2	20
Trichloroethene			30.0	32.3		ug/L		108	82 - 121	5	20
Trichlorofluoromethane			30.0	31.0		ug/L		103	84 - 139	4	20
1,2,3-Trichloropropane			30.0	33.6		ug/L		112	79 - 128	5	20
Vinyl acetate			60.0	50.5	J	ug/L		84	39 - 185	34	27
Vinyl chloride			30.0	31.4		ug/L		105	70 - 139	1	20
Xylenes, Total			90.0	95.4		ug/L		106	86 - 123	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*85 - 113*
Dibromofluoromethane	*98*		*82 - 114*
Toluene-d8 (Surr)	*100*		*92 - 107*

Lab Sample ID: 640-34882-13 MS
Matrix: Water
Analysis Batch: 84084

Client Sample ID: MWB-32(I)d
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Acetone	3.0	U	200	164		ug/L		82	61 - 131		
Acrylonitrile	5.1	U	400	334		ug/L		83	72 - 123		
Benzene	0.28	U	20.0	19.2		ug/L		96	74 - 125		
Bromoform	0.18	U	20.0	18.8		ug/L		94	52 - 134		
Bromomethane	0.25	U	20.0	15.3		ug/L		77	10 - 182		
2-Butanone (MEK)	3.0	U	200	175		ug/L		87	68 - 120		
Carbon disulfide	0.13	U	20.0	18.9		ug/L		94	52 - 170		
Carbon tetrachloride	0.20	U	20.0	20.7		ug/L		104	73 - 131		
Chlorobenzene	0.27	U	20.0	18.8		ug/L		94	80 - 118		
Chlorobromomethane	0.14	U	20.0	17.5		ug/L		88	63 - 129		
Chlorodibromomethane	0.16	U	20.0	20.1		ug/L		101	64 - 125		
Chloroethane	0.53	U	20.0	19.3		ug/L		97	29 - 148		
Chloroform	0.21	U	20.0	18.6		ug/L		93	78 - 123		
Chloromethane	0.28	U	20.0	19.9		ug/L		99	51 - 142		
cis-1,2-Dichloroethene	0.22	U	20.0	17.3		ug/L		87	64 - 134		
cis-1,3-Dichloropropene	0.19	U	20.0	15.9		ug/L		79	67 - 112		
1,2-Dibromo-3-Chloropropane	0.32	U	20.0	16.3		ug/L		82	52 - 135		
Dibromomethane	0.24	U	20.0	18.6		ug/L		93	78 - 118		
1,2-Dichlorobenzene	0.18	U	20.0	16.9		ug/L		85	72 - 130		
1,4-Dichlorobenzene	0.19	U	20.0	17.2		ug/L		86	76 - 122		
Dichlorobromomethane	0.26	U	20.0	20.1		ug/L		100	76 - 119		
1,1-Dichloroethane	0.18	U	20.0	18.0		ug/L		90	71 - 135		

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 640-34882-13 MS
Matrix: Water
Analysis Batch: 84084

Client Sample ID: MWB-32(I)d
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dichloroethane	0.28	U	20.0	20.1		ug/L		100	78 - 127
1,1-Dichloroethene	0.24	U	20.0	19.7		ug/L		99	60 - 151
1,2-Dichloropropane	0.27	U	20.0	18.8		ug/L		94	76 - 118
Ethylbenzene	0.25	U	20.0	18.8		ug/L		94	60 - 132
Ethylene Dibromide	0.25	U	20.0	17.8		ug/L		89	74 - 116
2-Hexanone	2.6	U	200	184		ug/L		92	52 - 127
Iodomethane	0.24	U	20.0	14.7		ug/L		73	10 - 165
Methylene Chloride	0.27	U	20.0	17.8		ug/L		89	71 - 130
4-Methyl-2-pentanone (MIBK)	2.2	U	200	184		ug/L		92	67 - 131
Styrene	0.22	U	20.0	18.3		ug/L		92	74 - 124
1,1,1,2-Tetrachloroethane	0.21	U	20.0	18.5		ug/L		93	70 - 119
1,1,2,2-Tetrachloroethane	0.25	U	20.0	18.0		ug/L		90	74 - 124
Tetrachloroethene	0.20	U	20.0	19.3		ug/L		97	71 - 133
Toluene	0.24	U	20.0	18.5		ug/L		93	49 - 146
trans-1,4-Dichloro-2-butene	0.47	U	40.0	31.6		ug/L		79	61 - 125
trans-1,2-Dichloroethene	0.25	U	20.0	18.5		ug/L		92	72 - 135
trans-1,3-Dichloropropene	0.20	U	20.0	16.2		ug/L		81	64 - 110
1,1,1-Trichloroethane	0.29	U	20.0	19.2		ug/L		96	85 - 123
1,1,2-Trichloroethane	0.34	U	20.0	18.6		ug/L		93	72 - 120
Trichloroethene	0.26	U	20.0	19.5		ug/L		97	75 - 122
Trichlorofluoromethane	0.24	U	20.0	26.1		ug/L		130	83 - 147
1,2,3-Trichloropropane	0.29	U	20.0	18.5		ug/L		93	78 - 128
Vinyl acetate	0.30	U J	40.0	34.1		ug/L		85	12 - 189
Vinyl chloride	0.29	U	20.0	22.7		ug/L		114	61 - 148
Xylenes, Total	0.68	U	60.0	50.6		ug/L		84	61 - 136

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*85 - 113*
Dibromofluoromethane	*100*		*82 - 114*
Toluene-d8 (Surr)	*102*		*92 - 107*

Lab Sample ID: 640-34882-13 MSD
Matrix: Water
Analysis Batch: 84084

Client Sample ID: MWB-32(I)d
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	3.0	U	200	180		ug/L		90	61 - 131	10	40
Acrylonitrile	5.1	U	400	377		ug/L		94	72 - 123	12	29
Benzene	0.28	U	20.0	20.1		ug/L		101	74 - 125	5	23
Bromoform	0.18	U	20.0	20.2		ug/L		101	52 - 134	7	28
Bromomethane	0.25	U	20.0	17.6		ug/L		88	10 - 182	14	56
2-Butanone (MEK)	3.0	U	200	184		ug/L		92	68 - 120	5	28
Carbon disulfide	0.13	U	20.0	20.5		ug/L		103	52 - 170	8	31
Carbon tetrachloride	0.20	U	20.0	23.2		ug/L		116	73 - 131	11	20
Chlorobenzene	0.27	U	20.0	20.1		ug/L		100	80 - 118	6	20
Chlorobromomethane	0.14	U	20.0	20.1		ug/L		100	63 - 129	14	24
Chlorodibromomethane	0.16	U	20.0	20.9		ug/L		105	64 - 125	4	22
Chloroethane	0.53	U	20.0	21.0		ug/L		105	29 - 148	8	50
Chloroform	0.21	U	20.0	19.7		ug/L		98	78 - 123	6	22

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 640-34882-13 MSD
Matrix: Water
Analysis Batch: 84084

Client Sample ID: MWB-32(I)d
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloromethane	0.28	U	20.0	21.2		ug/L		106	51 - 142	7	27
cis-1,2-Dichloroethene	0.22	U	20.0	19.7		ug/L		98	64 - 134	13	32
cis-1,3-Dichloropropene	0.19	U	20.0	17.6		ug/L		88	67 - 112	10	23
1,2-Dibromo-3-Chloropropane	0.32	U	20.0	21.6		ug/L		108	52 - 135	28	37
Dibromomethane	0.24	U	20.0	20.0		ug/L		100	78 - 118	7	22
1,2-Dichlorobenzene	0.18	U	20.0	19.8		ug/L		99	72 - 130	15	24
1,4-Dichlorobenzene	0.19	U	20.0	20.3		ug/L		101	76 - 122	17	23
Dichlorobromomethane	0.26	U	20.0	20.7		ug/L		104	76 - 119	3	24
1,1-Dichloroethane	0.18	U	20.0	19.3		ug/L		97	71 - 135	7	22
1,2-Dichloroethane	0.28	U	20.0	21.4		ug/L		107	78 - 127	6	22
1,1-Dichloroethene	0.24	U	20.0	21.4		ug/L		107	60 - 151	8	31
1,2-Dichloropropane	0.27	U	20.0	20.6		ug/L		103	76 - 118	9	23
Ethylbenzene	0.25	U	20.0	20.8		ug/L		104	60 - 132	10	24
Ethylene Dibromide	0.25	U	20.0	19.4		ug/L		97	74 - 116	9	24
2-Hexanone	2.6	U	200	193		ug/L		96	52 - 127	5	24
Iodomethane	0.24	U	20.0	15.2		ug/L		76	10 - 165	3	60
Methylene Chloride	0.27	U	20.0	19.1		ug/L		96	71 - 130	8	33
4-Methyl-2-pentanone (MIBK)	2.2	U	200	221		ug/L		111	67 - 131	18	23
Styrene	0.22	U	20.0	20.2		ug/L		101	74 - 124	10	23
1,1,1,2-Tetrachloroethane	0.21	U	20.0	21.0		ug/L		105	70 - 119	12	23
1,1,2,2-Tetrachloroethane	0.25	U	20.0	19.7		ug/L		98	74 - 124	9	24
Tetrachloroethene	0.20	U	20.0	21.5		ug/L		108	71 - 133	11	22
Toluene	0.24	U	20.0	20.7		ug/L		103	49 - 146	11	21
trans-1,4-Dichloro-2-butene	0.47	U	40.0	40.5		ug/L		101	61 - 125	25	50
trans-1,2-Dichloroethene	0.25	U	20.0	20.4		ug/L		102	72 - 135	10	29
trans-1,3-Dichloropropene	0.20	U	20.0	17.5		ug/L		87	64 - 110	8	26
1,1,1-Trichloroethane	0.29	U	20.0	22.3		ug/L		111	85 - 123	15	22
1,1,2-Trichloroethane	0.34	U	20.0	19.6		ug/L		98	72 - 120	5	22
Trichloroethene	0.26	U	20.0	21.5		ug/L		108	75 - 122	10	20
Trichlorofluoromethane	0.24	U	20.0	24.2		ug/L		121	83 - 147	8	28
1,2,3-Trichloropropane	0.29	U	20.0	21.9		ug/L		109	78 - 128	17	25
Vinyl acetate	0.30	U J	40.0	35.1		ug/L		88	12 - 189	3	60
Vinyl chloride	0.29	U	20.0	20.2		ug/L		101	61 - 148	12	27
Xylenes, Total	0.68	U	60.0	56.0		ug/L		93	61 - 136	10	20

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*85 - 113*
Dibromofluoromethane	*98*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Lab Sample ID: MB 640-84107/5
Matrix: Water
Analysis Batch: 84107

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/20/11 21:19	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/20/11 21:19	1
Benzene	0.28	U	1.0	0.28	ug/L			08/20/11 21:19	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/20/11 21:19	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84107/5
Matrix: Water
Analysis Batch: 84107

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.25	U	1.0	0.25	ug/L			08/20/11 21:19	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/20/11 21:19	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/20/11 21:19	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/20/11 21:19	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/20/11 21:19	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/20/11 21:19	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/20/11 21:19	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/20/11 21:19	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/20/11 21:19	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/20/11 21:19	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/20/11 21:19	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/20/11 21:19	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/20/11 21:19	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/20/11 21:19	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/20/11 21:19	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/20/11 21:19	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/20/11 21:19	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/20/11 21:19	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/20/11 21:19	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/20/11 21:19	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/20/11 21:19	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/20/11 21:19	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/20/11 21:19	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/20/11 21:19	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/20/11 21:19	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/20/11 21:19	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/20/11 21:19	1
Styrene	0.22	U	1.0	0.22	ug/L			08/20/11 21:19	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/20/11 21:19	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/20/11 21:19	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/20/11 21:19	1
Toluene	0.24	U	1.0	0.24	ug/L			08/20/11 21:19	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/20/11 21:19	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/20/11 21:19	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/20/11 21:19	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/20/11 21:19	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/20/11 21:19	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/20/11 21:19	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/20/11 21:19	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/20/11 21:19	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/20/11 21:19	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/20/11 21:19	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/20/11 21:19	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/20/11 21:19*	*1*
Dibromofluoromethane	*93*		*82 - 114*		*08/20/11 21:19*	*1*
Toluene-d8 (Surr)	*99*		*92 - 107*		*08/20/11 21:19*	*1*

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84107/3
Matrix: Water
Analysis Batch: 84107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	314		ug/L		105	64 - 132
Acrylonitrile	600	620		ug/L		103	72 - 124
Benzene	30.0	33.9		ug/L		113	80 - 120
Bromoform	30.0	31.2		ug/L		104	64 - 132
Bromomethane	30.0	30.9		ug/L		103	37 - 146
2-Butanone (MEK)	300	332		ug/L		111	66 - 132
Carbon disulfide	30.0	30.7		ug/L		102	72 - 132
Carbon tetrachloride	30.0	35.0		ug/L		117	79 - 126
Chlorobenzene	30.0	32.4		ug/L		108	82 - 116
Chlorobromomethane	30.0	31.5		ug/L		105	72 - 124
Chlorodibromomethane	30.0	33.7		ug/L		112	73 - 125
Chloroethane	30.0	29.0		ug/L		97	47 - 160
Chloroform	30.0	31.7		ug/L		106	81 - 120
Chloromethane	30.0	28.5		ug/L		95	61 - 136
cis-1,2-Dichloroethene	30.0	30.4		ug/L		101	75 - 128
cis-1,3-Dichloropropene	30.0	30.5		ug/L		102	79 - 120
1,2-Dibromo-3-Chloropropane	30.0	34.0		ug/L		113	57 - 128
Dibromomethane	30.0	32.4		ug/L		108	80 - 119
1,2-Dichlorobenzene	30.0	33.7		ug/L		112	83 - 122
1,4-Dichlorobenzene	30.0	32.1		ug/L		107	82 - 119
Dichlorobromomethane	30.0	34.2		ug/L		114	82 - 120
1,1-Dichloroethane	30.0	29.6		ug/L		99	78 - 124
1,2-Dichloroethane	30.0	33.2		ug/L		111	82 - 123
1,1-Dichloroethene	30.0	32.1		ug/L		107	72 - 133
1,2-Dichloropropane	30.0	32.6		ug/L		109	78 - 121
Ethylbenzene	30.0	33.8		ug/L		113	85 - 119
Ethylene Dibromide	30.0	31.8		ug/L		106	78 - 120
2-Hexanone	300	323		ug/L		108	54 - 132
Iodomethane	30.0	27.9		ug/L		93	32 - 169
Methylene Chloride	30.0	29.4		ug/L		98	75 - 125
4-Methyl-2-pentanone (MIBK)	300	343		ug/L		114	67 - 134
Styrene	30.0	33.2		ug/L		111	86 - 121
1,1,1,2-Tetrachloroethane	30.0	33.9		ug/L		113	80 - 118
1,1,2,2-Tetrachloroethane	30.0	31.9		ug/L		106	78 - 118
Tetrachloroethene	30.0	33.7		ug/L		112	81 - 126
Toluene	30.0	33.2		ug/L		111	82 - 122
trans-1,4-Dichloro-2-butene	60.0	59.4		ug/L		99	76 - 128
trans-1,2-Dichloroethene	30.0	30.7		ug/L		102	77 - 128
trans-1,3-Dichloropropene	30.0	30.2		ug/L		101	76 - 122
1,1,1-Trichloroethane	30.0	34.0		ug/L		113	85 - 122
1,1,2-Trichloroethane	30.0	32.3		ug/L		108	76 - 122
Trichloroethene	30.0	33.8		ug/L		113	82 - 121
Trichlorofluoromethane	30.0	32.0		ug/L		107	84 - 139
1,2,3-Trichloropropane	30.0	34.5		ug/L		115	79 - 128
Vinyl acetate	60.0	49.4		ug/L		82	39 - 185
Vinyl chloride	30.0	29.1		ug/L		97	70 - 139
Xylenes, Total	90.0	90.7		ug/L		101	86 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84107/3
Matrix: Water
Analysis Batch: 84107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		85 - 113
Dibromofluoromethane	97		82 - 114
Toluene-d8 (Surr)	101		92 - 107

Lab Sample ID: LCSD 640-84107/4
Matrix: Water
Analysis Batch: 84107

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			300	317		ug/L		106	64 - 132	1	28
Acrylonitrile			600	629		ug/L		105	72 - 124	1	40
Benzene			30.0	32.7		ug/L		109	80 - 120	3	20
Bromoform			30.0	33.0		ug/L		110	64 - 132	6	20
Bromomethane			30.0	32.5		ug/L		108	37 - 146	5	38
2-Butanone (MEK)			300	323		ug/L		108	66 - 132	3	28
Carbon disulfide			30.0	32.5		ug/L		108	72 - 132	6	23
Carbon tetrachloride			30.0	33.9		ug/L		113	79 - 126	3	20
Chlorobenzene			30.0	33.3		ug/L		111	82 - 116	3	20
Chlorobromomethane			30.0	32.7		ug/L		109	72 - 124	4	20
Chlorodibromomethane			30.0	35.1		ug/L		117	73 - 125	4	20
Chloroethane			30.0	29.2		ug/L		97	47 - 160	1	35
Chloroform			30.0	32.9		ug/L		110	81 - 120	4	20
Chloromethane			30.0	30.3		ug/L		101	61 - 136	6	20
cis-1,2-Dichloroethene			30.0	32.0		ug/L		107	75 - 128	5	20
cis-1,3-Dichloropropene			30.0	30.0		ug/L		100	79 - 120	2	20
1,2-Dibromo-3-Chloropropane			30.0	32.8		ug/L		109	57 - 128	3	25
Dibromomethane			30.0	33.2		ug/L		111	80 - 119	3	20
1,2-Dichlorobenzene			30.0	33.8		ug/L		113	83 - 122	0	20
1,4-Dichlorobenzene			30.0	33.3		ug/L		111	82 - 119	4	20
Dichlorobromomethane			30.0	33.3		ug/L		111	82 - 120	3	20
1,1-Dichloroethane			30.0	31.5		ug/L		105	78 - 124	6	20
1,2-Dichloroethane			30.0	32.1		ug/L		107	82 - 123	3	20
1,1-Dichloroethene			30.0	33.0		ug/L		110	72 - 133	3	24
1,2-Dichloropropane			30.0	33.3		ug/L		111	78 - 121	2	20
Ethylbenzene			30.0	35.2		ug/L		117	85 - 119	4	20
Ethylene Dibromide			30.0	31.4		ug/L		105	78 - 120	1	20
2-Hexanone			300	347		ug/L		116	54 - 132	7	32
Iodomethane			30.0	30.1		ug/L		100	32 - 169	8	40
Methylene Chloride			30.0	30.6		ug/L		102	75 - 125	4	22
4-Methyl-2-pentanone (MIBK)			300	339		ug/L		113	67 - 134	1	20
Styrene			30.0	35.4		ug/L		118	86 - 121	6	20
1,1,1,2-Tetrachloroethane			30.0	34.1		ug/L		114	80 - 118	1	20
1,1,2,2-Tetrachloroethane			30.0	32.9		ug/L		110	78 - 118	3	20
Tetrachloroethene			30.0	34.5		ug/L		115	81 - 126	2	20
Toluene			30.0	32.0		ug/L		107	82 - 122	4	20
trans-1,4-Dichloro-2-butene			60.0	59.4		ug/L		99	76 - 128	0	26
trans-1,2-Dichloroethene			30.0	31.0		ug/L		103	77 - 128	1	22
trans-1,3-Dichloropropene			30.0	29.2		ug/L		97	76 - 122	4	20
1,1,1-Trichloroethane			30.0	34.0		ug/L		113	85 - 122	0	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84107/4
Matrix: Water
Analysis Batch: 84107

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane			30.0	32.0		ug/L		107	76 - 122	1	20
Trichloroethene			30.0	33.2		ug/L		111	82 - 121	2	20
Trichlorofluoromethane			30.0	32.6		ug/L		109	84 - 139	2	20
1,2,3-Trichloropropane			30.0	32.9		ug/L		110	79 - 128	5	20
Vinyl acetate			60.0	45.0		ug/L		75	39 - 185	9	27
Vinyl chloride			30.0	30.4		ug/L		101	70 - 139	4	20
Xylenes, Total			90.0	97.5		ug/L		108	86 - 123	7	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*85 - 113*
Dibromofluoromethane	*100*		*82 - 114*
Toluene-d8 (Surr)	*96*		*92 - 107*

Lab Sample ID: 640-34882-31 MS
Matrix: Water
Analysis Batch: 84107

Client Sample ID: MWB-31(D)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	3.0	U	200	164		ug/L		82	61 - 131
Acrylonitrile	5.1	U	400	335		ug/L		84	72 - 123
Benzene	0.28	U	20.0	20.1		ug/L		100	74 - 125
Bromoform	0.18	U	20.0	17.4		ug/L		87	52 - 134
Bromomethane	0.25	U	20.0	15.0		ug/L		75	10 - 182
2-Butanone (MEK)	3.0	U	200	173		ug/L		86	68 - 120
Carbon disulfide	0.13	U	20.0	20.4		ug/L		102	52 - 170
Carbon tetrachloride	0.20	U	20.0	23.1		ug/L		116	73 - 131
Chlorobenzene	0.27	U	20.0	20.8		ug/L		104	80 - 118
Chlorobromomethane	0.14	U	20.0	17.9		ug/L		90	63 - 129
Chlorodibromomethane	0.16	U	20.0	20.6		ug/L		103	64 - 125
Chloroethane	0.53	U	20.0	19.4		ug/L		97	29 - 148
Chloroform	0.21	U	20.0	18.7		ug/L		93	78 - 123
Chloromethane	0.28	U	20.0	21.4		ug/L		107	51 - 142
cis-1,2-Dichloroethene	0.22	U	20.0	18.8		ug/L		94	64 - 134
cis-1,3-Dichloropropene	0.19	U	20.0	15.3		ug/L		76	67 - 112
1,2-Dibromo-3-Chloropropane	0.32	U	20.0	18.3		ug/L		92	52 - 135
Dibromomethane	0.24	U	20.0	19.3		ug/L		97	78 - 118
1,2-Dichlorobenzene	0.18	U	20.0	18.3		ug/L		91	72 - 130
1,4-Dichlorobenzene	0.19	U	20.0	18.8		ug/L		94	76 - 122
Dichlorobromomethane	0.26	U	20.0	20.1		ug/L		101	76 - 119
1,1-Dichloroethane	0.18	U	20.0	18.8		ug/L		94	71 - 135
1,2-Dichloroethane	0.28	U	20.0	20.9		ug/L		104	78 - 127
1,1-Dichloroethene	0.24	U	20.0	21.5		ug/L		107	60 - 151
1,2-Dichloropropane	0.27	U	20.0	19.9		ug/L		99	76 - 118
Ethylbenzene	0.25	U	20.0	21.0		ug/L		105	60 - 132
Ethylene Dibromide	0.25	U	20.0	18.7		ug/L		94	74 - 116
2-Hexanone	2.6	U	200	182		ug/L		91	52 - 127
Iodomethane	0.24	U	20.0	11.2		ug/L		56	10 - 165
Methylene Chloride	0.27	U	20.0	18.2		ug/L		91	71 - 130
4-Methyl-2-pentanone (MIBK)	2.2	U	200	184		ug/L		92	67 - 131

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 640-34882-31 MS
Matrix: Water
Analysis Batch: 84107

Client Sample ID: MWB-31(D)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Styrene	0.22	U	20.0	20.4		ug/L		102	74 - 124
1,1,1,2-Tetrachloroethane	0.21	U	20.0	20.4		ug/L		102	70 - 119
1,1,2,2-Tetrachloroethane	0.25	U	20.0	19.2		ug/L		96	74 - 124
Tetrachloroethene	0.20	U	20.0	21.6		ug/L		108	71 - 133
Toluene	0.24	U	20.0	20.1		ug/L		100	49 - 146
trans-1,4-Dichloro-2-butene	0.47	U	40.0	30.1		ug/L		75	61 - 125
trans-1,2-Dichloroethene	0.25	U	20.0	19.3		ug/L		96	72 - 135
trans-1,3-Dichloropropene	0.20	U	20.0	15.3		ug/L		76	64 - 110
1,1,1-Trichloroethane	0.29	U	20.0	21.5		ug/L		108	85 - 123
1,1,2-Trichloroethane	0.34	U	20.0	19.5		ug/L		97	72 - 120
Trichloroethene	0.26	U	20.0	20.2		ug/L		101	75 - 122
Trichlorofluoromethane	0.24	U	20.0	25.5		ug/L		128	83 - 147
1,2,3-Trichloropropane	0.29	U	20.0	20.0		ug/L		100	78 - 128
Vinyl acetate	0.30	U	40.0	33.2		ug/L		83	12 - 189
Vinyl chloride	0.29	U	20.0	22.0		ug/L		110	61 - 148
Xylenes, Total	0.68	U	60.0	56.8		ug/L		95	61 - 136

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*85 - 113*
Dibromofluoromethane	*96*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Lab Sample ID: 640-34882-31 MSD
Matrix: Water
Analysis Batch: 84107

Client Sample ID: MWB-31(D)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	3.0	U	200	179		ug/L		90	61 - 131	9	40
Acrylonitrile	5.1	U	400	385		ug/L		96	72 - 123	14	29
Benzene	0.28	U	20.0	20.8		ug/L		104	74 - 125	3	23
Bromoform	0.18	U	20.0	23.5	J	ug/L		118	52 - 134	30	28
Bromomethane	0.25	U	20.0	19.1		ug/L		96	10 - 182	24	56
2-Butanone (MEK)	3.0	U	200	197		ug/L		98	68 - 120	13	28
Carbon disulfide	0.13	U	20.0	20.1		ug/L		101	52 - 170	1	31
Carbon tetrachloride	0.20	U	20.0	21.5		ug/L		108	73 - 131	7	20
Chlorobenzene	0.27	U	20.0	21.3		ug/L		106	80 - 118	2	20
Chlorobromomethane	0.14	U	20.0	21.5		ug/L		108	63 - 129	18	24
Chlorodibromomethane	0.16	U	20.0	23.6		ug/L		118	64 - 125	14	22
Chloroethane	0.53	U	20.0	20.8		ug/L		104	29 - 148	7	50
Chloroform	0.21	U	20.0	20.7		ug/L		103	78 - 123	10	22
Chloromethane	0.28	U	20.0	20.0		ug/L		100	51 - 142	6	27
cis-1,2-Dichloroethene	0.22	U	20.0	19.3		ug/L		96	64 - 134	3	32
cis-1,3-Dichloropropene	0.19	U	20.0	17.2		ug/L		86	67 - 112	12	23
1,2-Dibromo-3-Chloropropane	0.32	U	20.0	23.1		ug/L		116	52 - 135	23	37
Dibromomethane	0.24	U	20.0	23.1		ug/L		116	78 - 118	18	22
1,2-Dichlorobenzene	0.18	U	20.0	21.3		ug/L		106	72 - 130	15	24
1,4-Dichlorobenzene	0.19	U	20.0	21.9		ug/L		109	76 - 122	15	23
Dichlorobromomethane	0.26	U	20.0	23.2		ug/L		116	76 - 119	14	24
1,1-Dichloroethane	0.18	U	20.0	20.2		ug/L		101	71 - 135	7	22

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 640-34882-31 MSD
Matrix: Water
Analysis Batch: 84107

Client Sample ID: MWB-31(D)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	0.28	U	20.0	23.7		ug/L		119	78 - 127	13	22
1,1-Dichloroethene	0.24	U	20.0	21.1		ug/L		106	60 - 151	2	31
1,2-Dichloropropane	0.27	U	20.0	22.6		ug/L		113	76 - 118	13	23
Ethylbenzene	0.25	U	20.0	20.8		ug/L		104	60 - 132	1	24
Ethylene Dibromide	0.25	U	20.0	21.6		ug/L		108	74 - 116	14	24
2-Hexanone	2.6	U	200	221		ug/L		111	52 - 127	19	24
Iodomethane	0.24	U	20.0	13.3		ug/L		67	10 - 165	18	60
Methylene Chloride	0.27	U	20.0	18.9		ug/L		94	71 - 130	4	33
4-Methyl-2-pentanone (MIBK)	2.2	U	200	228		ug/L		114	67 - 131	21	23
Styrene	0.22	U	20.0	21.1		ug/L		105	74 - 124	3	23
1,1,1,2-Tetrachloroethane	0.21	U	20.0	22.2		ug/L		111	70 - 119	8	23
1,1,2,2-Tetrachloroethane	0.25	U	20.0	22.0		ug/L		110	74 - 124	14	24
Tetrachloroethene	0.20	U	20.0	21.8		ug/L		109	71 - 133	1	22
Toluene	0.24	U	20.0	20.2		ug/L		101	49 - 146	1	21
trans-1,4-Dichloro-2-butene	0.47	U	40.0	36.1		ug/L		90	61 - 125	18	50
trans-1,2-Dichloroethene	0.25	U	20.0	19.4		ug/L		97	72 - 135	1	29
trans-1,3-Dichloropropene	0.20	U	20.0	16.7		ug/L		83	64 - 110	9	26
1,1,1-Trichloroethane	0.29	U	20.0	22.0		ug/L		110	85 - 123	2	22
1,1,2-Trichloroethane	0.34	U	20.0	21.7		ug/L		109	72 - 120	11	22
Trichloroethene	0.26	U	20.0	21.0		ug/L		105	75 - 122	4	20
Trichlorofluoromethane	0.24	U	20.0	20.4		ug/L		102	83 - 147	22	28
1,2,3-Trichloropropane	0.29	U	20.0	23.8		ug/L		119	78 - 128	18	25
Vinyl acetate	0.30	U	40.0	35.3		ug/L		88	12 - 189	6	60
Vinyl chloride	0.29	U	20.0	19.6		ug/L		98	61 - 148	11	27
Xylenes, Total	0.68	U	60.0	58.7		ug/L		98	61 - 136	3	20

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*85 - 113*
Dibromofluoromethane	*96*		*82 - 114*
Toluene-d8 (Surr)	*94*		*92 - 107*

Lab Sample ID: MB 640-84190/5
Matrix: Water
Analysis Batch: 84190

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/23/11 11:30	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/23/11 11:30	1
Benzene	0.28	U	1.0	0.28	ug/L			08/23/11 11:30	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/23/11 11:30	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/23/11 11:30	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/23/11 11:30	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/23/11 11:30	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/23/11 11:30	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/23/11 11:30	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/23/11 11:30	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/23/11 11:30	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/23/11 11:30	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/23/11 11:30	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84190/5
Matrix: Water
Analysis Batch: 84190

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.28	U	1.0	0.28	ug/L			08/23/11 11:30	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/23/11 11:30	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/23/11 11:30	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/23/11 11:30	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/23/11 11:30	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/23/11 11:30	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/23/11 11:30	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/23/11 11:30	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/23/11 11:30	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/23/11 11:30	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/23/11 11:30	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/23/11 11:30	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/23/11 11:30	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/23/11 11:30	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/23/11 11:30	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/23/11 11:30	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/23/11 11:30	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/23/11 11:30	1
Styrene	0.22	U	1.0	0.22	ug/L			08/23/11 11:30	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/23/11 11:30	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/23/11 11:30	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/23/11 11:30	1
Toluene	0.24	U	1.0	0.24	ug/L			08/23/11 11:30	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/23/11 11:30	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/23/11 11:30	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/23/11 11:30	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/23/11 11:30	1
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/23/11 11:30	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/23/11 11:30	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/23/11 11:30	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/23/11 11:30	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/23/11 11:30	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/23/11 11:30	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/23/11 11:30	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*85 - 113*		*08/23/11 11:30*	*1*
Dibromofluoromethane	*100*		*82 - 114*		*08/23/11 11:30*	*1*
Toluene-d8 (Surr)	*97*		*92 - 107*		*08/23/11 11:30*	*1*

Lab Sample ID: LCS 640-84190/3
Matrix: Water
Analysis Batch: 84190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	331		ug/L		110	64 - 132
Acrylonitrile	600	629		ug/L		105	72 - 124
Benzene	30.0	33.5		ug/L		112	80 - 120
Bromoform	30.0	33.9		ug/L		113	64 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84190/3
Matrix: Water
Analysis Batch: 84190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromomethane	30.0	29.5		ug/L		98	37 - 146
2-Butanone (MEK)	300	342		ug/L		114	66 - 132
Carbon disulfide	30.0	31.7		ug/L		106	72 - 132
Carbon tetrachloride	30.0	34.4		ug/L		115	79 - 126
Chlorobenzene	30.0	31.0		ug/L		103	82 - 116
Chlorobromomethane	30.0	31.6		ug/L		105	72 - 124
Chlorodibromomethane	30.0	33.2		ug/L		111	73 - 125
Chloroethane	30.0	26.5		ug/L		88	47 - 160
Chloroform	30.0	32.3		ug/L		108	81 - 120
Chloromethane	30.0	30.9		ug/L		103	61 - 136
cis-1,2-Dichloroethene	30.0	31.7		ug/L		106	75 - 128
cis-1,3-Dichloropropene	30.0	31.4		ug/L		105	79 - 120
1,2-Dibromo-3-Chloropropane	30.0	30.9		ug/L		103	57 - 128
Dibromomethane	30.0	32.2		ug/L		107	80 - 119
1,2-Dichlorobenzene	30.0	32.7		ug/L		109	83 - 122
1,4-Dichlorobenzene	30.0	31.8		ug/L		106	82 - 119
Dichlorobromomethane	30.0	33.8		ug/L		113	82 - 120
1,1-Dichloroethane	30.0	30.7		ug/L		102	78 - 124
1,2-Dichloroethane	30.0	31.2		ug/L		104	82 - 123
1,1-Dichloroethene	30.0	32.3		ug/L		108	72 - 133
1,2-Dichloropropane	30.0	33.0		ug/L		110	78 - 121
Ethylbenzene	30.0	32.2		ug/L		107	85 - 119
Ethylene Dibromide	30.0	32.0		ug/L		107	78 - 120
2-Hexanone	300	328		ug/L		109	54 - 132
Iodomethane	30.0	25.3		ug/L		84	32 - 169
Methylene Chloride	30.0	28.2		ug/L		94	75 - 125
4-Methyl-2-pentanone (MIBK)	300	344		ug/L		115	67 - 134
Styrene	30.0	33.1		ug/L		110	86 - 121
1,1,1,2-Tetrachloroethane	30.0	32.5		ug/L		108	80 - 118
1,1,2,2-Tetrachloroethane	30.0	33.0		ug/L		110	78 - 118
Tetrachloroethene	30.0	33.9		ug/L		113	81 - 126
Toluene	30.0	32.6		ug/L		109	82 - 122
trans-1,4-Dichloro-2-butene	60.0	65.6		ug/L		109	76 - 128
trans-1,2-Dichloroethene	30.0	31.1		ug/L		104	77 - 128
trans-1,3-Dichloropropene	30.0	31.8		ug/L		106	76 - 122
1,1,1-Trichloroethane	30.0	34.1		ug/L		114	85 - 122
1,1,2-Trichloroethane	30.0	33.1		ug/L		110	76 - 122
Trichloroethene	30.0	32.1		ug/L		107	82 - 121
Trichlorofluoromethane	30.0	31.8		ug/L		106	84 - 139
1,2,3-Trichloropropane	30.0	33.1		ug/L		110	79 - 128
Vinyl acetate	60.0	60.0		ug/L		100	39 - 185
Vinyl chloride	30.0	30.7		ug/L		102	70 - 139
Xylenes, Total	90.0	92.6		ug/L		103	86 - 123

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*85 - 113*
Dibromofluoromethane	*100*		*82 - 114*
Toluene-d8 (Surr)	*100*		*92 - 107*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84190/4
Matrix: Water
Analysis Batch: 84190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	300	332		ug/L		111	64 - 132	0	28
Acrylonitrile	600	666		ug/L		111	72 - 124	6	40
Benzene	30.0	34.1		ug/L		114	80 - 120	2	20
Bromoform	30.0	33.8		ug/L		113	64 - 132	0	20
Bromomethane	30.0	32.0		ug/L		107	37 - 146	8	38
2-Butanone (MEK)	300	326		ug/L		109	66 - 132	5	28
Carbon disulfide	30.0	32.3		ug/L		108	72 - 132	2	23
Carbon tetrachloride	30.0	35.3		ug/L		118	79 - 126	3	20
Chlorobenzene	30.0	32.2		ug/L		107	82 - 116	4	20
Chlorobromomethane	30.0	33.5		ug/L		112	72 - 124	6	20
Chlorodibromomethane	30.0	33.9		ug/L		113	73 - 125	2	20
Chloroethane	30.0	33.6		ug/L		112	47 - 160	24	35
Chloroform	30.0	34.0		ug/L		113	81 - 120	5	20
Chloromethane	30.0	31.6		ug/L		105	61 - 136	2	20
cis-1,2-Dichloroethene	30.0	32.4		ug/L		108	75 - 128	2	20
cis-1,3-Dichloropropene	30.0	31.4		ug/L		105	79 - 120	0	20
1,2-Dibromo-3-Chloropropane	30.0	32.8		ug/L		109	57 - 128	6	25
Dibromomethane	30.0	31.7		ug/L		106	80 - 119	2	20
1,2-Dichlorobenzene	30.0	34.1		ug/L		114	83 - 122	4	20
1,4-Dichlorobenzene	30.0	33.6		ug/L		112	82 - 119	6	20
Dichlorobromomethane	30.0	33.3		ug/L		111	82 - 120	2	20
1,1-Dichloroethane	30.0	32.1		ug/L		107	78 - 124	4	20
1,2-Dichloroethane	30.0	32.0		ug/L		107	82 - 123	3	20
1,1-Dichloroethene	30.0	33.9		ug/L		113	72 - 133	5	24
1,2-Dichloropropane	30.0	32.1		ug/L		107	78 - 121	3	20
Ethylbenzene	30.0	34.6		ug/L		115	85 - 119	7	20
Ethylene Dibromide	30.0	32.8		ug/L		109	78 - 120	3	20
2-Hexanone	300	336		ug/L		112	54 - 132	2	32
Iodomethane	30.0	28.8		ug/L		96	32 - 169	13	40
Methylene Chloride	30.0	31.5		ug/L		105	75 - 125	11	22
4-Methyl-2-pentanone (MIBK)	300	351		ug/L		117	67 - 134	2	20
Styrene	30.0	34.1		ug/L		114	86 - 121	3	20
1,1,1,2-Tetrachloroethane	30.0	34.1		ug/L		114	80 - 118	5	20
1,1,2,2-Tetrachloroethane	30.0	32.7		ug/L		109	78 - 118	1	20
Tetrachloroethene	30.0	34.9		ug/L		116	81 - 126	3	20
Toluene	30.0	32.7		ug/L		109	82 - 122	0	20
trans-1,4-Dichloro-2-butene	60.0	67.0		ug/L		112	76 - 128	2	26
trans-1,2-Dichloroethene	30.0	32.8		ug/L		109	77 - 128	5	22
trans-1,3-Dichloropropene	30.0	32.2		ug/L		107	76 - 122	1	20
1,1,1-Trichloroethane	30.0	34.2		ug/L		114	85 - 122	0	20
1,1,2-Trichloroethane	30.0	32.8		ug/L		109	76 - 122	1	20
Trichloroethene	30.0	33.4		ug/L		111	82 - 121	4	20
Trichlorofluoromethane	30.0	34.6		ug/L		115	84 - 139	9	20
1,2,3-Trichloropropane	30.0	33.1		ug/L		110	79 - 128	0	20
Vinyl acetate	60.0	61.1		ug/L		102	39 - 185	2	27
Vinyl chloride	30.0	32.1		ug/L		107	70 - 139	4	20
Xylenes, Total	90.0	96.2		ug/L		107	86 - 123	4	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84190/4
Matrix: Water
Analysis Batch: 84190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*98*		*85 - 113*
Dibromofluoromethane	*102*		*82 - 114*
Toluene-d8 (Surr)	*98*		*92 - 107*

Lab Sample ID: MB 640-84216/4
Matrix: Water
Analysis Batch: 84216

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	25	3.0	ug/L			08/24/11 12:13	1
Acrylonitrile	5.1	U	20	5.1	ug/L			08/24/11 12:13	1
Benzene	0.28	U	1.0	0.28	ug/L			08/24/11 12:13	1
Bromoform	0.18	U	1.0	0.18	ug/L			08/24/11 12:13	1
Bromomethane	0.25	U	1.0	0.25	ug/L			08/24/11 12:13	1
2-Butanone (MEK)	3.0	U	10	3.0	ug/L			08/24/11 12:13	1
Carbon disulfide	0.13	U	1.0	0.13	ug/L			08/24/11 12:13	1
Carbon tetrachloride	0.20	U	1.0	0.20	ug/L			08/24/11 12:13	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			08/24/11 12:13	1
Chlorobromomethane	0.14	U	1.0	0.14	ug/L			08/24/11 12:13	1
Chlorodibromomethane	0.16	U	1.0	0.16	ug/L			08/24/11 12:13	1
Chloroethane	0.53	U	1.0	0.53	ug/L			08/24/11 12:13	1
Chloroform	0.21	U	1.0	0.21	ug/L			08/24/11 12:13	1
Chloromethane	0.28	U	1.0	0.28	ug/L			08/24/11 12:13	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			08/24/11 12:13	1
cis-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			08/24/11 12:13	1
1,2-Dibromo-3-Chloropropane	0.32	U	1.0	0.32	ug/L			08/24/11 12:13	1
Dibromomethane	0.24	U	1.0	0.24	ug/L			08/24/11 12:13	1
1,2-Dichlorobenzene	0.18	U	1.0	0.18	ug/L			08/24/11 12:13	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			08/24/11 12:13	1
Dichlorobromomethane	0.26	U	1.0	0.26	ug/L			08/24/11 12:13	1
1,1-Dichloroethane	0.18	U	1.0	0.18	ug/L			08/24/11 12:13	1
1,2-Dichloroethane	0.28	U	1.0	0.28	ug/L			08/24/11 12:13	1
1,1-Dichloroethene	0.24	U	1.0	0.24	ug/L			08/24/11 12:13	1
1,2-Dichloropropane	0.27	U	1.0	0.27	ug/L			08/24/11 12:13	1
Ethylbenzene	0.25	U	1.0	0.25	ug/L			08/24/11 12:13	1
Ethylene Dibromide	0.25	U	1.0	0.25	ug/L			08/24/11 12:13	1
2-Hexanone	2.6	U	10	2.6	ug/L			08/24/11 12:13	1
Iodomethane	0.24	U	5.0	0.24	ug/L			08/24/11 12:13	1
Methylene Chloride	0.27	U	5.0	0.27	ug/L			08/24/11 12:13	1
4-Methyl-2-pentanone (MIBK)	2.2	U	10	2.2	ug/L			08/24/11 12:13	1
Styrene	0.22	U	1.0	0.22	ug/L			08/24/11 12:13	1
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			08/24/11 12:13	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	ug/L			08/24/11 12:13	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			08/24/11 12:13	1
Toluene	0.24	U	1.0	0.24	ug/L			08/24/11 12:13	1
trans-1,4-Dichloro-2-butene	0.47	U	2.0	0.47	ug/L			08/24/11 12:13	1
trans-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			08/24/11 12:13	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/24/11 12:13	1
1,1,1-Trichloroethane	0.29	U	1.0	0.29	ug/L			08/24/11 12:13	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 640-84216/4
Matrix: Water
Analysis Batch: 84216

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.34	U	1.0	0.34	ug/L			08/24/11 12:13	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			08/24/11 12:13	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			08/24/11 12:13	1
1,2,3-Trichloropropane	0.29	U	1.0	0.29	ug/L			08/24/11 12:13	1
Vinyl acetate	0.30	U	2.0	0.30	ug/L			08/24/11 12:13	1
Vinyl chloride	0.29	U	1.0	0.29	ug/L			08/24/11 12:13	1
Xylenes, Total	0.68	U	2.0	0.68	ug/L			08/24/11 12:13	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*85 - 113*		*08/24/11 12:13*	*1*
Dibromofluoromethane	*103*		*82 - 114*		*08/24/11 12:13*	*1*
Toluene-d8 (Surr)	*98*		*92 - 107*		*08/24/11 12:13*	*1*

Lab Sample ID: LCS 640-84216/2
Matrix: Water
Analysis Batch: 84216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	300	297		ug/L		99	64 - 132
Acrylonitrile	600	565		ug/L		94	72 - 124
Benzene	30.0	28.3		ug/L		94	80 - 120
Bromoform	30.0	26.5		ug/L		88	64 - 132
Bromomethane	30.0	18.3		ug/L		61	37 - 146
2-Butanone (MEK)	300	279		ug/L		93	66 - 132
Carbon disulfide	30.0	33.7		ug/L		112	72 - 132
Carbon tetrachloride	30.0	27.5		ug/L		92	79 - 126
Chlorobenzene	30.0	28.8		ug/L		96	82 - 116
Chlorobromomethane	30.0	30.7		ug/L		102	72 - 124
Chlorodibromomethane	30.0	26.9		ug/L		90	73 - 125
Chloroethane	30.0	27.8		ug/L		93	47 - 160
Chloroform	30.0	29.7		ug/L		99	81 - 120
Chloromethane	30.0	25.6		ug/L		85	61 - 136
cis-1,2-Dichloroethene	30.0	30.6		ug/L		102	75 - 128
cis-1,3-Dichloropropene	30.0	27.7		ug/L		92	79 - 120
1,2-Dibromo-3-Chloropropane	30.0	26.6		ug/L		89	57 - 128
Dibromomethane	30.0	27.8		ug/L		93	80 - 119
1,2-Dichlorobenzene	30.0	28.7		ug/L		96	83 - 122
1,4-Dichlorobenzene	30.0	29.3		ug/L		98	82 - 119
Dichlorobromomethane	30.0	27.2		ug/L		91	82 - 120
1,1-Dichloroethane	30.0	29.3		ug/L		98	78 - 124
1,2-Dichloroethane	30.0	26.6		ug/L		89	82 - 123
1,1-Dichloroethene	30.0	29.5		ug/L		98	72 - 133
1,2-Dichloropropane	30.0	27.5		ug/L		92	78 - 121
Ethylbenzene	30.0	28.0		ug/L		93	85 - 119
Ethylene Dibromide	30.0	27.9		ug/L		93	78 - 120
2-Hexanone	300	254		ug/L		85	54 - 132
Iodomethane	30.0	22.2		ug/L		74	32 - 169
Methylene Chloride	30.0	30.3		ug/L		101	75 - 125
4-Methyl-2-pentanone (MIBK)	300	270		ug/L		90	67 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 640-84216/2
Matrix: Water
Analysis Batch: 84216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Styrene	30.0	28.7		ug/L		96	86 - 121
1,1,1,2-Tetrachloroethane	30.0	31.0		ug/L		103	80 - 118
1,1,2,2-Tetrachloroethane	30.0	26.5		ug/L		88	78 - 118
Tetrachloroethene	30.0	29.3		ug/L		98	81 - 126
Toluene	30.0	28.7		ug/L		96	82 - 122
trans-1,4-Dichloro-2-butene	60.0	56.6		ug/L		94	76 - 128
trans-1,2-Dichloroethene	30.0	30.8		ug/L		103	77 - 128
trans-1,3-Dichloropropene	30.0	27.1		ug/L		90	76 - 122
1,1,1-Trichloroethane	30.0	27.8		ug/L		93	85 - 122
1,1,2-Trichloroethane	30.0	27.7		ug/L		92	76 - 122
Trichloroethene	30.0	28.2		ug/L		94	82 - 121
Trichlorofluoromethane	30.0	29.8		ug/L		99	84 - 139
1,2,3-Trichloropropane	30.0	27.0		ug/L		90	79 - 128
Vinyl acetate	60.0	53.2		ug/L		89	39 - 185
Vinyl chloride	30.0	27.4		ug/L		91	70 - 139
Xylenes, Total	90.0	95.7		ug/L		106	86 - 123

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*85 - 113*
Dibromofluoromethane	*104*		*82 - 114*
Toluene-d8 (Surr)	*99*		*92 - 107*

Lab Sample ID: LCSD 640-84216/3
Matrix: Water
Analysis Batch: 84216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	300	298		ug/L		99	64 - 132	1	28
Acrylonitrile	600	568		ug/L		95	72 - 124	1	40
Benzene	30.0	28.5		ug/L		95	80 - 120	1	20
Bromoform	30.0	26.0		ug/L		87	64 - 132	2	20
Bromomethane	30.0	22.9		ug/L		76	37 - 146	22	38
2-Butanone (MEK)	300	283		ug/L		94	66 - 132	1	28
Carbon disulfide	30.0	34.2		ug/L		114	72 - 132	1	23
Carbon tetrachloride	30.0	27.4		ug/L		91	79 - 126	0	20
Chlorobenzene	30.0	28.5		ug/L		95	82 - 116	1	20
Chlorobromomethane	30.0	31.6		ug/L		105	72 - 124	3	20
Chlorodibromomethane	30.0	26.6		ug/L		89	73 - 125	1	20
Chloroethane	30.0	29.0		ug/L		97	47 - 160	4	35
Chloroform	30.0	30.1		ug/L		100	81 - 120	1	20
Chloromethane	30.0	26.7		ug/L		89	61 - 136	4	20
cis-1,2-Dichloroethene	30.0	31.2		ug/L		104	75 - 128	2	20
cis-1,3-Dichloropropene	30.0	27.8		ug/L		93	79 - 120	0	20
1,2-Dibromo-3-Chloropropane	30.0	26.4		ug/L		88	57 - 128	1	25
Dibromomethane	30.0	28.6		ug/L		95	80 - 119	3	20
1,2-Dichlorobenzene	30.0	28.9		ug/L		96	83 - 122	1	20
1,4-Dichlorobenzene	30.0	29.5		ug/L		98	82 - 119	1	20
Dichlorobromomethane	30.0	27.2		ug/L		91	82 - 120	0	20
1,1-Dichloroethane	30.0	29.8		ug/L		99	78 - 124	2	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 640-84216/3
Matrix: Water
Analysis Batch: 84216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane			30.0	26.8		ug/L		89	82 - 123	1	20
1,1-Dichloroethene			30.0	29.8		ug/L		99	72 - 133	1	24
1,2-Dichloropropane			30.0	27.8		ug/L		93	78 - 121	1	20
Ethylbenzene			30.0	27.7		ug/L		92	85 - 119	1	20
Ethylene Dibromide			30.0	28.3		ug/L		94	78 - 120	2	20
2-Hexanone			300	251		ug/L		84	54 - 132	1	32
Iodomethane			30.0	29.5		ug/L		98	32 - 169	28	40
Methylene Chloride			30.0	31.1		ug/L		104	75 - 125	3	22
4-Methyl-2-pentanone (MIBK)			300	270		ug/L		90	67 - 134	0	20
Styrene			30.0	28.5		ug/L		95	86 - 121	0	20
1,1,1,2-Tetrachloroethane			30.0	30.4		ug/L		101	80 - 118	2	20
1,1,2,2-Tetrachloroethane			30.0	27.1		ug/L		90	78 - 118	2	20
Tetrachloroethene			30.0	29.0		ug/L		97	81 - 126	1	20
Toluene			30.0	28.8		ug/L		96	82 - 122	1	20
trans-1,4-Dichloro-2-butene			60.0	56.9		ug/L		95	76 - 128	1	26
trans-1,2-Dichloroethene			30.0	31.7		ug/L		106	77 - 128	3	22
trans-1,3-Dichloropropene			30.0	27.2		ug/L		91	76 - 122	0	20
1,1,1-Trichloroethane			30.0	27.6		ug/L		92	85 - 122	1	20
1,1,2-Trichloroethane			30.0	27.8		ug/L		93	76 - 122	0	20
Trichloroethene			30.0	28.8		ug/L		96	82 - 121	2	20
Trichlorofluoromethane			30.0	31.3		ug/L		104	84 - 139	5	20
1,2,3-Trichloropropane			30.0	27.1		ug/L		90	79 - 128	0	20
Vinyl acetate			60.0	55.2		ug/L		92	39 - 185	4	27
Vinyl chloride			30.0	28.6		ug/L		95	70 - 139	4	20
Xylenes, Total			90.0	95.3		ug/L		106	86 - 123	0	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*85 - 113*
Dibromofluoromethane	*106*		*82 - 114*
Toluene-d8 (Surr)	*100*		*92 - 107*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 640-84262/10-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84262

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0061	U	0.020	0.0061	ug/L		08/25/11 10:16	08/25/11 19:16	1
EDB	0.0065	U	0.020	0.0065	ug/L		08/25/11 10:16	08/25/11 19:16	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*112*		*56 - 144*	*08/25/11 10:16*	*08/25/11 19:16*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCS 640-84262/11-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
DBCP			0.250	0.257		ug/L		103	89 - 132		
EDB			0.250	0.245		ug/L		98	85 - 118		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*86*		*56 - 144*

Lab Sample ID: LCSD 640-84262/12-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
DBCP			0.250	0.273		ug/L		109	89 - 132	6	11
EDB			0.250	0.263		ug/L		105	85 - 118	7	12

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*

Lab Sample ID: 640-34882-1 MS
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-27(I)c
Prep Type: Total/NA
Prep Batch: 84262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
DBCP	0.0057	U	0.250	0.263		ug/L		105	89 - 132		
EDB	0.0061	U	0.250	0.266		ug/L		106	85 - 118		

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*104*		*56 - 144*

Lab Sample ID: 640-34882-1 MSD
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-27(I)c
Prep Type: Total/NA
Prep Batch: 84262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
DBCP	0.0057	U	0.250	0.269		ug/L		108	89 - 132	2	11
EDB	0.0061	U	0.250	0.245		ug/L		98	85 - 118	8	12

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*99*		*56 - 144*

Lab Sample ID: MB 640-84266/1-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84266

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0061	U	0.020	0.0061	ug/L		08/25/11 10:56	08/26/11 02:09	1
EDB	0.0065	U	0.020	0.0065	ug/L		08/25/11 10:56	08/26/11 02:09	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: MB 640-84266/1-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84266

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	96		56 - 144	08/25/11 10:56	08/26/11 02:09	1

Lab Sample ID: LCS 640-84266/2-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84266

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
DBCP			0.250	0.268		ug/L		107	89 - 132		
EDB			0.250	0.265		ug/L		106	85 - 118		

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,1,1,2-Tetrachloroethane	120		56 - 144

Lab Sample ID: LCSD 640-84266/3-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84266

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
DBCP			0.250	0.275		ug/L		110	89 - 132	3	11
EDB			0.250	0.276		ug/L		110	85 - 118	4	12

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
1,1,1,2-Tetrachloroethane	114		56 - 144

Lab Sample ID: 640-34882-21 MS
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-29(D)c
Prep Type: Total/NA
Prep Batch: 84266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
DBCP	0.0058	U	0.250	0.246		ug/L		99	89 - 132		
EDB	0.0062	U	0.250	0.234		ug/L		93	85 - 118		

Surrogate	MS % Recovery	MS Qualifier	Limits
1,1,1,2-Tetrachloroethane	122		56 - 144

Lab Sample ID: 640-34882-21 MSD
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-29(D)c
Prep Type: Total/NA
Prep Batch: 84266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
DBCP	0.0058	U	0.250	0.247		ug/L		99	89 - 132	0	11
EDB	0.0062	U	0.250	0.230		ug/L		92	85 - 118	1	12

Surrogate	MSD % Recovery	MSD Qualifier	Limits
1,1,1,2-Tetrachloroethane	114		56 - 144

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: MB 640-84267/1-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84267

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DBCP	0.0061	U	0.020	0.0061	ug/L		08/25/11 11:02	08/26/11 11:09	1
EDB	0.0065	U	0.020	0.0065	ug/L		08/25/11 11:02	08/26/11 11:09	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*	*08/25/11 11:02*	*08/26/11 11:09*	*1*

Lab Sample ID: LCS 640-84267/2-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84267

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
DBCP			0.250	0.275		ug/L		110	89 - 132		
EDB			0.250	0.275		ug/L		110	85 - 118		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*113*		*56 - 144*

Lab Sample ID: LCSD 640-84267/3-A
Matrix: Water
Analysis Batch: 84346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84267

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
DBCP			0.250	0.294		ug/L		118	89 - 132	7	11
EDB			0.250	0.284		ug/L		114	85 - 118	3	12

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*103*		*56 - 144*

Lab Sample ID: 640-34894-1 MS
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-12(D)c
Prep Type: Total/NA
Prep Batch: 84267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
DBCP	0.013	I	0.500	0.606		ug/L		119	89 - 132		
EDB	0.013	I	0.500	0.575		ug/L		112	85 - 118		

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*118*		*56 - 144*

Lab Sample ID: 640-34894-1 MSD
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-12(D)c
Prep Type: Total/NA
Prep Batch: 84267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
DBCP	0.013	I	0.500	0.609		ug/L		119	89 - 132	1	11
EDB	0.013	I	0.500	0.593		ug/L		116	85 - 118	3	12

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: 640-34894-1 MSD
Matrix: Water
Analysis Batch: 84346

Client Sample ID: MWB-12(D)c
Prep Type: Total/NA
Prep Batch: 84267

Surrogate	MSD % Recovery	MSD Qualifier	Limits
1,1,1,2-Tetrachloroethane	114		56 - 144

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 400-137847/1-A
Matrix: Water
Analysis Batch: 137906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137847

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00050	0.00020	ug/L		08/25/11 07:47	08/25/11 08:57	1

Lab Sample ID: LCS 400-137847/2-A
Matrix: Water
Analysis Batch: 137906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.00500	0.00457		ug/L		91	79 - 121

Lab Sample ID: LCSD 400-137847/3-A
Matrix: Water
Analysis Batch: 137906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.00500	0.00465		ug/L		93	79 - 121	2	20

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 700-104790/1-A
Matrix: Water
Analysis Batch: 104854

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104790

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.00	I	50	2.7	ug/L		08/19/11 12:25	08/22/11 16:24	1
Sodium	0.71	U	1.0	0.71	mg/L		08/19/11 12:25	08/22/11 16:24	1

Lab Sample ID: LCS 700-104790/2-A
Matrix: Water
Analysis Batch: 104854

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104790

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	1000	1020		ug/L		102	80 - 120
Sodium	2.00	2.17		mg/L		109	80 - 120

Lab Sample ID: LCSD 700-104790/3-A
Matrix: Water
Analysis Batch: 104854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104790

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Iron	1000	1010		ug/L		101	80 - 120	1	20
Sodium	2.00	2.14		mg/L		107	80 - 120	1	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 640-34882-1 MS
Matrix: Water
Analysis Batch: 104854

Client Sample ID: MWB-27(I)c
Prep Type: Total Recoverable
Prep Batch: 104790

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	490	V	1000	1480		ug/L		98	75 - 125
Sodium	3.5		2.00	5.29		mg/L		92	75 - 125

Lab Sample ID: 640-34882-1 MSD
Matrix: Water
Analysis Batch: 104854

Client Sample ID: MWB-27(I)c
Prep Type: Total Recoverable
Prep Batch: 104790

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Iron	490	V	1000	1540		ug/L		105	75 - 125	4	20
Sodium	3.5		2.00	5.43		mg/L		99	75 - 125	3	20

Lab Sample ID: 640-34882-20 MS
Matrix: Water
Analysis Batch: 104854

Client Sample ID: MWB-29(I)c
Prep Type: Total Recoverable
Prep Batch: 104790

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	400	V	1000	2040	J	ug/L		164	75 - 125
Sodium	3.3		2.00	5.41		mg/L		104	75 - 125

Lab Sample ID: MB 700-104811/1-A
Matrix: Water
Analysis Batch: 104854

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104811

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.7	U	50	2.7	ug/L		08/22/11 08:40	08/22/11 18:44	1
Sodium	0.71	U	1.0	0.71	mg/L		08/22/11 08:40	08/22/11 18:44	1

Lab Sample ID: LCS 700-104811/2-A
Matrix: Water
Analysis Batch: 104854

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	1000	1040		ug/L		104	80 - 120
Sodium	2.00	2.02		mg/L		101	80 - 120

Lab Sample ID: LCSD 700-104811/3-A
Matrix: Water
Analysis Batch: 104854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104811

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Iron	1000	1010		ug/L		101	80 - 120	3	20
Sodium	2.00	1.98		mg/L		99	80 - 120	2	20

Lab Sample ID: 640-34882-21 MS
Matrix: Water
Analysis Batch: 104854

Client Sample ID: MWB-29(D)c
Prep Type: Total Recoverable
Prep Batch: 104811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	720		1000	1670		ug/L		95	75 - 125
Sodium	3.9		2.00	5.44		mg/L		79	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 640-34882-21 MSD — **Client Sample ID: MWB-29(D)c**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104854 — **Prep Batch: 104811**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Iron	720		1000	1680		ug/L		96	75 - 125	1	20
Sodium	3.9		2.00	5.46		mg/L		80	75 - 125	0	20

Lab Sample ID: MB 700-104869/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104932 — **Prep Batch: 104869**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.7	U	50	2.7	ug/L		08/22/11 14:10	08/23/11 13:44	1
Sodium	0.71	U	1.0	0.71	mg/L		08/22/11 14:10	08/23/11 13:44	1

Lab Sample ID: LCS 700-104869/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104932 — **Prep Batch: 104869**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	1000	994		ug/L		99	80 - 120
Sodium	2.00	2.10		mg/L		105	80 - 120

Lab Sample ID: LCSD 700-104869/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104932 — **Prep Batch: 104869**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Iron	1000	990		ug/L		99	80 - 120	0	20
Sodium	2.00	2.09		mg/L		105	80 - 120	0	20

Lab Sample ID: 640-34897-1 MS — **Client Sample ID: SW-1**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104932 — **Prep Batch: 104869**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Iron	330		1000	1330		ug/L		100	75 - 125
Sodium	8.9		2.00	11.0		mg/L		104	75 - 125

Lab Sample ID: 640-34897-1 MSD — **Client Sample ID: SW-1**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104932 — **Prep Batch: 104869**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Iron	330		1000	1350		ug/L		102	75 - 125	1	20
Sodium	8.9		2.00	11.1		mg/L		111	75 - 125	1	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 700-104773/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104834 — **Prep Batch: 104773**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 11:00	08/19/11 21:21	5

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 700-104773/1-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 11:00	08/19/11 21:21	5
Barium	0.42	U	2.5	0.42	ug/L		08/19/11 11:00	08/19/11 21:21	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 11:00	08/19/11 21:21	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 11:00	08/19/11 21:21	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 11:00	08/19/11 21:21	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 11:00	08/19/11 21:21	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 11:00	08/19/11 21:21	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 11:00	08/19/11 21:21	5
Nickel	1.22	I	2.5	0.70	ug/L		08/19/11 11:00	08/19/11 21:21	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 11:00	08/19/11 21:21	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 11:00	08/19/11 21:21	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 11:00	08/19/11 21:21	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 11:00	08/19/11 21:21	5
Zinc	14	U	20	14	ug/L		08/19/11 11:00	08/19/11 21:21	5

Lab Sample ID: LCS 700-104773/2-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	100	101		ug/L		101	75 - 125
Arsenic	100	97.8		ug/L		98	75 - 125
Barium	100	106		ug/L		106	75 - 125
Beryllium	100	105		ug/L		105	75 - 125
Cadmium	100	101		ug/L		101	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	100	104		ug/L		104	75 - 125
Copper	100	103		ug/L		103	75 - 125
Lead	100	102		ug/L		102	75 - 125
Nickel	100	103		ug/L		103	75 - 125
Selenium	100	91.6		ug/L		92	75 - 125
Silver	100	81.0		ug/L		81	75 - 125
Thallium	100	107		ug/L		107	75 - 125
Vanadium	100	102		ug/L		102	75 - 125
Zinc	100	106		ug/L		106	75 - 125

Lab Sample ID: LCSD 700-104773/3-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	100	103		ug/L		103	75 - 125	2	20
Arsenic	100	101		ug/L		101	75 - 125	3	20
Barium	100	105		ug/L		105	75 - 125	0	20
Beryllium	100	105		ug/L		105	75 - 125	0	20
Cadmium	100	102		ug/L		102	75 - 125	1	20
Chromium	100	106		ug/L		106	75 - 125	3	20
Cobalt	100	108		ug/L		108	75 - 125	5	20
Copper	100	105		ug/L		105	75 - 125	2	20
Lead	100	104		ug/L		104	75 - 125	2	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 700-104773/3-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nickel			100	108		ug/L		108	75 - 125	5	20
Selenium			100	98.6		ug/L		99	75 - 125	7	20
Silver			100	81.0		ug/L		81	75 - 125	0	20
Thallium			100	109		ug/L		109	75 - 125	2	20
Vanadium			100	106		ug/L		106	75 - 125	3	20
Zinc			100	106		ug/L		106	75 - 125	0	20

Lab Sample ID: 640-34882-1 MS
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-27(I)c
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	0.84	U	100	99.0		ug/L		99	70 - 130
Arsenic	0.66	U	100	96.7		ug/L		97	70 - 130
Barium	56		100	159		ug/L		103	70 - 130
Beryllium	0.37	U	100	103		ug/L		103	70 - 130
Cadmium	0.59	U	100	100		ug/L		100	70 - 130
Chromium	0.63	U	100	102		ug/L		102	70 - 130
Cobalt	0.25	U	100	104		ug/L		104	70 - 130
Copper	1.9	U	100	105		ug/L		105	70 - 130
Lead	0.36	I	100	102		ug/L		101	70 - 130
Nickel	1.4	I V	100	104		ug/L		102	70 - 130
Selenium	0.33	U	100	91.6		ug/L		92	70 - 130
Silver	0.063	U	100	79.3		ug/L		79	70 - 130
Thallium	0.50	U	100	106		ug/L		106	70 - 130
Vanadium	2.2	U	100	103		ug/L		103	70 - 130
Zinc	14	U	100	106		ug/L		106	70 - 130

Lab Sample ID: 640-34882-1 MSD
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-27(I)c
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	0.84	U	100	103		ug/L		103	70 - 130	4	20
Arsenic	0.66	U	100	103		ug/L		103	70 - 130	6	20
Barium	56		100	167		ug/L		111	70 - 130	5	20
Beryllium	0.37	U	100	108		ug/L		108	70 - 130	4	20
Cadmium	0.59	U	100	106		ug/L		106	70 - 130	6	20
Chromium	0.63	U	100	109		ug/L		109	70 - 130	7	20
Cobalt	0.25	U	100	110		ug/L		110	70 - 130	5	20
Copper	1.9	U	100	132	J	ug/L		132	70 - 130	23	20
Lead	0.36	I	100	106		ug/L		106	70 - 130	5	20
Nickel	1.4	I V	100	108		ug/L		107	70 - 130	4	20
Selenium	0.33	U	100	92.8		ug/L		93	70 - 130	1	20
Silver	0.063	U	100	81.6		ug/L		82	70 - 130	3	20
Thallium	0.50	U	100	112		ug/L		112	70 - 130	6	20
Vanadium	2.2	U	100	108		ug/L		108	70 - 130	5	20
Zinc	14	U	100	107		ug/L		107	70 - 130	1	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-34882-20 MS
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-29(I)c
Prep Type: Total Recoverable
Prep Batch: 104773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	0.84	U	100	102		ug/L		102	70 - 130
Arsenic	0.66	U	100	97.3		ug/L		97	70 - 130
Barium	44		100	152		ug/L		108	70 - 130
Beryllium	0.37	U	100	105		ug/L		105	70 - 130
Cadmium	0.59	U	100	102		ug/L		102	70 - 130
Chromium	0.63	U	100	106		ug/L		106	70 - 130
Cobalt	0.25	U	100	107		ug/L		107	70 - 130
Copper	1.9	U	100	104		ug/L		104	70 - 130
Lead	0.74	I	100	104		ug/L		103	70 - 130
Nickel	1.6	I V	100	108		ug/L		107	70 - 130
Selenium	0.33	U	100	93.6		ug/L		94	70 - 130
Silver	0.063	U	100	81.3		ug/L		81	70 - 130
Thallium	0.50	U	100	109		ug/L		109	70 - 130
Vanadium	2.2	U	100	106		ug/L		106	70 - 130
Zinc	230		100	104	J	ug/L		-125	70 - 130

Lab Sample ID: MB 700-104796/1-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/19/11 12:55	08/20/11 00:55	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/19/11 12:55	08/20/11 00:55	5
Barium	0.433	I	2.5	0.42	ug/L		08/19/11 12:55	08/20/11 00:55	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/19/11 12:55	08/20/11 00:55	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/19/11 12:55	08/20/11 00:55	5
Chromium	0.63	U	2.5	0.63	ug/L		08/19/11 12:55	08/20/11 00:55	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/19/11 12:55	08/20/11 00:55	5
Copper	1.9	U	2.5	1.9	ug/L		08/19/11 12:55	08/20/11 00:55	5
Lead	0.17	U	1.3	0.17	ug/L		08/19/11 12:55	08/20/11 00:55	5
Selenium	0.33	U	1.3	0.33	ug/L		08/19/11 12:55	08/20/11 00:55	5
Silver	0.063	U	0.25	0.063	ug/L		08/19/11 12:55	08/20/11 00:55	5
Thallium	0.50	U	0.50	0.50	ug/L		08/19/11 12:55	08/20/11 00:55	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/19/11 12:55	08/20/11 00:55	5
Zinc	14	U	20	14	ug/L		08/19/11 12:55	08/20/11 00:55	5

Lab Sample ID: MB 700-104796/1-A
Matrix: Water
Analysis Batch: 105120

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.921	I	2.5	0.70	ug/L		08/19/11 12:55	08/25/11 14:18	5

Lab Sample ID: LCS 700-104796/2-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	100	105		ug/L		105	75 - 125
Arsenic	100	101		ug/L		101	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 700-104796/2-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Barium	100	107		ug/L		107	75 - 125
Beryllium	100	110		ug/L		110	75 - 125
Cadmium	100	104		ug/L		104	75 - 125
Chromium	100	106		ug/L		106	75 - 125
Cobalt	100	110		ug/L		110	75 - 125
Copper	100	112		ug/L		112	75 - 125
Lead	100	106		ug/L		106	75 - 125
Nickel	100	130	J	ug/L		130	75 - 125
Selenium	100	107		ug/L		107	75 - 125
Silver	100	82.6		ug/L		83	75 - 125
Thallium	100	112		ug/L		112	75 - 125
Vanadium	100	109		ug/L		109	75 - 125
Zinc	100	102		ug/L		102	75 - 125

Lab Sample ID: LCS 700-104796/2-A
Matrix: Water
Analysis Batch: 104960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nickel	100	101		ug/L		101	75 - 125

Lab Sample ID: LCSD 700-104796/3-A
Matrix: Water
Analysis Batch: 104834

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	100	104		ug/L		104	75 - 125	1	20
Arsenic	100	102		ug/L		102	75 - 125	0	20
Barium	100	104		ug/L		104	75 - 125	3	20
Beryllium	100	105		ug/L		105	75 - 125	4	20
Cadmium	100	103		ug/L		103	75 - 125	2	20
Chromium	100	109		ug/L		109	75 - 125	2	20
Cobalt	100	112		ug/L		112	75 - 125	2	20
Copper	100	104		ug/L		104	75 - 125	8	20
Lead	100	104		ug/L		104	75 - 125	2	20
Nickel	100	111		ug/L		111	75 - 125	16	20
Selenium	100	98.8		ug/L		99	75 - 125	8	20
Silver	100	80.7		ug/L		81	75 - 125	2	20
Thallium	100	109		ug/L		109	75 - 125	3	20
Vanadium	100	109		ug/L		109	75 - 125	0	20
Zinc	100	107		ug/L		107	75 - 125	5	20

Lab Sample ID: LCSD 700-104796/3-A
Matrix: Water
Analysis Batch: 104960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nickel	100	97.6		ug/L		98	75 - 125	3	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-34882-21 MS
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-29(D)c
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	0.84		100	102		ug/L		102	70 - 130
Arsenic	0.66		100	100		ug/L		100	70 - 130
Barium	52		100	164		ug/L		108	70 - 130
Beryllium	0.37		100	109		ug/L		109	70 - 130
Cadmium	0.59		100	101		ug/L		101	70 - 130
Chromium	0.63		100	108		ug/L		108	70 - 130
Cobalt	0.25		100	111		ug/L		111	70 - 130
Copper	1.9		100	104		ug/L		104	70 - 130
Lead	0.30		100	105		ug/L		104	70 - 130
Nickel	0.70	U	100	113		ug/L		112	70 - 130
Selenium	0.33		100	98.0		ug/L		98	70 - 130
Silver	0.063		100	80.4		ug/L		80	70 - 130
Thallium	0.50		100	109		ug/L		109	70 - 130
Vanadium	2.2		100	109		ug/L		109	70 - 130
Zinc	23		100	104		ug/L		104	70 - 130

Lab Sample ID: 640-34882-21 MSD
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-29(D)c
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	0.84		100	103		ug/L		103	70 - 130	1	20
Arsenic	0.66		100	98.1		ug/L		98	70 - 130	2	20
Barium	52		100	161		ug/L		105	70 - 130	2	20
Beryllium	0.37		100	109		ug/L		109	70 - 130	0	20
Cadmium	0.59		100	104		ug/L		104	70 - 130	3	20
Chromium	0.63		100	109		ug/L		109	70 - 130	1	20
Cobalt	0.25		100	112		ug/L		112	70 - 130	1	20
Copper	1.9		100	102		ug/L		102	70 - 130	3	20
Lead	0.30		100	104		ug/L		104	70 - 130	0	20
Nickel	0.70	U	100	112		ug/L		111	70 - 130	1	20
Selenium	0.33		100	96.5		ug/L		96	70 - 130	2	20
Silver	0.063		100	80.4		ug/L		80	70 - 130	0	20
Thallium	0.50		100	110		ug/L		110	70 - 130	1	20
Vanadium	2.2		100	109		ug/L		109	70 - 130	1	20
Zinc	23		100	105		ug/L		105	70 - 130	1	20

Lab Sample ID: 640-34894-8 MS
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-2(I)b
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	0.84		100	103		ug/L		103	70 - 130
Arsenic	0.66		100	99.7		ug/L		99	70 - 130
Barium	22		100	127		ug/L		104	70 - 130
Beryllium	0.37		100	108		ug/L		108	70 - 130
Cadmium	0.59		100	101		ug/L		101	70 - 130
Chromium	0.63		100	108		ug/L		108	70 - 130
Cobalt	0.25		100	113		ug/L		112	70 - 130
Copper	1.9		100	101		ug/L		101	70 - 130

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-34894-8 MS
Matrix: Water
Analysis Batch: 104834

Client Sample ID: MWB-2(I)b
Prep Type: Total Recoverable
Prep Batch: 104796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	3.1		100	106		ug/L		103	70 - 130
Nickel	0.70	U	100	112		ug/L		111	70 - 130
Selenium	0.33		100	80.6		ug/L		81	70 - 130
Silver	0.063		100	80.0		ug/L		80	70 - 130
Thallium	0.50		100	108		ug/L		108	70 - 130
Vanadium	2.2		100	109		ug/L		109	70 - 130
Zinc	14		100	106		ug/L		83	70 - 130

Lab Sample ID: MB 700-104844/1-A
Matrix: Water
Analysis Batch: 104960

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104844

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	U	1.3	0.84	ug/L		08/22/11 10:40	08/24/11 00:18	5
Arsenic	0.66	U	1.3	0.66	ug/L		08/22/11 10:40	08/24/11 00:18	5
Barium	0.42	U	2.5	0.42	ug/L		08/22/11 10:40	08/24/11 00:18	5
Beryllium	0.37	U	2.5	0.37	ug/L		08/22/11 10:40	08/24/11 00:18	5
Cadmium	0.59	U	2.5	0.59	ug/L		08/22/11 10:40	08/24/11 00:18	5
Chromium	0.63	U	2.5	0.63	ug/L		08/22/11 10:40	08/24/11 00:18	5
Cobalt	0.25	U	2.5	0.25	ug/L		08/22/11 10:40	08/24/11 00:18	5
Copper	1.9	U	2.5	1.9	ug/L		08/22/11 10:40	08/24/11 00:18	5
Lead	0.17	U	1.3	0.17	ug/L		08/22/11 10:40	08/24/11 00:18	5
Selenium	0.33	U	1.3	0.33	ug/L		08/22/11 10:40	08/24/11 00:18	5
Silver	0.063	U	0.25	0.063	ug/L		08/22/11 10:40	08/24/11 00:18	5
Thallium	0.50	U	0.50	0.50	ug/L		08/22/11 10:40	08/24/11 00:18	5
Vanadium	2.2	U	2.5	2.2	ug/L		08/22/11 10:40	08/24/11 00:18	5
Zinc	14	U	20	14	ug/L		08/22/11 10:40	08/24/11 00:18	5

Lab Sample ID: MB 700-104844/1-A
Matrix: Water
Analysis Batch: 105120

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 104844

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.70	U	2.5	0.70	ug/L		08/22/11 10:40	08/25/11 15:32	5

Lab Sample ID: LCS 700-104844/2-A
Matrix: Water
Analysis Batch: 104960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	100	90.4		ug/L		90	75 - 125
Arsenic	100	90.9		ug/L		91	75 - 125
Barium	100	104		ug/L		104	75 - 125
Beryllium	100	102		ug/L		102	75 - 125
Cadmium	100	100		ug/L		100	75 - 125
Chromium	100	99.1		ug/L		99	75 - 125
Cobalt	100	101		ug/L		101	75 - 125
Copper	100	104		ug/L		104	75 - 125
Lead	100	100		ug/L		100	75 - 125
Nickel	100	95.7		ug/L		96	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 700-104844/2-A
Matrix: Water
Analysis Batch: 104960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 104844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Selenium	100	89.1		ug/L		89	75 - 125
Silver	100	79.9		ug/L		80	75 - 125
Thallium	100	106		ug/L		106	75 - 125
Vanadium	100	95.9		ug/L		96	75 - 125
Zinc	100	102		ug/L		102	75 - 125

Lab Sample ID: LCSD 700-104844/3-A
Matrix: Water
Analysis Batch: 104960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 104844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	100	91.3		ug/L		91	75 - 125	1	20
Arsenic	100	90.4		ug/L		90	75 - 125	1	20
Barium	100	103		ug/L		103	75 - 125	1	20
Beryllium	100	100		ug/L		100	75 - 125	2	20
Cadmium	100	104		ug/L		104	75 - 125	3	20
Chromium	100	97.9		ug/L		98	75 - 125	1	20
Cobalt	100	99.0		ug/L		99	75 - 125	2	20
Copper	100	102		ug/L		102	75 - 125	2	20
Lead	100	99.4		ug/L		99	75 - 125	1	20
Nickel	100	93.1		ug/L		93	75 - 125	3	20
Selenium	100	97.4		ug/L		97	75 - 125	9	20
Silver	100	80.4		ug/L		80	75 - 125	1	20
Thallium	100	103		ug/L		103	75 - 125	2	20
Vanadium	100	93.3		ug/L		93	75 - 125	3	20
Zinc	100	99.3		ug/L		99	75 - 125	3	20

Lab Sample ID: 640-34897-1 MS
Matrix: Water
Analysis Batch: 104960

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 104844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	0.84		100	101		ug/L		101	70 - 130
Arsenic	0.76		100	94.3		ug/L		94	70 - 130
Barium	51		100	155		ug/L		104	70 - 130
Beryllium	0.37		100	104		ug/L		104	70 - 130
Cadmium	0.59		100	104		ug/L		104	70 - 130
Chromium	0.63		100	100		ug/L		100	70 - 130
Cobalt	0.25		100	102		ug/L		102	70 - 130
Copper	1.9		100	104		ug/L		104	70 - 130
Lead	0.85		100	101		ug/L		100	70 - 130
Nickel	0.70	U	100	95.4		ug/L		95	70 - 130
Selenium	0.33		100	93.5		ug/L		94	70 - 130
Silver	0.063		100	79.3		ug/L		79	70 - 130
Thallium	0.50		100	105		ug/L		105	70 - 130
Vanadium	2.2		100	99.2		ug/L		99	70 - 130
Zinc	14		100	102		ug/L		102	70 - 130

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-34897-1 MSD — **Client Sample ID: SW-1**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 104960 — **Prep Batch: 104844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	0.84		100	101		ug/L		101	70 - 130	0	20
Arsenic	0.76		100	96.4		ug/L		96	70 - 130	2	20
Barium	51		100	157		ug/L		106	70 - 130	1	20
Beryllium	0.37		100	105		ug/L		105	70 - 130	2	20
Cadmium	0.59		100	105		ug/L		105	70 - 130	2	20
Chromium	0.63		100	97.4		ug/L		97	70 - 130	3	20
Cobalt	0.25		100	99.5		ug/L		100	70 - 130	3	20
Copper	1.9		100	105		ug/L		105	70 - 130	0	20
Lead	0.85		100	103		ug/L		102	70 - 130	2	20
Nickel	0.70	U	100	94.1		ug/L		94	70 - 130	1	20
Selenium	0.33		100	94.0		ug/L		94	70 - 130	0	20
Silver	0.063		100	81.3		ug/L		81	70 - 130	3	20
Thallium	0.50		100	108		ug/L		108	70 - 130	3	20
Vanadium	2.2		100	97.4		ug/L		97	70 - 130	2	20
Zinc	14		100	104		ug/L		104	70 - 130	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 700-104776/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104776**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 09:10	08/22/11 13:22	1

Lab Sample ID: LCS 700-104776/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104776**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	4.00	3.94		ug/L		99	80 - 120

Lab Sample ID: LCSD 700-104776/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104776**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	4.00	4.01		ug/L		100	80 - 120	2	20

Lab Sample ID: 640-34882-1 MS — **Client Sample ID: MWB-27(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.084	U	2.50	2.42		ug/L		97	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 640-34882-1 MSD — **Client Sample ID: MWB-27(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.084	U	2.50	2.34		ug/L		94	80 - 120	3	20

Lab Sample ID: MB 700-104798/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104798**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/22/11 11:35	08/22/11 14:18	1

Lab Sample ID: LCS 700-104798/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104798**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	4.00	4.03		ug/L		101	80 - 120

Lab Sample ID: LCSD 700-104798/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104798**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	4.00	4.03		ug/L		101	80 - 120	0	20

Lab Sample ID: 640-34882-21 MS — **Client Sample ID: MWB-29(D)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104798**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.084	U	2.50	2.35		ug/L		94	80 - 120

Lab Sample ID: 640-34882-21 MSD — **Client Sample ID: MWB-29(D)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 104886 — **Prep Batch: 104798**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.084	U	2.50	2.35		ug/L		94	80 - 120	0	20

Lab Sample ID: MB 700-105186/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 105275 — **Prep Batch: 105186**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	U	0.20	0.084	ug/L		08/29/11 11:00	08/30/11 09:21	1

Lab Sample ID: LCS 700-105186/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 105275 — **Prep Batch: 105186**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	4.00	3.49		ug/L		87	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 700-105186/3-A
Matrix: Water
Analysis Batch: 105275

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105186

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury			4.00	3.47		ug/L		87	80 - 120	0	20

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Lab Sample ID: MB 700-104990/1
Matrix: Water
Analysis Batch: 104990

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	3.3	U	3.3	3.3	mg/L			08/23/11 13:44	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 640-84356/4
Matrix: Water
Analysis Batch: 84356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			08/27/11 02:56	1

Lab Sample ID: LCS 640-84356/6
Matrix: Water
Analysis Batch: 84356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride			6.00	5.79		mg/L		97	90 - 110		

Lab Sample ID: LCSD 640-84356/7
Matrix: Water
Analysis Batch: 84356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride			6.00	5.70		mg/L		95	90 - 110	2	30

Lab Sample ID: MB 640-84363/1
Matrix: Water
Analysis Batch: 84363

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			08/28/11 00:43	1

Lab Sample ID: LCS 640-84363/6
Matrix: Water
Analysis Batch: 84363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride			6.00	5.56		mg/L		93	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 640-84363/7
Matrix: Water
Analysis Batch: 84363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride			6.00	5.62		mg/L		94	90 - 110	1	30

Lab Sample ID: 640-34882-9 MS
Matrix: Water
Analysis Batch: 84363

Client Sample ID: MWB-11(S)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride	18		6.00	23.4		mg/L		96	80 - 120		

Lab Sample ID: 640-34882-9 DU
Matrix: Water
Analysis Batch: 84363

Client Sample ID: MWB-11(S)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	18		13.7		mg/L				25	30

Lab Sample ID: MB 640-84503/11
Matrix: Water
Analysis Batch: 84503

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			08/30/11 20:09	1

Lab Sample ID: LCS 640-84503/12
Matrix: Water
Analysis Batch: 84503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride			6.00	6.60		mg/L		110	90 - 110		

Lab Sample ID: LCSD 640-84503/13
Matrix: Water
Analysis Batch: 84503

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride			6.00	3.78	J	mg/L		63	90 - 110	54	30

Lab Sample ID: 640-34882-13 MS
Matrix: Water
Analysis Batch: 84503

Client Sample ID: MWB-32(I)d
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride	5.8	J	30.0	31.4	L	mg/L		85	80 - 120		

Lab Sample ID: 640-34882-20 MS
Matrix: Water
Analysis Batch: 84503

Client Sample ID: MWB-29(I)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride	6.4	J	6.00	12.7		mg/L		104	80 - 120		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 640-34882-13 DU — **Client Sample ID: MWB-32(I)d**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84503

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	5.8	J	5.78	J	mg/L		1	30

Lab Sample ID: 640-34882-20 DU — **Client Sample ID: MWB-29(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84503

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	6.4	J	6.54	J	mg/L		2	30

Lab Sample ID: MB 640-84695/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.036	U	1.0	0.036	mg/L			09/06/11 17:06	1

Lab Sample ID: LCS 640-84695/17 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	6.00	6.10		mg/L		102	90 - 110

Lab Sample ID: LCSD 640-84695/18 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride	6.00	6.15		mg/L		102	90 - 110	1	30

Lab Sample ID: 640-34882-16 MS — **Client Sample ID: MWB-34(I)d**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	5.7		6.00	12.3		mg/L		111	80 - 120

Lab Sample ID: 640-34894-2 MS — **Client Sample ID: Dup04**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	4.4		6.00	10.5		mg/L		102	80 - 120

Lab Sample ID: 640-34882-16 DU — **Client Sample ID: MWB-34(I)d**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	5.7		5.69		mg/L		0.5	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 640-34894-2 DU — **Client Sample ID: Dup04**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84695

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	4.4			4.35		mg/L				0.3	30

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 640-84100/102 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0043	U	0.020	0.0043	mg/L			08/21/11 19:12	1

Lab Sample ID: MB 640-84100/52 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0043	U	0.020	0.0043	mg/L			08/21/11 17:53	1

Lab Sample ID: LCS 640-84100/103 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Ammonia			1.00	1.07		mg/L		107	85 - 115		

Lab Sample ID: LCS 640-84100/58 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Ammonia			1.00	1.08		mg/L		108	85 - 115		

Lab Sample ID: LCSD 640-84100/109 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ammonia			1.00	1.08		mg/L		108	85 - 115	1	30

Lab Sample ID: LCSD 640-84100/59 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ammonia			1.00	1.09		mg/L		109	85 - 115	0	30

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 640-34882-1 MS — **Client Sample ID: MWB-27(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	0.066		1.00	1.26	J	mg/L		120	85 - 115

Lab Sample ID: 640-34882-13 MS — **Client Sample ID: MWB-32(I)d**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	0.028		1.00	1.24	J	mg/L		121	85 - 115

Lab Sample ID: 640-34894-6 MS — **Client Sample ID: MWB-13(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	0.042		1.00	1.30	J	mg/L		126	85 - 115

Lab Sample ID: 640-34882-1 DU — **Client Sample ID: MWB-27(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.066		0.0654		mg/L		0.9	30

Lab Sample ID: 640-34882-13 DU — **Client Sample ID: MWB-32(I)d**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.028		0.0325		mg/L		15	30

Lab Sample ID: 640-34894-6 DU — **Client Sample ID: MWB-13(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84100

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.042		0.0395		mg/L		7	30

Lab Sample ID: MB 640-84150/17 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84150

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0043	U	0.020	0.0043	mg/L			08/22/11 13:36	1

Lab Sample ID: LCS 640-84150/19 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	1.00	1.10		mg/L		110	85 - 115

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 640-84150/20
Matrix: Water
Analysis Batch: 84150

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ammonia	1.00	0.988		mg/L		99	85 - 115	11	30

Lab Sample ID: 640-34882-21 MS
Matrix: Water
Analysis Batch: 84150

Client Sample ID: MWB-29(D)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	0.085		1.00	1.25	J	mg/L		117	85 - 115

Lab Sample ID: 640-34882-31 MS
Matrix: Water
Analysis Batch: 84150

Client Sample ID: MWB-31(D)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	0.18		1.00	1.36	J	mg/L		118	85 - 115

Lab Sample ID: 640-34882-21 DU
Matrix: Water
Analysis Batch: 84150

Client Sample ID: MWB-29(D)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.085		0.0838		mg/L		1	30

Lab Sample ID: 640-34882-31 DU
Matrix: Water
Analysis Batch: 84150

Client Sample ID: MWB-31(D)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.18		0.180		mg/L		0.3	30

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 640-84035/174
Matrix: Water
Analysis Batch: 84035

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 13:29	1

Lab Sample ID: MB 640-84035/224
Matrix: Water
Analysis Batch: 84035

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/18/11 14:36	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 640-84035/175
Matrix: Water
Analysis Batch: 84035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: LCS 640-84035/225
Matrix: Water
Analysis Batch: 84035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	1.00	1.04		mg/L		104	90 - 110

Lab Sample ID: LCSD 640-84035/176
Matrix: Water
Analysis Batch: 84035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	1.04		mg/L		104	90 - 110	1	30

Lab Sample ID: LCSD 640-84035/226
Matrix: Water
Analysis Batch: 84035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	1.04		mg/L		104	90 - 110	0	30

Lab Sample ID: 640-34882-1 MS
Matrix: Water
Analysis Batch: 84035

Client Sample ID: MWB-27(I)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	0.024		1.00	1.04		mg/L		102	90 - 110

Lab Sample ID: 640-34882-10 MS
Matrix: Water
Analysis Batch: 84035

Client Sample ID: MWB-11(1)(R)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	0.0062	I	1.00	1.03		mg/L		102	90 - 110

Lab Sample ID: 640-34882-20 MS
Matrix: Water
Analysis Batch: 84035

Client Sample ID: MWB-29(I)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	0.0086	I	1.00	1.04		mg/L		103	90 - 110

Lab Sample ID: 640-34882-30 MS
Matrix: Water
Analysis Batch: 84035

Client Sample ID: MWB-3(S)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	0.015		1.00	1.01		mg/L		99	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 640-34882-1 DU — **Client Sample ID: MWB-27(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84035

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	0.024		0.0223		mg/L		6	30

Lab Sample ID: 640-34882-10 DU — **Client Sample ID: MWB-11(1)(R)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84035

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	0.0062	I	0.00813	I	mg/L		27	30

Lab Sample ID: 640-34882-20 DU — **Client Sample ID: MWB-29(I)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84035

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	0.0086	I	0.0108		mg/L		23	30

Lab Sample ID: 640-34882-30 DU — **Client Sample ID: MWB-3(S)b**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84035

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	0.015		0.0172		mg/L		12	30

Lab Sample ID: MB 640-84229/19 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0047	U	0.010	0.0047	mg/L			08/24/11 11:00	1

Lab Sample ID: LCS 640-84229/21 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	1.00	1.08		mg/L		108	90 - 110

Lab Sample ID: LCSD 640-84229/22 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	1.04		mg/L		104	90 - 110	5	30

Lab Sample ID: 640-34894-1 MS — **Client Sample ID: MWB-12(D)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	0.0096	I	1.00	1.20	J	mg/L		119	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 640-34894-10 MS — **Client Sample ID: Dup03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Nitrate Nitrite as N	0.15		1.00	1.41	J	mg/L		126	90 - 110		

Lab Sample ID: 640-34894-1 DU — **Client Sample ID: MWB-12(D)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate Nitrite as N	0.0096	I	0.00861	I	mg/L				11	30

Lab Sample ID: 640-34894-10 DU — **Client Sample ID: Dup03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84229

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate Nitrite as N	0.15		0.147		mg/L				2	30

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 640-84126/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84181 — **Prep Batch: 84126**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	0.0044	U	0.010	0.0044	mg/L		08/22/11 13:56	08/23/11 14:11	1

Lab Sample ID: LCS 640-84126/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84181 — **Prep Batch: 84126**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Phosphorus			0.100	0.100		mg/L		100	90 - 110		

Lab Sample ID: LCSD 640-84126/4-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84181 — **Prep Batch: 84126**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Phosphorus			0.100	0.102		mg/L		102	90 - 110	1	30

Lab Sample ID: 640-34897-1 MS — **Client Sample ID: SW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84181 — **Prep Batch: 84126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Phosphorus	0.021		0.100	0.127		mg/L		106	90 - 110		

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 640-34897-1 DU — **Client Sample ID: SW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84181 — **Prep Batch: 84126**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Phosphorus	0.021		0.0206		mg/L		3	30

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 640-84177/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84177

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			08/23/11 14:30	1

Lab Sample ID: LCS 640-84177/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	300	292		mg/L		97	80 - 120

Lab Sample ID: LCSD 640-84177/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	300	291		mg/L		97	80 - 120	0	25

Lab Sample ID: 640-34882-4 DU — **Client Sample ID: MWB-22(S)c**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84177

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	230		216		mg/L		6	25

Lab Sample ID: MB 640-84183/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84183

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	6.00		5.0	2.3	mg/L			08/23/11 20:15	1

Lab Sample ID: LCS 640-84183/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84183

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	300	283		mg/L		94	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 640-84183/3
Matrix: Water
Analysis Batch: 84183

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			300	301		mg/L		100	80 - 120	6	25

Lab Sample ID: 640-34882-19 DU
Matrix: Water
Analysis Batch: 84183

Client Sample ID: MWB-29(S)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	44	V		34.5	V	mg/L				23	25

Lab Sample ID: MB 640-84184/1
Matrix: Water
Analysis Batch: 84184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			08/23/11 20:45	1

Lab Sample ID: LCS 640-84184/2
Matrix: Water
Analysis Batch: 84184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Dissolved Solids			300	318		mg/L		106	80 - 120		

Lab Sample ID: LCSD 640-84184/3
Matrix: Water
Analysis Batch: 84184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			300	312		mg/L		104	80 - 120	2	25

Lab Sample ID: 640-34882-20 DU
Matrix: Water
Analysis Batch: 84184

Client Sample ID: MWB-29(I)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	24			25.0		mg/L				4	25

Lab Sample ID: 640-34894-8 DU
Matrix: Water
Analysis Batch: 84184

Client Sample ID: MWB-2(I)b
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	37			30.5		mg/L				18	25

Lab Sample ID: MB 640-84248/1
Matrix: Water
Analysis Batch: 84248

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			08/24/11 19:15	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 640-84248/3
Matrix: Water
Analysis Batch: 84248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	300	304		mg/L		101	80 - 120

Lab Sample ID: 640-34897-3 DU
Matrix: Water
Analysis Batch: 84248

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	360		330		mg/L		9	25

Lab Sample ID: MB 640-84420/1
Matrix: Water
Analysis Batch: 84420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			08/29/11 14:48	1

Lab Sample ID: LCS 640-84420/2
Matrix: Water
Analysis Batch: 84420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	300	291		mg/L		97	80 - 120

Lab Sample ID: LCSD 640-84420/3
Matrix: Water
Analysis Batch: 84420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	300	291		mg/L		97	80 - 120	0	25

Lab Sample ID: 640-34894-5 DU
Matrix: Water
Analysis Batch: 84420

Client Sample ID: MWB-13(S)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	260	Q	269		mg/L		2	25

Lab Sample ID: MB 640-84427/1
Matrix: Water
Analysis Batch: 84427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			08/29/11 17:23	1

Lab Sample ID: LCS 640-84427/2
Matrix: Water
Analysis Batch: 84427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	300	256		mg/L		85	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 640-84427/3
Matrix: Water
Analysis Batch: 84427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			300	282		mg/L		94	80 - 120	10	25

Lab Sample ID: 640-34894-6 DU
Matrix: Water
Analysis Batch: 84427

Client Sample ID: MWB-13(I)c
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	31	Q		18.5	J	mg/L				52	25

Lab Sample ID: MB 640-85578/1
Matrix: Water
Analysis Batch: 85578

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2.3	U	5.0	2.3	mg/L			10/03/11 14:45	1

Lab Sample ID: LCS 640-85578/2
Matrix: Water
Analysis Batch: 85578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Dissolved Solids			150	155		mg/L		103	80 - 120		

Lab Sample ID: LCSD 640-85578/3
Matrix: Water
Analysis Batch: 85578

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			150	152		mg/L		101	80 - 120	2	25

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 640-84254/1
Matrix: Water
Analysis Batch: 84254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.2	U	2.0	1.2	mg/L			08/24/11 19:00	1

Lab Sample ID: LCS 640-84254/2
Matrix: Water
Analysis Batch: 84254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Suspended Solids			100	102		mg/L		102	80 - 120		

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCSD 640-84254/3
Matrix: Water
Analysis Batch: 84254

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Suspended Solids			100	80.5		mg/L		81	80 - 120	24	25

Lab Sample ID: 640-34897-3 DU
Matrix: Water
Analysis Batch: 84254

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	13			13.5		mg/L				2	25

Method: SM 4500 P E - Orthophosphate

Lab Sample ID: MB 640-84095/17
Matrix: Water
Analysis Batch: 84095

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	0.0014	U	0.010	0.0014	mg/L			08/19/11 09:18	1

Lab Sample ID: LCS 640-84095/19
Matrix: Water
Analysis Batch: 84095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
ortho-Phosphate			0.0200	0.0203		mg/L		102	90 - 110		

Lab Sample ID: LCSD 640-84095/20
Matrix: Water
Analysis Batch: 84095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
ortho-Phosphate			0.0200	0.0206		mg/L		103	90 - 110	1	30

Lab Sample ID: 640-34897-2 MS
Matrix: Water
Analysis Batch: 84095

Client Sample ID: SW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
ortho-Phosphate	0.0066	I	0.0200	0.0250		mg/L		92	90 - 110		

Lab Sample ID: 640-34897-2 MSD
Matrix: Water
Analysis Batch: 84095

Client Sample ID: SW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
ortho-Phosphate	0.0066	I	0.0200	0.0258		mg/L		96	90 - 110	3	30

Method: SM 4500 P E - Orthophosphate (Continued)

Lab Sample ID: 640-34897-2 DU — **Client Sample ID: SW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84095

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
ortho-Phosphate	0.0066	I	0.00618	I	mg/L		6	30

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 640-84093/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84093

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	1.5	U	2.0	1.5	mg/L			08/18/11 15:00	1

Lab Sample ID: LCS 640-84093/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Biochemical Oxygen Demand	198	205		mg/L		103	85 - 115

Lab Sample ID: LCSD 640-84093/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Biochemical Oxygen Demand	198	201		mg/L		102	85 - 115	2	30

Lab Sample ID: 640-34897-1 DU — **Client Sample ID: SW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84093

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	2.4		2.40		mg/L		0	30

Method: SM 5220D - COD

Lab Sample ID: MB 660-114177/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114181 — **Prep Batch: 114177**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10	U	20	10	mg/L		08/25/11 10:25	08/25/11 14:00	1

Lab Sample ID: LCS 660-114177/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114181 — **Prep Batch: 114177**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chemical Oxygen Demand	50.0	48.6		mg/L		97	90 - 110

Method: SM 5310C - TOC

Lab Sample ID: MB 640-84299/5
Matrix: Water
Analysis Batch: 84299

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			08/25/11 13:41	1

Lab Sample ID: LCS 640-84299/6
Matrix: Water
Analysis Batch: 84299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Carbon	10.0	10.5		mg/L		105	80 - 120

Lab Sample ID: LCSD 640-84299/7
Matrix: Water
Analysis Batch: 84299

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Carbon	10.0	10.3		mg/L		103	80 - 120	1	25

Lab Sample ID: 640-34897-1 MS
Matrix: Water
Analysis Batch: 84299

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Carbon	22		5.00	26.6		mg/L		84	80 - 120

Lab Sample ID: 640-34897-1 MSD
Matrix: Water
Analysis Batch: 84299

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Organic Carbon	22		5.00	27.2		mg/L		96	80 - 120	2	25

Method: SM 10200H by E83012 - General Chemistry Parameters

Lab Sample ID: 11H4505-BLK1
Matrix: Water
Analysis Batch: 11H4505

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11H4505_P

Analyte	Blank Result	Blank Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a	0.500	U	0.500	0.500	ug/L		08/18/11 11:45	08/19/11 11:06	1.00

Lab Sample ID: 11H4505-BS1
Matrix: Water
Analysis Batch: 11H4505

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11H4505_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorophyll-a	200	194		mg/m3		97	80 - 120

Method: SM 10200H by E83012 - General Chemistry Parameters (Continued)

Lab Sample ID: 11H4505-BSD1
Matrix: Water
Analysis Batch: 11H4505

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11H4505_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chlorophyll-a			200	218		mg/m3		109	80 - 120	12	50

Lab Sample ID: 11H4505-DUP1
Matrix: Water
Analysis Batch: 11H4505

Client Sample ID: SW-1
Prep Type: Total
Prep Batch: 11H4505_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Chlorophyll-a	4.90			6.10		ug/L				22	50

GC/MS VOA

Analysis Batch: 84084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	8260C	
640-34882-2	MWB-27(D)c	Total/NA	Water	8260C	
640-34882-3	Dup02	Total/NA	Water	8260C	
640-34882-4	MWB-22(S)c	Total/NA	Water	8260C	
640-34882-5	MWB-21(S)c	Total/NA	Water	8260C	
640-34882-6	MWB-17(S)c	Total/NA	Water	8260C	
640-34882-7	MWB-17(I)c	Total/NA	Water	8260C	
640-34882-8	MWB-17(D)c	Total/NA	Water	8260C	
640-34882-9	MWB-11(S)c	Total/NA	Water	8260C	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	8260C	
640-34882-11	MWB-7(S)c	Total/NA	Water	8260C	
640-34882-12	MWB-32(S)d	Total/NA	Water	8260C	
640-34882-13	MWB-32(I)d	Total/NA	Water	8260C	
640-34882-13 MS	MWB-32(I)d	Total/NA	Water	8260C	
640-34882-13 MSD	MWB-32(I)d	Total/NA	Water	8260C	
LCS 640-84084/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84084/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84084/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 84107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-14	MWB-32(D)d	Total/NA	Water	8260C	
640-34882-15	MWB-34(S)d	Total/NA	Water	8260C	
640-34882-16	MWB-34(I)d	Total/NA	Water	8260C	
640-34882-17	MWB-34(D)d	Total/NA	Water	8260C	
640-34882-18	MWB-33(S)d	Total/NA	Water	8260C	
640-34882-19	MWB-29(S)c	Total/NA	Water	8260C	
640-34882-20	MWB-29(I)c	Total/NA	Water	8260C	
640-34882-21	MWB-29(D)c	Total/NA	Water	8260C	
640-34882-22	MWB-27(S)c	Total/NA	Water	8260C	
640-34882-23	MWB-7(D)c	Total/NA	Water	8260C	
640-34882-24	Dup01	Total/NA	Water	8260C	
640-34882-25	MWB-7(1)c	Total/NA	Water	8260C	
640-34882-26	MWB-19(S)c	Total/NA	Water	8260C	
640-34882-27	MWB-19(I)c	Total/NA	Water	8260C	
640-34882-28	MWB-19(D)c	Total/NA	Water	8260C	
640-34882-29	MWB-3(I)b	Total/NA	Water	8260C	
640-34882-30	MWB-3(S)b	Total/NA	Water	8260C	
640-34882-31	MWB-31(D)b	Total/NA	Water	8260C	
640-34882-31 MS	MWB-31(D)b	Total/NA	Water	8260C	
640-34882-31 MSD	MWB-31(D)b	Total/NA	Water	8260C	
640-34882-32	Field Blank 01	Total/NA	Water	8260C	
640-34882-33	Trip Blank 01	Total/NA	Water	8260C	
LCS 640-84107/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84107/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84107/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 84190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-1	MWB-12(D)c	Total/NA	Water	8260C	
640-34894-2	Dup04	Total/NA	Water	8260C	
640-34894-3	MWB-12(1)c	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 84190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-4	MWB-12(S)c	Total/NA	Water	8260C	
640-34894-5	MWB-13(S)c	Total/NA	Water	8260C	
640-34894-6	MWB-13(I)c	Total/NA	Water	8260C	
640-34894-7	MWB-2(S)b	Total/NA	Water	8260C	
640-34894-8	MWB-2(I)b	Total/NA	Water	8260C	
640-34894-9	MWB-20(S)c	Total/NA	Water	8260C	
640-34894-10	Dup03	Total/NA	Water	8260C	
640-34897-1	SW-1	Total/NA	Water	8260C	
640-34897-2	SW-2	Total/NA	Water	8260C	
640-34897-3	SW-3	Total/NA	Water	8260C	
640-34897-4	Trip Blank 04	Total/NA	Water	8260C	
LCS 640-84190/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84190/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84190/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 84216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-11	Trip Blank 02	Total/NA	Water	8260C	
640-34894-12	Field Blank 02	Total/NA	Water	8260C	
LCS 640-84216/2	Lab Control Sample	Total/NA	Water	8260C	
LCSD 640-84216/3	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 640-84216/4	Method Blank	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 84262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	8011	
640-34882-1 MS	MWB-27(I)c	Total/NA	Water	8011	
640-34882-1 MSD	MWB-27(I)c	Total/NA	Water	8011	
640-34882-2	MWB-27(D)c	Total/NA	Water	8011	
640-34882-3	Dup02	Total/NA	Water	8011	
640-34882-4	MWB-22(S)c	Total/NA	Water	8011	
640-34882-5	MWB-21(S)c	Total/NA	Water	8011	
640-34882-6	MWB-17(S)c	Total/NA	Water	8011	
640-34882-7	MWB-17(I)c	Total/NA	Water	8011	
640-34882-8	MWB-17(D)c	Total/NA	Water	8011	
640-34882-9	MWB-11(S)c	Total/NA	Water	8011	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	8011	
640-34882-11	MWB-7(S)c	Total/NA	Water	8011	
640-34882-12	MWB-32(S)d	Total/NA	Water	8011	
640-34882-13	MWB-32(I)d	Total/NA	Water	8011	
640-34882-14	MWB-32(D)d	Total/NA	Water	8011	
640-34882-15	MWB-34(S)d	Total/NA	Water	8011	
640-34882-16	MWB-34(I)d	Total/NA	Water	8011	
640-34882-17	MWB-34(D)d	Total/NA	Water	8011	
640-34882-18	MWB-33(S)d	Total/NA	Water	8011	
640-34882-19	MWB-29(S)c	Total/NA	Water	8011	
640-34882-20	MWB-29(I)c	Total/NA	Water	8011	
LCS 640-84262/11-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 640-84262/12-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 640-84262/10-A	Method Blank	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 84266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-21	MWB-29(D)c	Total/NA	Water	8011	
640-34882-21 MS	MWB-29(D)c	Total/NA	Water	8011	
640-34882-21 MSD	MWB-29(D)c	Total/NA	Water	8011	
640-34882-22	MWB-27(S)c	Total/NA	Water	8011	
640-34882-23	MWB-7(D)c	Total/NA	Water	8011	
640-34882-24	Dup01	Total/NA	Water	8011	
640-34882-25	MWB-7(1)c	Total/NA	Water	8011	
640-34882-26	MWB-19(S)c	Total/NA	Water	8011	
640-34882-27	MWB-19(I)c	Total/NA	Water	8011	
640-34882-28	MWB-19(D)c	Total/NA	Water	8011	
640-34882-29	MWB-3(I)b	Total/NA	Water	8011	
640-34882-30	MWB-3(S)b	Total/NA	Water	8011	
640-34882-31	MWB-31(D)b	Total/NA	Water	8011	
640-34882-32	Field Blank 01	Total/NA	Water	8011	
640-34897-1	SW-1	Total/NA	Water	8011	
640-34897-2	SW-2	Total/NA	Water	8011	
640-34897-3	SW-3	Total/NA	Water	8011	
LCS 640-84266/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 640-84266/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 640-84266/1-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 84267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-1	MWB-12(D)c	Total/NA	Water	8011	
640-34894-1 MS	MWB-12(D)c	Total/NA	Water	8011	
640-34894-1 MSD	MWB-12(D)c	Total/NA	Water	8011	
640-34894-2	Dup04	Total/NA	Water	8011	
640-34894-3	MWB-12(1)c	Total/NA	Water	8011	
640-34894-4	MWB-12(S)c	Total/NA	Water	8011	
640-34894-5	MWB-13(S)c	Total/NA	Water	8011	
640-34894-6	MWB-13(I)c	Total/NA	Water	8011	
640-34894-7	MWB-2(S)b	Total/NA	Water	8011	
640-34894-8	MWB-2(I)b	Total/NA	Water	8011	
640-34894-9	MWB-20(S)c	Total/NA	Water	8011	
640-34894-10	Dup03	Total/NA	Water	8011	
640-34894-12	Field Blank 02	Total/NA	Water	8011	
LCS 640-84267/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 640-84267/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 640-84267/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 84346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	8011	84262
640-34882-1 MS	MWB-27(I)c	Total/NA	Water	8011	84262
640-34882-1 MSD	MWB-27(I)c	Total/NA	Water	8011	84262
640-34882-2	MWB-27(D)c	Total/NA	Water	8011	84262
640-34882-3	Dup02	Total/NA	Water	8011	84262
640-34882-4	MWB-22(S)c	Total/NA	Water	8011	84262
640-34882-5	MWB-21(S)c	Total/NA	Water	8011	84262
640-34882-6	MWB-17(S)c	Total/NA	Water	8011	84262
640-34882-7	MWB-17(I)c	Total/NA	Water	8011	84262
640-34882-8	MWB-17(D)c	Total/NA	Water	8011	84262

GC Semi VOA (Continued)

Analysis Batch: 84346 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-9	MWB-11(S)c	Total/NA	Water	8011	84262
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	8011	84262
640-34882-11	MWB-7(S)c	Total/NA	Water	8011	84262
640-34882-12	MWB-32(S)d	Total/NA	Water	8011	84262
640-34882-13	MWB-32(I)d	Total/NA	Water	8011	84262
640-34882-14	MWB-32(D)d	Total/NA	Water	8011	84262
640-34882-15	MWB-34(S)d	Total/NA	Water	8011	84262
640-34882-16	MWB-34(I)d	Total/NA	Water	8011	84262
640-34882-17	MWB-34(D)d	Total/NA	Water	8011	84262
640-34882-18	MWB-33(S)d	Total/NA	Water	8011	84262
640-34882-19	MWB-29(S)c	Total/NA	Water	8011	84262
640-34882-20	MWB-29(I)c	Total/NA	Water	8011	84262
640-34882-21	MWB-29(D)c	Total/NA	Water	8011	84266
640-34882-21 MS	MWB-29(D)c	Total/NA	Water	8011	84266
640-34882-21 MSD	MWB-29(D)c	Total/NA	Water	8011	84266
640-34882-22	MWB-27(S)c	Total/NA	Water	8011	84266
640-34882-23	MWB-7(D)c	Total/NA	Water	8011	84266
640-34882-24	Dup01	Total/NA	Water	8011	84266
640-34882-25	MWB-7(1)c	Total/NA	Water	8011	84266
640-34882-26	MWB-19(S)c	Total/NA	Water	8011	84266
640-34882-27	MWB-19(I)c	Total/NA	Water	8011	84266
640-34882-28	MWB-19(D)c	Total/NA	Water	8011	84266
640-34882-29	MWB-3(I)b	Total/NA	Water	8011	84266
640-34882-30	MWB-3(S)b	Total/NA	Water	8011	84266
640-34882-31	MWB-31(D)b	Total/NA	Water	8011	84266
640-34882-32	Field Blank 01	Total/NA	Water	8011	84266
640-34894-1	MWB-12(D)c	Total/NA	Water	8011	84267
640-34894-1 MS	MWB-12(D)c	Total/NA	Water	8011	84267
640-34894-1 MSD	MWB-12(D)c	Total/NA	Water	8011	84267
640-34894-2	Dup04	Total/NA	Water	8011	84267
640-34894-3	MWB-12(1)c	Total/NA	Water	8011	84267
640-34894-4	MWB-12(S)c	Total/NA	Water	8011	84267
640-34894-5	MWB-13(S)c	Total/NA	Water	8011	84267
640-34894-6	MWB-13(I)c	Total/NA	Water	8011	84267
640-34897-1	SW-1	Total/NA	Water	8011	84266
640-34897-2	SW-2	Total/NA	Water	8011	84266
640-34897-3	SW-3	Total/NA	Water	8011	84266
LCS 640-84262/11-A	Lab Control Sample	Total/NA	Water	8011	84262
LCS 640-84266/2-A	Lab Control Sample	Total/NA	Water	8011	84266
LCS 640-84267/2-A	Lab Control Sample	Total/NA	Water	8011	84267
LCSD 640-84262/12-A	Lab Control Sample Dup	Total/NA	Water	8011	84262
LCSD 640-84266/3-A	Lab Control Sample Dup	Total/NA	Water	8011	84266
LCSD 640-84267/3-A	Lab Control Sample Dup	Total/NA	Water	8011	84267
MB 640-84262/10-A	Method Blank	Total/NA	Water	8011	84262
MB 640-84266/1-A	Method Blank	Total/NA	Water	8011	84266
MB 640-84267/1-A	Method Blank	Total/NA	Water	8011	84267

Analysis Batch: 84378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-7	MWB-2(S)b	Total/NA	Water	8011	84267
640-34894-8	MWB-2(I)b	Total/NA	Water	8011	84267
640-34894-9	MWB-20(S)c	Total/NA	Water	8011	84267

GC Semi VOA (Continued)

Analysis Batch: 84378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-10	Dup03	Total/NA	Water	8011	84267
640-34894-12	Field Blank 02	Total/NA	Water	8011	84267

Metals

Prep Batch: 104773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total Recoverable	Water	3005A	
640-34882-1 MS	MWB-27(I)c	Total Recoverable	Water	3005A	
640-34882-1 MSD	MWB-27(I)c	Total Recoverable	Water	3005A	
640-34882-2	MWB-27(D)c	Total Recoverable	Water	3005A	
640-34882-3	Dup02	Total Recoverable	Water	3005A	
640-34882-4	MWB-22(S)c	Total Recoverable	Water	3005A	
640-34882-5	MWB-21(S)c	Total Recoverable	Water	3005A	
640-34882-6	MWB-17(S)c	Total Recoverable	Water	3005A	
640-34882-7	MWB-17(I)c	Total Recoverable	Water	3005A	
640-34882-8	MWB-17(D)c	Total Recoverable	Water	3005A	
640-34882-9	MWB-11(S)c	Total Recoverable	Water	3005A	
640-34882-10	MWB-11(1)(R)c	Total Recoverable	Water	3005A	
640-34882-11	MWB-7(S)c	Total Recoverable	Water	3005A	
640-34882-12	MWB-32(S)d	Total Recoverable	Water	3005A	
640-34882-13	MWB-32(I)d	Total Recoverable	Water	3005A	
640-34882-14	MWB-32(D)d	Total Recoverable	Water	3005A	
640-34882-15	MWB-34(S)d	Total Recoverable	Water	3005A	
640-34882-16	MWB-34(I)d	Total Recoverable	Water	3005A	
640-34882-17	MWB-34(D)d	Total Recoverable	Water	3005A	
640-34882-18	MWB-33(S)d	Total Recoverable	Water	3005A	
640-34882-19	MWB-29(S)c	Total Recoverable	Water	3005A	
640-34882-20	MWB-29(I)c	Total Recoverable	Water	3005A	
640-34882-20 MS	MWB-29(I)c	Total Recoverable	Water	3005A	
LCS 700-104773/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 700-104773/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 700-104773/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 104776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	7470A	
640-34882-1 MS	MWB-27(I)c	Total/NA	Water	7470A	
640-34882-1 MSD	MWB-27(I)c	Total/NA	Water	7470A	
640-34882-2	MWB-27(D)c	Total/NA	Water	7470A	
640-34882-3	Dup02	Total/NA	Water	7470A	
640-34882-4	MWB-22(S)c	Total/NA	Water	7470A	
640-34882-5	MWB-21(S)c	Total/NA	Water	7470A	
640-34882-6	MWB-17(S)c	Total/NA	Water	7470A	
640-34882-7	MWB-17(I)c	Total/NA	Water	7470A	
640-34882-8	MWB-17(D)c	Total/NA	Water	7470A	
640-34882-9	MWB-11(S)c	Total/NA	Water	7470A	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	7470A	
640-34882-11	MWB-7(S)c	Total/NA	Water	7470A	
640-34882-12	MWB-32(S)d	Total/NA	Water	7470A	
640-34882-13	MWB-32(I)d	Total/NA	Water	7470A	
640-34882-14	MWB-32(D)d	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 104776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-15	MWB-34(S)d	Total/NA	Water	7470A	
640-34882-16	MWB-34(I)d	Total/NA	Water	7470A	
640-34882-17	MWB-34(D)d	Total/NA	Water	7470A	
640-34882-18	MWB-33(S)d	Total/NA	Water	7470A	
640-34882-19	MWB-29(S)c	Total/NA	Water	7470A	
640-34882-20	MWB-29(I)c	Total/NA	Water	7470A	
LCS 700-104776/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 700-104776/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 700-104776/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 104790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total Recoverable	Water	3005A	
640-34882-1 MS	MWB-27(I)c	Total Recoverable	Water	3005A	
640-34882-1 MSD	MWB-27(I)c	Total Recoverable	Water	3005A	
640-34882-2	MWB-27(D)c	Total Recoverable	Water	3005A	
640-34882-3	Dup02	Total Recoverable	Water	3005A	
640-34882-4	MWB-22(S)c	Total Recoverable	Water	3005A	
640-34882-5	MWB-21(S)c	Total Recoverable	Water	3005A	
640-34882-6	MWB-17(S)c	Total Recoverable	Water	3005A	
640-34882-7	MWB-17(I)c	Total Recoverable	Water	3005A	
640-34882-8	MWB-17(D)c	Total Recoverable	Water	3005A	
640-34882-9	MWB-11(S)c	Total Recoverable	Water	3005A	
640-34882-10	MWB-11(1)(R)c	Total Recoverable	Water	3005A	
640-34882-11	MWB-7(S)c	Total Recoverable	Water	3005A	
640-34882-12	MWB-32(S)d	Total Recoverable	Water	3005A	
640-34882-13	MWB-32(I)d	Total Recoverable	Water	3005A	
640-34882-14	MWB-32(D)d	Total Recoverable	Water	3005A	
640-34882-15	MWB-34(S)d	Total Recoverable	Water	3005A	
640-34882-16	MWB-34(I)d	Total Recoverable	Water	3005A	
640-34882-17	MWB-34(D)d	Total Recoverable	Water	3005A	
640-34882-18	MWB-33(S)d	Total Recoverable	Water	3005A	
640-34882-19	MWB-29(S)c	Total Recoverable	Water	3005A	
640-34882-20	MWB-29(I)c	Total Recoverable	Water	3005A	
640-34882-20 MS	MWB-29(I)c	Total Recoverable	Water	3005A	
LCS 700-104790/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 700-104790/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 700-104790/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 104796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-21	MWB-29(D)c	Total Recoverable	Water	3005A	
640-34882-21 MS	MWB-29(D)c	Total Recoverable	Water	3005A	
640-34882-21 MSD	MWB-29(D)c	Total Recoverable	Water	3005A	
640-34882-22	MWB-27(S)c	Total Recoverable	Water	3005A	
640-34882-23	MWB-7(D)c	Total Recoverable	Water	3005A	
640-34882-24	Dup01	Total Recoverable	Water	3005A	
640-34882-25	MWB-7(1)c	Total Recoverable	Water	3005A	
640-34882-26	MWB-19(S)c	Total Recoverable	Water	3005A	
640-34882-27	MWB-19(I)c	Total Recoverable	Water	3005A	
640-34882-28	MWB-19(D)c	Total Recoverable	Water	3005A	
640-34882-29	MWB-3(I)b	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 104796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-30	MWB-3(S)b	Total Recoverable	Water	3005A	
640-34882-31	MWB-31(D)b	Total Recoverable	Water	3005A	
640-34882-32	Field Blank 01	Total Recoverable	Water	3005A	
640-34894-1	MWB-12(D)c	Total Recoverable	Water	3005A	
640-34894-2	Dup04	Total Recoverable	Water	3005A	
640-34894-3	MWB-12(1)c	Total Recoverable	Water	3005A	
640-34894-4	MWB-12(S)c	Total Recoverable	Water	3005A	
640-34894-5	MWB-13(S)c	Total Recoverable	Water	3005A	
640-34894-6	MWB-13(I)c	Total Recoverable	Water	3005A	
640-34894-7	MWB-2(S)b	Total Recoverable	Water	3005A	
640-34894-8	MWB-2(I)b	Total Recoverable	Water	3005A	
640-34894-8 MS	MWB-2(I)b	Total Recoverable	Water	3005A	
LCS 700-104796/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 700-104796/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 700-104796/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 104798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-21	MWB-29(D)c	Total/NA	Water	7470A	
640-34882-21 MS	MWB-29(D)c	Total/NA	Water	7470A	
640-34882-21 MSD	MWB-29(D)c	Total/NA	Water	7470A	
640-34882-22	MWB-27(S)c	Total/NA	Water	7470A	
640-34882-23	MWB-7(D)c	Total/NA	Water	7470A	
640-34882-24	Dup01	Total/NA	Water	7470A	
640-34882-25	MWB-7(1)c	Total/NA	Water	7470A	
640-34882-26	MWB-19(S)c	Total/NA	Water	7470A	
640-34882-27	MWB-19(I)c	Total/NA	Water	7470A	
640-34882-28	MWB-19(D)c	Total/NA	Water	7470A	
640-34882-29	MWB-3(I)b	Total/NA	Water	7470A	
640-34882-30	MWB-3(S)b	Total/NA	Water	7470A	
640-34882-31	MWB-31(D)b	Total/NA	Water	7470A	
640-34882-32	Field Blank 01	Total/NA	Water	7470A	
640-34894-1	MWB-12(D)c	Total/NA	Water	7470A	
640-34894-2	Dup04	Total/NA	Water	7470A	
640-34894-3	MWB-12(1)c	Total/NA	Water	7470A	
640-34894-4	MWB-12(S)c	Total/NA	Water	7470A	
640-34894-5	MWB-13(S)c	Total/NA	Water	7470A	
640-34894-6	MWB-13(I)c	Total/NA	Water	7470A	
640-34894-7	MWB-2(S)b	Total/NA	Water	7470A	
640-34894-8	MWB-2(I)b	Total/NA	Water	7470A	
LCS 700-104798/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 700-104798/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 700-104798/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 104811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-21	MWB-29(D)c	Total Recoverable	Water	3005A	
640-34882-21 MS	MWB-29(D)c	Total Recoverable	Water	3005A	
640-34882-21 MSD	MWB-29(D)c	Total Recoverable	Water	3005A	
640-34882-22	MWB-27(S)c	Total Recoverable	Water	3005A	
640-34882-23	MWB-7(D)c	Total Recoverable	Water	3005A	
640-34882-24	Dup01	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 104811 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-25	MWB-7(1)c	Total Recoverable	Water	3005A	
640-34882-26	MWB-19(S)c	Total Recoverable	Water	3005A	
640-34882-27	MWB-19(I)c	Total Recoverable	Water	3005A	
640-34882-28	MWB-19(D)c	Total Recoverable	Water	3005A	
640-34882-29	MWB-3(I)b	Total Recoverable	Water	3005A	
640-34882-30	MWB-3(S)b	Total Recoverable	Water	3005A	
640-34882-31	MWB-31(D)b	Total Recoverable	Water	3005A	
640-34882-32	Field Blank 01	Total Recoverable	Water	3005A	
640-34894-1	MWB-12(D)c	Total Recoverable	Water	3005A	
640-34894-2	Dup04	Total Recoverable	Water	3005A	
640-34894-3	MWB-12(1)c	Total Recoverable	Water	3005A	
640-34894-4	MWB-12(S)c	Total Recoverable	Water	3005A	
640-34894-5	MWB-13(S)c	Total Recoverable	Water	3005A	
640-34894-6	MWB-13(I)c	Total Recoverable	Water	3005A	
640-34894-7	MWB-2(S)b	Total Recoverable	Water	3005A	
640-34894-8	MWB-2(I)b	Total Recoverable	Water	3005A	
LCS 700-104811/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 700-104811/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 700-104811/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 104834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total Recoverable	Water	6020	104773
640-34882-1 MS	MWB-27(I)c	Total Recoverable	Water	6020	104773
640-34882-1 MSD	MWB-27(I)c	Total Recoverable	Water	6020	104773
640-34882-2	MWB-27(D)c	Total Recoverable	Water	6020	104773
640-34882-3	Dup02	Total Recoverable	Water	6020	104773
640-34882-4	MWB-22(S)c	Total Recoverable	Water	6020	104773
640-34882-5	MWB-21(S)c	Total Recoverable	Water	6020	104773
640-34882-6	MWB-17(S)c	Total Recoverable	Water	6020	104773
640-34882-7	MWB-17(I)c	Total Recoverable	Water	6020	104773
640-34882-8	MWB-17(D)c	Total Recoverable	Water	6020	104773
640-34882-9	MWB-11(S)c	Total Recoverable	Water	6020	104773
640-34882-10	MWB-11(1)(R)c	Total Recoverable	Water	6020	104773
640-34882-11	MWB-7(S)c	Total Recoverable	Water	6020	104773
640-34882-12	MWB-32(S)d	Total Recoverable	Water	6020	104773
640-34882-13	MWB-32(I)d	Total Recoverable	Water	6020	104773
640-34882-14	MWB-32(D)d	Total Recoverable	Water	6020	104773
640-34882-15	MWB-34(S)d	Total Recoverable	Water	6020	104773
640-34882-16	MWB-34(I)d	Total Recoverable	Water	6020	104773
640-34882-17	MWB-34(D)d	Total Recoverable	Water	6020	104773
640-34882-18	MWB-33(S)d	Total Recoverable	Water	6020	104773
640-34882-19	MWB-29(S)c	Total Recoverable	Water	6020	104773
640-34882-20	MWB-29(I)c	Total Recoverable	Water	6020	104773
640-34882-20 MS	MWB-29(I)c	Total Recoverable	Water	6020	104773
640-34882-21	MWB-29(D)c	Total Recoverable	Water	6020	104796
640-34882-21 MS	MWB-29(D)c	Total Recoverable	Water	6020	104796
640-34882-21 MSD	MWB-29(D)c	Total Recoverable	Water	6020	104796
640-34882-22	MWB-27(S)c	Total Recoverable	Water	6020	104796
640-34882-23	MWB-7(D)c	Total Recoverable	Water	6020	104796
640-34882-24	Dup01	Total Recoverable	Water	6020	104796
640-34882-25	MWB-7(1)c	Total Recoverable	Water	6020	104796

Metals (Continued)

Analysis Batch: 104834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-26	MWB-19(S)c	Total Recoverable	Water	6020	104796
640-34882-27	MWB-19(I)c	Total Recoverable	Water	6020	104796
640-34882-28	MWB-19(D)c	Total Recoverable	Water	6020	104796
640-34882-29	MWB-3(I)b	Total Recoverable	Water	6020	104796
640-34882-30	MWB-3(S)b	Total Recoverable	Water	6020	104796
640-34882-31	MWB-31(D)b	Total Recoverable	Water	6020	104796
640-34882-32	Field Blank 01	Total Recoverable	Water	6020	104796
640-34894-1	MWB-12(D)c	Total Recoverable	Water	6020	104796
640-34894-2	Dup04	Total Recoverable	Water	6020	104796
640-34894-3	MWB-12(1)c	Total Recoverable	Water	6020	104796
640-34894-4	MWB-12(S)c	Total Recoverable	Water	6020	104796
640-34894-5	MWB-13(S)c	Total Recoverable	Water	6020	104796
640-34894-6	MWB-13(I)c	Total Recoverable	Water	6020	104796
640-34894-7	MWB-2(S)b	Total Recoverable	Water	6020	104796
640-34894-8	MWB-2(I)b	Total Recoverable	Water	6020	104796
640-34894-8 MS	MWB-2(I)b	Total Recoverable	Water	6020	104796
LCS 700-104773/2-A	Lab Control Sample	Total Recoverable	Water	6020	104773
LCS 700-104796/2-A	Lab Control Sample	Total Recoverable	Water	6020	104796
LCSD 700-104773/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	104773
LCSD 700-104796/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	104796
MB 700-104773/1-A	Method Blank	Total Recoverable	Water	6020	104773
MB 700-104796/1-A	Method Blank	Total Recoverable	Water	6020	104796

Prep Batch: 104844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-9	MWB-20(S)c	Total Recoverable	Water	3005A	
640-34894-10	Dup03	Total Recoverable	Water	3005A	
640-34894-12	Field Blank 02	Total Recoverable	Water	3005A	
640-34897-1	SW-1	Total Recoverable	Water	3005A	
640-34897-1 MS	SW-1	Total Recoverable	Water	3005A	
640-34897-1 MSD	SW-1	Total Recoverable	Water	3005A	
640-34897-2	SW-2	Total Recoverable	Water	3005A	
640-34897-3	SW-3	Total Recoverable	Water	3005A	
LCS 700-104844/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 700-104844/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 700-104844/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 104854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total Recoverable	Water	6010C	104790
640-34882-1 MS	MWB-27(I)c	Total Recoverable	Water	6010C	104790
640-34882-1 MSD	MWB-27(I)c	Total Recoverable	Water	6010C	104790
640-34882-2	MWB-27(D)c	Total Recoverable	Water	6010C	104790
640-34882-3	Dup02	Total Recoverable	Water	6010C	104790
640-34882-4	MWB-22(S)c	Total Recoverable	Water	6010C	104790
640-34882-5	MWB-21(S)c	Total Recoverable	Water	6010C	104790
640-34882-6	MWB-17(S)c	Total Recoverable	Water	6010C	104790
640-34882-7	MWB-17(I)c	Total Recoverable	Water	6010C	104790
640-34882-8	MWB-17(D)c	Total Recoverable	Water	6010C	104790
640-34882-9	MWB-11(S)c	Total Recoverable	Water	6010C	104790
640-34882-10	MWB-11(1)(R)c	Total Recoverable	Water	6010C	104790
640-34882-11	MWB-7(S)c	Total Recoverable	Water	6010C	104790

Metals (Continued)

Analysis Batch: 104854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-12	MWB-32(S)d	Total Recoverable	Water	6010C	104790
640-34882-13	MWB-32(I)d	Total Recoverable	Water	6010C	104790
640-34882-14	MWB-32(D)d	Total Recoverable	Water	6010C	104790
640-34882-15	MWB-34(S)d	Total Recoverable	Water	6010C	104790
640-34882-16	MWB-34(I)d	Total Recoverable	Water	6010C	104790
640-34882-17	MWB-34(D)d	Total Recoverable	Water	6010C	104790
640-34882-18	MWB-33(S)d	Total Recoverable	Water	6010C	104790
640-34882-19	MWB-29(S)c	Total Recoverable	Water	6010C	104790
640-34882-20	MWB-29(I)c	Total Recoverable	Water	6010C	104790
640-34882-20 MS	MWB-29(I)c	Total Recoverable	Water	6010C	104790
640-34882-21	MWB-29(D)c	Total Recoverable	Water	6010C	104811
640-34882-21 MS	MWB-29(D)c	Total Recoverable	Water	6010C	104811
640-34882-21 MSD	MWB-29(D)c	Total Recoverable	Water	6010C	104811
640-34882-22	MWB-27(S)c	Total Recoverable	Water	6010C	104811
640-34882-23	MWB-7(D)c	Total Recoverable	Water	6010C	104811
640-34882-24	Dup01	Total Recoverable	Water	6010C	104811
640-34882-25	MWB-7(1)c	Total Recoverable	Water	6010C	104811
640-34882-26	MWB-19(S)c	Total Recoverable	Water	6010C	104811
640-34882-27	MWB-19(I)c	Total Recoverable	Water	6010C	104811
640-34882-28	MWB-19(D)c	Total Recoverable	Water	6010C	104811
640-34882-29	MWB-3(I)b	Total Recoverable	Water	6010C	104811
640-34882-30	MWB-3(S)b	Total Recoverable	Water	6010C	104811
640-34882-31	MWB-31(D)b	Total Recoverable	Water	6010C	104811
640-34882-32	Field Blank 01	Total Recoverable	Water	6010C	104811
640-34894-1	MWB-12(D)c	Total Recoverable	Water	6010C	104811
640-34894-2	Dup04	Total Recoverable	Water	6010C	104811
640-34894-3	MWB-12(1)c	Total Recoverable	Water	6010C	104811
640-34894-4	MWB-12(S)c	Total Recoverable	Water	6010C	104811
640-34894-5	MWB-13(S)c	Total Recoverable	Water	6010C	104811
640-34894-6	MWB-13(I)c	Total Recoverable	Water	6010C	104811
640-34894-7	MWB-2(S)b	Total Recoverable	Water	6010C	104811
640-34894-8	MWB-2(I)b	Total Recoverable	Water	6010C	104811
LCS 700-104790/2-A	Lab Control Sample	Total Recoverable	Water	6010C	104790
LCS 700-104811/2-A	Lab Control Sample	Total Recoverable	Water	6010C	104811
LCSD 700-104790/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010C	104790
LCSD 700-104811/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010C	104811
MB 700-104790/1-A	Method Blank	Total Recoverable	Water	6010C	104790
MB 700-104811/1-A	Method Blank	Total Recoverable	Water	6010C	104811

Prep Batch: 104869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-9	MWB-20(S)c	Total Recoverable	Water	3005A	
640-34894-10	Dup03	Total Recoverable	Water	3005A	
640-34894-12	Field Blank 02	Total Recoverable	Water	3005A	
640-34897-1	SW-1	Total Recoverable	Water	3005A	
640-34897-1 MS	SW-1	Total Recoverable	Water	3005A	
640-34897-1 MSD	SW-1	Total Recoverable	Water	3005A	
640-34897-2	SW-2	Total Recoverable	Water	3005A	
640-34897-3	SW-3	Total Recoverable	Water	3005A	
LCS 700-104869/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 700-104869/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 700-104869/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Analysis Batch: 104886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	7470A	104776
640-34882-1 MS	MWB-27(I)c	Total/NA	Water	7470A	104776
640-34882-1 MSD	MWB-27(I)c	Total/NA	Water	7470A	104776
640-34882-2	MWB-27(D)c	Total/NA	Water	7470A	104776
640-34882-3	Dup02	Total/NA	Water	7470A	104776
640-34882-4	MWB-22(S)c	Total/NA	Water	7470A	104776
640-34882-5	MWB-21(S)c	Total/NA	Water	7470A	104776
640-34882-6	MWB-17(S)c	Total/NA	Water	7470A	104776
640-34882-7	MWB-17(I)c	Total/NA	Water	7470A	104776
640-34882-8	MWB-17(D)c	Total/NA	Water	7470A	104776
640-34882-9	MWB-11(S)c	Total/NA	Water	7470A	104776
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	7470A	104776
640-34882-11	MWB-7(S)c	Total/NA	Water	7470A	104776
640-34882-12	MWB-32(S)d	Total/NA	Water	7470A	104776
640-34882-13	MWB-32(I)d	Total/NA	Water	7470A	104776
640-34882-14	MWB-32(D)d	Total/NA	Water	7470A	104776
640-34882-15	MWB-34(S)d	Total/NA	Water	7470A	104776
640-34882-16	MWB-34(I)d	Total/NA	Water	7470A	104776
640-34882-17	MWB-34(D)d	Total/NA	Water	7470A	104776
640-34882-18	MWB-33(S)d	Total/NA	Water	7470A	104776
640-34882-19	MWB-29(S)c	Total/NA	Water	7470A	104776
640-34882-20	MWB-29(I)c	Total/NA	Water	7470A	104776
640-34882-21	MWB-29(D)c	Total/NA	Water	7470A	104798
640-34882-21 MS	MWB-29(D)c	Total/NA	Water	7470A	104798
640-34882-21 MSD	MWB-29(D)c	Total/NA	Water	7470A	104798
640-34882-22	MWB-27(S)c	Total/NA	Water	7470A	104798
640-34882-23	MWB-7(D)c	Total/NA	Water	7470A	104798
640-34882-24	Dup01	Total/NA	Water	7470A	104798
640-34882-25	MWB-7(1)c	Total/NA	Water	7470A	104798
640-34882-26	MWB-19(S)c	Total/NA	Water	7470A	104798
640-34882-27	MWB-19(I)c	Total/NA	Water	7470A	104798
640-34882-28	MWB-19(D)c	Total/NA	Water	7470A	104798
640-34882-29	MWB-3(I)b	Total/NA	Water	7470A	104798
640-34882-30	MWB-3(S)b	Total/NA	Water	7470A	104798
640-34882-31	MWB-31(D)b	Total/NA	Water	7470A	104798
640-34882-32	Field Blank 01	Total/NA	Water	7470A	104798
640-34894-1	MWB-12(D)c	Total/NA	Water	7470A	104798
640-34894-2	Dup04	Total/NA	Water	7470A	104798
640-34894-3	MWB-12(1)c	Total/NA	Water	7470A	104798
640-34894-4	MWB-12(S)c	Total/NA	Water	7470A	104798
640-34894-5	MWB-13(S)c	Total/NA	Water	7470A	104798
640-34894-6	MWB-13(I)c	Total/NA	Water	7470A	104798
640-34894-7	MWB-2(S)b	Total/NA	Water	7470A	104798
640-34894-8	MWB-2(I)b	Total/NA	Water	7470A	104798
LCS 700-104776/2-A	Lab Control Sample	Total/NA	Water	7470A	104776
LCS 700-104798/2-A	Lab Control Sample	Total/NA	Water	7470A	104798
LCSD 700-104776/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	104776
LCSD 700-104798/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	104798
MB 700-104776/1-A	Method Blank	Total/NA	Water	7470A	104776
MB 700-104798/1-A	Method Blank	Total/NA	Water	7470A	104798

Metals (Continued)

Analysis Batch: 104932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-9	MWB-20(S)c	Total Recoverable	Water	6010C	104869
640-34894-10	Dup03	Total Recoverable	Water	6010C	104869
640-34894-12	Field Blank 02	Total Recoverable	Water	6010C	104869
640-34897-1	SW-1	Total Recoverable	Water	6010C	104869
640-34897-1 MS	SW-1	Total Recoverable	Water	6010C	104869
640-34897-1 MSD	SW-1	Total Recoverable	Water	6010C	104869
640-34897-2	SW-2	Total Recoverable	Water	6010C	104869
640-34897-3	SW-3	Total Recoverable	Water	6010C	104869
LCS 700-104869/2-A	Lab Control Sample	Total Recoverable	Water	6010C	104869
LCSD 700-104869/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010C	104869
MB 700-104869/1-A	Method Blank	Total Recoverable	Water	6010C	104869

Analysis Batch: 104960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-11	MWB-7(S)c	Total Recoverable	Water	6020	104773
640-34882-15	MWB-34(S)d	Total Recoverable	Water	6020	104773
640-34882-18	MWB-33(S)d	Total Recoverable	Water	6020	104773
640-34882-20	MWB-29(I)c	Total Recoverable	Water	6020	104773
640-34894-4	MWB-12(S)c	Total Recoverable	Water	6020	104796
640-34894-5	MWB-13(S)c	Total Recoverable	Water	6020	104796
640-34894-6	MWB-13(I)c	Total Recoverable	Water	6020	104796
640-34894-9	MWB-20(S)c	Total Recoverable	Water	6020	104844
640-34894-10	Dup03	Total Recoverable	Water	6020	104844
640-34894-12	Field Blank 02	Total Recoverable	Water	6020	104844
640-34897-1	SW-1	Total Recoverable	Water	6020	104844
640-34897-1 MS	SW-1	Total Recoverable	Water	6020	104844
640-34897-1 MSD	SW-1	Total Recoverable	Water	6020	104844
640-34897-2	SW-2	Total Recoverable	Water	6020	104844
640-34897-3	SW-3	Total Recoverable	Water	6020	104844
LCS 700-104796/2-A	Lab Control Sample	Total Recoverable	Water	6020	104796
LCS 700-104844/2-A	Lab Control Sample	Total Recoverable	Water	6020	104844
LCSD 700-104796/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	104796
LCSD 700-104844/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	104844
MB 700-104844/1-A	Method Blank	Total Recoverable	Water	6020	104844

Analysis Batch: 104990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 2340B	
640-34897-2	SW-2	Total/NA	Water	SM 2340B	
640-34897-3	SW-3	Total/NA	Water	SM 2340B	
MB 700-104990/1	Method Blank	Total/NA	Water	SM 2340B	

Analysis Batch: 105120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-21	MWB-29(D)c	Total Recoverable	Water	6020	104796
640-34882-22	MWB-27(S)c	Total Recoverable	Water	6020	104796
640-34882-23	MWB-7(D)c	Total Recoverable	Water	6020	104796
640-34882-26	MWB-19(S)c	Total Recoverable	Water	6020	104796
640-34882-27	MWB-19(I)c	Total Recoverable	Water	6020	104796
640-34882-28	MWB-19(D)c	Total Recoverable	Water	6020	104796
640-34882-31	MWB-31(D)b	Total Recoverable	Water	6020	104796
640-34894-5	MWB-13(S)c	Total Recoverable	Water	6020	104796

Metals (Continued)

Analysis Batch: 105120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-6	MWB-13(I)c	Total Recoverable	Water	6020	104796
640-34894-7	MWB-2(S)b	Total Recoverable	Water	6020	104796
640-34894-8	MWB-2(I)b	Total Recoverable	Water	6020	104796
640-34894-9	MWB-20(S)c	Total Recoverable	Water	6020	104844
640-34894-10	Dup03	Total Recoverable	Water	6020	104844
640-34894-12	Field Blank 02	Total Recoverable	Water	6020	104844
640-34897-1	SW-1	Total Recoverable	Water	6020	104844
640-34897-2	SW-2	Total Recoverable	Water	6020	104844
640-34897-3	SW-3	Total Recoverable	Water	6020	104844
MB 700-104796/1-A	Method Blank	Total Recoverable	Water	6020	104796
MB 700-104844/1-A	Method Blank	Total Recoverable	Water	6020	104844

Prep Batch: 105186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-9	MWB-20(S)c	Total/NA	Water	7470A	
640-34894-10	Dup03	Total/NA	Water	7470A	
640-34894-12	Field Blank 02	Total/NA	Water	7470A	
LCS 700-105186/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 700-105186/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 700-105186/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 105275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-9	MWB-20(S)c	Total/NA	Water	7470A	105186
640-34894-10	Dup03	Total/NA	Water	7470A	105186
640-34894-12	Field Blank 02	Total/NA	Water	7470A	105186
LCS 700-105186/2-A	Lab Control Sample	Total/NA	Water	7470A	105186
LCSD 700-105186/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	105186
MB 700-105186/1-A	Method Blank	Total/NA	Water	7470A	105186

Prep Batch: 137847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	1631E	
640-34897-2	SW-2	Total/NA	Water	1631E	
640-34897-3 - DL	SW-3	Total/NA	Water	1631E	
LCS 400-137847/2-A	Lab Control Sample	Total/NA	Water	1631E	
LCSD 400-137847/3-A	Lab Control Sample Dup	Total/NA	Water	1631E	
MB 400-137847/1-A	Method Blank	Total/NA	Water	1631E	

Analysis Batch: 137906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	1631E	137847
640-34897-2	SW-2	Total/NA	Water	1631E	137847
640-34897-3 - DL	SW-3	Total/NA	Water	1631E	137847
LCS 400-137847/2-A	Lab Control Sample	Total/NA	Water	1631E	137847
LCSD 400-137847/3-A	Lab Control Sample Dup	Total/NA	Water	1631E	137847
MB 400-137847/1-A	Method Blank	Total/NA	Water	1631E	137847

General Chemistry

Analysis Batch: 84035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	353.2	
640-34882-1 DU	MWB-27(I)c	Total/NA	Water	353.2	
640-34882-1 MS	MWB-27(I)c	Total/NA	Water	353.2	
640-34882-2	MWB-27(D)c	Total/NA	Water	353.2	
640-34882-3	Dup02	Total/NA	Water	353.2	
640-34882-4	MWB-22(S)c	Total/NA	Water	353.2	
640-34882-5	MWB-21(S)c	Total/NA	Water	353.2	
640-34882-6	MWB-17(S)c	Total/NA	Water	353.2	
640-34882-7	MWB-17(I)c	Total/NA	Water	353.2	
640-34882-8	MWB-17(D)c	Total/NA	Water	353.2	
640-34882-9	MWB-11(S)c	Total/NA	Water	353.2	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	353.2	
640-34882-10 DU	MWB-11(1)(R)c	Total/NA	Water	353.2	
640-34882-10 MS	MWB-11(1)(R)c	Total/NA	Water	353.2	
640-34882-11	MWB-7(S)c	Total/NA	Water	353.2	
640-34882-12	MWB-32(S)d	Total/NA	Water	353.2	
640-34882-13	MWB-32(I)d	Total/NA	Water	353.2	
640-34882-14	MWB-32(D)d	Total/NA	Water	353.2	
640-34882-15	MWB-34(S)d	Total/NA	Water	353.2	
640-34882-16	MWB-34(I)d	Total/NA	Water	353.2	
640-34882-17	MWB-34(D)d	Total/NA	Water	353.2	
640-34882-18	MWB-33(S)d	Total/NA	Water	353.2	
640-34882-19	MWB-29(S)c	Total/NA	Water	353.2	
640-34882-20	MWB-29(I)c	Total/NA	Water	353.2	
640-34882-20 DU	MWB-29(I)c	Total/NA	Water	353.2	
640-34882-20 MS	MWB-29(I)c	Total/NA	Water	353.2	
640-34882-21	MWB-29(D)c	Total/NA	Water	353.2	
640-34882-22	MWB-27(S)c	Total/NA	Water	353.2	
640-34882-23	MWB-7(D)c	Total/NA	Water	353.2	
640-34882-24	Dup01	Total/NA	Water	353.2	
640-34882-25	MWB-7(1)c	Total/NA	Water	353.2	
640-34882-26	MWB-19(S)c	Total/NA	Water	353.2	
640-34882-27	MWB-19(I)c	Total/NA	Water	353.2	
640-34882-28	MWB-19(D)c	Total/NA	Water	353.2	
640-34882-29	MWB-3(I)b	Total/NA	Water	353.2	
640-34882-30	MWB-3(S)b	Total/NA	Water	353.2	
640-34882-30 DU	MWB-3(S)b	Total/NA	Water	353.2	
640-34882-30 MS	MWB-3(S)b	Total/NA	Water	353.2	
640-34882-31	MWB-31(D)b	Total/NA	Water	353.2	
LCS 640-84035/175	Lab Control Sample	Total/NA	Water	353.2	
LCS 640-84035/225	Lab Control Sample	Total/NA	Water	353.2	
LCSD 640-84035/176	Lab Control Sample Dup	Total/NA	Water	353.2	
LCSD 640-84035/226	Lab Control Sample Dup	Total/NA	Water	353.2	
MB 640-84035/174	Method Blank	Total/NA	Water	353.2	
MB 640-84035/224	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 84093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 5210B	
640-34897-1 DU	SW-1	Total/NA	Water	SM 5210B	
640-34897-2	SW-2	Total/NA	Water	SM 5210B	
640-34897-3	SW-3	Total/NA	Water	SM 5210B	

General Chemistry (Continued)

Analysis Batch: 84093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 640-84093/2	Lab Control Sample	Total/NA	Water	SM 5210B	
LCSD 640-84093/3	Lab Control Sample Dup	Total/NA	Water	SM 5210B	
USB 640-84093/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 84095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 4500 P E	
640-34897-2	SW-2	Total/NA	Water	SM 4500 P E	
640-34897-2 DU	SW-2	Total/NA	Water	SM 4500 P E	
640-34897-2 MS	SW-2	Total/NA	Water	SM 4500 P E	
640-34897-2 MSD	SW-2	Total/NA	Water	SM 4500 P E	
640-34897-3	SW-3	Total/NA	Water	SM 4500 P E	
LCS 640-84095/19	Lab Control Sample	Total/NA	Water	SM 4500 P E	
LCSD 640-84095/20	Lab Control Sample Dup	Total/NA	Water	SM 4500 P E	
MB 640-84095/17	Method Blank	Total/NA	Water	SM 4500 P E	

Analysis Batch: 84100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	350.1	
640-34882-1 DU	MWB-27(I)c	Total/NA	Water	350.1	
640-34882-1 MS	MWB-27(I)c	Total/NA	Water	350.1	
640-34882-2	MWB-27(D)c	Total/NA	Water	350.1	
640-34882-3	Dup02	Total/NA	Water	350.1	
640-34882-4	MWB-22(S)c	Total/NA	Water	350.1	
640-34882-5	MWB-21(S)c	Total/NA	Water	350.1	
640-34882-6	MWB-17(S)c	Total/NA	Water	350.1	
640-34882-7	MWB-17(I)c	Total/NA	Water	350.1	
640-34882-8	MWB-17(D)c	Total/NA	Water	350.1	
640-34882-9	MWB-11(S)c	Total/NA	Water	350.1	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	350.1	
640-34882-11	MWB-7(S)c	Total/NA	Water	350.1	
640-34882-12	MWB-32(S)d	Total/NA	Water	350.1	
640-34882-13	MWB-32(I)d	Total/NA	Water	350.1	
640-34882-13 DU	MWB-32(I)d	Total/NA	Water	350.1	
640-34882-13 MS	MWB-32(I)d	Total/NA	Water	350.1	
640-34882-14	MWB-32(D)d	Total/NA	Water	350.1	
640-34882-15	MWB-34(S)d	Total/NA	Water	350.1	
640-34882-16	MWB-34(I)d	Total/NA	Water	350.1	
640-34882-17	MWB-34(D)d	Total/NA	Water	350.1	
640-34882-18	MWB-33(S)d	Total/NA	Water	350.1	
640-34882-19	MWB-29(S)c	Total/NA	Water	350.1	
640-34882-20	MWB-29(I)c	Total/NA	Water	350.1	
640-34894-1	MWB-12(D)c	Total/NA	Water	350.1	
640-34894-2	Dup04	Total/NA	Water	350.1	
640-34894-3	MWB-12(1)c	Total/NA	Water	350.1	
640-34894-4	MWB-12(S)c	Total/NA	Water	350.1	
640-34894-5	MWB-13(S)c	Total/NA	Water	350.1	
640-34894-6	MWB-13(I)c	Total/NA	Water	350.1	
640-34894-6 DU	MWB-13(I)c	Total/NA	Water	350.1	
640-34894-6 MS	MWB-13(I)c	Total/NA	Water	350.1	
640-34894-7	MWB-2(S)b	Total/NA	Water	350.1	
640-34894-8	MWB-2(I)b	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 84100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-9	MWB-20(S)c	Total/NA	Water	350.1	
640-34894-10	Dup03	Total/NA	Water	350.1	
640-34894-12	Field Blank 02	Total/NA	Water	350.1	
LCS 640-84100/103	Lab Control Sample	Total/NA	Water	350.1	
LCS 640-84100/58	Lab Control Sample	Total/NA	Water	350.1	
LCSD 640-84100/109	Lab Control Sample Dup	Total/NA	Water	350.1	
LCSD 640-84100/59	Lab Control Sample Dup	Total/NA	Water	350.1	
MB 640-84100/102	Method Blank	Total/NA	Water	350.1	
MB 640-84100/52	Method Blank	Total/NA	Water	350.1	

Prep Batch: 84126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	365.2/365.3/365	
640-34897-1 DU	SW-1	Total/NA	Water	365.2/365.3/365	
640-34897-1 MS	SW-1	Total/NA	Water	365.2/365.3/365	
640-34897-2	SW-2	Total/NA	Water	365.2/365.3/365	
640-34897-3	SW-3	Total/NA	Water	365.2/365.3/365	
LCS 640-84126/3-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 640-84126/4-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	
MB 640-84126/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 84150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-21	MWB-29(D)c	Total/NA	Water	350.1	
640-34882-21 DU	MWB-29(D)c	Total/NA	Water	350.1	
640-34882-21 MS	MWB-29(D)c	Total/NA	Water	350.1	
640-34882-22	MWB-27(S)c	Total/NA	Water	350.1	
640-34882-23	MWB-7(D)c	Total/NA	Water	350.1	
640-34882-24	Dup01	Total/NA	Water	350.1	
640-34882-25	MWB-7(1)c	Total/NA	Water	350.1	
640-34882-26	MWB-19(S)c	Total/NA	Water	350.1	
640-34882-27	MWB-19(I)c	Total/NA	Water	350.1	
640-34882-28	MWB-19(D)c	Total/NA	Water	350.1	
640-34882-29	MWB-3(I)b	Total/NA	Water	350.1	
640-34882-30	MWB-3(S)b	Total/NA	Water	350.1	
640-34882-31	MWB-31(D)b	Total/NA	Water	350.1	
640-34882-31 DU	MWB-31(D)b	Total/NA	Water	350.1	
640-34882-31 MS	MWB-31(D)b	Total/NA	Water	350.1	
640-34882-32	Field Blank 01	Total/NA	Water	350.1	
LCS 640-84150/19	Lab Control Sample	Total/NA	Water	350.1	
LCSD 640-84150/20	Lab Control Sample Dup	Total/NA	Water	350.1	
MB 640-84150/17	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 84177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	SM 2540C	
640-34882-2	MWB-27(D)c	Total/NA	Water	SM 2540C	
640-34882-3	Dup02	Total/NA	Water	SM 2540C	
640-34882-4	MWB-22(S)c	Total/NA	Water	SM 2540C	
640-34882-4 DU	MWB-22(S)c	Total/NA	Water	SM 2540C	
LCS 640-84177/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 640-84177/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 84177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 640-84177/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	365.1	84126
640-34897-1 DU	SW-1	Total/NA	Water	365.1	84126
640-34897-1 MS	SW-1	Total/NA	Water	365.1	84126
640-34897-2	SW-2	Total/NA	Water	365.1	84126
640-34897-3	SW-3	Total/NA	Water	365.1	84126
LCS 640-84126/3-A	Lab Control Sample	Total/NA	Water	365.1	84126
LCSD 640-84126/4-A	Lab Control Sample Dup	Total/NA	Water	365.1	84126
MB 640-84126/1-A	Method Blank	Total/NA	Water	365.1	84126

Analysis Batch: 84183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-6	MWB-17(S)c	Total/NA	Water	SM 2540C	
640-34882-8	MWB-17(D)c	Total/NA	Water	SM 2540C	
640-34882-9	MWB-11(S)c	Total/NA	Water	SM 2540C	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	SM 2540C	
640-34882-11	MWB-7(S)c	Total/NA	Water	SM 2540C	
640-34882-12	MWB-32(S)d	Total/NA	Water	SM 2540C	
640-34882-13	MWB-32(I)d	Total/NA	Water	SM 2540C	
640-34882-14	MWB-32(D)d	Total/NA	Water	SM 2540C	
640-34882-15	MWB-34(S)d	Total/NA	Water	SM 2540C	
640-34882-16	MWB-34(I)d	Total/NA	Water	SM 2540C	
640-34882-17	MWB-34(D)d	Total/NA	Water	SM 2540C	
640-34882-18	MWB-33(S)d	Total/NA	Water	SM 2540C	
640-34882-19	MWB-29(S)c	Total/NA	Water	SM 2540C	
640-34882-19 DU	MWB-29(S)c	Total/NA	Water	SM 2540C	
LCS 640-84183/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 640-84183/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 640-84183/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-20	MWB-29(I)c	Total/NA	Water	SM 2540C	
640-34882-20 DU	MWB-29(I)c	Total/NA	Water	SM 2540C	
640-34882-21	MWB-29(D)c	Total/NA	Water	SM 2540C	
640-34882-22	MWB-27(S)c	Total/NA	Water	SM 2540C	
640-34882-23	MWB-7(D)c	Total/NA	Water	SM 2540C	
640-34882-24	Dup01	Total/NA	Water	SM 2540C	
640-34882-25	MWB-7(1)c	Total/NA	Water	SM 2540C	
640-34882-26	MWB-19(S)c	Total/NA	Water	SM 2540C	
640-34882-27	MWB-19(I)c	Total/NA	Water	SM 2540C	
640-34882-28	MWB-19(D)c	Total/NA	Water	SM 2540C	
640-34882-29	MWB-3(I)b	Total/NA	Water	SM 2540C	
640-34882-30	MWB-3(S)b	Total/NA	Water	SM 2540C	
640-34882-31	MWB-31(D)b	Total/NA	Water	SM 2540C	
640-34882-32	Field Blank 01	Total/NA	Water	SM 2540C	
640-34894-8	MWB-2(I)b	Total/NA	Water	SM 2540C	
640-34894-8 DU	MWB-2(I)b	Total/NA	Water	SM 2540C	
LCS 640-84184/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 84184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 640-84184/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 640-84184/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-32	Field Blank 01	Total/NA	Water	353.2	
640-34894-1	MWB-12(D)c	Total/NA	Water	353.2	
640-34894-1 DU	MWB-12(D)c	Total/NA	Water	353.2	
640-34894-1 MS	MWB-12(D)c	Total/NA	Water	353.2	
640-34894-2	Dup04	Total/NA	Water	353.2	
640-34894-3	MWB-12(1)c	Total/NA	Water	353.2	
640-34894-4	MWB-12(S)c	Total/NA	Water	353.2	
640-34894-5	MWB-13(S)c	Total/NA	Water	353.2	
640-34894-6	MWB-13(I)c	Total/NA	Water	353.2	
640-34894-7	MWB-2(S)b	Total/NA	Water	353.2	
640-34894-8	MWB-2(I)b	Total/NA	Water	353.2	
640-34894-9	MWB-20(S)c	Total/NA	Water	353.2	
640-34894-10	Dup03	Total/NA	Water	353.2	
640-34894-10 DU	Dup03	Total/NA	Water	353.2	
640-34894-10 MS	Dup03	Total/NA	Water	353.2	
640-34894-12	Field Blank 02	Total/NA	Water	353.2	
640-34897-1	SW-1	Total/NA	Water	353.2	
640-34897-2	SW-2	Total/NA	Water	353.2	
640-34897-3	SW-3	Total/NA	Water	353.2	
LCS 640-84229/21	Lab Control Sample	Total/NA	Water	353.2	
LCSD 640-84229/22	Lab Control Sample Dup	Total/NA	Water	353.2	
MB 640-84229/19	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 84248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 2540C	
640-34897-2	SW-2	Total/NA	Water	SM 2540C	
640-34897-3	SW-3	Total/NA	Water	SM 2540C	
640-34897-3 DU	SW-3	Total/NA	Water	SM 2540C	
LCS 640-84248/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 640-84248/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 2540D	
640-34897-2	SW-2	Total/NA	Water	SM 2540D	
640-34897-3	SW-3	Total/NA	Water	SM 2540D	
640-34897-3 DU	SW-3	Total/NA	Water	SM 2540D	
LCS 640-84254/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 640-84254/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
MB 640-84254/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 84299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 5310C	
640-34897-1 MS	SW-1	Total/NA	Water	SM 5310C	
640-34897-1 MSD	SW-1	Total/NA	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 84299 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-2	SW-2	Total/NA	Water	SM 5310C	
640-34897-3	SW-3	Total/NA	Water	SM 5310C	
LCS 640-84299/6	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 640-84299/7	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
MB 640-84299/5	Method Blank	Total/NA	Water	SM 5310C	

Analysis Batch: 84356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	300.0	
640-34882-2	MWB-27(D)c	Total/NA	Water	300.0	
640-34882-3	Dup02	Total/NA	Water	300.0	
640-34882-5	MWB-21(S)c	Total/NA	Water	300.0	
640-34882-6	MWB-17(S)c	Total/NA	Water	300.0	
640-34882-7	MWB-17(I)c	Total/NA	Water	300.0	
640-34882-8	MWB-17(D)c	Total/NA	Water	300.0	
LCS 640-84356/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 640-84356/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 640-84356/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 84363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-9	MWB-11(S)c	Total/NA	Water	300.0	
640-34882-9 DU	MWB-11(S)c	Total/NA	Water	300.0	
640-34882-9 MS	MWB-11(S)c	Total/NA	Water	300.0	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	300.0	
640-34882-11	MWB-7(S)c	Total/NA	Water	300.0	
640-34882-12	MWB-32(S)d	Total/NA	Water	300.0	
LCS 640-84363/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 640-84363/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 640-84363/1	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 84365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	Nitrate by calc	
640-34882-2	MWB-27(D)c	Total/NA	Water	Nitrate by calc	
640-34882-3	Dup02	Total/NA	Water	Nitrate by calc	
640-34882-4	MWB-22(S)c	Total/NA	Water	Nitrate by calc	
640-34882-5	MWB-21(S)c	Total/NA	Water	Nitrate by calc	
640-34882-6	MWB-17(S)c	Total/NA	Water	Nitrate by calc	
640-34882-7	MWB-17(I)c	Total/NA	Water	Nitrate by calc	
640-34882-8	MWB-17(D)c	Total/NA	Water	Nitrate by calc	
640-34882-9	MWB-11(S)c	Total/NA	Water	Nitrate by calc	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	Nitrate by calc	
640-34882-11	MWB-7(S)c	Total/NA	Water	Nitrate by calc	
640-34882-12	MWB-32(S)d	Total/NA	Water	Nitrate by calc	
640-34882-13	MWB-32(I)d	Total/NA	Water	Nitrate by calc	
640-34882-14	MWB-32(D)d	Total/NA	Water	Nitrate by calc	
640-34882-15	MWB-34(S)d	Total/NA	Water	Nitrate by calc	
640-34882-16	MWB-34(I)d	Total/NA	Water	Nitrate by calc	
640-34882-17	MWB-34(D)d	Total/NA	Water	Nitrate by calc	
640-34882-18	MWB-33(S)d	Total/NA	Water	Nitrate by calc	
640-34882-19	MWB-29(S)c	Total/NA	Water	Nitrate by calc	

General Chemistry (Continued)

Analysis Batch: 84365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-20	MWB-29(I)c	Total/NA	Water	Nitrate by calc	
640-34882-21	MWB-29(D)c	Total/NA	Water	Nitrate by calc	
640-34882-22	MWB-27(S)c	Total/NA	Water	Nitrate by calc	
640-34882-23	MWB-7(D)c	Total/NA	Water	Nitrate by calc	
640-34882-24	Dup01	Total/NA	Water	Nitrate by calc	
640-34882-25	MWB-7(1)c	Total/NA	Water	Nitrate by calc	
640-34882-26	MWB-19(S)c	Total/NA	Water	Nitrate by calc	
640-34882-27	MWB-19(I)c	Total/NA	Water	Nitrate by calc	
640-34882-28	MWB-19(D)c	Total/NA	Water	Nitrate by calc	
640-34882-29	MWB-3(I)b	Total/NA	Water	Nitrate by calc	
640-34882-30	MWB-3(S)b	Total/NA	Water	Nitrate by calc	
640-34882-31	MWB-31(D)b	Total/NA	Water	Nitrate by calc	

Analysis Batch: 84369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-32	Field Blank 01	Total/NA	Water	Nitrate by calc	
640-34894-1	MWB-12(D)c	Total/NA	Water	Nitrate by calc	
640-34894-2	Dup04	Total/NA	Water	Nitrate by calc	
640-34894-3	MWB-12(1)c	Total/NA	Water	Nitrate by calc	
640-34894-4	MWB-12(S)c	Total/NA	Water	Nitrate by calc	
640-34894-5	MWB-13(S)c	Total/NA	Water	Nitrate by calc	
640-34894-6	MWB-13(I)c	Total/NA	Water	Nitrate by calc	
640-34894-7	MWB-2(S)b	Total/NA	Water	Nitrate by calc	
640-34894-8	MWB-2(I)b	Total/NA	Water	Nitrate by calc	
640-34894-9	MWB-20(S)c	Total/NA	Water	Nitrate by calc	
640-34894-10	Dup03	Total/NA	Water	Nitrate by calc	
640-34894-12	Field Blank 02	Total/NA	Water	Nitrate by calc	
640-34897-1	SW-1	Total/NA	Water	Nitrate by calc	
640-34897-2	SW-2	Total/NA	Water	Nitrate by calc	
640-34897-3	SW-3	Total/NA	Water	Nitrate by calc	

Analysis Batch: 84420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-1	MWB-12(D)c	Total/NA	Water	SM 2540C	
640-34894-2	Dup04	Total/NA	Water	SM 2540C	
640-34894-3	MWB-12(1)c	Total/NA	Water	SM 2540C	
640-34894-4	MWB-12(S)c	Total/NA	Water	SM 2540C	
640-34894-5	MWB-13(S)c	Total/NA	Water	SM 2540C	
640-34894-5 DU	MWB-13(S)c	Total/NA	Water	SM 2540C	
LCS 640-84420/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 640-84420/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 640-84420/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-6	MWB-13(I)c	Total/NA	Water	SM 2540C	
640-34894-6 DU	MWB-13(I)c	Total/NA	Water	SM 2540C	
640-34894-7	MWB-2(S)b	Total/NA	Water	SM 2540C	
640-34894-9	MWB-20(S)c	Total/NA	Water	SM 2540C	
640-34894-10	Dup03	Total/NA	Water	SM 2540C	
640-34894-12	Field Blank 02	Total/NA	Water	SM 2540C	
LCS 640-84427/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 84427 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 640-84427/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 640-84427/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 84429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	Total Nitrogen	
640-34897-2	SW-2	Total/NA	Water	Total Nitrogen	
640-34897-3	SW-3	Total/NA	Water	Total Nitrogen	

Analysis Batch: 84430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	UnionizedNH3	
640-34897-2	SW-2	Total/NA	Water	UnionizedNH3	
640-34897-3	SW-3	Total/NA	Water	UnionizedNH3	

Analysis Batch: 84503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-4	MWB-22(S)c	Total/NA	Water	300.0	
640-34882-13	MWB-32(I)d	Total/NA	Water	300.0	
640-34882-13 DU	MWB-32(I)d	Total/NA	Water	300.0	
640-34882-13 MS	MWB-32(I)d	Total/NA	Water	300.0	
640-34882-14	MWB-32(D)d	Total/NA	Water	300.0	
640-34882-15	MWB-34(S)d	Total/NA	Water	300.0	
640-34882-17	MWB-34(D)d	Total/NA	Water	300.0	
640-34882-18	MWB-33(S)d	Total/NA	Water	300.0	
640-34882-19	MWB-29(S)c	Total/NA	Water	300.0	
640-34882-20	MWB-29(I)c	Total/NA	Water	300.0	
640-34882-20 DU	MWB-29(I)c	Total/NA	Water	300.0	
640-34882-20 MS	MWB-29(I)c	Total/NA	Water	300.0	
640-34882-21	MWB-29(D)c	Total/NA	Water	300.0	
640-34882-22	MWB-27(S)c	Total/NA	Water	300.0	
640-34882-23	MWB-7(D)c	Total/NA	Water	300.0	
640-34882-24	Dup01	Total/NA	Water	300.0	
LCS 640-84503/12	Lab Control Sample	Total/NA	Water	300.0	
LCSD 640-84503/13	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 640-84503/11	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 84695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-16	MWB-34(I)d	Total/NA	Water	300.0	
640-34882-16 DU	MWB-34(I)d	Total/NA	Water	300.0	
640-34882-16 MS	MWB-34(I)d	Total/NA	Water	300.0	
640-34882-25	MWB-7(1)c	Total/NA	Water	300.0	
640-34882-26	MWB-19(S)c	Total/NA	Water	300.0	
640-34882-27	MWB-19(I)c	Total/NA	Water	300.0	
640-34882-28	MWB-19(D)c	Total/NA	Water	300.0	
640-34882-29	MWB-3(I)b	Total/NA	Water	300.0	
640-34882-30	MWB-3(S)b	Total/NA	Water	300.0	
640-34882-31	MWB-31(D)b	Total/NA	Water	300.0	
640-34882-32	Field Blank 01	Total/NA	Water	300.0	
640-34894-1	MWB-12(D)c	Total/NA	Water	300.0	
640-34894-2	Dup04	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 84695 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-2 DU	Dup04	Total/NA	Water	300.0	
640-34894-2 MS	Dup04	Total/NA	Water	300.0	
640-34894-3	MWB-12(1)c	Total/NA	Water	300.0	
640-34894-4	MWB-12(S)c	Total/NA	Water	300.0	
640-34894-5	MWB-13(S)c	Total/NA	Water	300.0	
640-34894-6	MWB-13(I)c	Total/NA	Water	300.0	
640-34894-7	MWB-2(S)b	Total/NA	Water	300.0	
640-34894-8	MWB-2(I)b	Total/NA	Water	300.0	
640-34894-9	MWB-20(S)c	Total/NA	Water	300.0	
640-34894-10	Dup03	Total/NA	Water	300.0	
640-34894-12	Field Blank 02	Total/NA	Water	300.0	
LCS 640-84695/17	Lab Control Sample	Total/NA	Water	300.0	
LCSD 640-84695/18	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 640-84695/15	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 85578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-5	MWB-21(S)c	Total/NA	Water	SM 2540C	
640-34882-7	MWB-17(I)c	Total/NA	Water	SM 2540C	
LCS 640-85578/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 640-85578/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 640-85578/1	Method Blank	Total/NA	Water	SM 2540C	

Prep Batch: 114177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 5220	
640-34897-2	SW-2	Total/NA	Water	SM 5220	
640-34897-3	SW-3	Total/NA	Water	SM 5220	
LCS 660-114177/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 660-114177/3-A	Method Blank	Total/NA	Water	SM 5220	

Analysis Batch: 114181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	SM 5220D	114177
640-34897-2	SW-2	Total/NA	Water	SM 5220D	114177
640-34897-3	SW-3	Total/NA	Water	SM 5220D	114177
LCS 660-114177/4-A	Lab Control Sample	Total/NA	Water	SM 5220D	114177
MB 660-114177/3-A	Method Blank	Total/NA	Water	SM 5220D	114177

Field Service / Mobile Lab

Analysis Batch: 84859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-1	MWB-27(I)c	Total/NA	Water	Field Sampling	
640-34882-2	MWB-27(D)c	Total/NA	Water	Field Sampling	
640-34882-4	MWB-22(S)c	Total/NA	Water	Field Sampling	
640-34882-5	MWB-21(S)c	Total/NA	Water	Field Sampling	
640-34882-6	MWB-17(S)c	Total/NA	Water	Field Sampling	
640-34882-7	MWB-17(I)c	Total/NA	Water	Field Sampling	
640-34882-8	MWB-17(D)c	Total/NA	Water	Field Sampling	
640-34882-9	MWB-11(S)c	Total/NA	Water	Field Sampling	
640-34882-10	MWB-11(1)(R)c	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 84859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34882-11	MWB-7(S)c	Total/NA	Water	Field Sampling	
640-34882-12	MWB-32(S)d	Total/NA	Water	Field Sampling	
640-34882-13	MWB-32(I)d	Total/NA	Water	Field Sampling	
640-34882-14	MWB-32(D)d	Total/NA	Water	Field Sampling	
640-34882-15	MWB-34(S)d	Total/NA	Water	Field Sampling	
640-34882-16	MWB-34(I)d	Total/NA	Water	Field Sampling	
640-34882-17	MWB-34(D)d	Total/NA	Water	Field Sampling	
640-34882-18	MWB-33(S)d	Total/NA	Water	Field Sampling	
640-34882-19	MWB-29(S)c	Total/NA	Water	Field Sampling	
640-34882-20	MWB-29(I)c	Total/NA	Water	Field Sampling	
640-34882-21	MWB-29(D)c	Total/NA	Water	Field Sampling	
640-34882-22	MWB-27(S)c	Total/NA	Water	Field Sampling	
640-34882-23	MWB-7(D)c	Total/NA	Water	Field Sampling	
640-34882-25	MWB-7(1)c	Total/NA	Water	Field Sampling	
640-34882-26	MWB-19(S)c	Total/NA	Water	Field Sampling	
640-34882-27	MWB-19(I)c	Total/NA	Water	Field Sampling	
640-34882-28	MWB-19(D)c	Total/NA	Water	Field Sampling	
640-34882-29	MWB-3(I)b	Total/NA	Water	Field Sampling	
640-34882-30	MWB-3(S)b	Total/NA	Water	Field Sampling	
640-34882-31	MWB-31(D)b	Total/NA	Water	Field Sampling	

Analysis Batch: 84861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34894-1	MWB-12(D)c	Total/NA	Water	Field Sampling	
640-34894-3	MWB-12(1)c	Total/NA	Water	Field Sampling	
640-34894-4	MWB-12(S)c	Total/NA	Water	Field Sampling	
640-34894-5	MWB-13(S)c	Total/NA	Water	Field Sampling	
640-34894-6	MWB-13(I)c	Total/NA	Water	Field Sampling	
640-34894-7	MWB-2(S)b	Total/NA	Water	Field Sampling	
640-34894-8	MWB-2(I)b	Total/NA	Water	Field Sampling	
640-34894-9	MWB-20(S)c	Total/NA	Water	Field Sampling	

Analysis Batch: 84862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-1	SW-1	Total/NA	Water	Field Sampling	
640-34897-2	SW-2	Total/NA	Water	Field Sampling	
640-34897-3	SW-3	Total/NA	Water	Field Sampling	

OrlandoSVC

Analysis Batch: 11H4505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H4505-BLK1	Method Blank	Total	Water	SM 10200H by E83012	11H4505_P
11H4505-BS1	Lab Control Sample	Total	Water	SM 10200H by E83012	11H4505_P
11H4505-BSD1	Lab Control Sample Dup	Total	Water	SM 10200H by E83012	11H4505_P
11H4505-DUP1	SW-1	Total	Water	SM 10200H by E83012	11H4505_P
640-34897-1	SW-1	Total	Water	SM 10200H by E83012	11H4505_P

OrlandoSVC (Continued)

Analysis Batch: 11H4505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34897-2	SW-2	Total	Water	SM 10200H by E83012	11H4505_P
640-34897-3	SW-3	Total	Water	SM 10200H by E83012	11H4505_P

Prep Batch: 11H4505_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H4505-BLK1	Method Blank	Total	Water	Filtering	
11H4505-BS1	Lab Control Sample	Total	Water	Filtering	
11H4505-BSD1	Lab Control Sample Dup	Total	Water	Filtering	
11H4505-DUP1	SW-1	Total	Water	Filtering	
640-34897-1	SW-1	Total	Water	Filtering	
640-34897-2	SW-2	Total	Water	Filtering	
640-34897-3	SW-3	Total	Water	Filtering	

Client Sample ID: MWB-27(I)c

Lab Sample ID: 640-34882-1

Date Collected: 08/16/11 09:07

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 12:27	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 20:30	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 21:27	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 16:35	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:28	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 13:51	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:39	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84177		CAK	TAL TAL
						(Start): 08/23/11 14:30		
						(End): 08/24/11 21:00		
Total/NA	Analysis	300.0		1	84356	08/27/11 11:49	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 09:06	SF	TAL TAL

Client Sample ID: MWB-27(D)c

Lab Sample ID: 640-34882-2

Date Collected: 08/16/11 08:33

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 12:48	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 20:45	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 21:33	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 16:52	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:34	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 13:40	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:29	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84177		CAK	TAL TAL
						(Start): 08/23/11 14:30		
						(End): 08/24/11 21:00		
Total/NA	Analysis	300.0		1	84356	08/27/11 12:05	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 08:32	SF	TAL TAL

Client Sample ID: Dup02

Lab Sample ID: 640-34882-3

Date Collected: 08/16/11 08:33

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 13:10	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 21:00	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 21:40	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 16:56	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:36	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 13:49	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:34	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84177		CAK	TAL TAL
						(Start): 08/23/11 14:30		
						(End): 08/24/11 21:00		
Total/NA	Analysis	300.0		1	84356	08/27/11 22:46	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL

Client Sample ID: MWB-22(S)c

Lab Sample ID: 640-34882-4

Date Collected: 08/16/11 07:58

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 13:31	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 21:14	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 21:46	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:10	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:38	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 13:53	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:36	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84177		CAK	TAL TAL
						(Start): 08/23/11 14:30		
						(End): 08/24/11 21:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		2	84503	08/30/11 23:46	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 07:57	SF	TAL TAL

Client Sample ID: MWB-21(S)c

Lab Sample ID: 640-34882-5

Date Collected: 08/16/11 07:26

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 13:53	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 21:29	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 21:52	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:14	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:40	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 13:55	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:37	TDW	TAL TAL
Total/NA	Analysis	300.0		1	84356	08/27/11 23:20	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	SM 2540C		1	85578		MJ	TAL TAL
					(Start):	10/03/11 14:45		
					(End):	10/04/11 15:15		
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 07:25	SF	TAL TAL

Client Sample ID: MWB-17(S)c

Lab Sample ID: 640-34882-6

Date Collected: 08/16/11 12:11

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 14:15	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 21:44	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 21:58	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:18	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:45	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 13:59	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:50	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
					(Start):	08/23/11 20:15		
					(End):	08/24/11 22:45		
Total/NA	Analysis	300.0		1	84356	08/27/11 23:36	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 12:10	SF	TAL TAL

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-17(I)c

Lab Sample ID: 640-34882-7

Date Collected: 08/16/11 13:01
Date Received: 08/17/11 14:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 14:36	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 21:59	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:05	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:21	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:47	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:00	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:52	TDW	TAL TAL
Total/NA	Analysis	300.0		1	84356	08/27/11 23:53	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	SM 2540C		1	85578		MJ	TAL TAL
					(Start):	10/03/11 14:45		
					(End):	10/04/11 15:15		
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 13:00	SF	TAL TAL

Client Sample ID: MWB-17(D)c

Lab Sample ID: 640-34882-8

Date Collected: 08/16/11 13:35
Date Received: 08/17/11 14:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 14:58	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 22:14	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:11	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:25	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:49	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:01	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:31	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
					(Start):	08/23/11 20:15		
					(End):	08/24/11 22:45		
Total/NA	Analysis	300.0		1	84356	08/28/11 00:10	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 13:34	SF	TAL TAL

Client Sample ID: MWB-11(S)c

Lab Sample ID: 640-34882-9

Date Collected: 08/16/11 07:53

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 15:19	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 22:28	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:17	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:28	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:51	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:03	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:55	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	300.0		1	84363	08/28/11 03:13	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 07:52	SF	TAL TAL

Client Sample ID: MWB-11(1)(R)c

Lab Sample ID: 640-34882-10

Date Collected: 08/16/11 08:34

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 15:41	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 22:43	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:36	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:32	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:53	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:04	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 19:56	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	300.0		1	84363	08/28/11 04:03	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 08:33	SF	TAL TAL

Client Sample ID: MWB-7(S)c

Lab Sample ID: 640-34882-11

Date Collected: 08/16/11 08:59

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 16:02	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 22:58	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:42	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:36	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:55	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 20:59	CL	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:15	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:07	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	300.0		1	84363	08/28/11 04:20	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 08:58	SF	TAL TAL

Client Sample ID: MWB-32(S)d

Lab Sample ID: 640-34882-12

Date Collected: 08/16/11 15:12

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 16:24	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 23:13	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:49	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:39	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:57	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:16	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:06	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	300.0		5	84363	08/28/11 04:36	QC	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 15:11	SF	TAL TAL

Client Sample ID: MWB-32(I)d

Lab Sample ID: 640-34882-13

Date Collected: 08/16/11 14:07

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84084	08/20/11 16:45	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 23:27	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 22:56	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:43	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 13:59	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:17	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:01	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/30/11 21:32	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 14:06	SF	TAL TAL

Client Sample ID: MWB-32(D)d

Lab Sample ID: 640-34882-14

Date Collected: 08/16/11 14:40

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 22:24	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 23:42	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:02	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 17:57	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:01	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:21	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:17	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 00:19	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 14:39	SF	TAL TAL

Client Sample ID: MWB-34(S)d

Lab Sample ID: 640-34882-15

Date Collected: 08/16/11 13:23

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 22:45	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/25/11 23:57	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:09	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:01	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:03	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 21:05	CL	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:23	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:19	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		15	84503	08/31/11 00:36	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 13:22	SF	TAL TAL

Client Sample ID: MWB-34(I)d

Lab Sample ID: 640-34882-16

Date Collected: 08/16/11 12:51

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 23:07	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 00:41	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:15	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:05	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:09	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:24	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:20	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 18:30	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 12:50	SF	TAL TAL

Client Sample ID: MWB-34(D)d

Lab Sample ID: 640-34882-17

Date Collected: 08/16/11 12:19

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 23:28	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 00:56	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:21	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:08	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:11	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:25	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:22	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 01:09	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 12:18	SF	TAL TAL

Client Sample ID: MWB-33(S)d

Lab Sample ID: 640-34882-18

Date Collected: 08/16/11 11:43

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 23:50	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 01:10	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:28	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:12	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:13	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 21:11	CL	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:27	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:23	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 01:26	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 11:42	SF	TAL TAL

Client Sample ID: MWB-29(S)c

Lab Sample ID: 640-34882-19

Date Collected: 08/16/11 11:12

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 00:11	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 01:25	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:34	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:16	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:14	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:35	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:28	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84183		CAK	TAL TAL
						(Start): 08/23/11 20:15		
						(End): 08/24/11 22:45		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 01:43	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 11:11	SF	TAL TAL

Client Sample ID: MWB-29(I)c

Lab Sample ID: 640-34882-20

Date Collected: 08/16/11 10:42

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 00:33	LS	TAL TAL
Total/NA	Prep	8011			84262	08/25/11 10:16	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 01:39	JPB	TAL TAL
Total Recoverable	Prep	3005A			104773	08/19/11 11:00	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/19/11 23:53	CL	TAL MOB
Total Recoverable	Prep	3005A			104790	08/19/11 12:25	CL	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:19	ZST	TAL MOB
Total/NA	Prep	7470A			104776	08/22/11 09:10	CL	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:16	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 21:17	CL	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:40	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84100	08/21/11 20:30	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 01:59	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 10:41	SF	TAL TAL

Client Sample ID: MWB-29(D)c

Lab Sample ID: 640-34882-21

Date Collected: 08/16/11 10:11

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 00:54	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 03:22	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:02	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 18:55	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:24	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 14:24	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:47	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 13:43	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 03:56	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 10:10	SF	TAL TAL

Client Sample ID: MWB-27(S)c

Lab Sample ID: 640-34882-22

Date Collected: 08/16/11 09:37

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 01:16	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 03:36	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:08	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:13	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:34	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 14:30	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:48	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 13:51	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		2	84503	08/31/11 04:13	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 09:36	SF	TAL TAL

Client Sample ID: MWB-7(D)c

Lab Sample ID: 640-34882-23

Date Collected: 08/16/11 09:34

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 01:37	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 03:51	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:14	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:16	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:36	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 14:36	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:49	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 13:52	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 04:29	CA	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 09:33	SF	TAL TAL

Client Sample ID: Dup01

Lab Sample ID: 640-34882-24

Date Collected: 08/16/11 09:34

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 01:59	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 04:05	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:21	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:31	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:38	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:57	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 13:54	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84503	08/31/11 04:46	CA	TAL TAL

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: MWB-7(1)c

Lab Sample ID: 640-34882-25

Date Collected: 08/16/11 10:06
Date Received: 08/17/11 14:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 02:20	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 04:20	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:27	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:34	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:40	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 14:59	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:03	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
					(Start):	08/23/11 20:45		
					(End):	08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 19:20	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 10:05	SF	TAL TAL

Client Sample ID: MWB-19(S)c

Lab Sample ID: 640-34882-26

Date Collected: 08/16/11 10:40
Date Received: 08/17/11 14:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 02:42	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 04:35	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:33	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:38	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:42	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 14:42	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 15:00	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:05	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
					(Start):	08/23/11 20:45		
					(End):	08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 20:43	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 10:39	SF	TAL TAL

Client Sample ID: MWB-19(I)c

Lab Sample ID: 640-34882-27

Date Collected: 08/16/11 11:12

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 03:03	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 04:49	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:39	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:42	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:44	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 14:49	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 15:01	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:06	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 21:00	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 11:11	SF	TAL TAL

Client Sample ID: MWB-19(D)c

Lab Sample ID: 640-34882-28

Date Collected: 08/16/11 11:44

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 03:25	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 05:04	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:46	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:45	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:46	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 14:55	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 15:03	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:08	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 21:16	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 11:43	SF	TAL TAL

Client Sample ID: MWB-3(I)b

Lab Sample ID: 640-34882-29

Date Collected: 08/16/11 14:30

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 03:46	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 05:18	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 01:52	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:49	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:48	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 15:07	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:10	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 21:33	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 14:29	SF	TAL TAL

Client Sample ID: MWB-3(S)b

Lab Sample ID: 640-34882-30

Date Collected: 08/16/11 15:00

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 04:08	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 05:33	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:11	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:52	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:50	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 15:08	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:14	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 21:50	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 14:59	SF	TAL TAL

Client Sample ID: MWB-31(D)b

Lab Sample ID: 640-34882-31

Date Collected: 08/16/11 15:49

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/21/11 04:29	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 08:57	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:17	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 19:56	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:56	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:01	PNP	TAL MOB
Total/NA	Analysis	353.2		1	84035	08/18/11 15:12	TDW	TAL TAL
Total/NA	Analysis	350.1		1	84150	08/22/11 14:16	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	Nitrate by calc		1	84365	08/18/11 15:35		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 22:06	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84859	08/16/11 15:47	SF	TAL TAL

Client Sample ID: Field Blank 01

Lab Sample ID: 640-34882-32

Date Collected: 08/16/11 16:11

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 22:02	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 09:11	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:23	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:00	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 14:58	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84150	08/22/11 14:21	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184		CAK	TAL TAL
						(Start): 08/23/11 20:45		
						(End): 08/25/11 12:00		
Total/NA	Analysis	353.2		1	84229	08/24/11 12:00	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 22:23	FFC	TAL TAL

Client Sample ID: Trip Blank 01

Lab Sample ID: 640-34882-33

Date Collected: 08/16/11 00:00

Matrix: Water

Date Received: 08/17/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84107	08/20/11 21:41	LS	TAL TAL

Client Sample ID: MWB-12(D)c

Lab Sample ID: 640-34894-1

Date Collected: 08/17/11 08:00

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 12:38	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 12:24	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:29	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:03	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:00	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:20	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:05	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:48	MJ	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 22:40	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 07:59	SF	TAL TAL

Client Sample ID: Dup04

Lab Sample ID: 640-34894-2

Date Collected: 08/17/11 08:00

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 13:00	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 12:38	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:36	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:18	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:02	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:32	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:12	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:59	MJ	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/06/11 22:56	FFC	TAL TAL

Client Sample ID: MWB-12(1)c

Lab Sample ID: 640-34894-3

Date Collected: 08/17/11 08:42

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 13:22	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 12:53	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:42	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:21	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:04	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:34	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:13	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:59	MJ	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 00:53	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 08:41	SF	TAL TAL

Client Sample ID: MWB-12(S)c

Lab Sample ID: 640-34894-4

Date Collected: 08/17/11 09:12

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 13:43	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 13:08	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:48	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:25	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:05	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 22:38	CL	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:36	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:14	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:59	MJ	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 01:10	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 09:11	SF	TAL TAL

Client Sample ID: MWB-13(S)c

Lab Sample ID: 640-34894-5

Date Collected: 08/17/11 10:05

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 14:05	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 13:23	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 02:55	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:29	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:07	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 22:44	CL	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:07	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:40	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:22	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84420	08/29/11 14:59	MJ	TAL TAL
Total/NA	Analysis	300.0		5	84695	09/07/11 01:26	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 10:04	SF	TAL TAL

Client Sample ID: MWB-13(I)c

Lab Sample ID: 640-34894-6

Date Collected: 08/17/11 11:00

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 14:27	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 13:38	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 03:01	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:32	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:09	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 23:03	CL	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:14	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:42	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:24	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84427	08/29/11 17:25	CAK	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 01:43	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 10:59	SF	TAL TAL

Client Sample ID: MWB-2(S)b

Lab Sample ID: 640-34894-7

Date Collected: 08/17/11 10:02

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 14:48	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84378	08/26/11 18:18	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 03:07	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:36	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:11	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:39	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:47	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:25	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84427	08/29/11 17:25	CAK	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 02:00	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 10:01	SF	TAL TAL

Client Sample ID: MWB-2(I)b

Lab Sample ID: 640-34894-8

Date Collected: 08/17/11 09:31

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 15:10	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84378	08/26/11 18:33	JPB	TAL TAL
Total Recoverable	Prep	3005A			104796	08/19/11 12:55	CL	TAL MOB
Total Recoverable	Analysis	6020		5	104834	08/20/11 03:26	CL	TAL MOB
Total Recoverable	Prep	3005A			104811	08/22/11 08:40	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104854	08/22/11 20:40	ZST	TAL MOB
Total/NA	Prep	7470A			104798	08/22/11 11:35	PNP	TAL MOB
Total/NA	Analysis	7470A		1	104886	08/22/11 15:13	PNP	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:45	PNP	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:56	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84184	(Start): 08/23/11 20:45 (End): 08/25/11 12:00	CAK	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:26	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 02:16	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 09:30	SF	TAL TAL

Client Sample ID: MWB-20(S)c

Lab Sample ID: 640-34894-9

Date Collected: 08/17/11 08:20

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 15:32	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84378	08/26/11 18:47	JPB	TAL TAL
Total Recoverable	Prep	3005A			104869	08/22/11 14:10	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104932	08/23/11 14:45	ZST	TAL MOB
Total Recoverable	Prep	3005A			104844	08/22/11 10:40	MEB	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 23:40	CL	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 16:10	PNP	TAL MOB
Total/NA	Prep	7470A			105186	08/29/11 11:00	CL	TAL MOB
Total/NA	Analysis	7470A		1	105275	08/30/11 09:33	CL	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:58	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:28	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84427	08/29/11 17:25	CAK	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 02:33	FFC	TAL TAL
Total/NA	Analysis	Field Sampling		1	84861	08/17/11 08:15	SF	TAL TAL

Client Sample ID: Dup03

Lab Sample ID: 640-34894-10

Date Collected: 08/17/11 08:20

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 15:54	LS	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84378	08/26/11 19:02	JPB	TAL TAL
Total Recoverable	Prep	3005A			104869	08/22/11 14:10	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104932	08/23/11 14:49	ZST	TAL MOB
Total Recoverable	Prep	3005A			104844	08/22/11 10:40	MEB	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 23:46	CL	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 16:16	PNP	TAL MOB
Total/NA	Prep	7470A			105186	08/29/11 11:00	CL	TAL MOB
Total/NA	Analysis	7470A		1	105275	08/30/11 09:35	CL	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 18:59	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:33	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84427	08/29/11 17:25	CAK	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 03:56	FFC	TAL TAL

Client Sample ID: Trip Blank 02

Lab Sample ID: 640-34894-11

Date Collected: 08/17/11 00:00

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84216	08/24/11 15:02	LAG	TAL TAL

Client Sample ID: Field Blank 02

Lab Sample ID: 640-34894-12

Date Collected: 08/17/11 11:21

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84216	08/24/11 14:39	LAG	TAL TAL
Total/NA	Prep	8011			84267	08/25/11 11:02	JPB	TAL TAL
Total/NA	Analysis	8011		1	84378	08/26/11 19:17	JPB	TAL TAL
Total Recoverable	Prep	3005A			104869	08/22/11 14:10	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104932	08/23/11 14:52	ZST	TAL MOB
Total Recoverable	Prep	3005A			104844	08/22/11 10:40	MEB	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/24/11 00:24	CL	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 16:22	PNP	TAL MOB
Total/NA	Prep	7470A			105186	08/29/11 11:00	CL	TAL MOB
Total/NA	Analysis	7470A		1	105275	08/30/11 09:37	CL	TAL MOB
Total/NA	Analysis	350.1		1	84100	08/21/11 19:01	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:58	TDW	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	SM 2540C		1	84427	08/29/11 17:25	CAK	TAL TAL
Total/NA	Analysis	300.0		1	84695	09/07/11 04:13	FFC	TAL TAL

Client Sample ID: SW-1

Lab Sample ID: 640-34897-1

Date Collected: 08/17/11 14:15

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 16:15	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 09:26	JPB	TAL TAL
Total/NA	Prep	1631E			137847	08/21/11 16:20	BG	TAL PEN
Total/NA	Analysis	1631E		1	137906	08/25/11 11:23	BG	TAL PEN
Total Recoverable	Prep	3005A			104869	08/22/11 14:10	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104932	08/23/11 14:20	ZST	TAL MOB
Total Recoverable	Prep	3005A			104844	08/22/11 10:40	MEB	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 23:22	CL	TAL MOB
Total/NA	Analysis	SM 2340B		1	104990	08/23/11 14:20	ZST	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:51	PNP	TAL MOB
Total/NA	Analysis	SM 5210B		1	84093	08/18/11 15:00	JS	TAL TAL
Total/NA	Analysis	SM 4500 P E		1	84095	08/19/11 09:33	TDW	TAL TAL
Total/NA	Prep	365.2/365.3/365			84126	08/22/11 13:56	TDW	TAL TAL
Total/NA	Analysis	365.1		1	84181	08/23/11 14:17	TDW	TAL TAL

Client Sample ID: SW-1

Lab Sample ID: 640-34897-1

Date Collected: 08/17/11 14:15

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	84229	08/24/11 11:45	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84248	08/24/11 19:15	CAK	TAL TAL
Total/NA	Analysis	SM 2540D		1	84254		CAK	TAL TAL
						(Start): 08/24/11 19:00		
						(End): 08/27/11 20:37		
Total/NA	Analysis	SM 5310C		1	84299	08/25/11 20:27	SRK	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	Total Nitrogen		1	84429	08/21/11 19:30		TAL TAL
Total/NA	Analysis	UnionizedNH3		1	84430	08/21/11 19:30		TAL TAL
Total/NA	Prep	SM 5220			114177	08/25/11 10:25	EM	TAL TAM
Total/NA	Analysis	SM 5220D		1	114181	08/25/11 14:00	EM	TAL TAM
Total/NA	Analysis	Field Sampling		1	84862	08/17/11 14:15	SF	TAL TAL
Total	Prep	Filtering		1.00	11H4505_P	08/18/11 13:00	MXN	TAL ORL
Total	Analysis	SM 10200H by E83012		1.00	11H4505	08/19/11 11:38	MXN	TAL ORL

Client Sample ID: SW-2

Lab Sample ID: 640-34897-2

Date Collected: 08/17/11 14:40

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 16:37	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 09:41	JPB	TAL TAL
Total/NA	Prep	1631E			137847	08/21/11 16:20	BG	TAL PEN
Total/NA	Analysis	1631E		1	137906	08/25/11 11:31	BG	TAL PEN
Total Recoverable	Prep	3005A			104869	08/22/11 14:10	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104932	08/23/11 14:38	ZST	TAL MOB
Total Recoverable	Prep	3005A			104844	08/22/11 10:40	MEB	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 23:28	CL	TAL MOB
Total/NA	Analysis	SM 2340B		1	104990	08/23/11 14:38	ZST	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 15:57	PNP	TAL MOB
Total/NA	Analysis	SM 5210B		1	84093	08/18/11 15:00	JS	TAL TAL
Total/NA	Analysis	SM 4500 P E		1	84095	08/19/11 09:24	TDW	TAL TAL
Total/NA	Prep	365.2/365.3/365			84126	08/22/11 13:56	TDW	TAL TAL
Total/NA	Analysis	365.1		1	84181	08/23/11 14:24	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:46	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84248	08/24/11 19:15	CAK	TAL TAL
Total/NA	Analysis	SM 2540D		1	84254		CAK	TAL TAL
						(Start): 08/24/11 19:00		
						(End): 08/27/11 20:37		
Total/NA	Analysis	SM 5310C		1	84299	08/25/11 19:04	SRK	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	Total Nitrogen		1	84429	08/21/11 19:30		TAL TAL

Client Sample ID: SW-2

Lab Sample ID: 640-34897-2

Date Collected: 08/17/11 14:40

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	UnionizedNH3		1	84430	08/21/11 19:30		TAL TAL
Total/NA	Prep	SM 5220			114177	08/25/11 10:25	EM	TAL TAM
Total/NA	Analysis	SM 5220D		1	114181	08/25/11 14:00	EM	TAL TAM
Total/NA	Analysis	Field Sampling		1	84862	08/17/11 14:40	SF	TAL TAL
Total	Prep	Filtering		1.00	11H4505_P	08/18/11 13:10	MXN	TAL ORL
Total	Analysis	SM 10200H by E83012		1.00	11H4505	08/19/11 11:40	MXN	TAL ORL

Client Sample ID: SW-3

Lab Sample ID: 640-34897-3

Date Collected: 08/17/11 13:50

Matrix: Water

Date Received: 08/18/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 16:59	LS	TAL TAL
Total/NA	Prep	8011			84266	08/25/11 10:56	JPB	TAL TAL
Total/NA	Analysis	8011		1	84346	08/26/11 09:56	JPB	TAL TAL
Total/NA	Prep	1631E	DL		137847	08/21/11 16:20	BG	TAL PEN
Total/NA	Analysis	1631E	DL	2	137906	08/25/11 12:03	BG	TAL PEN
Total Recoverable	Prep	3005A			104869	08/22/11 14:10	MEB	TAL MOB
Total Recoverable	Analysis	6010C		1	104932	08/23/11 14:42	ZST	TAL MOB
Total Recoverable	Prep	3005A			104844	08/22/11 10:40	MEB	TAL MOB
Total Recoverable	Analysis	6020		5	104960	08/23/11 23:34	CL	TAL MOB
Total/NA	Analysis	SM 2340B		1	104990	08/23/11 14:42	ZST	TAL MOB
Total Recoverable	Analysis	6020		5	105120	08/25/11 16:04	PNP	TAL MOB
Total/NA	Analysis	SM 5210B		1	84093	08/18/11 15:00	JS	TAL TAL
Total/NA	Analysis	SM 4500 P E		1	84095	08/19/11 09:35	TDW	TAL TAL
Total/NA	Prep	365.2/365.3/365			84126	08/22/11 13:56	TDW	TAL TAL
Total/NA	Analysis	365.1		1	84181	08/23/11 14:26	TDW	TAL TAL
Total/NA	Analysis	353.2		1	84229	08/24/11 11:48	TDW	TAL TAL
Total/NA	Analysis	SM 2540C		1	84248	08/24/11 19:15	CAK	TAL TAL
Total/NA	Analysis	SM 2540D		1	84254	(Start): 08/24/11 19:00 (End): 08/27/11 20:37	CAK	TAL TAL
Total/NA	Analysis	SM 5310C		1	84299	08/25/11 19:21	SRK	TAL TAL
Total/NA	Analysis	Nitrate by calc		1	84369	08/24/11 13:30		TAL TAL
Total/NA	Analysis	Total Nitrogen		1	84429	08/22/11 15:00		TAL TAL
Total/NA	Analysis	UnionizedNH3		1	84430	08/22/11 15:00		TAL TAL
Total/NA	Prep	SM 5220			114177	08/25/11 10:25	EM	TAL TAM
Total/NA	Analysis	SM 5220D		1	114181	08/25/11 14:00	EM	TAL TAM
Total/NA	Analysis	Field Sampling		1	84862	08/17/11 13:50	SF	TAL TAL
Total	Prep	Filtering		1.00	11H4505_P	08/18/11 14:16	MXN	TAL ORL
Total	Analysis	SM 10200H by E83012		1.00	11H4505	08/19/11 11:42	MXN	TAL ORL

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Client Sample ID: Trip Blank 04
Date Collected: 08/17/11 00:00
Date Received: 08/18/11 09:40

Lab Sample ID: 640-34897-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	84190	08/23/11 11:55	LS	TAL TAL

Laboratory References:

= Diversified Environmental Laboratories, 3653 Regent Blvd. Suite 509, Jacksonville, FL 32224
TAL MOB = TestAmerica Mobile, 900 Lakeside Drive, Mobile, AL 36693, TEL (251)666-6633
TAL ORL = TestAmerica Orlando, 8010 Sunport Drive, Suite 116, Orlando, FL 32809, TEL 407.851.2560
TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001
TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tallahassee	Florida	NELAC	4	E81005
TestAmerica Tallahassee	Louisiana	NELAC	6	30663
TestAmerica Tallahassee	New Jersey	NELAC	2	FL012
TestAmerica Tallahassee	Oklahoma	State Program	6	9986
TestAmerica Tallahassee	Texas	NELAC	6	T104704459-11-2
TestAmerica Tallahassee	USDA	USDA		P330-08-00158
TestAmerica Pensacola	Alabama	State Program	4	40150
TestAmerica Pensacola	Arizona	State Program	9	AZ0710
TestAmerica Pensacola	Arkansas	State Program	6	88-0689
TestAmerica Pensacola	Florida	NELAC	4	E81010
TestAmerica Pensacola	Georgia	Georgia EPD	4	N/A
TestAmerica Pensacola	Illinois	NELAC	5	200041
TestAmerica Pensacola	Iowa	State Program	7	367
TestAmerica Pensacola	Kansas	NELAC	7	E-10253
TestAmerica Pensacola	Kentucky	Kentucky UST	4	53
TestAmerica Pensacola	Louisiana	NELAC	6	30976
TestAmerica Pensacola	Maryland	State Program	3	233
TestAmerica Pensacola	Massachusetts	State Program	1	M-FL094
TestAmerica Pensacola	Michigan	State Program	5	9912
TestAmerica Pensacola	New Hampshire	NELAC	1	2505
TestAmerica Pensacola	New Jersey	NELAC	2	FL006
TestAmerica Pensacola	North Carolina	North Carolina DENR	4	314
TestAmerica Pensacola	Oklahoma	State Program	6	9810
TestAmerica Pensacola	Pennsylvania	NELAC	3	68-00467
TestAmerica Pensacola	Rhode Island	State Program	1	LAO00307
TestAmerica Pensacola	South Carolina	State Program	4	96026
TestAmerica Pensacola	Tennessee	State Program	4	TN02907
TestAmerica Pensacola	Texas	NELAC	6	T104704286-11-3
TestAmerica Pensacola	USDA	USDA		P330-10-00407
TestAmerica Pensacola	Virginia	NELAC	3	918
TestAmerica Pensacola	Washington	State Program	10	C915
TestAmerica Pensacola	West Virginia	West Virginia DEP	3	136
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177
TestAmerica Mobile	Alabama	State Program	4	40030
TestAmerica Mobile	Arkansas	State Program	6	88-0765
TestAmerica Mobile	Florida	NELAC	4	E87089
TestAmerica Mobile	Georgia	State Program	4	952
TestAmerica Mobile	Louisiana	NELAC	6	LA0900026
TestAmerica Mobile	Louisiana	NELAC	6	30673
TestAmerica Mobile	Mississippi	State Program	4	N/A
TestAmerica Mobile	North Carolina	North Carolina DENR	4	395
TestAmerica Mobile	South Carolina	State Program	4	75002
TestAmerica Mobile	Tennessee	State Program	4	2979
TestAmerica Mobile	Texas	NELAC	6	T104704460-09A-TX
TestAmerica Mobile	USDA	USDA		P330-08-00039
TestAmerica Mobile	Washington	State Program	10	C1918
TestAmerica Orlando	Florida	NELAC	4	E83012

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL TAL
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL TAL
1631E	Mercury, Low Level (CVAFS)	EPA	TAL PEN
6010C	Metals (ICP)	SW846	TAL MOB
6020	Metals (ICP/MS)	SW846	TAL MOB
7470A	Mercury (CVAA)	SW846	TAL MOB
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	TAL MOB
300.0	Anions, Ion Chromatography	MCAWW	TAL TAL
350.1	Nitrogen, Ammonia	MCAWW	TAL TAL
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL TAL
365.1	Phosphorus, Total	EPA	TAL TAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL TAL
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAL
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL TAL
SM 4500 P E	Orthophosphate	SM	TAL TAL
SM 5210B	BOD, 5-Day	SM	TAL TAL
SM 5220D	COD	SM	TAL TAM
SM 5310C	TOC	SM	TAL TAL
Total Nitrogen	Nitrogen, Total	EPA	TAL TAL
UnionizedNH3	Ammonia, Unionized	FL-DEP	TAL TAL
Field Sampling	Field Sampling	EPA	TAL TAL
Fecal Coliform	SM 9222D Fecal Coliform by MF	NONE	
SM 10200H by E83012	General Chemistry Parameters		TAL ORL

Protocol References:

EPA = US Environmental Protection Agency

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

NONE = NONE

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Diversified Environmental Laboratories, 3653 Regent Blvd. Suite 509, Jacksonville, FL 32224

TAL MOB = TestAmerica Mobile, 900 Lakeside Drive, Mobile, AL 36693, TEL (251)666-6633

TAL ORL = TestAmerica Orlando, 8010 Sunport Drive, Suite 116, Orlando, FL 32809, TEL 407.851.2560

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: Golder Associates Inc.
Project/Site: Trail Ridge Landfill

TestAmerica Job ID: 640-34882-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
640-34882-1	MWB-27(I)c	Water	08/16/11 09:07	08/17/11 14:40
640-34882-2	MWB-27(D)c	Water	08/16/11 08:33	08/17/11 14:40
640-34882-3	Dup02	Water	08/16/11 08:33	08/17/11 14:40
640-34882-4	MWB-22(S)c	Water	08/16/11 07:58	08/17/11 14:40
640-34882-5	MWB-21(S)c	Water	08/16/11 07:26	08/17/11 14:40
640-34882-6	MWB-17(S)c	Water	08/16/11 12:11	08/17/11 14:40
640-34882-7	MWB-17(I)c	Water	08/16/11 13:01	08/17/11 14:40
640-34882-8	MWB-17(D)c	Water	08/16/11 13:35	08/17/11 14:40
640-34882-9	MWB-11(S)c	Water	08/16/11 07:53	08/17/11 14:40
640-34882-10	MWB-11(1)(R)c	Water	08/16/11 08:34	08/17/11 14:40
640-34882-11	MWB-7(S)c	Water	08/16/11 08:59	08/17/11 14:40
640-34882-12	MWB-32(S)d	Water	08/16/11 15:12	08/17/11 14:40
640-34882-13	MWB-32(I)d	Water	08/16/11 14:07	08/17/11 14:40
640-34882-14	MWB-32(D)d	Water	08/16/11 14:40	08/17/11 14:40
640-34882-15	MWB-34(S)d	Water	08/16/11 13:23	08/17/11 14:40
640-34882-16	MWB-34(I)d	Water	08/16/11 12:51	08/17/11 14:40
640-34882-17	MWB-34(D)d	Water	08/16/11 12:19	08/17/11 14:40
640-34882-18	MWB-33(S)d	Water	08/16/11 11:43	08/17/11 14:40
640-34882-19	MWB-29(S)c	Water	08/16/11 11:12	08/17/11 14:40
640-34882-20	MWB-29(I)c	Water	08/16/11 10:42	08/17/11 14:40
640-34882-21	MWB-29(D)c	Water	08/16/11 10:11	08/17/11 14:40
640-34882-22	MWB-27(S)c	Water	08/16/11 09:37	08/17/11 14:40
640-34882-23	MWB-7(D)c	Water	08/16/11 09:34	08/17/11 14:40
640-34882-24	Dup01	Water	08/16/11 09:34	08/17/11 14:40
640-34882-25	MWB-7(1)c	Water	08/16/11 10:06	08/17/11 14:40
640-34882-26	MWB-19(S)c	Water	08/16/11 10:40	08/17/11 14:40
640-34882-27	MWB-19(I)c	Water	08/16/11 11:12	08/17/11 14:40
640-34882-28	MWB-19(D)c	Water	08/16/11 11:44	08/17/11 14:40
640-34882-29	MWB-3(I)b	Water	08/16/11 14:30	08/17/11 14:40
640-34882-30	MWB-3(S)b	Water	08/16/11 15:00	08/17/11 14:40
640-34882-31	MWB-31(D)b	Water	08/16/11 15:49	08/17/11 14:40
640-34882-32	Field Blank 01	Water	08/16/11 16:11	08/17/11 14:40
640-34882-33	Trip Blank 01	Water	08/16/11 00:00	08/17/11 14:40
640-34894-1	MWB-12(D)c	Water	08/17/11 08:00	08/18/11 09:40
640-34894-2	Dup04	Water	08/17/11 08:00	08/18/11 09:40
640-34894-3	MWB-12(1)c	Water	08/17/11 08:42	08/18/11 09:40
640-34894-4	MWB-12(S)c	Water	08/17/11 09:12	08/18/11 09:40
640-34894-5	MWB-13(S)c	Water	08/17/11 10:05	08/18/11 09:40
640-34894-6	MWB-13(I)c	Water	08/17/11 11:00	08/18/11 09:40
640-34894-7	MWB-2(S)b	Water	08/17/11 10:02	08/18/11 09:40
640-34894-8	MWB-2(I)b	Water	08/17/11 09:31	08/18/11 09:40
640-34894-9	MWB-20(S)c	Water	08/17/11 08:20	08/18/11 09:40
640-34894-10	Dup03	Water	08/17/11 08:20	08/18/11 09:40
640-34894-11	Trip Blank 02	Water	08/17/11 00:00	08/18/11 09:40
640-34894-12	Field Blank 02	Water	08/17/11 11:21	08/18/11 09:40
640-34897-1	SW-1	Water	08/17/11 14:15	08/18/11 09:40
640-34897-2	SW-2	Water	08/17/11 14:40	08/18/11 09:40
640-34897-3	SW-3	Water	08/17/11 13:50	08/18/11 09:40
640-34897-4	Trip Blank 04	Water	08/17/11 00:00	08/18/11 09:40

Diversified Environmental Laboratories, Inc.

Amy Marks
Test America
2846 Industrial Plaza Dr
Tallahassee, FL 32301

August 22, 2011

Re:
DELI Project Number: **110817.05**
Client Project Description: **TR Landfill**
Client PO Number:

Dear Ms. Marks:

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date/Time Collected	Date/Time Received
18990	SW-1	08/17/11 14:15	08/17/11 16:04
18991	SW-2	08/17/11 14:40	08/17/11 16:04
18992	SW-3	08/17/11 13:50	08/17/11 16:04

If you have any questions or comments concerning this laboratory report, please do not hesitate to contact us.

Sincerely,

Franklin A. Risk, Jr.
Laboratory Director

Enclosures

Diversified Environmental Laboratories, Inc.
3653 Regent Boulevard
Suite 509
Jacksonville, FL 32224

NELAC #E821059

Phone 904.807.9625
Fax 904.807.9627
Email info@delilab.com
Website www.delilab.com

Diversified Environmental Laboratories, Inc

Case Narrative

August 22, 2011

Test America
Amy Marks

Re: DELI Project Number: **110817.05**
Client Project Description: **TR Landfill**

Enclosed is the case narrative for the above referenced project:

J= For sample 18990, 100 ml of sample was filtered. The plate was smeared with growth, and only 29 colonies were distinguishable enough to be counted.

Unless otherwise noted and where applicable:
These samples were received at the proper temperature and with the proper preservation. The samples were analyzed as received, unless otherwise noted. All results in the Quality Control section are labeled appropriately. All results meet the requirements of the 2003 NELAC standards, unless otherwise noted.. Footnotes are given at the end of the report.

Narrative Page 1 of 1

Diversified Environmental Laboratories, Inc.
3653 Regent Boulevard
Suite 509
Jacksonville, FL 32224

Phone 904.807.9625
Fax 904.807.9627
Email info@delilab.com
Website www.delilab.com

NELAC #E821059

Diversified Environmental Laboratories, Inc.

Report of Laboratory Analysis

DELI Project Number	Test America
110817.05	Project Description: TR Landfill

Report Date: August 22, 2011

DELI Sample Number	18990	Matrix	Non Potable Water
Sample Designation	SW-1	Date/Time Collected	08/17/11 14:15

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Prep Date/Time	Analyst	Analysis Date/Time
Coliform, Fecal	SM 9222 D	29	J	cfu/100mL	1	1	3		ADW	08/17/11 16:25

Diversified Environmental Laboratories, Inc.
3653 Regent Boulevard
Suite 509
Jacksonville, FL 32224

NELAC #E821059

Phone 904.807.9625
Fax 904.807.9627
Email info@delilab.com
Website www.delilab.com

Diversified Environmental Laboratories, Inc.

Report of Laboratory Analysis

DELI Project Number	Test America
110817.05	Project Description: TR Landfill

Report Date: August 22, 2011

DELI Sample Number 18991 — Matrix: Non Potable Water
Sample Designation SW-2 — Date/Time Collected: 08/17/11 14:40

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Prep Date/Time	Analyst	Analysis Date/Time
Coliform, Fecal	SM 9222 D	920	B	cfu/100mL	10	10	30		ADW	08/17/11 16:25

Diversified Environmental Laboratories, Inc.
3653 Regent Boulevard
Suite 509
Jacksonville, FL 32224

NELAC #E821059

Phone 904.807.9625
Fax 904.807.9627
Email info@delilab.com
Website www.delilab.com

Diversified Environmental Laboratories, Inc.

Report of Laboratory Analysis

DELI Project Number	Test America
110817.05	Project Description: TR Landfill

Report Date: August 22, 2011

DELI Sample Number 18992 — Matrix: Non Potable Water

Sample Designation SW-3 — Date/Time Collected: 08/17/11 13:50

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Prep Date/Time	Analyst	Analysis Date/Time
Coliform, Fecal	SM 9222 D	1340	B	cfu/100mL	10	10	30		ADW	08/17/11 16:25

Diversified Environmental Laboratories, Inc.
3653 Regent Boulevard
Suite 509
Jacksonville, FL 32224

NELAC #E821059

Phone 904.807.9625
Fax 904.807.9627
Email info@delilab.com
Website www.delilab.com

Diversified Environmental Laboratories, Inc.

Report of Laboratory Analysis

DELI Project Number	Test America
110817.05	Project Description: TR Landfill

Report Date: August 22, 2011

Footnotes

**	Sample would not ignite under oxygen enriched conditions.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
B	Results based upon colony counts outside the acceptable range.
BTU	QC values are not % RSD or % Recovery, but are the differences in BTU's/Lb between a sample duplicate or from a standard. Acceptance criteria is +/- 55 BTU/Lb.
CN	See Case Narrative
D	Measurement was made in the field.
DB	Sample was dried to a constant weight at 105 degrees C prior to analysis.
I	The reported value is between the laboratory MDL and the laboratory PQL.
IN	Not analyzed due to interference.
ISQ	Insufficient sample quantity to perform the desired analysis.
J	Estimated value; value not accurate.
K	Off scale low. Actual value is known to be less than the value given.
L	Off scale high. Actual value is known to be greather than value given.
N	Presumptive evidence of presence of material.
ND	Not Detected/None Detected
NO MS	Unable to perform matrix spike due to all samples in QC batch being near the upper limit of the calibration curve even with large dilution factor.
O	Sampled, but analysis is lost or not performed.
Pend	Results are pending
pH	The QC values are not the %RSD or %Recovery, but are the differences in pH units between a sample duplicate or from a standard. The acceptance criteria is +/- 0.20 pH units.
Q	Sample held beyond the accepted holding time.
RPD	Relative Percent Deviation
TNTC	Too Numerous To Count
U	Compound was analyzed for, but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Diversified Environmental Laboratories, Inc.
3653 Regent Boulevard
Suite 509
Jacksonville, FL 32224

NELAC #E821059

Phone 904.807.9625
Fax 904.807.9627
Email info@delilab.com
Website www.delilab.com

Batch No: B1995

TestCode: Coli Fec (MF) 9222D

Associated Samples: 18990, 18991, 18992

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number														*18992*	
Coliform, Fecal	<1 U													46.3	

* Indicates value is outside control limits for %Recovery or greater than acceptance criteria for RPD

Footnotes

A	Value reported is the mean (average) of two or more determinations.
BTU	QC values are not % RSD or % Recovery, but are the differences in BTU's/Lb between a sample duplicate or from a standard. Acceptance criteria is +/- 55 BTU/Lb.
I	The reported value is between the laboratory MDL and the laboratory PQL.
Ign	Ignitability - QC values are not % RSD or % Recovery, but are the differences in degrees between a sample duplicate or from a standard. Acceptance criteria is +/- 5C or 9F.
pH	The QC values are not the %RSD or %Recovery, but are the differences in pH units between a sample duplicate or from a standard. The acceptance criteria is +/- 0.20 pH units.
U	Compound was analyzed for, but not detected.

Project Login Form

DELI Project Number: 110817.05 Client Name: Test America

Date Received: 8-17-11 Received by: AW PLF Completed by: AW

Courier/Shipper Information:

☒ Client ☐ DEL, Inc. ☐ Other (describe) _____

Type & Number of Shipping Containers:

#	Shipping Container Description	Crushed Ice	Cooler/Ice Temp. C	Sample Cont. Temp. C
1	(Cooler) Box Other:	(Yes) No	3.6°C	5.9°C
2	Cooler Box Other:	Yes No		
3	Cooler Box Other:	Yes No		
4	Cooler Box Other:	Yes No		
5	Cooler Box Other:	Yes No		

Note: If thermal preservation was used / required, pick a sample container from each cooler and use the IR gun to measure the sample temperature.

Therm Inv. #: 0310 IR Gun Inv. #: 0332

Other Information Checklist:		YES	NO	NA
1	Were custody seals used for shipping containers(s)?	☐	☑	☐
2	If Yes, were the custody seals intact? If no, see comments below.	☐	☐	☑
3	Were custody seals used for sample containers(s)?	☐	☑	☐
4	If Yes, were the custody seals intact? If no, see comments below.	☐	☐	☑
5	Did custody papers accompany samples? (such as COC, specifics, etc.)	☑	☐	☐
6	Were the custody papers properly filled out?	☑	☐	☐
7	Were the sample containers received in good condition? (If no, see comments)	☑	☐	☐
8	Were the sample container labels properly filled out? (date, time, preservation, etc.)	☑	☐	☐
9	Were the labels on the sample containers and custody papers consistent?	☑	☐	☐
10	Were the samples in the correct containers for analysis?	☑	☐	☐
11	Were the correct preservations used for each sample container according to analysis?	☑	☐	☐
12	Were the samples received within the appropriate holding times?	☑	☐	☐
13	Were pH preservation checks made?	☑	☐	☐
14	Were the sample containers provided by DEL, Inc.?	☐	☑	☐
15	Was this a sample kit provided by DEL, Inc.? If Yes, DEL, Inc. Kit #:_____	☐	☑	☐
16	Were the VOA vials free of headspace? (No bubbles present)	☐	☐	☑

Are the samples acceptable for analysis? YES If yes, proceed with login. If no, notify client immediately and list rejection reasons in comments area below. Also, please take any needed further action for rejected sample(s).

Container Preservation Check:

Note: VOA vials will not be checked for pH at sample login. The testing laboratory will perform that check during analysis. The pH of microbiological samples will not be checked, due to the risk of contamination. The pH of Oil & Grease samples will not be checked during sample login, due to the potential loss of product.

DEL, Inc. Sample Number	Parameters	Cooler/ Container #	pH upon receipt	Was a preservative added after pH check?	If Yes, which preservative was added? (Incl. Vol.)	Preservative Lot #	New pH value	Sample container size & type?
18990	Fecal Coliform	1	—	Yes / (No)	—	—	—	100 mL P
18992				Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				

P = Plastic; G = Glass; AG = Amber Glass; TL = Teflon Lid; WM = Wide Mouth

Comments:

Lab General Form 002, Rev. #5, Rev. Date 07/19/11, Effective Date 07/20/11

Sample Login Page 1 of 1

DELI Project #: 110817.05
samples : 18990
18991
18992

TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No: 640-
Client Contact: Amy Marks	Phone:	E-Mail:		Page: 1-1

Company: Test America	Due Date Requested:	Job #:
Address: ~~8933 Western Way~~ #15 2846 Industrial Plaza Dr	TAT Requested (days):	
City: Tallahassee	PO #:	
State, Zip: FL 32301	WO#:	
Phone: ~~(850)~~ 850 878 3994	Project #:	
Email:	SSOW#:	
Project Name: TR Landfill		
Site:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	DELI sample#	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM9222D Fecal Coliform	Total Number of containers	Special Instructions/Note:
	Preservation Code:									
SW-1	18990	8/17/11	1415	G	W			1	1	
SW-2	18991	8/17/11	1445	G	W			1	1	
SW-3	18992	8/17/11	1355	G	W			1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	8/17/11 1640		A. Walter	8-17-11 1604	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 5.6°C, sample temp 5.9°C.

TAL-8240TA 0108

10/05/2011

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/05/2011

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28745-7747.2
Client Contact: Ms. Jennifer Pardy	Phone: 225.907.4060	E-Mail: amy.marks@testamericainc.com		Page: Page 2 of 5
Company: Golder Associates Inc.				Job #: 640-34882
Address: 3730 Chamblee Tucker Road	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Atlanta	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: GA, 30341				
Phone: 770-492-8204(Tel)	PO #: PO105298:4			Other:
Email: jennifer_pardy@golder.com	WO #:			
Project Name: Trail Ridge Landfill/Trail Ridge SA	Project #: 64005280			
Site: Florida	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	SM4500_NO2_B - Nitrite as N	2540C - Total Dissolved Solids	8011 - EDB, DBCP	8260C - Appendix I VOCs	353.2 - Nitrate Nitrite as N	300.0_28D - Chloride	6020, 7470A	6010C - Iron and Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	N	R	N	S	N	D	D		
MWB-27I	8-16	0907	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-27D	8-16	0833	G	W	N		1	1	1	3	3	1	1	1	1		
DUP02	8-16	0833	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-22S	8-16	0758	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-21S	8-16	0726	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-17S	8-16	1211	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-17I	8-16	1301	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-17D	8-16	1335	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-11S	8-16	0753	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-11I (R)	8-16	0834	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-07S	8-16	0859	G	W	N		1	1	1	3	3	1	1	1	1		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8-17-11 1070	PRO-TECH		8/17/11 0730	
2		8/17/11 0934			8-17-11 1440	
3		/				

Custody Seals Intact: △ Yes △ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.4, 0.2, 0.5, 0.4, 0.8
0.4

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/05/2011

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28745-7747.3
Client Contact: Ms. Jennifer Pardy	Phone: 225,907.4060	E-Mail: amy.marks@testamericainc.com		Page: Page 3 of 5
Company: Golder Associates Inc.				Job #: 640-34552
Address: 3730 Chamblee Tucker Road	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341				
Phone: 770-492-8204(Tel)	PO #: PO105298:4			
Email: jennifer_pardy@golder.com	WO #:			
Project Name: Trail Ridge Landfill/Trail Ridge SA	Project #: 64005280			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	SM4500_NO2_B - Nitrite as N	2540C - Total Dissolved Solids	8011 - EDB, DBCP	8260C - Appendix I VOCs	353.2 - Nitrate Nitrite as N	300.0_28D - Chloride	6020, 7470A	6010C - Iron and Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	N	R	N	S	N	D	D		
MWB-32S	8-16	1512	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-32I	8-16	1407	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-32D	8-16	1440	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-34S	8-16	1323	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-34I	8-16	1251	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-34D	8-16	1219	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-33S	8-16	1143	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-29S	8-16	1112	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-29I	8-16	1042	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-29D	8-16	1011	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-27S	8-16	0937	G	W	N		1	1	1	3	3	1	1	1	1		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 8-17-11 0730	Company: PRO-TECH	Received by:	Date/Time: 8/17/11 0730	Company	
Relinquished by:	Date/Time: 8/17/11 1530	Company	Received by: Neal Sa	Date/Time: 8-17-11 1440	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.4 0.2 0.5 0.4, 0.8, 0.4

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

TestAmerica

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28745-7747.4
Client Contact: Ms. Jennifer Pardy	Phone: 225.907.4010	E-Mail: amy.marks@testamericainc.com		Page: Page 4 of 5
Company: Golder Associates Inc.				Job #: 640-34582
Address: 3730 Chamblee Tucker Road	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341				
Phone: 770-492-8204(Tel)	PO #: PO105298:4			
Email: jennifer_pardy@golder.com	WO #:			
Project Name: Trail Ridge Landfill/Trail Ridge SA	Project #: 64005280			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	SM4500_NO2_B - Nitrite as N	2540C - Total Dissolved Solids	8011 - EDB, DBCP	8260C - Appendix I VOCs	353.2 - Nitrate Nitrite as N	300.0_28D - Chloride	6020, 7470A	6010C - Iron and Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	N	R	N	S	N	D	D		
MWB-07D	8-16	0934	G	W	N		1	1	1	3	3	1	1	1	1		
DUP01	8-16	0934	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-07I	8-16	1006	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-19S	8-16	1040	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-19I	8-16	1112	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-19D	8-16	1144	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-03I	8-16	1430	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-03S	8-16	1500	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-31D	8-16	1549	G	W	N		1	1	1	3	3	1	1	1	1		
FIELD BLANK #1	8-16	1611	G	W	N		1	1	1	3	3	1	1	1	1		
TRIP	8-16	—	G	W	N						✓						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8-17-11 / 0730	Company: PRO-TECH	Received by:	Date/Time: 8/17/11	0730	Company	
Relinquished by:	Date/Time: 8/17/11	0930 Company	Received by:	Date/Time: 8-17-11	1490	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:		Company	

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.7, 0.2, 0.5, 0.4, 0.8

10/05/2011

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/05/2011

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28745-7747.5
Client Contact: Ms. Jennifer Pardy	Phone: 225.907.4060	E-Mail: amy.marks@testamericainc.com		Page: Page 5 of 5
Company: Golder Associates Inc.				Job #: 640-34894
Address: 3730 Chamblee Tucker Road	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341				
Phone: 770-492-8204(Tel)	PO #: PO105298:4			
Email: jennifer_pardy@golder.com	WO #:			
Project Name: Trail Ridge Landfill/Trail Ridge SA	Project #: 64005280			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	SM4500_NO2_B - Nitrite as N	2540C - Total Dissolved Solids	8011 - EDB, DBCP	8260C - Appendix I VOCs	353.2 - Nitrate Nitrite as N	300.0_28D - Chloride	6020, 7470A	6010C - Iron and Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	N	R	N	S	N	D	D		
MWB-12D	8-17	0800	G	W	N		1	1	1	3	3	1	1	1	1		
DUP04	8-17	0800	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-12I	8-17	0842	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-12S	8-17	0912	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-13S	8-17	1005	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-13I	8-17	1100	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-04S	8-17	1002	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-04I	8-17	0931	G	W	N		1	1	1	3	3	1	1	1	1		
MWB-20S	8-17	0820	G	W	N		1	1	1	3	3	1	1	1	1		
DUP03	8-17	0820	G	W	N		1	1	1	3	3	1	1	1	1		
TRIP	8-17	—	G	W	N						✓						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8.17.11 / 1500	Company: PRO-TECH	Received by:	Date/Time: 8/18/11 1334	Company: TA
Relinquished by:	Date/Time: 8/18/11 1334	Company	Received by: TA	Date/Time: 8/18/11 940	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6, 0.6, 0.5, 0.4, 0.5, 1.0

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/05/2011

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28745-7747.1
Client Contact: Ms. Jennifer Pardy	Phone: 225. 907-4060	E-Mail: amy.marks@testamericainc.com		Page: Page 1 of 5
Company: Golder Associates Inc.				Job #: 6240-31894
Address: 3730 Chamblee Tucker Road	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341	PO #: PO105298:4			
Phone: 770-492-8204(Tel)	WO #:			
Email: jennifer_pardy@golder.com	Project #: 64005280			
Project Name: Trail Ridge Landfill/Trail Ridge SA	SSOW#:			
Site: Florida				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	SM4500_NO2_B - Nitrite as N	2540C - Total Dissolved Solids	8011 - EDB, DBCP	8260C - Appendix I VOCs	353.2 - Nitrate Nitrite as N	300.0_28D - Chloride	6020, 7470A	6010C - Iron and Sodium				Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	N	R	N	S	N	D	D					
FIELD BLANK #2	8-19	1121	G	W	N		1	1	1	3	3	1	1	1	1					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8-17-11 / 1500	Company: PRO-TECH	Received by:	Date/Time: 8/17/11 1545	Company
Relinquished by:	Date/Time: 8/17/11 1714	Company	Received by: TM	Date/Time: 8/18/11 940	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.6, 0.6, 0.5, 0.4, 0.5, 1.0

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/05/2011

Client Information
Client Contact: Ms. Jennifer Pardy
Company: Golder Associates Inc.
Address: 3730 Chamblee Tucker Road
City: Atlanta
State, Zip: GA, 30341
Phone: 770-492-8204(Tel)
Email: jennifer_pardy@golder.com
Project Name: Trail Ridge Landfill
Site: Florida

Sampler: DAN ARMOUR
Phone: 225.907.4068
Lab PM: Marks, Amy
E-Mail: amy.marks@testamericainc.com
Carrier Tracking No(s):
COC No: 640-28748-7749.1
Page: Page 1 of 2
Job #: 640-34899

Due Date Requested:
TAT Requested (days):
PO #: PO105298:4
WO #:
Project #: 64005280
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1631E - Mercury	351.2, 365.1, Nitrogen,Total	SM4500_NO2_B - Nitrite as N	SUBCONTRACT - SM 10200H-Chlorophyll a (TA Orlando)	5210B - Biochemical Oxygen Demand	2540C, 2540D	8011 - EDB, DBCP	8260C - Appendix I VOCs	353.2 - NOx / 350.1 - NH3 / UnionizedNH3	5310C - Total Organic Carbon	4500_P_E_Ortho - ortho-Phosphate	5220D - Chemical Oxygen Demand	6020 - App I Metals / 6010C - Iron / 2340B - Ha	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	N	N	N	N	R	N	S	S	N	S	D		
SW-1	8-17	1415	G	W	N		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
SW-2	8-17	1440	G	W	N		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
SW-3	8-17	1350	G	W	N		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
TRIP	8-17	—	G	W	N									✓							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	8-17-11 / 1500	Pro-Tech	Received by:	8/17/11 1540	TA
Relinquished by:	8/17/11 1730		Received by: TA	8/18/11 945	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6, 0.6, 0.5, 0.4, 0.5, 1.0°

Jacksonville Service Center
8933 Western Way Suite 1
Jacksonville, FL 32256
Phone (904) 519-9551 Fax (904) 519-9552

Chain of Custody Record

640 - 34897

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: DAN ARMOUR	Lab PM: Marks, Amy	Carrier Tracking No(s):	COC No: 640-28748-7749.2
Client Contact: Ms. Jennifer Pardy	Phone: 225, 907.4060	E-Mail: amy.marks@testamericainc.com		Page: Page 2 of 2
Company: Golder Associates Inc.				Job #: ~~640-34897~~ 19
Address: 3730 Chamblee Tucker Road	Due Date Requested:		Analysis Requested	
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30341	PO #: PO105298:4			
Phone: 770-492-8204(Tel)	WO #:			
Email: jennifer_pardy@golder.com	Project #: 64005280			
Project Name: Trail Ridge Landfill	SSOW#:			
Site: Florida				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - SM9222D-Fecal Coliform (Diversified Env'	8260C - Appendix I VOCs	Total Number of containers	Special Instructions/Note:
	Preservation Code:						N	N		
SW-1	8-17	1415	G	W	N		✓	✓		
SW-2	8-17	1440	G	W	N		✓	✓		
SW-3	8-17	1350	G	W	N		✓	✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8-17-11 1500	Company: Pro-Tech	Received by:	Date/Time: 8/17/11 1500	Company: TA
Relinquished by:	Date/Time: 8/17/11 1730	Company	Received by: TM	Date/Time: 8/18/11 940	Company: TM
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6, 0.6, 0.5, 0.4, 0.5, 1.0°

10/05/2011

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB27I	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 52.5 feet to 62.5 feet	STATIC DEPTH TO WATER (feet): 5.26		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 128.63			GROUNDWATER ELEVATION (ft NGVD): 123.37		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 62.50 feet) + 0.05 gallons = 0.73 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 57.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 57.50	PURGING INITIATED AT: 0846	PURGING ENDED AT: 0907		TOTAL VOLUME PURGED (gallons): 5.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0857	2.75	2.75	0.25	5.35	5.23	22.8	51	0.5	8.07	40		
0900	0.75	3.50	0.25	5.36	5.27	22.6	51	0.5	8.16	38		
0903	0.75	4.25	0.25	5.36	5.28	22.6	52	0.5	7.57	37		
0906	0.75	5.00	0.25	5.37	5.29	22.6	52	0.5	7.65	35	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0907		SAMPLING ENDED AT: NR
DAN ARMOUR / PRO-TECH				
PUMP OR TUBING DEPTH IN WELL (feet): 57.50	TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB27D	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 100 feet to 110 feet	STATIC DEPTH TO WATER (feet): 5.61	PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 128.88 GROUNDWATER ELEVATION (ft NGVD): 123.27

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 110.00 feet) + 0.05 gallons = 1.01 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 105.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 105.00	PURGING INITIATED AT: 0811	PURGING ENDED AT: 0833	TOTAL VOLUME PURGED (gallons): 7.48

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0823	4.08	4.08	0.34	5.65	5.49	22.5	85	0.2	0.32	34		
0826	1.02	5.10	0.34	5.65	5.46	22.4	86	0.2	0.52	30		
0829	1.02	6.12	0.34	5.65	5.47	22.4	86	0.2	0.59	31		
0832	1.02	7.14	0.34	5.65	5.46	22.3	87	0.2	0.77	29	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0833	SAMPLING ENDED AT: NR
DAN ARMOUR / PRO-TECH			

PUMP OR TUBING DEPTH IN WELL (feet): 105.00	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:
COMPLETED DUP #2 AT MWB27D

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionaliy, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB22S | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 16 feet to 26 feet | STATIC DEPTH TO WATER (feet): 12.20 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 126.97 | GROUNDWATER ELEVATION (ft NGVD): 114.77

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 26.00 feet) + 0.05 gallons = 0.51 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.00 | PURGING INITIATED AT: 0737 | PURGING ENDED AT: 0758 | TOTAL VOLUME PURGED (gallons): 3.99

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0748	2.09	2.09	0.19	12.28	5.34	26.5	248	0.5	7.94	77		
0751	0.57	2.66	0.19	12.28	5.37	26.6	248	0.5	8.01	72		
0754	0.57	3.23	0.19	12.27	5.38	26.6	250	0.5	7.60	70		
0757	0.57	3.80	0.19	12.28	5.38	26.5	252	0.6	7.78	68	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 0758 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 21.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB21S | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet | STATIC DEPTH TO WATER (feet): 11.20 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 122.84 | GROUNDWATER ELEVATION (ft NGVD): 111.64

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 18.00 feet) + 0.05 gallons = 0.46 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.00 | PURGING INITIATED AT: 0704 | PURGING ENDED AT: 0726 | TOTAL VOLUME PURGED (gallons): 3.74

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0716	2.04	2.04	0.17	11.24	4.32	25.8	46	0.4	4.58	146		
0719	0.51	2.55	0.17	11.27	4.37	25.8	45	0.4	4.26	142		
0722	0.51	3.06	0.17	11.24	4.36	25.8	42	0.4	4.00	139		
0725	0.51	3.57	0.17	11.25	4.38	25.8	41	0.4	4.08	136	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 0726 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 13.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB17S	SAMPLE ID:		DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 8.3 feet to 18.3 feet	STATIC DEPTH TO WATER (feet) 3.38		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 138.31			GROUNDWATER ELEVATION (ft NGVD): 129.93		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 18.30 feet) + 0.05 gallons = 0.46 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.80	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1210	TOTAL VOLUME PURGED (gallons): 3.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1201	2.09	2.09	0.19	9.03	5.34	28.4	123	1.6	10.25	-47.6		
1204	0.57	2.66	0.19	9.03	5.40	28.4	125	1.8	2.12	-57.7		
1207	0.57	3.23	0.19	9.03	5.40	28.1	125	1.8	2.28	-59.2		
1210	0.57	3.80	0.19	9.03	5.40	28.2	124	1.8	1.99	-60.3	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEAUR / DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S): Ben Ramseaur	SAMPLING INITIATED AT: 1211	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 13.80	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB17I	SAMPLE ID:		DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 56.13 feet to 60.13 feet	STATIC DEPTH TO WATER (feet): 5.18		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 138.43			GROUNDWATER ELEVATION (ft NGVD): 133.25		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 60.13 feet) + 0.05 gallons = 0.71 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55.13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55.13	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1300		TOTAL VOLUME PURGED (gallons): 4.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~µmhos/cm~~ or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1244	1.80	1.80	0.20	5.18	4.70	26.9	28	0.0	0.83	-43.5		
1248	0.60	2.40	0.20	5.18	4.69	26.7	28	0.0	0.72	-45.6		
1252	0.60	3.00	0.20	5.18	4.69	26.7	28	0.0	0.66	-47.7		
1256	0.60	3.60	0.20	5.18	4.69	26.8	28	0.0	0.52	-48.1		
1260	0.60	4.20	0.20	5.18	4.69	26.9	28	0.0	0.54	-48.0	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; ~~3/8~~" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEYAR/AS DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S): Ben Ramseyer	SAMPLING INITIATED AT: 1301		SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 55.13	TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB17D	SAMPLE ID:		DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 117.32 feet to 127.32 feet	STATIC DEPTH TO WATER (feet): 8.79	PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 138.52 | GROUNDWATER ELEVATION (ft NGVD): 129.73

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 127.32 feet) + 0.05 gallons = 1.11 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 122.32	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 122.32	PURGING INITIATED AT: 1309	PURGING ENDED AT: 1334	TOTAL VOLUME PURGED (gallons): 5.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1319	2.30	2.30	0.23	9.25	5.19	25.2	49	0.0	1.42	-24.7		
1324	1.15	3.45	0.23	9.25	5.24	25.1	49	0.0	1.21	-35.6		
1329	1.15	4.60	0.23	9.25	5.21	25.2	49	0.0	1.01	-38.7		
1334	1.15	5.75	0.23	9.25	5.22	25.2	49	0.0	0.83	-38.3	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; (3/8") = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMIREZ / DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S): Ben Ramirez	SAMPLING INITIATED AT: 1335	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 122.35	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB11S | SAMPLE ID: | DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 9.5 feet to 19.5 feet | STATIC DEPTH TO WATER (feet): 13.15 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 120.81 | GROUNDWATER ELEVATION (ft NGVD): 107.66

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 19.50 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.50 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.50 | PURGING INITIATED AT: 0733 | PURGING ENDED AT: 0752 | TOTAL VOLUME PURGED (gallons): 3.42

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0743	1.80	1.80	0.18	13.23	3.75	23.5	149	0.3	4.49	246		
0746	0.54	2.34	0.18	13.23	3.75	23.6	147	0.2	3.04	185		
0749	0.54	2.88	0.18	13.23	3.75	23.6	146	0.2	3.13	179		
0752	0.54	3.42	0.18	13.23	3.76	23.6	146	0.2	3.09	175	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; (3/8") = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEY/DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramsey | SAMPLING INITIATED AT: 0753 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 14.50 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	X SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MW811I (R) | SAMPLE ID: | DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 45 feet to 55 feet | STATIC DEPTH TO WATER (feet): 12.56 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 120.43 | GROUNDWATER ELEVATION (ft NGVD): 107.87

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 55.00 feet) + 0.05 gallons = 0.68 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50.00 | PURGING INITIATED AT: 0805 | PURGING ENDED AT: 0833 | TOTAL VOLUME PURGED (gallons): 5.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0817	2.40	2.40	0.20	12.66	4.71	24.2	35	0.5	4.31	-39.8		
0824	0.80	3.20	0.20	12.66	4.70	24.3	35	0.5	2.98	-50.1		
0825	0.80	4.00	0.20	12.66	4.70	24.3	35	0.5	2.81	-53.1		
0829	0.80	4.80	0.20	12.66	4.70	24.3	35	0.5	2.78	-58.2		
0833	0.80	5.60	0.20	12.66	4.69	24.4	35	0.5	2.79	-59.7	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEAUR / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramseaur | SAMPLING INITIATED AT: 0834 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 50.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2; optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL | DATE: 08/16/2011

WELL NO: MW875 | SAMPLE ID:

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet | STATIC DEPTH TO WATER (feet): 10.05 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 123.29 | GROUNDWATER ELEVATION (ft NGVD): ~~113.24~~ 113.26

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY Bf
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.00 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | PURGING INITIATED AT: 0838 | PURGING ENDED AT: 0858 | TOTAL VOLUME PURGED (gallons): 3.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0849	1.87	1.87	0.17	10.13	4.59	27.7	146	0.2	17.55	-84.5		
0852	0.51	2.38	0.17	10.14	4.59	27.8	145	0.2	16.11	-85.5		
0855	0.51	2.89	0.17	10.14	4.61	27.8	145	0.2	15.23	-90.1		
0858	0.51	3.40	0.17	10.14	4.62	27.8	144	0.2	14.87	-92.9	BROWN	
											TINT	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEYER / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramseyer | SAMPLING INITIATED AT: 0859 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB32S	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 9.9 feet to 19.9 feet	STATIC DEPTH TO WATER (feet): 8.30		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 124.64			GROUNDWATER ELEVATION (ft NGVD): 116.34		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 19.90 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.90	PURGING INITIATED AT: 1452	PURGING ENDED AT: 1512		TOTAL VOLUME PURGED (gallons): 3.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1502	1.70	1.70	0.17	8.72	5.15	25.7	242	~~9.81~~ DH	9.81	62		
1505	0.51	2.21	0.17	8.70	5.20	25.7	247	0.4	9.92	57		
1508	0.51	2.72	0.17	8.72	5.21	25.6	250	0.4	9.84	55		
1511	0.51	3.23	0.17	8.71	5.21	25.6	253	0.4	9.65	52	NONE	TO
											A LT. BROWN	
											TINT	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1512		SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 14.90	TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	X SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB32I | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH 54.56 feet to 64.56 feet | STATIC DEPTH TO WATER (feet): 7.01 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 124.79 | GROUNDWATER ELEVATION (ft NGVD): 117.78

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 64.56 feet) + 0.05 gallons = 0.74 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 59.56 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 59.56 | PURGING INITIATED AT: 1335 | PURGING ENDED AT: 1407 | TOTAL VOLUME PURGED (gallons): 9.28

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1357	6.38	6.38	0.29	7.14	5.27	22.1	40	0.3	40.52	66		
1400	0.87	7.25	0.29	7.12	5.30	22.1	40	0.3	42.85	65		
1403	0.87	8.12	0.29	7.15	5.30	22.1	41	0.3	42.26	61		
1406	0.87	8.99	0.29	7.15	5.31	22.1	41	0.3	43.73	60	WHITISH TINT	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1407 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 59.56 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB32D | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 98.8 feet to 108.8 feet | STATIC DEPTH TO WATER (feet): 7.36 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 124.93 | GROUNDWATER ELEVATION (ft NGVD): 117.57

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 108.81 feet) + 0.05 gallons = 1.00 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 103.81 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 103.81 | PURGING INITIATED AT: 1418 | PURGING ENDED AT: 1440 | TOTAL VOLUME PURGED (gallons): 7.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1430	4.20	4.20	0.35	7.38	6.03	22.5	122	0.3	4.83	-12		
1433	1.05	5.25	0.35	7.38	6.05	22.5	124	0.3	5.16	-12		
1436	1.05	6.30	0.35	7.39	6.03	22.5	125	0.3	5.96	-9		
1439	1.05	7.35	0.35	7.39	6.05	22.5	126	0.3	5.13	-11	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1440 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 103.81 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm | FILTER SIZE: | Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropyiene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB34S	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH 8.36 feet to 18.36 feet	STATIC DEPTH TO WATER (feet): 9.52	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 125.78			GROUNDWATER ELEVATION (ft NGVD): 116.20	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 18.36 feet) + 0.05 gallons = 0.46 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.36	PURGING INITIATED AT: 1304	PURGING ENDED AT: 1323		TOTAL VOLUME PURGED (gallons): 3.04

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmnos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1313	1.44	1.44	0.16	9.84	5.97	26.2	873	0.4	7.97	48		
1316	0.48	1.92	0.16	9.85	5.93	26.2	866	0.4	5.91	45		
1319	0.48	2.40	0.16	9.85	5.96	26.2	860	0.4	4.15	42		
1322	0.48	2.88	0.16	9.86	5.96	26.2	858	0.4	3.56	40	NONE	TO A
											VERY SLIGHT	
											YELLOW	TINT

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1323	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 13.36	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MW834I	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH 43,95 feet to 53,95 feet	STATIC DEPTH TO WATER (feet): 8.66	PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 125,80 GROUNDWATER ELEVATION (ft NGVD): 117.14

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 53,95 feet) + 0.05 gallons = 0.67 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48,95	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48,95	PURGING INITIATED AT: 1230	PURGING ENDED AT: 1251		TOTAL VOLUME PURGED (gallons): 5.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1241	2,75	2,75	0,25	8,73	5,07	25,6	42	0,3	5,32	97		
1244	0,75	3,50	0,25	8,70	5,08	25,5	43	0,4	5,39	98		
1247	0,75	4,25	0,25	8,70	5,07	25,5	43	0,3	5,74	98		
1250	0,75	5,00	0,25	8,72	5,08	25,5	42	0,3	5,35	94	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1251	SAMPLING ENDED AT: NR
DAN ARMOUR / PRO-TECH			

PUMP OR TUBING DEPTH IN WELL (feet): 48,95	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MW834D | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH 90.78 feet to 100.78 feet | STATIC DEPTH TO WATER (feet): 8.85 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 125.92 | GROUNDWATER ELEVATION (ft NGVD): 117.07

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 100.78 feet) + 0.05 gallons = 0.95 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 95.78 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 95.78 | PURGING INITIATED AT: 1157 | PURGING ENDED AT: 1219 | TOTAL VOLUME PURGED (gallons): 7.26

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1209	3.96	3.96	0.33	8.88	6.90	25.0	419	0.2	2.97	-85		
1212	0.99	4.95	0.33	8.89	6.90	25.0	419	0.2	2.57	-86		
1215	0.99	5.94	0.33	8.88	6.91	25.0	419	0.2	2.31	-85		
1218	0.99	6.93	0.33	8.89	6.91	25.0	419	0.2	2.49	-85	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010. 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1219 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 95.78 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	~~X~~ SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB33S | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 10.3 feet to 20.3 feet	STATIC DEPTH TO WATER (feet): 10.14	PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 125.90 | GROUNDWATER ELEVATION (ft NGVD): 115.76

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.30 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.30	PURGING INITIATED AT: 1123	PURGING ENDED AT: 1143	TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1133	1.60	1.60	0.16	10.40	5.33	26.7	167	0.6	7.16	4		
1136	0.48	2.08	0.16	10.40	5.36	21.7	168	0.7	7.75	4		
1139	0.48	2.56	0.16	10.42	5.36	26.7	170	0.6	7.81	5		
1142	0.48	3.04	0.16	10.42	5.35	26.7	170	0.7	7.38	6	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 15.30	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	X SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB29S	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 7.36		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 138.02			GROUNDWATER ELEVATION (ft NGVD): 130.66		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.00 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	PURGING INITIATED AT: 1052	PURGING ENDED AT: 1112		TOTAL VOLUME PURGED (gallons): 3.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1102	1.80	1.80	0.18	7.52	4.52	27.4	50	0.6	3.93	50		
1105	0.54	2.34	0.18	7.53	4.52	27.3	52	0.6	3.97	49		
1108	0.54	2.88	0.18	7.54	4.52	27.3	53	0.6	4.10	49		
1111	0.54	3.42	0.18	7.52	4.51	27.3	54	0.6	3.98	48	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1112	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 15.00	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB29I	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH 53.5 feet to 63.5 feet	STATIC DEPTH TO WATER (feet): 4.68		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 138.08			GROUNDWATER ELEVATION (ft NGVD): 133.40		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 63.50 feet) + 0.05 gallons = 0.73 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 58.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 58.50	PURGING INITIATED AT: 1021	PURGING ENDED AT: 1042		TOTAL VOLUME PURGED (gallons): 5.46

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1032	2.86	2.86	0.26	4.74	4.88	23.8	35	0.4	14.08	58		
1035	0.78	3.64	0.26	4.74	4.90	23.8	36	0.4	14.33	58		
1038	0.78	4.42	0.26	4.73	4.90	23.8	36	0.4	14.83	57		
1041	0.78	5.20	0.26	4.73	4.90	23.8	36	0.4	14.38	55	VERY SLT TAN	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1042	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 58.50	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB29D | SAMPLE ID: | DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 100.5 feet to 110.5 feet | STATIC DEPTH TO WATER (feet): 4.82 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 138.18 | GROUNDWATER ELEVATION (ft NGVD): 133.36

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 110.50 feet) + 0.05 gallons = 1.01 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 105.50 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 105.50 | PURGING INITIATED AT: 0949 | PURGING ENDED AT: 1011 | TOTAL VOLUME PURGED (gallons): 7.72

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1001	4.20	4.20	0.35	4.84	5.29	23.8	62	0.3	2.62	57		
1004	1.05	5.25	0.35	4.85	5.33	23.8	63	0.3	2.52	60		
1007	1.05	6.30	0.35	4.85	5.31	23.8	63	0.3	2.79	56		
1010	1.05	7.35	0.35	4.85	5.35	23.8	63	0.3	2.68	53	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1011 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 105.50 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB27S	SAMPLE ID:		DATE: 8-16-11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5.5 feet to 15.5 feet	STATIC DEPTH TO WATER (feet): 6.35		PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 128.42			GROUNDWATER ELEVATION (ft NGVD): 122.07		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 15.50 feet) + 0.05 gallons = 0.44 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.50	PURGING INITIATED AT: 0917	PURGING ENDED AT: 0937		TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0927	1.60	1.60	0.16	6.81	4.47	25.3	341	0.4	3.93	170		
0930	0.48	2.08	0.16	6.80	4.49	25.2	335	0.5	3.17	164		
0933	0.48	2.56	0.16	6.83	4.50	25.1	329	0.4	3.37	168		
0936	0.48	3.04	0.16	6.83	4.50	25.2	327	0.5	3.71	164	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0937	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 13.50	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL | DATE: 08/16/2011

WELL NO: MWB7D DUP01 | SAMPLE ID:

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 107 feet to 117 feet | STATIC DEPTH TO WATER (feet): 2.95 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 121.65 | GROUNDWATER ELEVATION (ft NGVD): 118.70

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 117.00 feet) + 0.05 gallons = 1.05 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 112.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 112.00 | PURGING INITIATED AT: 0908 | PURGING ENDED AT: 0933 | TOTAL VOLUME PURGED (gallons): 5.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0918	2.20	2.20	0.22	3.00	7.23	25.8	313	0.0	0.96	-87.0		
0923	1.10	3.30	0.22	3.00	7.25	25.6	313	0.0	0.83	-92.7		
0928	1.10	4.40	0.22	3.00	7.26	25.6	313	0.0	0.80	-95.5		
0933	1.10	5.50	0.22	3.00	7.26	25.5	313	0.0	0.59	-97.2	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEY/DAN ARMOUR/PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramsey | SAMPLING INITIATED AT: 0934 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 112.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS: COMPLETED DUP01 @ MWB-7D

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MW87I	SAMPLE ID:		DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 55 feet to 65 feet	STATIC DEPTH TO WATER (feet): 5.00	PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 121.53 GROUNDWATER ELEVATION (ft NGVD): 116.53

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 65.00 feet) + 0.05 gallons = 0.74 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60.00	PURGING INITIATED AT: 0943	PURGING ENDED AT: 1005	TOTAL VOLUME PURGED (gallons): 4.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~µmhos/cm~~ or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0953	2.00	2.00	0.20	5.00	4.96	27.0	41	0.0	1.22	-63.0		
0957	0.80	2.80	0.20	5.00	4.93	26.8	39	0.0	1.36	-65.7		
1001	0.80	3.60	0.20	5.00	4.93	27.4	39	0.0	0.50	-66.5		
1005	0.80	4.40	0.20	5.00	4.94	27.3	39	0.0	0.45	-68.9	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEUR/DAN ARMOUR/PRO-TECH	SAMPLER(S) SIGNATURE(S): Ben Ramseur	SAMPLING INITIATED AT: 1006	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 60.00	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB19S | SAMPLE ID: | DATE: 09/16/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet | STATIC DEPTH TO WATER (feet): 9.40 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 127.38 | GROUNDWATER ELEVATION (ft NGVD): 117.98

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.00 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | PURGING INITIATED AT: 1016 | PURGING ENDED AT: 1039 | TOTAL VOLUME PURGED (gallons): 4.14

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1027	1.98	1.98	0.18	9.50	4.07	27.2	120	0.2	4.88	-7.4		
1030	0.54	2.52	0.18	9.50	4.07	27.2	121	0.2	3.60	-7.1		
1033	0.54	3.06	0.18	9.50	4.07	27.3	121	0.2	3.41	-7.2		
1036	0.54	3.60	0.18	9.50	4.07	27.3	121	0.2	2.55	-7.9		
1039	0.54	4.14	0.18	9.30	4.08	27.4	121	0.2	2.47	-8.0		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; (3/8") = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEGAUER / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramsegauer | SAMPLING INITIATED AT: 1040 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB19I | SAMPLE ID: | DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 49 feet to 59 feet | STATIC DEPTH TO WATER (feet): 8.62 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 127.94 | GROUNDWATER ELEVATION (ft NGVD): 119.32

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 59.00 feet) + 0.05 gallons = 0.70 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 54.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 54.00 | PURGING INITIATED AT: 1050 | PURGING ENDED AT: 1111 | TOTAL VOLUME PURGED (gallons): 3.99

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1059	1.71	1.71	0.19	8.75	4.77	26.4	31	0.4	2.70	-50.2		
1103	0.76	2.47	0.19	8.75	4.79	26.4	32	0.3	1.25	-60.0		
1107	0.76	3.23	0.19	8.75	4.80	26.3	32	0.3	1.18	-61.6		
1111	0.76	3.99	0.19	8.75	4.79	26.6	32	0.3	1.01	-65.2	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEUR/AR DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramseur | SAMPLING INITIATED AT: 1112 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 54.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB19D	SAMPLE ID:		DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 105.5 feet to 115.5 feet	STATIC DEPTH TO WATER (feet): 8.55	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 128.23		GROUNDWATER ELEVATION (ft NGVD): 119.68		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 115.50 feet) + 0.05 gallons = 1.04 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 110.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 110.50	PURGING INITIATED AT: 1118	PURGING ENDED AT: 1143	TOTAL VOLUME PURGED (gallons): 5.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1128	2.20	2.20	0.22	10.12	7.11	28.8	331	0.2	3.25	-64.9		
1133	1.10	3.30	0.22	10.12	7.12	29.3	331	0.1	3.35	-69.3		
1138	1.10	4.40	0.22	10.12	7.12	29.3	330	0.1	2.27	-74.6		
1143	1.10	5.50	0.22	10.12	7.13	29.1	330	0.1	2.22	-77.3	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEAWAN / DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S): Ben Rampeawan	SAMPLING INITIATED AT: 1144	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 110.50	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB3I | SAMPLE ID: | DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 52 feet to 62 feet | STATIC DEPTH TO WATER (feet): 15.35 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 151.86 | GROUNDWATER ELEVATION (ft NGVD): 136.51

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 62.00 feet) + 0.05 gallons = 0.72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 57.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 57.00 | PURGING INITIATED AT: 1405 | PURGING ENDED AT: 1429 | TOTAL VOLUME PURGED (gallons): 4.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1417	2.40	2.40	0.20	16.11	4.47	23.2	37	0.3	6.20	-7.8		
1421	0.80	3.20	0.20	16.11	4.47	23.1	36	0.3	2.36	-14.4		
1425	0.80	4.00	0.20	16.11	4.47	22.9	36	0.3	1.84	-20.7		
1429	0.80	4.80	0.20	16.11	4.47	22.9	35	0.2	1.72	-22.8	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; (3/8") = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEAUR / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramseaur | SAMPLING INITIATED AT: 1430 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 57.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MW83S | SAMPLE ID: | DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet | STATIC DEPTH TO WATER (feet): 12.65 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 154.38 | GROUNDWATER ELEVATION (ft NGVD): 141.73

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.00 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | PURGING INITIATED AT: 1440 | PURGING ENDED AT: 1459 | TOTAL VOLUME PURGED (gallons): 3.42

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1450	1.80	1.80	0.18	13.11	4.23	24.6	58	0.2	7.08	234		
1453	0.54	2.34	0.18	13.10	4.24	24.7	58	0.2	6.33	231		
1456	0.54	2.88	0.18	13.10	4.23	24.6	58	0.2	5.08	229		
1459	0.54	3.42	0.18	13.10	4.24	24.7	58	0.1	4.77	226	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; (3/8") = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEWAR / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramjaewar | SAMPLING INITIATED AT: 1500 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB31D	SAMPLE ID:		DATE: 08/16/2011

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 119 feet to 129 feet	STATIC DEPTH TO WATER (feet): 19.15	PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 156.15 GROUNDWATER ELEVATION (ft NGVD): 137.00

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 129.00 feet) + 0.05 gallons = 1.12 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 124.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 124.00	PURGING INITIATED AT: 1520	PURGING ENDED AT: 1548		TOTAL VOLUME PURGED (gallons): 6.21

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1532	2.76	2.76	0.23	20.40	6.83	25.2	334	1.8	1.36	-60.6		
1537	1.15	3.91	0.23	20.40	6.85	25.0	336	1.8	0.98	-59.8		
1542	1.15	5.06	0.23	20.40	6.86	25.1	336	1.8	0.77	-59.2		
1547	1.15	6.21	0.23	20.40	6.88	25.0	336	1.9	0.72	-58.7	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RANGEARAJAN / DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S): Ben Rangearajan	SAMPLING INITIATED AT: 1549	SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 124.00	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	X SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB12D | SAMPLE ID: | DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 102 feet to 112 feet | STATIC DEPTH TO WATER (feet): 5.76 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 124.56 | GROUNDWATER ELEVATION (ft NGVD): 118.80

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0.3 gallons + (0.006 gallons/foot X 112.00 feet) + 0.05 gallons = 1.02 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 107.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 107.00 | PURGING INITIATED AT: 0737 | PURGING ENDED AT: 0800 | TOTAL VOLUME PURGED (gallons): 8.05

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0750	4.55	4.55	0.35	5.80	6.89	25.5	356	0.2	2.00	-129		
0753	1.05	5.60	0.35	5.80	6.89	25.5	358	0.2	2.21	-128		
0756	1.05	6.65	0.35	5.80	6.90	25.4	358	0.2	2.03	-125		
0759	1.05	7.70	0.35	5.81	6.90	25.3	358	0.2	2.08	-124	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 0800 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 107.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) (replaced) | DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS: COMPLETED DUP #4 AT MWB12D

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: MWB12I	SAMPLE ID:		DATE: 8.17.11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 61.5 feet to 71.5 feet	STATIC DEPTH TO WATER (feet): 7.10	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 124.62			GROUNDWATER ELEVATION (ft NGVD): 117.52	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 71.50 feet) + 0.05 gallons = 0.78 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 66.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 66.50	PURGING INITIATED AT: 0820	PURGING ENDED AT: 0842		TOTAL VOLUME PURGED (gallons): 5.94

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) umhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0832	3.24	3.24	0.27	7.13	4.92	25.7	37	0.5	0.91	98		
0835	0.81	4.05	0.27	7.14	4.94	25.6	37	0.4	0.80	94		
0838	0.81	4.86	0.27	7.14	4.95	25.6	38	0.4	1.26	91		
0841	0.81	5.67	0.27	7.15	4.95	25.6	38	0.5	1.30	87	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0842		SAMPLING ENDED AT: NR
DAN ARMOUR / PRO-TECH				
PUMP OR TUBING DEPTH IN WELL (feet): 66.50	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:		FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) replaced)		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB12S | SAMPLE ID: | DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 14.5 feet to 24.5 feet | STATIC DEPTH TO WATER (feet): 10.85 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 124.63 | GROUNDWATER ELEVATION (ft NGVD): 113.78

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 24.50 feet) + 0.05 gallons = 0.5 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.50 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19.50 | PURGING INITIATED AT: 0852 | PURGING ENDED AT: 0912 | TOTAL VOLUME PURGED (gallons): 3.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0902	1.90	1.90	0.19	12.13	5.29	25.3	134	0.6	17.32	86		
0905	0.57	2.47	0.19	12.16	5.31	25.3	131	0.6	14.61	84		
0908	0.57	3.04	0.19	12.15	5.31	25.4	129	0.6	15.23	84		
0911	0.57	3.61	0.19	12.16	5.33	25.3	128	0.6	15.08	84	Brown Tint	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 0912 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 19.50 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB13S | SAMPLE ID: | DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	3/8	16.56 feet to 21.56 feet	14.11	BP

WELL ELEVATION TOC (ft NGVD): 126.06 | GROUNDWATER ELEVATION (ft NGVD): 111.95

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 26.56 feet) + 0.05 gallons = 0.51 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
21.56	21.56	0945	1005	3.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0955	1.80	1.80	0.18	18.10	5.55	26.8	379	0.6	11.94	161		
0958	0.54	2.34	0.18	18.10	5.58	26.8	378	0.6	11.22	165		
1001	0.54	2.88	0.18	18.12	5.60	26.7	379	0.6	10.21	163		
1004	0.54	3.42	0.18	18.10	5.61	26.7	379	0.6	10.41	164	BROWN TINT	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.86
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.0016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAN ARMOUR / PRO-TECH		1005	NR

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
21.56	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MW813I | SAMPLE ID: | DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH 50.9 feet to 60.9 feet | STATIC DEPTH TO WATER (feet): 17.14 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 125.98 | GROUNDWATER ELEVATION (ft NGVD): 108.84

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 60.40 feet) + 0.05 gallons = 0.71 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55.40 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55.40 | PURGING INITIATED AT: 1038 | PURGING ENDED AT: 1100 | TOTAL VOLUME PURGED (gallons): 5.72

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1050	3.12	3.12	0.26	17.29	4.78	25.1	35	0.3	4.39	52		
1053	0.78	3.90	0.26	17.30	4.80	25.2	35	0.4	4.33	56		
1056	0.78	4.68	0.26	17.30	4.80	25.1	35	0.3	4.54	53		
1059	0.78	5.46	0.26	17.30	4.78	25.1	35	0.4	4.65	55	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1100 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 55.40 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MW825 | SAMPLE ID: | DATE: 08/17/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet | STATIC DEPTH TO WATER (feet): 10.80 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 146.67 | GROUNDWATER ELEVATION (ft NGVD): 135.87

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.00 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | PURGING INITIATED AT: 0941 | PURGING ENDED AT: 1001 | TOTAL VOLUME PURGED (gallons): 3.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~mhos/cm~~ or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0952	1.87	1.87	0.17	10.92	4.25	24.7	63	0.5	7.10	-21.0		
0955	0.51	2.38	0.17	10.92	4.24	24.8	63	0.6	1.88	-20.3		
0958	0.51	2.89	0.17	10.92	4.25	24.9	63	0.5	1.57	-20.7		
1001	0.51	3.40	0.17	10.92	4.26	24.9	63	0.5	1.36	-19.0	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEYER / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramseyer | SAMPLING INITIATED AT: 1002 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) replaced | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB2I | SAMPLE ID: | DATE: 08/17/2011

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH 51.5 feet to 61.5 feet | STATIC DEPTH TO WATER (feet): 9.85 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 145.73 | GROUNDWATER ELEVATION (ft NGVD): ~~9.85~~ 135.88 BR

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0.3 gallons + (0.006 gallons/foot X 61.50 feet) + 0.05 gallons = 0.72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 56.50 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 56.50 | PURGING INITIATED AT: 0902 | PURGING ENDED AT: 0930 | TOTAL VOLUME PURGED (gallons): 5.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) ~~mmhos/cm~~ or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0914	2.40	2.40	0.20	9.88	4.64	23.3	34	0.2	2.81	-166		
0918	0.80	3.20	0.20	9.88	4.64	23.3	35	0.2	0.52	-165		
0922	0.80	4.00	0.20	9.88	4.63	23.3	35	0.2	0.34	-165		
0926	0.80	4.80	0.20	9.88	4.62	23.3	35	0.2	0.73	-166		
0930	0.80	5.60	0.20	9.88	4.62	23.2	35	0.1	0.82	-166	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMSEAUR/DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Ramseaur | SAMPLING INITIATED AT: 0931 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 56.50 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) replaced | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: MWB20S DUP03 | SAMPLE ID: | DATE: 08/17/2010

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet | STATIC DEPTH TO WATER (feet): 9.35 | PURGE PUMP TYPE OR BAILER: BP

WELL ELEVATION TOC (ft NGVD): 121.01 | GROUNDWATER ELEVATION (ft NGVD): 111.66

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.3 gallons + (0.006 gallons/foot X 20.00 feet) + 0.05 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | PURGING INITIATED AT: 0756 | PURGING ENDED AT: 0815 | TOTAL VOLUME PURGED (gallons): 3.42

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~mmhos/cm~~ or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0806	1.80	1.80	0.18	9.58	4.23	26.2	104	0.3	10.51	-150		
0809	0.54	2.34	0.18	9.58	4.23	26.3	106	0.3	11.58	-148		
0812	0.54	2.88	0.18	9.58	4.23	26.3	109	0.2	8.86	-147		
0815	0.54	3.42	0.18	9.58	4.22	26.3	111	0.2	9.13	-146	BROWN TINT	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BEN RAMPENAUER / DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): Ben Rampenauer | SAMPLING INITIATED AT: 0820 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): 15.00 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: (Y) N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS: COMPLETED DUP03 @ MWB20S

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: SW-1 | SAMPLE ID: | DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches): NA | TUBING DIAMETER (inches): NA | WELL SCREEN INTERVAL DEPTH: — feet to — feet | STATIC DEPTH TO WATER (feet): NA | PURGE PUMP TYPE OR BAILER: NA

WELL ELEVATION TOC (ft NGVD): NA | GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA | FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA | PURGING INITIATED AT: NA | PURGING ENDED AT: NA | TOTAL VOLUME PURGED (gallons): NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1415	NA	NA	NA	NA	7.15	26.8	251	4.3	4.11	44	SLT. YELLOW TINT	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1415 | SAMPLING ENDED AT: NR

PUMP OR TUBING DEPTH IN WELL (feet): NA | TUBING MATERIAL CODE: NA | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS: SW-1 = SURFACE WATER POINT
* LITTLE TO NO FLOW INTO OR OUT OF POUND

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE		SITE LOCATION: JACKSONVILLE, FL	
WELL NO: SW-2	SAMPLE ID:		DATE: 8-F-11

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: — feet to — feet	STATIC DEPTH TO WATER (feet): NA		PURGE PUMP TYPE OR BAILER: NA
WELL ELEVATION TOC (ft NGVD): NA			GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: NA	PURGING ENDED AT: NA	TOTAL VOLUME PURGED (gallons): NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1440	NA	NA	NA	NA	5.75	25.6	50	5.6	3.97	112	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.86
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1440	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): NA	TUBING MATERIAL CODE: NA	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced)		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:
SW-2 = SURFACE WATER POINT

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TRAIL RIDGE | SITE LOCATION: JACKSONVILLE, FL

WELL NO: SW-3 | SAMPLE ID: | DATE: 8-17-11

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: – feet to – feet	STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:
NA	NA		NA		NA

WELL ELEVATION TOC (ft NGVD): NA | GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):
NA	NA	NA	NA		NA

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1350	NA	NA	NA	NA	6.96	30.5	496	4.7	41.71	35	LT. TAN	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:		SAMPLING ENDED AT:
DAN ARMOUR / PRO-TECH		1350		NR

PUMP OR TUBING DEPTH IN WELL (feet): NA | TUBING MATERIAL CODE: NA | FIELD-FILTERED: Y (N) µm Filtration Equipment Type: | FILTER SIZE:

FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	* SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:
SW-3 = SURFACE WATER POINT

MATERIAL CODES: (Specify) AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

APPENDIX C
HYDRAULIC GRADIENT CALCULATIONS

Appendix C
Hydraulic Gradient Calculations
Trail Ridge Landfill, Jacksonville, Florida
FDEP Permit 0013493-017-SO / WACS ID Number NED/16/00033628

Made by: SSG
Checked by: JLP
Reviewd by: KSB

Purpose: To determine groundwater flow direction and calculate horizontal hydraulic gradients for shallow, intermediate, and deep portions of the surficial aquifer at the Trail Ridge Landfill.

Method for Determination of Horizontal Hydraulic Gradient:

$$i = \frac{\Delta h}{\Delta s} = \frac{GWE_A - GWE_B}{\underline{AB}}$$

Where:

i	Hydraulic gradient (dimensionless)
Δh	Difference of hydraulic head
Δs	Horizontal distance between two points
$GWE_{A, B}$	Groundwater elevation of points A and B (in feet)
$\underline{AB}$	The horizontal distance between points A and B (in feet), where AB is perpendicular to potentiometric contours

Using the following groundwater elevation data:

	GWE_A	GWE_B
Shallow	135' contour	MWB-22(S)
Intermediate	135' contour	MWB-12(I)
Deep	MWB-31(D)	120' contour

	GWE (feet)	ft
MWB-22(S)	114.77	
MWB-12(I)	117.53	
MWB-31(D)	137.00	

Appendix C
Hydraulic Gradient Calculations
Trail Ridge Landfill, Jacksonville, Florida
FDEP Permit 0013493-017-SO / WACS ID Number NED/16/00033628

Made by: SSG
Checked by: JLP
Reviewd by: KSB

Goal: Calculate the hydraulic gradient for the surficial aquifer - shallow depth

Condition: Static

$$i = \frac{\Delta h}{\Delta s} = \frac{GWE_A - GWE_B}{AB}$$

Shallow gradient:

$$i = \frac{\text{135' contour - MWB-22(S)}}{\text{2600'}} = \frac{\text{135' - 114.77'}}{\text{2600'}}$$

$$i = 0.0078 \text{ ft/ft}$$

Intermediate gradient:

$$i = \frac{\text{135' contour - MWB-12(I)}}{\text{2500'}} = \frac{\text{135' - 117.53'}}{\text{2500'}}$$

$$i = 0.0070 \text{ ft/ft}$$

Deep gradient:

$$i = \frac{\text{MWB-31(D) -120' contour}}{\text{2300'}} = \frac{\text{137.00' - 120'}}{\text{2300'}}$$

$$i = 0.0074 \text{ ft/ft}$$

Average gradient:

$$i = 0.0074 \text{ ft/ft}$$

Appendix C
Hydraulic Gradient Calculations
Trail Ridge Landfill, Jacksonville, Florida
FDEP Permit 0013493-017-SO / WACS ID Number NED/16/00033628

Made by:	SSG
Checked by:	JLP
Reviewd by:	KSB

Horizontal Hydraulic Gradients:

Shallow horizontal gradient is	0.0078	ft/ft
Intermediate horizontal gradient is	0.0070	ft/ft
Deep horizontal gradient is	0.0074	ft/ft
Average horizontal gradient is	0.0074	ft/ft

Groundwater Flow Direction:

Groundwater flow is to the east, moving perpendicular to potentiometric contours from high to low hydraulic head values.

APPENDIX D
ADAPT DATA PACKAGE
(NOT INCLUDED IN PDF)

APPENDIX E
GROUND WATER MONITORING REPORT CERTIFICATION

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name Trail Ridge Landfill, Inc.

Address 5110 U.S. Highway 301

City Baldwin, FL Zip 32234 County Duval

Telephone Number (850)474-8846

(2) WACS Facility ID NED/16/00033628

(3) DEP Permit Number0013495-017-SO

(4) Authorized Representative's Name Eric Parker Title Env. Protection Manager

Address 5110 U.S. Highway 301

City Baldwin, FL Zip 32234 County Duval

Telephone Number (904)289-9100 Ex. 212

Email address (if available) EParker1@wm.com

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

11/09/11
(Date)

Eric Parker
(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Professional Tech. Support Services (ProTech)

Analytical Lab NELAC / HRS Certification # Florida E81005

Lab Name Test America, Inc.

Address 2846 Industrial Plaza Drive, Tallahassee, FL 32301

Phone Number (850) 878-3994

Email address (if available) amy.marks@testamaricainc.com