TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-2009-1
Client Project/Site: West Lake Landfill
Revision: 1

For:
Engineering Management Support, Inc.
7220 W. Jefferson AVE
Suite 406
Lakewood, Colorado 80235

Attn: Mr. Paul Rosasco

Rhonda Ridenhower

Authorized for release by:
4/30/2013 10:21:29 AM

Rhonda Ridenhower
Customer Service Manager
rhonda.ridenhower@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 160-2009-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: Engineering Management Support, Inc.

Project: West Lake Landfill

Report Number: 160-2009-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.0º C and 3.0º C.
Revision 1- VOA list modified, removed non-applicable narratives.

VOLATILE ORGANIC COMPOUNDS (GC MS)

Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), FB@PZ-110-SS (160-2009-7), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21), DUP02 (160-2009-22) and TRIP BLANK (160-2009-23) were analyzed for volatile organic compounds (GC MS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/08/2013, 04/09/2013 and 04/10/2013.

Analytical batch 45286
ICAL-8260C-F5mL-RSD15Low

Job ID: 160-2009-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

F130325B

The ICV %D for Vinyl acetate is within the method upper QC limit of +30%D; it is outside the upper limit of 20% required by some clients. The sample will require re-analysis if this analyte is found above the reporting limit in samples with the 20% requirement.sec-Butylbenzene was removed from the initial calibration highest point due to elevated response. The surrogate compounds (Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene) were not spiked at the initial calibration highest point because the recoveries do not warrant the high concentration. The initial calibration still meets the TestAmerica's point selection policy. No further action is required.

The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 45286 was outside control limits for Acetone. The MS/MSD recovery for Acetone is within QC limits.

Analytical batch 46058
ICAL-8260C-F5mL-RSD15Low
F130325B

The ICV %D for Vinyl acetate is within the method upper QC limit of +30%D; it is outside the upper limit of 20% required by some clients. The sample will require re-analysis if this analyte is found above the reporting limit in samples with the 20% requirement.sec-Butylbenzene was removed from the initial calibration highest point due to elevated response. The surrogate compounds (Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene) were not spiked at the initial calibration highest point because the recoveries do not warrant the high concentration. The initial calibration still meets the TestAmerica's point selection policy. No further action is required.

The continuing calibration verification (CCV) for 4-Methyl-2-pentanone associated with batch 46058 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The sample was analyzed at a dilution due to the high concentration of a target analyte. The reporting limit has been adjusted only for the target reported from the dilution run. LR-105 (160-2009-5

Analytical batch 45293
ICAL-8260C-F5mL-RSD15Low
F130325B

The ICV %D for Vinyl acetate is within the method upper QC limit of +30%D; it is outside the upper limit of 20% required by some clients. The sample will require re-analysis if this analyte is found above the reporting limit in samples with the 20% requirement.sec-Butylbenzene was removed from the initial calibration highest point due to elevated response. The surrogate compounds (Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene) were not spiked at the initial calibration highest point because the recoveries do not warrant the high concentration. The initial calibration still meets the TestAmerica's point selection policy. No further action is required.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

METALS (ICP)-Dissolved

Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21) and DUP02 (160-2009-22) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/08/2013 and analyzed on 04/10/2013 and 04/11/2013.

Prep batch 44896, analytical batch 45557
The following samples were diluted to bring the concentration of target analytes (sodium and calcium) within the calibration range: D-12 (160-2009-14), LR-103 (160-2009-6), LR-105 (160-2009-5), PZ-303-AS (160-2009-13). Elevated reporting limits (RLs) are provided.

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Laboratory: TestAmerica St. Louis (Continued)

Prep batch 44898, analytical batch 45557
The following samples were diluted to bring the concentration of target analytes (calcium) within the calibration range: DUP02 (160-2009-22), I-11 (160-2009-17), LR-104 (160-2009-20). Elevated reporting limits (RLs) are provided.

Prep batch 44896, analytical batch 45512
The following sample(s) was diluted due to the nature of the sample matrix. The sample digestates were yellow in color: (160-2009-1 MS), (160-2009-1 MSD), (160-2009-1 SD), D-12 (160-2009-14), D-13 (160-2009-11), D-81 (160-2009-3), I-62 (160-2009-9), LR-100 (160-2009-4), LR-103 (160-2009-6), LR-105 (160-2009-5), PZ-110-SS (160-2009-8), PZ-207-AS (160-2009-2), PZ-302-AI (160-2009-1), PZ-303-AS (160-2009-13), PZ-304-AS (160-2009-12), S-8 (160-2009-10). Elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 44896 were outside control limits for potassium. The RPD was within method limits indicating possible matrix interference. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 44896 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The initial calibration verification (ICV) for analytical batch 45512 exceeded upper control criteria for Thallium. The samples were ND for Thallium and the data has been qualified and reported.

Prep batch 44898, analytical batch 45512
Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 44898 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The following samples were diluted due to the nature of the sample matrix the sample digestates were yellow in color: (160-2009-15 MS), (160-2009-15 MSD), (160-2009-15 SD), DUP01 (160-2009-21), DUP02 (160-2009-22), I-11 (160-2009-17), LR-104 (160-2009-20), PZ-105-SS (160-2009-18), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), S-10 (160-2009-19). Elevated reporting limits (RLs) are provided

The initial calibration verification (ICV) for analytical batch 45512 exceeded upper control criteria for Thallium. The samples were ND for Thallium and the data has been qualified and reported.

No other difficulties were encountered during the ICP analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21) and DUP02 (160-2009-22) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013 and 04/10/2013.

Prep batch 44899, 44901, analytical batch 45340
The following samples were diluted to bring the concentration of target analytes (sodium and calcium) within the calibration range: D-12 (160-2009-14), DUP02 (160-2009-22), I-11 (160-2009-17), LR-103 (160-2009-6), LR-105 (160-2009-5), PZ-303-AS (160-2009-13). Elevated reporting limits (RLs) are provided.

Prep batch 44899, Analytical batch 45279
The following samples were diluted due to the nature of the sample matrix. The digestates were yellow in color: (160-2009-1 MS), (160-2009-1 MSD), (160-2009-1 SD), D-12 (160-2009-14), D-13 (160-2009-11), D-81 (160-2009-3), I-62 (160-2009-9), LR-100 (160-2009-4), LR-103 (160-2009-6), LR-105 (160-2009-5), PZ-110-SS (160-2009-8), PZ-207-AS (160-2009-2), PZ-302-AI (160-2009-1), PZ-303-AS (160-2009-13), PZ-304-AS (160-2009-12), S-8 (160-2009-10). Elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 44899 were outside control limits for potassium. The RPD is

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Laboratory: TestAmerica St. Louis (Continued)

within method limits indicating possible matrix interference. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 44899 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The ICV was above upper control limits for thallium and the CRI was above upper control limits for selenium. The samples are ND for these elements and the data is reported with this narrative.

Prep batch 44901, analytical batch 45279
The following samples were diluted due to the nature of the sample matrix. The digestates were yellow in color: (160-2009-15 MS), (160-2009-15 MSD), (160-2009-15 SD), DUP01 (160-2009-21), DUP02 (160-2009-22), I-11 (160-2009-17), LR-104 (160-2009-20), PZ-105-SS (160-2009-18), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), S-10 (160-2009-19). Elevated reporting limits (RLs) are provided.

Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 44901 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The ICV was above upper control limits for thallium and the CRI was above upper control limits for selenium. The samples are ND for these elements and the data is reported with this narrative.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY
Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21) and DUP02 (160-2009-22) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/15/2013.

Prep batch 46000, analytical batch 46210: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) exceeded control limits for the following analytes: Mercury. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

QC was requested on sample 2009-15, however, there was insufficient sample remaining to perform the MS/MSD. QC was instead done on sample 2009-2.

The continuing calibration verifications (CCVs) (CCV 160-46210/55), (CCV 160-46210/67), (CCV 160-46210/79), (CCV 160-46210/91) for analytical batch 46210 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21) and DUP02 (160-2009-22) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/15/2013.

Prep batch 45996, analytical batch 46210: Due to matrix interference, the matrix spike / matrix spike duplicate (MS/MSD) recoveries were

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outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

QC was requested on sample 2009-15, however, there was insufficient sample remaining to perform the MS/MSD. QC was instead done on sample 2009-2.

The continuing calibration verifications (CCVs) (CCV 160-46210/55), (CCV 160-46210/67), (CCV 160-46210/79), (CCV 160-46210/91) for analytical batch 46210 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

ANIONS

Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21) and DUP02 (160-2009-22) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 04/05/2013, 04/06/2013, 04/08/2013 and 04/09/2013.

The following samples were diluted to bring the concentrations of Chloride and Sulfate within the calibration range in batch 45379: (160-2009-2 DU), (160-2009-2 MS), (160-2009-14 MS), (160-2009-22 DU), (160-2009-22 MS), D-12 (160-2009-14), D-13 (160-2009-11), DUP02 (160-2009-22), I-11 (160-2009-17), LR-100 (160-2009-4), LR-103 (160-2009-6), LR-105 (160-2009-5), PZ-110-SS (160-2009-8), PZ-207-AS (160-2009-2), PZ-303-AS (160-2009-13), PZ-304-AI (160-2009-16), PZ-304-AS (160-2009-12), S-10 (160-2009-19). Elevated reporting limits (RLs) are provided.

The following samples were diluted to bring the concentrations of Chloride, Sulfate, and Bromide within the calibration range in batch 44919: D-13 (160-2009-11), D-81 (160-2009-3), DUP01 (160-2009-21), I-11 (160-2009-17), I-62 (160-2009-9), LR-100 (160-2009-4), LR-104 (160-2009-20), LR-105 (160-2009-5), PZ-105-SS (160-2009-18), PZ-110-SS (160-2009-8), PZ-111-SD (160-2009-15), PZ-302-AI (160-2009-1), S-8 (160-2009-10). Elevated reporting limits (RLs) are provided.

For Nitrate in batch 44919, the following samples were received with greater than 50% of holding time expired: D-81 (160-2009-3), LR-100 (160-2009-4), LR-103 (160-2009-6), LR-105 (160-2009-5), PZ-302-AI (160-2009-1). As such, the laboratory had insufficient time remaining to perform the analysis within 48 hour holding time.

The matrix spike (MS) performed on sample 2009-1 was outside control limits for Nitrate in batch 44919. The associated laboratory control sample (LCS) recovery met acceptance criteria, as did all other reported MS recoveries.

The %RPD for sample 2009-1 and its duplicate are outside of acceptance criteria for Nitrate in batch 44919. %RPD is not applicable for values near the reporting limit. The sample and its duplicate are within +/- the RL. Results are reported.

For IC batch 45379, analysis of the following sample was performed outside of the analytical holding time for Nitrate due to an auto-sampler error in the original run on 4/5/13, in which the sample did not inject: DUP02 (160-2009-22).

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

ALKALINITY

Samples PZ-302-AI (160-2009-1), PZ-207-AS (160-2009-2), D-81 (160-2009-3), LR-100 (160-2009-4), LR-105 (160-2009-5), LR-103 (160-2009-6), PZ-110-SS (160-2009-8), I-62 (160-2009-9), S-8 (160-2009-10), D-13 (160-2009-11), PZ-304-AS (160-2009-12), PZ-303-AS (160-2009-13), D-12 (160-2009-14), PZ-111-SD (160-2009-15), PZ-304-AI (160-2009-16), I-11 (160-2009-17), PZ-105-SS (160-2009-18), S-10 (160-2009-19), LR-104 (160-2009-20), DUP01 (160-2009-21) and DUP02 (160-2009-22) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 04/09/2013 and 04/10/2013.

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Laboratory: TestAmerica St. Louis (Continued)

For the Alkalinity analysis of the associated samples in batch #45323, the samples were analyzed at a dilution based on high concentrations of target analytes. The reporting limit has been adjusted accordingly.LR-100 (160-2009-4), LR-105 (160-2009-5), PZ-207-AS (160-2009-2), PZ-304-AS (160-2009-12)

For the Alkalinity analysis of the associated sample in batch #45228, the matrix spike recovery is outside the QC limit of 80%-120%. Laboratory performance is shown to be in control with acceptable LCS and LCS values. The recovery problem encountered is matrix related. (160-2009-1 MS)

No other difficulties were encountered during the alkalinity analyses.

All other quality control parameters were within the acceptance limits.

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Chain of Custody Record

CER274

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No: 160-264-117.1
Client Contact: Mr. John Regan	Phone: 636-939-9111	E-Mail:		Page: ~~Page 1 of 8~~ 1 of 3
Company: Herst & Associates				Job #:
Address: 4631 North St. Peters Parkway	Due Date Requested:			
City: St. Charles	TAT Requested (days):			
State, Zip: MO, 63304				
Phone:	PO #:			
Email: jregan@herstassociates.com	WO #:			
Project Name: Westlake Landfill	Project #:			
Site:	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)	310.1 - Alkalinity	300 - Anions, Ion Chromatography	6010C, 7470A	8260C -	Dissolved 6010C, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	A	D		
PZ-302-AI	4/3/13	1145	G	Water			X	X	X	X	X		
PZ-307-AS		1505		Water			X	X	X	X	X		
D-81		1340		Water			X	X	X	X	X		
LR-100		1327		Water			X	X	X	X	X		VOA effervesced - unpreserved
LR-105		1424		Water			X	X	X	X	X		VOA effervesced - unpreserved
LR-103	4/3/13	1530		Water			X	X	X	X	X		
~~FB~~ PZ-110-SS	4/4/13	0930		Water			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		8260C only
PZ-110-SS		1027		Water			X	X	X	X	X		
I-62		1042		Water			X	X	X	X	X		
S-8		1132		Water			X	X	X	X	X		
D-13	4/4/13	1155	G	Water			X	X	X	X	X		

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
[signature]	4/5/13 0855	Herst	[signature]	4.5.13 0855	TA STL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
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:

TestAmerica St. Louis
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No: 160-264-117.2
Client Contact: Mr. John Regan	Phone: 636-939-9111	E-Mail:		Page: ~~Page 2 of 8~~ 2 of 3
Company: Herst & Associates				Job #:
Address: 4631 North St. Peters Parkway	Due Date Requested:			
City: St. Charles	TAT Requested (days):			
State, Zip: MO, 63304				
Phone:	PO #:			
Email: jregan@herstassociates.com	WO #:			
Project Name: Westlake Landfill	Project #:			
Site:	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)	310.1 - Alkalinity	300 - Anions, Ion Chromatography	8010C, 7470A	8260C -	Dissolved COC, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	A	D		
PZ-304-AS	4/4/13	1256	G	Water			X	X	X	X	X		Lab effervesced-unpreserved
PZ-303-AS		1300		Water			X	X	X	X	X		
D-12		1350		Water			X	X	X	X	X		
PZ-111-50		1352		Water	Y		X	X	X	X	X		
PZ304-AI		1408		Water			X	X	X	X	X		Lab effervesced-unpreserved
I-11		1440		Water			X	X	X	X	X		
PZ-105-55		1506		Water			X	X	X	X	X		
S-10		1525		Water			X	X	X	X	X		
LR-104		1552		Water			X	X	X	X	X		
Dup01		-		Water			X	X	X	X	X		
Dup02	4/4/13	-	G	Water			X	X	X	X	X		

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
[signature]	4/5/13 0855	Herst	Cali Clark	4.5.13 0855	TA STL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
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:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No: 160-264-117.3
Client Contact: Mr. John Regan	Phone: 636-939-9111	E-Mail:		Page: ~~Page 3 of 8~~ 3 of 3
Company: Herst & Associates				Job #:
Address: 4631 North St. Peters Parkway	Due Date Requested:			
City: St. Charles	TAT Requested (days):			
State, Zip: MO, 63304				
Phone:	PO #:			
Email: jregan@herstassociates.com	WO #:			
Project Name: Westlake Landfill	Project #:			
Site:	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)	310.1 - Alkalinity	300 - Anions, Ion Chromatography	6010C, 7470A	8260C -	Dissolved Gold, Mn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	A	D		
Trip Blank	—	—	—	Water						X			
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									

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	[signature]	4/5/13 0855	Herst	[signature] Clark	4-5-13 0855	TA STL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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:

Login Sample Receipt Checklist

Client: Engineering Management Support, Inc.

Job Number: 160-2009-1

Login Number: 2009

List Source: TestAmerica St. Louis

List Number: 1

Creator: Clarke, Jill

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
E	Result exceeded calibration range.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SL
6010C	Metals (ICP)	SW846	TAL SL
7470A	Mercury (CVAA)	SW846	TAL SL
300.0	Anions, Ion Chromatography	MCAWW	TAL SL
310.1	Alkalinity	MCAWW	TAL SL

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-2009-1	PZ-302-AI	Water	04/03/13 11:45	04/05/13 09:16
160-2009-2	PZ-207-AS	Water	04/03/13 15:05	04/05/13 09:16
160-2009-3	D-81	Water	04/03/13 13:40	04/05/13 09:16
160-2009-4	LR-100	Water	04/03/13 13:27	04/05/13 09:16
160-2009-5	LR-105	Water	04/03/13 14:24	04/05/13 09:16
160-2009-6	LR-103	Water	04/03/13 15:30	04/05/13 09:16
160-2009-7	FB@PZ-110-SS	Water	04/04/13 09:30	04/05/13 09:16
160-2009-8	PZ-110-SS	Water	04/04/13 10:27	04/05/13 09:16
160-2009-9	I-62	Water	04/04/13 10:42	04/05/13 09:16
160-2009-10	S-8	Water	04/04/13 11:32	04/05/13 09:16
160-2009-11	D-13	Water	04/04/13 11:55	04/05/13 09:16
160-2009-12	PZ-304-AS	Water	04/04/13 12:56	04/05/13 09:16
160-2009-13	PZ-303-AS	Water	04/04/13 13:00	04/05/13 09:16
160-2009-14	D-12	Water	04/04/13 13:50	04/05/13 09:16
160-2009-15	PZ-111-SD	Water	04/04/13 13:52	04/05/13 09:16
160-2009-16	PZ-304-AI	Water	04/04/13 14:08	04/05/13 09:16
160-2009-17	I-11	Water	04/04/13 14:40	04/05/13 09:16
160-2009-18	PZ-105-SS	Water	04/04/13 15:06	04/05/13 09:16
160-2009-19	S-10	Water	04/04/13 15:25	04/05/13 09:16
160-2009-20	LR-104	Water	04/04/13 15:52	04/05/13 09:16
160-2009-21	DUP01	Water	04/04/13 00:00	04/05/13 09:16
160-2009-22	DUP02	Water	04/04/13 00:00	04/05/13 09:16
160-2009-23	TRIP BLANK	Water	04/04/13 00:00	04/05/13 09:16

Detection Summary

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-302-AI — Lab Sample ID: 160-2009-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	360		250	20	ug/L	5		6010C	Total/NA
Calcium	200000		5000	530	ug/L	5		6010C	Total/NA
Iron	1800		500	140	ug/L	5		6010C	Total/NA
Magnesium	55000		5000	660	ug/L	5		6010C	Total/NA
Manganese	260		75	17	ug/L	5		6010C	Total/NA
Selenium	21	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	63000		5000	1600	ug/L	5		6010C	Total/NA
Aluminum	590	J	1000	400	ug/L	5		6010C	Dissolved
Arsenic	11	J	50	9.9	ug/L	5		6010C	Dissolved
Barium	380		250	20	ug/L	5		6010C	Dissolved
Calcium	210000		5000	530	ug/L	5		6010C	Dissolved
Iron	2700		500	140	ug/L	5		6010C	Dissolved
Magnesium	58000		5000	660	ug/L	5		6010C	Dissolved
Manganese	280		75	17	ug/L	5		6010C	Dissolved
Selenium	14	J	75	13	ug/L	5		6010C	Dissolved
Sodium	65000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	60	J	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.022	H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.36		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.11	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	700		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	63	B	4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	56		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-207-AS — Lab Sample ID: 160-2009-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.56	J	5.0	0.28	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	3.6	J	5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	2.3	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	16		5.0	0.38	ug/L	1		8260C	Total/NA
Isopropylbenzene	1.8	J	5.0	0.26	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.79	J	5.0	0.40	ug/L	1		8260C	Total/NA
Arsenic	29	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	860		250	20	ug/L	5		6010C	Total/NA
Calcium	140000		5000	530	ug/L	5		6010C	Total/NA
Iron	21000		500	140	ug/L	5		6010C	Total/NA
Magnesium	81000		5000	660	ug/L	5		6010C	Total/NA
Manganese	93		75	17	ug/L	5		6010C	Total/NA
Potassium	67000		25000	8300	ug/L	5		6010C	Total/NA
Sodium	260000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	22	J	250	20	ug/L	5		6010C	Total/NA
Zinc	74	J	100	26	ug/L	5		6010C	Total/NA
Arsenic	35	J	50	9.9	ug/L	5		6010C	Dissolved
Barium	820		250	20	ug/L	5		6010C	Dissolved
Calcium	140000		5000	530	ug/L	5		6010C	Dissolved
Iron	20000		500	140	ug/L	5		6010C	Dissolved
Magnesium	82000		5000	660	ug/L	5		6010C	Dissolved
Manganese	100		75	17	ug/L	5		6010C	Dissolved
Potassium	65000		25000	8300	ug/L	5		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-207-AS (Continued)

Lab Sample ID: 160-2009-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	250000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	38	J	100	26	ug/L	5		6010C	Dissolved
Mercury	0.15	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.099	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.0044	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	2.9		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	0.35	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.24	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity - DL	1200		25	2.7	mg/L	5		310.1	Total/NA
Chloride - RADL	210		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: D-81

Lab Sample ID: 160-2009-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.78	J	5.0	0.16	ug/L	1		8260C	Total/NA
Barium	410		250	20	ug/L	5		6010C	Total/NA
Calcium	230000		5000	530	ug/L	5		6010C	Total/NA
Iron	19000		500	140	ug/L	5		6010C	Total/NA
Magnesium	56000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1100		75	17	ug/L	5		6010C	Total/NA
Selenium	24	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	20000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	11	J	50	9.9	ug/L	5		6010C	Dissolved
Barium	390		250	20	ug/L	5		6010C	Dissolved
Calcium	230000		5000	530	ug/L	5		6010C	Dissolved
Iron	18000		500	140	ug/L	5		6010C	Dissolved
Magnesium	56000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1100		75	17	ug/L	5		6010C	Dissolved
Sodium	20000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	30	J	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.018	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.19	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	960		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	15	B	4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	40		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: LR-100

Lab Sample ID: 160-2009-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.47	J	5.0	0.28	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	6.3		5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	7.7		5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	54		5.0	0.38	ug/L	1		8260C	Total/NA
Chloroethane	0.46	J	10	0.38	ug/L	1		8260C	Total/NA
Cyclohexane	0.76	J	10	0.36	ug/L	1		8260C	Total/NA
Isopropylbenzene	16		5.0	0.26	ug/L	1		8260C	Total/NA
o-Xylene	0.35	J	5.0	0.32	ug/L	1		8260C	Total/NA
Barium	430		250	20	ug/L	5		6010C	Total/NA
Calcium	110000		5000	530	ug/L	5		6010C	Total/NA
Iron	19000		500	140	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: LR-100 (Continued)

Lab Sample ID: 160-2009-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.0	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	61000		5000	660	ug/L	5		6010C	Total/NA
Manganese	140		75	17	ug/L	5		6010C	Total/NA
Potassium	89000		25000	8300	ug/L	5		6010C	Total/NA
Sodium	180000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	31	J	100	26	ug/L	5		6010C	Total/NA
Barium	430		250	20	ug/L	5		6010C	Dissolved
Calcium	110000		5000	530	ug/L	5		6010C	Dissolved
Iron	20000		500	140	ug/L	5		6010C	Dissolved
Magnesium	65000		5000	660	ug/L	5		6010C	Dissolved
Manganese	160		75	17	ug/L	5		6010C	Dissolved
Potassium	91000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	190000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	27	J	100	26	ug/L	5		6010C	Dissolved
Mercury	0.080	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.083	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.0049	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	1.9		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.28	J	1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate - DL	30		10	1.0	mg/L	20		300.0	Total/NA
Alkalinity - DL	1000		25	2.7	mg/L	5		310.1	Total/NA
Chloride - RADL	160		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: LR-105

Lab Sample ID: 160-2009-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	33		5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	8.2		5.0	0.25	ug/L	1		8260C	Total/NA
Chloroethane	0.96	J	10	0.38	ug/L	1		8260C	Total/NA
Ethylbenzene	1.1	J	5.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	40		5.0	0.26	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.50	J	5.0	0.40	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	16		5.0	0.57	ug/L	1		8260C	Total/NA
o-Xylene	1.1	J	5.0	0.32	ug/L	1		8260C	Total/NA
Xylenes, Total	17		10	0.85	ug/L	1		8260C	Total/NA
Chlorobenzene - DL	220		10	0.76	ug/L	1		8260C	Total/NA
Aluminum	900	J	1000	400	ug/L	5		6010C	Total/NA
Barium	820		250	20	ug/L	5		6010C	Total/NA
Calcium	69000		5000	530	ug/L	5		6010C	Total/NA
Iron	14000		500	140	ug/L	5		6010C	Total/NA
Lead	18	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	100000		5000	660	ug/L	5		6010C	Total/NA
Manganese	64	J	75	17	ug/L	5		6010C	Total/NA
Nickel	120	J	200	67	ug/L	5		6010C	Total/NA
Potassium	230000		25000	8300	ug/L	5		6010C	Total/NA
Selenium	19	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	680000	E	5000	1600	ug/L	5		6010C	Total/NA
Sodium	720000		10000	3200	ug/L	10		6010C	Total/NA
Vanadium	24	J	250	20	ug/L	5		6010C	Total/NA
Zinc	83	J	100	26	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: LR-105 (Continued)

Lab Sample ID: 160-2009-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	820		250	20	ug/L	5		6010C	Dissolved
Calcium	70000		5000	530	ug/L	5		6010C	Dissolved
Chromium	17	J	50	16	ug/L	5		6010C	Dissolved
Iron	13000		500	140	ug/L	5		6010C	Dissolved
Magnesium	110000		5000	660	ug/L	5		6010C	Dissolved
Manganese	52	J	75	17	ug/L	5		6010C	Dissolved
Nickel	120	J	200	67	ug/L	5		6010C	Dissolved
Potassium	230000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	690000	E	5000	1600	ug/L	5		6010C	Dissolved
Sodium	680000		10000	3200	ug/L	10		6010C	Dissolved
Zinc	27	J	100	26	ug/L	5		6010C	Dissolved
Mercury	0.078	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.095	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Sulfate	0.32	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.70	J	1.0	0.10	mg/L	1		300.0	Total/NA
Bromide - DL	16		5.0	0.50	mg/L	20		300.0	Total/NA
Alkalinity - DL	2100		25	2.7	mg/L	5		310.1	Total/NA
Chloride - RADL	930		100	10	mg/L	500		300.0	Total/NA

Client Sample ID: LR-103

Lab Sample ID: 160-2009-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.1	J	5.0	0.38	ug/L	1		8260C	Total/NA
Vinyl chloride	0.54	J	5.0	0.43	ug/L	1		8260C	Total/NA
Aluminum	510	J	1000	400	ug/L	5		6010C	Total/NA
Arsenic	46	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	1200		250	20	ug/L	5		6010C	Total/NA
Calcium	290000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	320000		10000	1100	ug/L	10		6010C	Total/NA
Iron	40000		500	140	ug/L	5		6010C	Total/NA
Magnesium	68000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1100		75	17	ug/L	5		6010C	Total/NA
Potassium	9000	J	25000	8300	ug/L	5		6010C	Total/NA
Selenium	13	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	41000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	22	J	250	20	ug/L	5		6010C	Total/NA
Zinc	27	J	100	26	ug/L	5		6010C	Total/NA
Arsenic	53		50	9.9	ug/L	5		6010C	Dissolved
Barium	1200		250	20	ug/L	5		6010C	Dissolved
Calcium	300000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	320000		10000	1100	ug/L	10		6010C	Dissolved
Iron	40000		500	140	ug/L	5		6010C	Dissolved
Magnesium	70000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1200		75	17	ug/L	5		6010C	Dissolved
Potassium	8800	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	42000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.11	J	0.20	0.060	ug/L	1		7470A	Total/NA
Bromide	1.1		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	0.41	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.42	J	1.0	0.10	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: LR-103 (Continued) — Lab Sample ID: 160-2009-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	870		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - RADL	140		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: FB@PZ-110-SS — Lab Sample ID: 160-2009-7

No Detections.

Client Sample ID: PZ-110-SS — Lab Sample ID: 160-2009-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.2	J	5.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	0.78	J	5.0	0.43	ug/L	1		8260C	Total/NA
Barium	330		250	20	ug/L	5		6010C	Total/NA
Calcium	250000		5000	530	ug/L	5		6010C	Total/NA
Iron	7600		500	140	ug/L	5		6010C	Total/NA
Magnesium	91000		5000	660	ug/L	5		6010C	Total/NA
Manganese	190		75	17	ug/L	5		6010C	Total/NA
Selenium	14	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	89000		5000	1600	ug/L	5		6010C	Total/NA
Barium	320		250	20	ug/L	5		6010C	Dissolved
Calcium	250000		5000	530	ug/L	5		6010C	Dissolved
Iron	6800		500	140	ug/L	5		6010C	Dissolved
Magnesium	92000		5000	660	ug/L	5		6010C	Dissolved
Manganese	210		75	17	ug/L	5		6010C	Dissolved
Sodium	88000		5000	1600	ug/L	5		6010C	Dissolved
Nitrate as N	0.031		0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	2.4		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.28	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	780		5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	46		10	1.0	mg/L	20		300.0	Total/NA
Chloride - RADL	190		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: I-62 — Lab Sample ID: 160-2009-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	770	J	1000	400	ug/L	5		6010C	Total/NA
Arsenic	15	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	390		250	20	ug/L	5		6010C	Total/NA
Calcium	120000		5000	530	ug/L	5		6010C	Total/NA
Iron	8900		500	140	ug/L	5		6010C	Total/NA
Magnesium	28000		5000	660	ug/L	5		6010C	Total/NA
Manganese	540		75	17	ug/L	5		6010C	Total/NA
Selenium	30	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	21000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	32	J	100	26	ug/L	5		6010C	Total/NA
Arsenic	14	J	50	9.9	ug/L	5		6010C	Dissolved
Barium	360		250	20	ug/L	5		6010C	Dissolved
Calcium	120000		5000	530	ug/L	5		6010C	Dissolved
Iron	6500		500	140	ug/L	5		6010C	Dissolved
Magnesium	28000		5000	660	ug/L	5		6010C	Dissolved
Manganese	520		75	17	ug/L	5		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-62 (Continued) — Lab Sample ID: 160-2009-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	22000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.061	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Alkalinity	300		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	48	B	2.0	0.20	mg/L	10		300.0	Total/NA
Sulfate - DL	30		5.0	0.50	mg/L	10		300.0	Total/NA

Client Sample ID: S-8 — Lab Sample ID: 160-2009-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	400		250	20	ug/L	5		6010C	Total/NA
Calcium	130000		5000	530	ug/L	5		6010C	Total/NA
Iron	1600		500	140	ug/L	5		6010C	Total/NA
Magnesium	23000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1200		75	17	ug/L	5		6010C	Total/NA
Selenium	15	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	27000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	13	J	50	9.9	ug/L	5		6010C	Dissolved
Barium	380		250	20	ug/L	5		6010C	Dissolved
Calcium	130000		5000	530	ug/L	5		6010C	Dissolved
Iron	480	J	500	140	ug/L	5		6010C	Dissolved
Magnesium	23000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1200		75	17	ug/L	5		6010C	Dissolved
Sodium	27000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.086	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.092	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.0054	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.033	J	0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	20		0.50	0.050	mg/L	1		300.0	Total/NA
Alkalinity	360		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	48	B	2.0	0.20	mg/L	10		300.0	Total/NA

Client Sample ID: D-13 — Lab Sample ID: 160-2009-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.86	J	5.0	0.39	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	12		5.0	0.40	ug/L	1		8260C	Total/NA
Aluminum	2600		1000	400	ug/L	5		6010C	Total/NA
Barium	800		250	20	ug/L	5		6010C	Total/NA
Calcium	170000		5000	530	ug/L	5		6010C	Total/NA
Chromium	16	J	50	16	ug/L	5		6010C	Total/NA
Iron	31000		500	140	ug/L	5		6010C	Total/NA
Lead	13	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	39000		5000	660	ug/L	5		6010C	Total/NA
Manganese	620		75	17	ug/L	5		6010C	Total/NA
Sodium	33000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	27	J	250	20	ug/L	5		6010C	Total/NA
Zinc	63	J	100	26	ug/L	5		6010C	Total/NA
Barium	680		250	20	ug/L	5		6010C	Dissolved
Calcium	160000		5000	530	ug/L	5		6010C	Dissolved
Iron	14000		500	140	ug/L	5		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-13 (Continued) — Lab Sample ID: 160-2009-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	37000		5000	660	ug/L	5		6010C	Dissolved
Manganese	430		75	17	ug/L	5		6010C	Dissolved
Sodium	34000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.087	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.11	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.0055	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.074	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	390		5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	34		10	1.0	mg/L	20		300.0	Total/NA
Chloride - RADL	310		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: PZ-304-AS — Lab Sample ID: 160-2009-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	12		5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	10		5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	53		5.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.41	J	5.0	0.16	ug/L	1		8260C	Total/NA
Ethylbenzene	0.30	J	5.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.53	J	5.0	0.26	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.52	J	5.0	0.40	ug/L	1		8260C	Total/NA
Arsenic	230		50	9.9	ug/L	5		6010C	Total/NA
Barium	1900		250	20	ug/L	5		6010C	Total/NA
Calcium	110000		5000	530	ug/L	5		6010C	Total/NA
Iron	29000		500	140	ug/L	5		6010C	Total/NA
Magnesium	79000		5000	660	ug/L	5		6010C	Total/NA
Manganese	110		75	17	ug/L	5		6010C	Total/NA
Nickel	80	J	200	67	ug/L	5		6010C	Total/NA
Potassium	77000		25000	8300	ug/L	5		6010C	Total/NA
Selenium	13	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	420000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	26	J	100	26	ug/L	5		6010C	Total/NA
Arsenic	230		50	9.9	ug/L	5		6010C	Dissolved
Barium	1800		250	20	ug/L	5		6010C	Dissolved
Calcium	120000		5000	530	ug/L	5		6010C	Dissolved
Iron	28000		500	140	ug/L	5		6010C	Dissolved
Magnesium	81000		5000	660	ug/L	5		6010C	Dissolved
Manganese	120		75	17	ug/L	5		6010C	Dissolved
Nickel	77	J	200	67	ug/L	5		6010C	Dissolved
Potassium	78000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	430000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.078	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.10	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	3.5		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	0.30	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	1.0		1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity - DL	1200		25	2.7	mg/L	5		310.1	Total/NA
Chloride - RADL	400		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: PZ-303-AS — Lab Sample ID: 160-2009-13

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-303-AS (Continued)

Lab Sample ID: 160-2009-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.65	J	5.0	0.39	ug/L	1		8260C	Total/NA
Acetone	7.3	J	20	6.7	ug/L	1		8260C	Total/NA
Benzene	68		5.0	0.25	ug/L	1		8260C	Total/NA
Chloroethane	7.0	J	10	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1	J	5.0	0.16	ug/L	1		8260C	Total/NA
Cyclohexane	17		10	0.36	ug/L	1		8260C	Total/NA
Ethylbenzene	45		5.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	4.9	J	5.0	0.26	ug/L	1		8260C	Total/NA
Methylcyclohexane	46		10	0.26	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	310		5.0	0.57	ug/L	1		8260C	Total/NA
o-Xylene	78		5.0	0.32	ug/L	1		8260C	Total/NA
Toluene	88		5.0	1.0	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.91	J	5.0	0.18	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1	J	5.0	0.43	ug/L	1		8260C	Total/NA
Xylenes, Total	390		10	0.85	ug/L	1		8260C	Total/NA
Aluminum	750	J	1000	400	ug/L	5		6010C	Total/NA
Arsenic	110		50	9.9	ug/L	5		6010C	Total/NA
Barium	790		250	20	ug/L	5		6010C	Total/NA
Calcium	290000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	310000		10000	1100	ug/L	10		6010C	Total/NA
Iron	76000		500	140	ug/L	5		6010C	Total/NA
Lead	14	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	74000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1100		75	17	ug/L	5		6010C	Total/NA
Selenium	15	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	51000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	110		50	9.9	ug/L	5		6010C	Dissolved
Barium	670		250	20	ug/L	5		6010C	Dissolved
Calcium	290000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	300000		10000	1100	ug/L	10		6010C	Dissolved
Iron	66000		500	140	ug/L	5		6010C	Dissolved
Magnesium	74000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1100		75	17	ug/L	5		6010C	Dissolved
Sodium	52000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	26	J	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.011	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	1.1		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	1.3		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.28	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	920		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - RADL	110		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: D-12

Lab Sample ID: 160-2009-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.73	J	5.0	0.16	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.68	J	5.0	0.57	ug/L	1		8260C	Total/NA
Aluminum	880	J	1000	400	ug/L	5		6010C	Total/NA
Barium	500		250	20	ug/L	5		6010C	Total/NA
Calcium	580000	E	5000	530	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-12 (Continued) — Lab Sample ID: 160-2009-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	640000		20000	2100	ug/L	20		6010C	Total/NA
Iron	19000		500	140	ug/L	5		6010C	Total/NA
Magnesium	64000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1200		75	17	ug/L	5		6010C	Total/NA
Potassium	14000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	180000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	28	J	100	26	ug/L	5		6010C	Total/NA
Barium	440		250	20	ug/L	5		6010C	Dissolved
Calcium	580000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	630000		20000	2100	ug/L	20		6010C	Dissolved
Iron	11000		500	140	ug/L	5		6010C	Dissolved
Magnesium	65000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1200		75	17	ug/L	5		6010C	Dissolved
Potassium	14000	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	180000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	26	J	100	26	ug/L	5		6010C	Dissolved
Mercury	0.076	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	3.9		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.20	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	940		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - RADL	240		20	2.0	mg/L	100		300.0	Total/NA
Sulfate - RADL	680		50	5.0	mg/L	100		300.0	Total/NA

Client Sample ID: PZ-111-SD — Lab Sample ID: 160-2009-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	120	J	250	20	ug/L	5		6010C	Total/NA
Calcium	98000		5000	530	ug/L	5		6010C	Total/NA
Magnesium	55000		5000	660	ug/L	5		6010C	Total/NA
Selenium	36	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	19000		5000	1600	ug/L	5		6010C	Total/NA
Barium	120	J	250	20	ug/L	5		6010C	Dissolved
Calcium	99000		5000	530	ug/L	5		6010C	Dissolved
Magnesium	56000		5000	660	ug/L	5		6010C	Dissolved
Sodium	19000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	28	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.077	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.089		0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.072	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	410		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	10	B	4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	44		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-304-AI — Lab Sample ID: 160-2009-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.89	J	5.0	0.39	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	1.2	J	5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	0.95	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	5.8		5.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-304-AI (Continued)

Lab Sample ID: 160-2009-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.5	J	5.0	0.16	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.27	J	5.0	0.26	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.27	J	5.0	0.18	ug/L	1		8260C	Total/NA
Vinyl chloride	2.5	J	5.0	0.43	ug/L	1		8260C	Total/NA
Barium	1200		250	20	ug/L	5		6010C	Total/NA
Calcium	240000		5000	530	ug/L	5		6010C	Total/NA
Iron	16000		500	140	ug/L	5		6010C	Total/NA
Magnesium	68000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1200		75	17	ug/L	5		6010C	Total/NA
Potassium	11000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	170000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	11	J B	50	9.9	ug/L	5		6010C	Dissolved
Barium	1200		250	20	ug/L	5		6010C	Dissolved
Calcium	250000		5000	530	ug/L	5		6010C	Dissolved
Iron	16000		500	140	ug/L	5		6010C	Dissolved
Magnesium	72000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1300		75	17	ug/L	5		6010C	Dissolved
Potassium	11000	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	170000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	30	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.11	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.087	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.042		0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	2.2		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	11		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.50	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	790		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - RADL	260		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: I-11

Lab Sample ID: 160-2009-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.63	J	5.0	0.39	ug/L	1		8260C	Total/NA
Chlorobenzene	1.1	J	5.0	0.38	ug/L	1		8260C	Total/NA
Chloroethane	4.5	J	10	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.1	J	5.0	0.16	ug/L	1		8260C	Total/NA
Arsenic	14	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	890		250	20	ug/L	5		6010C	Total/NA
Calcium	260000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	280000		10000	1100	ug/L	10		6010C	Total/NA
Iron	36000		500	140	ug/L	5		6010C	Total/NA
Magnesium	99000		5000	660	ug/L	5		6010C	Total/NA
Manganese	2100		75	17	ug/L	5		6010C	Total/NA
Potassium	27000		25000	8300	ug/L	5		6010C	Total/NA
Selenium	21	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	130000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	21	J B	50	9.9	ug/L	5		6010C	Dissolved
Barium	850		250	20	ug/L	5		6010C	Dissolved
Calcium	260000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	270000		10000	1100	ug/L	10		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: I-11 (Continued) — Lab Sample ID: 160-2009-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	34000		500	140	ug/L	5		6010C	Dissolved
Lead	9.5	J	50	7.5	ug/L	5		6010C	Dissolved
Magnesium	99000		5000	660	ug/L	5		6010C	Dissolved
Manganese	2200		75	17	ug/L	5		6010C	Dissolved
Potassium	26000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	130000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	30	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.088	J	0.20	0.060	ug/L	1		7470A	Total/NA
Nitrate as N	0.0048	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	2.2		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.34	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	930		5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	150		10	1.0	mg/L	20		300.0	Total/NA
Chloride - RADL	210		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: PZ-105-SS — Lab Sample ID: 160-2009-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	180	J	250	20	ug/L	5		6010C	Total/NA
Calcium	100000		5000	530	ug/L	5		6010C	Total/NA
Iron	520		500	140	ug/L	5		6010C	Total/NA
Magnesium	52000		5000	660	ug/L	5		6010C	Total/NA
Selenium	14	J ^	75	13	ug/L	5		6010C	Total/NA
Sodium	64000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	32	J B	100	26	ug/L	5		6010C	Total/NA
Barium	170	J	250	20	ug/L	5		6010C	Dissolved
Calcium	100000		5000	530	ug/L	5		6010C	Dissolved
Iron	210	J	500	140	ug/L	5		6010C	Dissolved
Magnesium	54000		5000	660	ug/L	5		6010C	Dissolved
Sodium	65000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	42	J B	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.011	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.061	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	350		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	94	B	4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	86		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: S-10 — Lab Sample ID: 160-2009-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.43	J	5.0	0.39	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene	0.46	J	5.0	0.28	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	1.4	J	5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	2.4	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	9.6		5.0	0.38	ug/L	1		8260C	Total/NA
Chloroethane	2.1	J	10	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.8	J	5.0	0.16	ug/L	1		8260C	Total/NA
Cyclohexane	0.69	J	10	0.36	ug/L	1		8260C	Total/NA
Ethylbenzene	0.35	J	5.0	0.30	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.58	J	5.0	0.40	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-10 (Continued)

Lab Sample ID: 160-2009-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	0.78	J	10	0.26	ug/L	1		8260C	Total/NA
Vinyl chloride	0.75	J	5.0	0.43	ug/L	1		8260C	Total/NA
Aluminum	1000		1000	400	ug/L	5		6010C	Total/NA
Arsenic	54		50	9.9	ug/L	5		6010C	Total/NA
Barium	180	J	250	20	ug/L	5		6010C	Total/NA
Calcium	230000		5000	530	ug/L	5		6010C	Total/NA
Iron	130000		500	140	ug/L	5		6010C	Total/NA
Lead	8.5	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	140000		5000	660	ug/L	5		6010C	Total/NA
Manganese	7300		75	17	ug/L	5		6010C	Total/NA
Potassium	38000		25000	8300	ug/L	5		6010C	Total/NA
Sodium	180000		5000	1600	ug/L	5		6010C	Total/NA
Aluminum	830	J	1000	400	ug/L	5		6010C	Dissolved
Arsenic	63	B	50	9.9	ug/L	5		6010C	Dissolved
Barium	200	J	250	20	ug/L	5		6010C	Dissolved
Calcium	250000		5000	530	ug/L	5		6010C	Dissolved
Iron	130000		500	140	ug/L	5		6010C	Dissolved
Lead	8.5	J	50	7.5	ug/L	5		6010C	Dissolved
Magnesium	150000		5000	660	ug/L	5		6010C	Dissolved
Manganese	7800		75	17	ug/L	5		6010C	Dissolved
Potassium	39000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	190000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.11	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.10	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.0045	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	1.9		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.28	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	860		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - RADL	200		20	2.0	mg/L	100		300.0	Total/NA
Sulfate - RADL	590		50	5.0	mg/L	100		300.0	Total/NA

Client Sample ID: LR-104

Lab Sample ID: 160-2009-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.65	J	5.0	0.16	ug/L	1		8260C	Total/NA
Ethylbenzene	0.36	J	5.0	0.30	ug/L	1		8260C	Total/NA
Barium	400		250	20	ug/L	5		6010C	Total/NA
Calcium	250000		5000	530	ug/L	5		6010C	Total/NA
Iron	14000		500	140	ug/L	5		6010C	Total/NA
Magnesium	57000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1100		75	17	ug/L	5		6010C	Total/NA
Sodium	20000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	27	J	250	20	ug/L	5		6010C	Total/NA
Barium	390		250	20	ug/L	5		6010C	Dissolved
Calcium	260000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	270000		10000	1100	ug/L	10		6010C	Dissolved
Iron	14000		500	140	ug/L	5		6010C	Dissolved
Magnesium	60000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1200		75	17	ug/L	5		6010C	Dissolved
Sodium	21000		5000	1600	ug/L	5		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: LR-104 (Continued) — Lab Sample ID: 160-2009-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	29	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.066	J ^	0.20	0.060	ug/L	1		7470A	Dissolved
Nitrate as N	0.0063	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.56		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.52	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	580		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	38	B	4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	53		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: DUP01 — Lab Sample ID: 160-2009-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.33	J	5.0	0.30	ug/L	1		8260C	Total/NA
Arsenic	13	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	370		250	20	ug/L	5		6010C	Total/NA
Calcium	120000		5000	530	ug/L	5		6010C	Total/NA
Iron	7900		500	140	ug/L	5		6010C	Total/NA
Magnesium	27000		5000	660	ug/L	5		6010C	Total/NA
Manganese	520		75	17	ug/L	5		6010C	Total/NA
Sodium	21000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	16	J B	50	9.9	ug/L	5		6010C	Dissolved
Barium	350		250	20	ug/L	5		6010C	Dissolved
Calcium	120000		5000	530	ug/L	5		6010C	Dissolved
Chromium	16	J	50	16	ug/L	5		6010C	Dissolved
Iron	6500		500	140	ug/L	5		6010C	Dissolved
Magnesium	28000		5000	660	ug/L	5		6010C	Dissolved
Manganese	520		75	17	ug/L	5		6010C	Dissolved
Sodium	22000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	27	J B	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.015	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Alkalinity	300		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	46	B	4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	29		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: DUP02 — Lab Sample ID: 160-2009-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.55	J	5.0	0.16	ug/L	1		8260C	Total/NA
Ethylbenzene	0.37	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	490	J	1000	400	ug/L	5		6010C	Total/NA
Barium	470		250	20	ug/L	5		6010C	Total/NA
Calcium	590000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	660000		20000	2100	ug/L	20		6010C	Total/NA
Iron	15000		500	140	ug/L	5		6010C	Total/NA
Magnesium	65000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1200		75	17	ug/L	5		6010C	Total/NA
Potassium	14000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	180000		5000	1600	ug/L	5		6010C	Total/NA
Barium	450		250	20	ug/L	5		6010C	Dissolved
Calcium	590000	E	5000	530	ug/L	5		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: DUP02 (Continued)

Lab Sample ID: 160-2009-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	630000		20000	2100	ug/L	20		6010C	Dissolved
Iron	11000		500	140	ug/L	5		6010C	Dissolved
Magnesium	66000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1200		75	17	ug/L	5		6010C	Dissolved
Potassium	14000	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	180000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	28	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.079	J B ^	0.20	0.060	ug/L	1		7470A	Total/NA
Bromide	3.9		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.20	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	890		5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	240		20	2.0	mg/L	100		300.0	Total/NA
Sulfate - DL	690		50	5.0	mg/L	100		300.0	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 160-2009-23

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-302-AI
Date Collected: 04/03/13 11:45
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 12:38	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 12:38	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 12:38	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 12:38	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 12:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 12:38	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 12:38	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 12:38	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 12:38	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 12:38	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 12:38	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 12:38	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 12:38	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 12:38	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 12:38	1
Acetone	ND		20	6.7	ug/L			04/08/13 12:38	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 12:38	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 12:38	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 12:38	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 12:38	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 12:38	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 12:38	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 12:38	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 12:38	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 12:38	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 12:38	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 12:38	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 12:38	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 12:38	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 12:38	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 12:38	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 12:38	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 12:38	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 12:38	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 12:38	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 12:38	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 12:38	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 12:38	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 12:38	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 12:38	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 12:38	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 12:38	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 12:38	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 12:38	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 12:38	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 12:38	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 12:38	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 12:38	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-302-AI
Date Collected: 04/03/13 11:45
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/08/13 12:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/08/13 12:38*	*1*
Toluene-d8 (Surr)	*99*		*85 - 115*		*04/08/13 12:38*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/08/13 12:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 16:38	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 16:38	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 16:38	5
Barium	**360**		250	20	ug/L		04/08/13 15:15	04/09/13 16:38	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 16:38	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 16:38	5
Calcium	**200000**		5000	530	ug/L		04/08/13 15:15	04/09/13 16:38	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 16:38	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 16:38	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 16:38	5
Iron	**1800**		500	140	ug/L		04/08/13 15:15	04/09/13 16:38	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 16:38	5
Magnesium	**55000**		5000	660	ug/L		04/08/13 15:15	04/09/13 16:38	5
Manganese	**260**		75	17	ug/L		04/08/13 15:15	04/09/13 16:38	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 16:38	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 16:38	5
Selenium	**21**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 16:38	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 16:38	5
Sodium	**63000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 16:38	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 16:38	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 16:38	5
Zinc	ND		100	26	ug/L		04/08/13 15:15	04/09/13 16:38	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**590**	**J**	1000	400	ug/L		04/08/13 15:11	04/10/13 14:11	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:11	5
Arsenic	**11**	**J**	50	9.9	ug/L		04/08/13 15:11	04/10/13 14:11	5
Barium	**380**		250	20	ug/L		04/08/13 15:11	04/10/13 14:11	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:11	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:11	5
Calcium	**210000**		5000	530	ug/L		04/08/13 15:11	04/10/13 14:11	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:11	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:11	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:11	5
Iron	**2700**		500	140	ug/L		04/08/13 15:11	04/10/13 14:11	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:11	5
Magnesium	**58000**		5000	660	ug/L		04/08/13 15:11	04/10/13 14:11	5
Manganese	**280**		75	17	ug/L		04/08/13 15:11	04/10/13 14:11	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:11	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:11	5
Selenium	**14**	**J**	75	13	ug/L		04/08/13 15:11	04/10/13 14:11	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:11	5

Client Sample ID: PZ-302-AI

Lab Sample ID: 160-2009-1

Date Collected: 04/03/13 11:45

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**65000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:11	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:11	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:11	5
Zinc	**60**	**J**	100	26	ug/L		04/08/13 15:11	04/10/13 14:11	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 17:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.022**	**H**	0.020	0.0040	mg/L			04/05/13 12:59	1
Bromide	**0.36**		0.25	0.025	mg/L			04/05/13 12:59	1
Iodide	**0.11**	**J**	1.0	0.10	mg/L			04/08/13 19:59	1
Alkalinity	**700**		5.0	0.54	mg/L			04/09/13 12:47	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63**	**B**	4.0	0.40	mg/L			04/05/13 13:17	20
Sulfate	**56**		10	1.0	mg/L			04/05/13 13:17	20

Client Sample ID: PZ-207-AS

Lab Sample ID: 160-2009-2

Date Collected: 04/03/13 15:05

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 13:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 13:02	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 13:02	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 13:02	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 13:02	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 13:02	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 13:02	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 13:02	1
1,2-Dichlorobenzene	**0.56**	**J**	5.0	0.28	ug/L			04/08/13 13:02	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 13:02	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 13:02	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 13:02	1
1,4-Dichlorobenzene	**3.6**	**J**	5.0	0.35	ug/L			04/08/13 13:02	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 13:02	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 13:02	1
Acetone	ND		20	6.7	ug/L			04/08/13 13:02	1
Benzene	**2.3**	**J**	5.0	0.25	ug/L			04/08/13 13:02	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 13:02	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 13:02	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-207-AS
Date Collected: 04/03/13 15:05
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		10	0.40	ug/L			04/08/13 13:02	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 13:02	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 13:02	1
Chlorobenzene	**16**		5.0	0.38	ug/L			04/08/13 13:02	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 13:02	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 13:02	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 13:02	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 13:02	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 13:02	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 13:02	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 13:02	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 13:02	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 13:02	1
Isopropylbenzene	**1.8**	**J**	5.0	0.26	ug/L			04/08/13 13:02	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 13:02	1
Methyl tert-butyl ether	**0.79**	**J**	5.0	0.40	ug/L			04/08/13 13:02	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 13:02	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 13:02	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 13:02	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 13:02	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 13:02	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 13:02	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 13:02	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 13:02	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 13:02	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 13:02	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 13:02	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 13:02	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*82 - 121*		*04/08/13 13:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/08/13 13:02*	*1*
Toluene-d8 (Surr)	*95*		*85 - 115*		*04/08/13 13:02*	*1*
Dibromofluoromethane (Surr)	*109*		*85 - 119*		*04/08/13 13:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 16:52	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 16:52	5
Arsenic	**29**	**J**	50	9.9	ug/L		04/08/13 15:15	04/09/13 16:52	5
Barium	**860**		250	20	ug/L		04/08/13 15:15	04/09/13 16:52	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 16:52	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 16:52	5
Calcium	**140000**		5000	530	ug/L		04/08/13 15:15	04/09/13 16:52	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 16:52	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 16:52	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 16:52	5
Iron	**21000**		500	140	ug/L		04/08/13 15:15	04/09/13 16:52	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 16:52	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-207-AS
Date Collected: 04/03/13 15:05
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	81000		5000	660	ug/L		04/08/13 15:15	04/09/13 16:52	5
Manganese	93		75	17	ug/L		04/08/13 15:15	04/09/13 16:52	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 16:52	5
Potassium	67000		25000	8300	ug/L		04/08/13 15:15	04/09/13 16:52	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:15	04/09/13 16:52	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 16:52	5
Sodium	260000		5000	1600	ug/L		04/08/13 15:15	04/09/13 16:52	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 16:52	5
Vanadium	22	J	250	20	ug/L		04/08/13 15:15	04/09/13 16:52	5
Zinc	74	J	100	26	ug/L		04/08/13 15:15	04/09/13 16:52	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:25	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:25	5
Arsenic	35	J	50	9.9	ug/L		04/08/13 15:11	04/10/13 14:25	5
Barium	820		250	20	ug/L		04/08/13 15:11	04/10/13 14:25	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:25	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:25	5
Calcium	140000		5000	530	ug/L		04/08/13 15:11	04/10/13 14:25	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:25	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:25	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:25	5
Iron	20000		500	140	ug/L		04/08/13 15:11	04/10/13 14:25	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:25	5
Magnesium	82000		5000	660	ug/L		04/08/13 15:11	04/10/13 14:25	5
Manganese	100		75	17	ug/L		04/08/13 15:11	04/10/13 14:25	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:25	5
Potassium	65000		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:25	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:25	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:25	5
Sodium	250000		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:25	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:25	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:25	5
Zinc	38	J	100	26	ug/L		04/08/13 15:11	04/10/13 14:25	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15	J	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:44	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.099	J ^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0044	J	0.020	0.0040	mg/L			04/05/13 14:47	1
Bromide	2.9		0.25	0.025	mg/L			04/05/13 14:47	1
Sulfate	0.35	J	0.50	0.050	mg/L			04/05/13 14:47	1
Iodide	0.24	J	1.0	0.10	mg/L			04/08/13 20:43	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-207-AS

Lab Sample ID: 160-2009-2

Date Collected: 04/03/13 15:05

Matrix: Water

Date Received: 04/05/13 09:16

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**1200**		25	2.7	mg/L			04/10/13 12:11	5

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		40	4.0	mg/L			04/08/13 15:52	200

Client Sample ID: D-81

Lab Sample ID: 160-2009-3

Date Collected: 04/03/13 13:40

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 13:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 13:27	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 13:27	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 13:27	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 13:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 13:27	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 13:27	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 13:27	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 13:27	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 13:27	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 13:27	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 13:27	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 13:27	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 13:27	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 13:27	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 13:27	1
Acetone	ND		20	6.7	ug/L			04/08/13 13:27	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 13:27	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 13:27	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 13:27	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 13:27	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 13:27	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 13:27	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 13:27	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 13:27	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 13:27	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 13:27	1
cis-1,2-Dichloroethene	**0.78**	**J**	5.0	0.16	ug/L			04/08/13 13:27	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 13:27	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 13:27	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 13:27	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 13:27	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 13:27	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 13:27	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 13:27	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 13:27	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 13:27	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 13:27	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-81
Date Collected: 04/03/13 13:40
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 13:27	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 13:27	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 13:27	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 13:27	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 13:27	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 13:27	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 13:27	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 13:27	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 13:27	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 13:27	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*82 - 121*		*04/08/13 13:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*82 - 132*		*04/08/13 13:27*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/08/13 13:27*	*1*
Dibromofluoromethane (Surr)	*109*		*85 - 119*		*04/08/13 13:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 16:56	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 16:56	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 16:56	5
Barium	**410**		250	20	ug/L		04/08/13 15:15	04/09/13 16:56	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 16:56	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 16:56	5
Calcium	**230000**		5000	530	ug/L		04/08/13 15:15	04/09/13 16:56	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 16:56	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 16:56	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 16:56	5
Iron	**19000**		500	140	ug/L		04/08/13 15:15	04/09/13 16:56	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 16:56	5
Magnesium	**56000**		5000	660	ug/L		04/08/13 15:15	04/09/13 16:56	5
Manganese	**1100**		75	17	ug/L		04/08/13 15:15	04/09/13 16:56	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 16:56	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 16:56	5
Selenium	**24**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 16:56	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 16:56	5
Sodium	**20000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 16:56	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 16:56	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 16:56	5
Zinc	ND		100	26	ug/L		04/08/13 15:15	04/09/13 16:56	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:29	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:29	5
Arsenic	**11**	**J**	50	9.9	ug/L		04/08/13 15:11	04/10/13 14:29	5
Barium	**390**		250	20	ug/L		04/08/13 15:11	04/10/13 14:29	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:29	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-81

Lab Sample ID: 160-2009-3

Date Collected: 04/03/13 13:40

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:29	5
Calcium	**230000**		5000	530	ug/L		04/08/13 15:11	04/10/13 14:29	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:29	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:29	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:29	5
Iron	**18000**		500	140	ug/L		04/08/13 15:11	04/10/13 14:29	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:29	5
Magnesium	**56000**		5000	660	ug/L		04/08/13 15:11	04/10/13 14:29	5
Manganese	**1100**		75	17	ug/L		04/08/13 15:11	04/10/13 14:29	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:29	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:29	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:29	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:29	5
Sodium	**20000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:29	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:29	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:29	5
Zinc	**30**	**J**	100	26	ug/L		04/08/13 15:11	04/10/13 14:29	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.018**	**J H**	0.020	0.0040	mg/L			04/05/13 15:58	1
Bromide	**0.19**	**J**	0.25	0.025	mg/L			04/05/13 15:58	1
Iodide	ND		1.0	0.10	mg/L			04/08/13 20:57	1
Alkalinity	**960**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**	**B**	4.0	0.40	mg/L			04/05/13 16:16	20
Sulfate	**40**		10	1.0	mg/L			04/05/13 16:16	20

Client Sample ID: LR-100

Lab Sample ID: 160-2009-4

Date Collected: 04/03/13 13:27

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 13:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 13:52	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 13:52	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 13:52	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 13:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 13:52	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 13:52	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-100
Date Collected: 04/03/13 13:27
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 13:52	1
1,2-Dichlorobenzene	**0.47**	**J**	5.0	0.28	ug/L			04/08/13 13:52	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 13:52	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 13:52	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 13:52	1
1,4-Dichlorobenzene	**6.3**		5.0	0.35	ug/L			04/08/13 13:52	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 13:52	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 13:52	1
Acetone	ND		20	6.7	ug/L			04/08/13 13:52	1
Benzene	**7.7**		5.0	0.25	ug/L			04/08/13 13:52	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 13:52	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 13:52	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 13:52	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 13:52	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 13:52	1
Chlorobenzene	**54**		5.0	0.38	ug/L			04/08/13 13:52	1
Chloroethane	**0.46**	**J**	10	0.38	ug/L			04/08/13 13:52	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 13:52	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 13:52	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 13:52	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 13:52	1
Cyclohexane	**0.76**	**J**	10	0.36	ug/L			04/08/13 13:52	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 13:52	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 13:52	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 13:52	1
Isopropylbenzene	**16**		5.0	0.26	ug/L			04/08/13 13:52	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 13:52	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 13:52	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 13:52	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 13:52	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 13:52	1
o-Xylene	**0.35**	**J**	5.0	0.32	ug/L			04/08/13 13:52	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 13:52	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 13:52	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 13:52	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 13:52	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 13:52	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 13:52	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 13:52	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 13:52	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*82 - 121*		*04/08/13 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/08/13 13:52*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/08/13 13:52*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/08/13 13:52*	*1*

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-100
Date Collected: 04/03/13 13:27
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-4
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 17:00	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:00	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:00	5
Barium	**430**		250	20	ug/L		04/08/13 15:15	04/09/13 17:00	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:00	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:00	5
Calcium	**110000**		5000	530	ug/L		04/08/13 15:15	04/09/13 17:00	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:00	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:00	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:00	5
Iron	**19000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:00	5
Lead	**8.0**	**J**	50	7.5	ug/L		04/08/13 15:15	04/09/13 17:00	5
Magnesium	**61000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:00	5
Manganese	**140**		75	17	ug/L		04/08/13 15:15	04/09/13 17:00	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:00	5
Potassium	**89000**		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:00	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:15	04/09/13 17:00	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:00	5
Sodium	**180000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:00	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:00	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:00	5
Zinc	**31**	**J**	100	26	ug/L		04/08/13 15:15	04/09/13 17:00	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:33	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:33	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:11	04/10/13 14:33	5
Barium	**430**		250	20	ug/L		04/08/13 15:11	04/10/13 14:33	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:33	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:33	5
Calcium	**110000**		5000	530	ug/L		04/08/13 15:11	04/10/13 14:33	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:33	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:33	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:33	5
Iron	**20000**		500	140	ug/L		04/08/13 15:11	04/10/13 14:33	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:33	5
Magnesium	**65000**		5000	660	ug/L		04/08/13 15:11	04/10/13 14:33	5
Manganese	**160**		75	17	ug/L		04/08/13 15:11	04/10/13 14:33	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:33	5
Potassium	**91000**		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:33	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:33	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:33	5
Sodium	**190000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:33	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:33	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:33	5
Zinc	**27**	**J**	100	26	ug/L		04/08/13 15:11	04/10/13 14:33	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-100

Lab Sample ID: 160-2009-4

Date Collected: 04/03/13 13:27

Matrix: Water

Date Received: 04/05/13 09:16

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.080**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:51	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.083**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0049**	**J H**	0.020	0.0040	mg/L			04/05/13 16:34	1
Bromide	**1.9**		0.25	0.025	mg/L			04/05/13 16:34	1
Iodide	**0.28**	**J**	1.0	0.10	mg/L			04/08/13 21:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**30**		10	1.0	mg/L			04/05/13 16:52	20
Alkalinity	**1000**		25	2.7	mg/L			04/10/13 12:11	5

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		20	2.0	mg/L			04/08/13 16:46	100

Client Sample ID: LR-105

Lab Sample ID: 160-2009-5

Date Collected: 04/03/13 14:24

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 14:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 14:17	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 14:17	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 14:17	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 14:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 14:17	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 14:17	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 14:17	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 14:17	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 14:17	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 14:17	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 14:17	1
1,4-Dichlorobenzene	**33**		5.0	0.35	ug/L			04/08/13 14:17	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 14:17	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 14:17	1
Acetone	ND		20	6.7	ug/L			04/08/13 14:17	1
Benzene	**8.2**		5.0	0.25	ug/L			04/08/13 14:17	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 14:17	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 14:17	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 14:17	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 14:17	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 14:17	1
Chloroethane	**0.96**	**J**	10	0.38	ug/L			04/08/13 14:17	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-105
Date Collected: 04/03/13 14:24
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	0.15	ug/L			04/08/13 14:17	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 14:17	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 14:17	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 14:17	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 14:17	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 14:17	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 14:17	1
Ethylbenzene	**1.1**	**J**	5.0	0.30	ug/L			04/08/13 14:17	1
Isopropylbenzene	**40**		5.0	0.26	ug/L			04/08/13 14:17	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 14:17	1
Methyl tert-butyl ether	**0.50**	**J**	5.0	0.40	ug/L			04/08/13 14:17	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 14:17	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 14:17	1
m-Xylene & p-Xylene	**16**		5.0	0.57	ug/L			04/08/13 14:17	1
o-Xylene	**1.1**	**J**	5.0	0.32	ug/L			04/08/13 14:17	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 14:17	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 14:17	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 14:17	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 14:17	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 14:17	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 14:17	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 14:17	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 14:17	1
Xylenes, Total	**17**		10	0.85	ug/L			04/08/13 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*82 - 121*		*04/08/13 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/08/13 14:17*	*1*
Toluene-d8 (Surr)	*95*		*85 - 115*		*04/08/13 14:17*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*04/08/13 14:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**220**		10	0.76	ug/L			04/10/13 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*82 - 121*		*04/10/13 04:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*82 - 132*		*04/10/13 04:44*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/10/13 04:44*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*04/10/13 04:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**900**	**J**	1000	400	ug/L		04/08/13 15:15	04/09/13 17:03	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:03	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:03	5
Barium	**820**		250	20	ug/L		04/08/13 15:15	04/09/13 17:03	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:03	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:03	5
Calcium	**69000**		5000	530	ug/L		04/08/13 15:15	04/09/13 17:03	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-105
Date Collected: 04/03/13 14:24
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:03	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:03	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:03	5
Iron	**14000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:03	5
Lead	**18**	**J**	50	7.5	ug/L		04/08/13 15:15	04/09/13 17:03	5
Magnesium	**100000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:03	5
Manganese	**64**	**J**	75	17	ug/L		04/08/13 15:15	04/09/13 17:03	5
Nickel	**120**	**J**	200	67	ug/L		04/08/13 15:15	04/09/13 17:03	5
Potassium	**230000**		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:03	5
Selenium	**19**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 17:03	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:03	5
Sodium	**680000**	**E**	5000	1600	ug/L		04/08/13 15:15	04/09/13 17:03	5
Sodium	**720000**		10000	3200	ug/L		04/08/13 15:15	04/10/13 10:47	10
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:03	5
Vanadium	**24**	**J**	250	20	ug/L		04/08/13 15:15	04/09/13 17:03	5
Zinc	**83**	**J**	100	26	ug/L		04/08/13 15:15	04/09/13 17:03	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:36	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:36	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:11	04/10/13 14:36	5
Barium	**820**		250	20	ug/L		04/08/13 15:11	04/10/13 14:36	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:36	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:36	5
Calcium	**70000**		5000	530	ug/L		04/08/13 15:11	04/10/13 14:36	5
Chromium	**17**	**J**	50	16	ug/L		04/08/13 15:11	04/10/13 14:36	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:36	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:36	5
Iron	**13000**		500	140	ug/L		04/08/13 15:11	04/10/13 14:36	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:36	5
Magnesium	**110000**		5000	660	ug/L		04/08/13 15:11	04/10/13 14:36	5
Manganese	**52**	**J**	75	17	ug/L		04/08/13 15:11	04/10/13 14:36	5
Nickel	**120**	**J**	200	67	ug/L		04/08/13 15:11	04/10/13 14:36	5
Potassium	**230000**		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:36	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:36	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:36	5
Sodium	**690000**	**E**	5000	1600	ug/L		04/08/13 15:11	04/10/13 14:36	5
Sodium	**680000**		10000	3200	ug/L		04/08/13 15:11	04/11/13 11:01	10
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:36	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:36	5
Zinc	**27**	**J**	100	26	ug/L		04/08/13 15:11	04/10/13 14:36	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.095**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:02	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-105

Lab Sample ID: 160-2009-5

Date Collected: 04/03/13 14:24

Matrix: Water

Date Received: 04/05/13 09:16

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.020	0.0040	mg/L			04/05/13 17:10	1
Sulfate	**0.32**	**J**	0.50	0.050	mg/L			04/05/13 17:10	1
Iodide	**0.70**	**J**	1.0	0.10	mg/L			04/08/13 21:26	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**16**		5.0	0.50	mg/L			04/05/13 17:28	20
Alkalinity	**2100**		25	2.7	mg/L			04/10/13 12:11	5

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**930**		100	10	mg/L			04/08/13 17:04	500

Client Sample ID: LR-103

Lab Sample ID: 160-2009-6

Date Collected: 04/03/13 15:30

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 14:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 14:42	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 14:42	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 14:42	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 14:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 14:42	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 14:42	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 14:42	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 14:42	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 14:42	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 14:42	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 14:42	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 14:42	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 14:42	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 14:42	1
Acetone	ND		20	6.7	ug/L			04/08/13 14:42	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 14:42	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 14:42	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 14:42	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 14:42	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 14:42	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 14:42	1
Chlorobenzene	**1.1**	**J**	5.0	0.38	ug/L			04/08/13 14:42	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 14:42	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 14:42	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 14:42	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 14:42	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 14:42	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 14:42	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 14:42	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-103
Date Collected: 04/03/13 15:30
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 14:42	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 14:42	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 14:42	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 14:42	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 14:42	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 14:42	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 14:42	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 14:42	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 14:42	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 14:42	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 14:42	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 14:42	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 14:42	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 14:42	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 14:42	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 14:42	1
Vinyl chloride	**0.54**	**J**	5.0	0.43	ug/L			04/08/13 14:42	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*82 - 121*		*04/08/13 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*82 - 132*		*04/08/13 14:42*	*1*
Toluene-d8 (Surr)	*95*		*85 - 115*		*04/08/13 14:42*	*1*
Dibromofluoromethane (Surr)	*109*		*85 - 119*		*04/08/13 14:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**510**	**J**	1000	400	ug/L		04/08/13 15:15	04/09/13 17:07	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:07	5
Arsenic	**46**	**J**	50	9.9	ug/L		04/08/13 15:15	04/09/13 17:07	5
Barium	**1200**		250	20	ug/L		04/08/13 15:15	04/09/13 17:07	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:07	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:07	5
Calcium	**290000**	**E**	5000	530	ug/L		04/08/13 15:15	04/09/13 17:07	5
Calcium	**320000**		10000	1100	ug/L		04/08/13 15:15	04/10/13 10:51	10
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:07	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:07	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:07	5
Iron	**40000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:07	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 17:07	5
Magnesium	**68000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:07	5
Manganese	**1100**		75	17	ug/L		04/08/13 15:15	04/09/13 17:07	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:07	5
Potassium	**9000**	**J**	25000	8300	ug/L		04/08/13 15:15	04/09/13 17:07	5
Selenium	**13**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 17:07	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:07	5
Sodium	**41000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:07	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:07	5
Vanadium	**22**	**J**	250	20	ug/L		04/08/13 15:15	04/09/13 17:07	5
Zinc	**27**	**J**	100	26	ug/L		04/08/13 15:15	04/09/13 17:07	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-103

Date Collected: 04/03/13 15:30
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-6

Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:47	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:47	5
Arsenic	**53**		50	9.9	ug/L		04/08/13 15:11	04/10/13 14:47	5
Barium	**1200**		250	20	ug/L		04/08/13 15:11	04/10/13 14:47	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:47	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:47	5
Calcium	**300000**	**E**	5000	530	ug/L		04/08/13 15:11	04/10/13 14:47	5
Calcium	**320000**		10000	1100	ug/L		04/08/13 15:11	04/11/13 11:05	10
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:47	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:47	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:47	5
Iron	**40000**		500	140	ug/L		04/08/13 15:11	04/10/13 14:47	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:47	5
Magnesium	**70000**		5000	660	ug/L		04/08/13 15:11	04/10/13 14:47	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:11	04/10/13 14:47	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:47	5
Potassium	**8800**	**J**	25000	8300	ug/L		04/08/13 15:11	04/10/13 14:47	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:47	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:47	5
Sodium	**42000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:47	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:47	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:47	5
Zinc	ND		100	26	ug/L		04/08/13 15:11	04/10/13 14:47	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.020	0.0040	mg/L			04/05/13 17:46	1
Bromide	**1.1**		0.25	0.025	mg/L			04/05/13 17:46	1
Sulfate	**0.41**	**J**	0.50	0.050	mg/L			04/05/13 17:46	1
Iodide	**0.42**	**J**	1.0	0.10	mg/L			04/08/13 22:23	1
Alkalinity	**870**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		20	2.0	mg/L			04/08/13 17:22	100

Client Sample ID: FB@PZ-110-SS

Date Collected: 04/04/13 09:30
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 10:33	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: FB@PZ-110-SS
Date Collected: 04/04/13 09:30
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 10:33	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 10:33	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 10:33	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 10:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 10:33	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 10:33	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 10:33	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 10:33	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 10:33	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 10:33	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 10:33	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 10:33	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 10:33	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 10:33	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 10:33	1
Acetone	ND		20	6.7	ug/L			04/08/13 10:33	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 10:33	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 10:33	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 10:33	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 10:33	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 10:33	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 10:33	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 10:33	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 10:33	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 10:33	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 10:33	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 10:33	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 10:33	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 10:33	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 10:33	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 10:33	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 10:33	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 10:33	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 10:33	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 10:33	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 10:33	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 10:33	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 10:33	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 10:33	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 10:33	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 10:33	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 10:33	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 10:33	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 10:33	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 10:33	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 10:33	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 10:33	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 10:33	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: FB@PZ-110-SS

Lab Sample ID: 160-2009-7

Date Collected: 04/04/13 09:30

Matrix: Water

Date Received: 04/05/13 09:16

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*82 - 132*		*04/08/13 10:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*82 - 121*		*04/08/13 10:33*	*1*
Dibromofluoromethane (Surr)	*95*		*85 - 119*		*04/08/13 10:33*	*1*
Toluene-d8 (Surr)	*99*		*85 - 115*		*04/08/13 10:33*	*1*

Client Sample ID: PZ-110-SS

Lab Sample ID: 160-2009-8

Date Collected: 04/04/13 10:27

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 15:07	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 15:07	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 15:07	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 15:07	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 15:07	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 15:07	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 15:07	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 15:07	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 15:07	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 15:07	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 15:07	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 15:07	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 15:07	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 15:07	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 15:07	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 15:07	1
Acetone	ND		20	6.7	ug/L			04/08/13 15:07	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 15:07	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 15:07	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 15:07	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 15:07	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 15:07	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 15:07	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 15:07	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 15:07	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 15:07	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 15:07	1
cis-1,2-Dichloroethene	**2.2**	**J**	5.0	0.16	ug/L			04/08/13 15:07	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 15:07	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 15:07	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 15:07	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 15:07	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 15:07	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 15:07	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 15:07	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 15:07	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 15:07	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 15:07	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 15:07	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-110-SS
Date Collected: 04/04/13 10:27
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 15:07	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 15:07	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 15:07	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 15:07	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 15:07	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 15:07	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 15:07	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 15:07	1
Vinyl chloride	**0.78**	**J**	5.0	0.43	ug/L			04/08/13 15:07	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/08/13 15:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/08/13 15:07*	*1*
Toluene-d8 (Surr)	*98*		*85 - 115*		*04/08/13 15:07*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/08/13 15:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 17:11	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:11	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:11	5
Barium	**330**		250	20	ug/L		04/08/13 15:15	04/09/13 17:11	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:11	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:11	5
Calcium	**250000**		5000	530	ug/L		04/08/13 15:15	04/09/13 17:11	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:11	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:11	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:11	5
Iron	**7600**		500	140	ug/L		04/08/13 15:15	04/09/13 17:11	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 17:11	5
Magnesium	**91000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:11	5
Manganese	**190**		75	17	ug/L		04/08/13 15:15	04/09/13 17:11	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:11	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:11	5
Selenium	**14**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 17:11	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:11	5
Sodium	**89000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:11	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:11	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:11	5
Zinc	ND		100	26	ug/L		04/08/13 15:15	04/09/13 17:11	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:51	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:51	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:11	04/10/13 14:51	5
Barium	**320**		250	20	ug/L		04/08/13 15:11	04/10/13 14:51	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:51	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:51	5

Client Sample ID: PZ-110-SS — **Lab Sample ID: 160-2009-8**
Date Collected: 04/04/13 10:27 — **Matrix: Water**
Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	250000		5000	530	ug/L		04/08/13 15:11	04/10/13 14:51	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:51	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:51	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:51	5
Iron	6800		500	140	ug/L		04/08/13 15:11	04/10/13 14:51	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:51	5
Magnesium	92000		5000	660	ug/L		04/08/13 15:11	04/10/13 14:51	5
Manganese	210		75	17	ug/L		04/08/13 15:11	04/10/13 14:51	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:51	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:51	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:51	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:51	5
Sodium	88000		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:51	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:51	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:51	5
Zinc	ND		100	26	ug/L		04/08/13 15:11	04/10/13 14:51	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:00	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.031		0.020	0.0040	mg/L			04/05/13 18:22	1
Bromide	2.4		0.25	0.025	mg/L			04/05/13 18:22	1
Iodide	0.28	J	1.0	0.10	mg/L			04/08/13 22:38	1
Alkalinity	780		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	46		10	1.0	mg/L			04/05/13 18:40	20

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		20	2.0	mg/L			04/08/13 18:16	100

Client Sample ID: I-62 — **Lab Sample ID: 160-2009-9**
Date Collected: 04/04/13 10:42 — **Matrix: Water**
Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 15:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 15:32	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 15:32	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 15:32	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 15:32	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-62
Date Collected: 04/04/13 10:42
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 15:32	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 15:32	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 15:32	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 15:32	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 15:32	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 15:32	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 15:32	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 15:32	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 15:32	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 15:32	1
Acetone	ND		20	6.7	ug/L			04/08/13 15:32	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 15:32	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 15:32	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 15:32	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 15:32	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 15:32	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 15:32	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 15:32	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 15:32	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 15:32	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 15:32	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 15:32	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 15:32	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 15:32	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 15:32	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 15:32	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 15:32	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 15:32	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 15:32	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 15:32	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 15:32	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 15:32	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 15:32	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 15:32	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 15:32	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 15:32	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 15:32	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 15:32	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 15:32	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 15:32	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 15:32	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 15:32	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*82 - 121*		*04/08/13 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/08/13 15:32*	*1*
Toluene-d8 (Surr)	*98*		*85 - 115*		*04/08/13 15:32*	*1*
Dibromofluoromethane (Surr)	*110*		*85 - 119*		*04/08/13 15:32*	*1*

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-62
Date Collected: 04/04/13 10:42
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-9
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	770	J	1000	400	ug/L		04/08/13 15:15	04/09/13 17:22	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:22	5
Arsenic	15	J	50	9.9	ug/L		04/08/13 15:15	04/09/13 17:22	5
Barium	390		250	20	ug/L		04/08/13 15:15	04/09/13 17:22	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:22	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:22	5
Calcium	120000		5000	530	ug/L		04/08/13 15:15	04/09/13 17:22	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:22	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:22	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:22	5
Iron	8900		500	140	ug/L		04/08/13 15:15	04/09/13 17:22	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 17:22	5
Magnesium	28000		5000	660	ug/L		04/08/13 15:15	04/09/13 17:22	5
Manganese	540		75	17	ug/L		04/08/13 15:15	04/09/13 17:22	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:22	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:22	5
Selenium	30	J ^	75	13	ug/L		04/08/13 15:15	04/09/13 17:22	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:22	5
Sodium	21000		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:22	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:22	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:22	5
Zinc	32	J	100	26	ug/L		04/08/13 15:15	04/09/13 17:22	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:55	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:55	5
Arsenic	14	J	50	9.9	ug/L		04/08/13 15:11	04/10/13 14:55	5
Barium	360		250	20	ug/L		04/08/13 15:11	04/10/13 14:55	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:55	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:55	5
Calcium	120000		5000	530	ug/L		04/08/13 15:11	04/10/13 14:55	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:55	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:55	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:55	5
Iron	6500		500	140	ug/L		04/08/13 15:11	04/10/13 14:55	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:55	5
Magnesium	28000		5000	660	ug/L		04/08/13 15:11	04/10/13 14:55	5
Manganese	520		75	17	ug/L		04/08/13 15:11	04/10/13 14:55	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:55	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:55	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:55	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:55	5
Sodium	22000		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:55	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:55	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:55	5
Zinc	ND		100	26	ug/L		04/08/13 15:11	04/10/13 14:55	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-62

Lab Sample ID: 160-2009-9

Date Collected: 04/04/13 10:42

Matrix: Water

Date Received: 04/05/13 09:16

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/05/13 19:33	1
Bromide	ND		0.25	0.025	mg/L			04/05/13 19:33	1
Iodide	ND		1.0	0.10	mg/L			04/08/13 22:52	1
Alkalinity	**300**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48**	**B**	2.0	0.20	mg/L			04/05/13 19:51	10
Sulfate	**30**		5.0	0.50	mg/L			04/05/13 19:51	10

Client Sample ID: S-8

Lab Sample ID: 160-2009-10

Date Collected: 04/04/13 11:32

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 15:58	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 15:58	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 15:58	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 15:58	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 15:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 15:58	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 15:58	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 15:58	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 15:58	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 15:58	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 15:58	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 15:58	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 15:58	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 15:58	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 15:58	1
Acetone	ND		20	6.7	ug/L			04/08/13 15:58	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 15:58	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 15:58	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 15:58	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 15:58	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 15:58	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 15:58	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 15:58	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 15:58	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 15:58	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: S-8
Date Collected: 04/04/13 11:32
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	0.55	ug/L			04/08/13 15:58	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 15:58	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 15:58	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 15:58	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 15:58	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 15:58	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 15:58	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 15:58	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 15:58	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 15:58	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 15:58	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 15:58	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 15:58	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 15:58	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 15:58	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 15:58	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 15:58	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 15:58	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 15:58	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 15:58	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 15:58	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 15:58	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*82 - 121*		*04/08/13 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*82 - 132*		*04/08/13 15:58*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/08/13 15:58*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/08/13 15:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 17:25	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:25	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:25	5
Barium	**400**		250	20	ug/L		04/08/13 15:15	04/09/13 17:25	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:25	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:25	5
Calcium	**130000**		5000	530	ug/L		04/08/13 15:15	04/09/13 17:25	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:25	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:25	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:25	5
Iron	**1600**		500	140	ug/L		04/08/13 15:15	04/09/13 17:25	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 17:25	5
Magnesium	**23000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:25	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:15	04/09/13 17:25	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:25	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:25	5
Selenium	**15**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 17:25	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:25	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: S-8
Date Collected: 04/04/13 11:32
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	27000		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:25	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:25	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:25	5
Zinc	ND		100	26	ug/L		04/08/13 15:15	04/09/13 17:25	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 14:58	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 14:58	5
Arsenic	13	J	50	9.9	ug/L		04/08/13 15:11	04/10/13 14:58	5
Barium	380		250	20	ug/L		04/08/13 15:11	04/10/13 14:58	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 14:58	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:58	5
Calcium	130000		5000	530	ug/L		04/08/13 15:11	04/10/13 14:58	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 14:58	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:58	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 14:58	5
Iron	480	J	500	140	ug/L		04/08/13 15:11	04/10/13 14:58	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 14:58	5
Magnesium	23000		5000	660	ug/L		04/08/13 15:11	04/10/13 14:58	5
Manganese	1200		75	17	ug/L		04/08/13 15:11	04/10/13 14:58	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 14:58	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 14:58	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 14:58	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 14:58	5
Sodium	27000		5000	1600	ug/L		04/08/13 15:11	04/10/13 14:58	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 14:58	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 14:58	5
Zinc	ND		100	26	ug/L		04/08/13 15:11	04/10/13 14:58	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.086	J	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:03	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.092	J ^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0054	J	0.020	0.0040	mg/L			04/05/13 20:09	1
Bromide	0.033	J	0.25	0.025	mg/L			04/05/13 20:09	1
Sulfate	20		0.50	0.050	mg/L			04/05/13 20:09	1
Iodide	ND		1.0	0.10	mg/L			04/08/13 23:07	1
Alkalinity	360		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48	B	2.0	0.20	mg/L			04/05/13 20:27	10

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-13
Date Collected: 04/04/13 11:55
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 16:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 16:23	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 16:23	1
1,1-Dichloroethane	**0.86**	**J**	5.0	0.39	ug/L			04/08/13 16:23	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 16:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 16:23	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 16:23	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 16:23	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 16:23	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 16:23	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 16:23	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 16:23	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 16:23	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 16:23	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 16:23	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 16:23	1
Acetone	ND		20	6.7	ug/L			04/08/13 16:23	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 16:23	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 16:23	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 16:23	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 16:23	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 16:23	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 16:23	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 16:23	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 16:23	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 16:23	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 16:23	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 16:23	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 16:23	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 16:23	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 16:23	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 16:23	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 16:23	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 16:23	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 16:23	1
Methyl tert-butyl ether	**12**		5.0	0.40	ug/L			04/08/13 16:23	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 16:23	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 16:23	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 16:23	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 16:23	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 16:23	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 16:23	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 16:23	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 16:23	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 16:23	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 16:23	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 16:23	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 16:23	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 16:23	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-13
Date Collected: 04/04/13 11:55
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*91*		*82 - 121*		*04/08/13 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*82 - 132*		*04/08/13 16:23*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/08/13 16:23*	*1*
Dibromofluoromethane (Surr)	*110*		*85 - 119*		*04/08/13 16:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2600**		1000	400	ug/L		04/08/13 15:15	04/09/13 17:29	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:29	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:29	5
Barium	**800**		250	20	ug/L		04/08/13 15:15	04/09/13 17:29	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:29	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:29	5
Calcium	**170000**		5000	530	ug/L		04/08/13 15:15	04/09/13 17:29	5
Chromium	**16**	**J**	50	16	ug/L		04/08/13 15:15	04/09/13 17:29	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:29	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:29	5
Iron	**31000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:29	5
Lead	**13**	**J**	50	7.5	ug/L		04/08/13 15:15	04/09/13 17:29	5
Magnesium	**39000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:29	5
Manganese	**620**		75	17	ug/L		04/08/13 15:15	04/09/13 17:29	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:29	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:29	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:15	04/09/13 17:29	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:29	5
Sodium	**33000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:29	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:29	5
Vanadium	**27**	**J**	250	20	ug/L		04/08/13 15:15	04/09/13 17:29	5
Zinc	**63**	**J**	100	26	ug/L		04/08/13 15:15	04/09/13 17:29	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 15:02	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 15:02	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:11	04/10/13 15:02	5
Barium	**680**		250	20	ug/L		04/08/13 15:11	04/10/13 15:02	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 15:02	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 15:02	5
Calcium	**160000**		5000	530	ug/L		04/08/13 15:11	04/10/13 15:02	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 15:02	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:02	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 15:02	5
Iron	**14000**		500	140	ug/L		04/08/13 15:11	04/10/13 15:02	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 15:02	5
Magnesium	**37000**		5000	660	ug/L		04/08/13 15:11	04/10/13 15:02	5
Manganese	**430**		75	17	ug/L		04/08/13 15:11	04/10/13 15:02	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 15:02	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 15:02	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 15:02	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 15:02	5

Client Sample ID: D-13

Lab Sample ID: 160-2009-11

Date Collected: 04/04/13 11:55

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**34000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 15:02	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 15:02	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:02	5
Zinc	ND		100	26	ug/L		04/08/13 15:11	04/10/13 15:02	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.087**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0055**	**J**	0.020	0.0040	mg/L			04/05/13 20:45	1
Bromide	**0.074**	**J**	0.25	0.025	mg/L			04/05/13 20:45	1
Iodide	ND		1.0	0.10	mg/L			04/08/13 23:21	1
Alkalinity	**390**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**34**		10	1.0	mg/L			04/05/13 21:03	20

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		20	2.0	mg/L			04/08/13 17:58	100

Client Sample ID: PZ-304-AS

Lab Sample ID: 160-2009-12

Date Collected: 04/04/13 12:56

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 16:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 16:48	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 16:48	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 16:48	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 16:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 16:48	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 16:48	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 16:48	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 16:48	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 16:48	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 16:48	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 16:48	1
1,4-Dichlorobenzene	**12**		5.0	0.35	ug/L			04/08/13 16:48	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 16:48	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 16:48	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 16:48	1
Acetone	ND		20	6.7	ug/L			04/08/13 16:48	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-304-AS
Date Collected: 04/04/13 12:56
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10**		5.0	0.25	ug/L			04/08/13 16:48	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 16:48	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 16:48	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 16:48	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 16:48	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 16:48	1
Chlorobenzene	**53**		5.0	0.38	ug/L			04/08/13 16:48	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 16:48	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 16:48	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 16:48	1
cis-1,2-Dichloroethene	**0.41**	**J**	5.0	0.16	ug/L			04/08/13 16:48	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 16:48	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 16:48	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 16:48	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 16:48	1
Ethylbenzene	**0.30**	**J**	5.0	0.30	ug/L			04/08/13 16:48	1
Isopropylbenzene	**0.53**	**J**	5.0	0.26	ug/L			04/08/13 16:48	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 16:48	1
Methyl tert-butyl ether	**0.52**	**J**	5.0	0.40	ug/L			04/08/13 16:48	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 16:48	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 16:48	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 16:48	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 16:48	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 16:48	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 16:48	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 16:48	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 16:48	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 16:48	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 16:48	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 16:48	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 16:48	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/08/13 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*82 - 132*		*04/08/13 16:48*	*1*
Toluene-d8 (Surr)	*100*		*85 - 115*		*04/08/13 16:48*	*1*
Dibromofluoromethane (Surr)	*109*		*85 - 119*		*04/08/13 16:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:15	04/09/13 17:33	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:33	5
Arsenic	**230**		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:33	5
Barium	**1900**		250	20	ug/L		04/08/13 15:15	04/09/13 17:33	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:33	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:33	5
Calcium	**110000**		5000	530	ug/L		04/08/13 15:15	04/09/13 17:33	5
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:33	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:33	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-304-AS
Date Collected: 04/04/13 12:56
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-12
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:33	5
Iron	**29000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:33	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 17:33	5
Magnesium	**79000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:33	5
Manganese	**110**		75	17	ug/L		04/08/13 15:15	04/09/13 17:33	5
Nickel	**80**	**J**	200	67	ug/L		04/08/13 15:15	04/09/13 17:33	5
Potassium	**77000**		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:33	5
Selenium	**13**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 17:33	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:33	5
Sodium	**420000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:33	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:33	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:33	5
Zinc	**26**	**J**	100	26	ug/L		04/08/13 15:15	04/09/13 17:33	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 15:06	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 15:06	5
Arsenic	**230**		50	9.9	ug/L		04/08/13 15:11	04/10/13 15:06	5
Barium	**1800**		250	20	ug/L		04/08/13 15:11	04/10/13 15:06	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 15:06	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 15:06	5
Calcium	**120000**		5000	530	ug/L		04/08/13 15:11	04/10/13 15:06	5
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 15:06	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:06	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 15:06	5
Iron	**28000**		500	140	ug/L		04/08/13 15:11	04/10/13 15:06	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 15:06	5
Magnesium	**81000**		5000	660	ug/L		04/08/13 15:11	04/10/13 15:06	5
Manganese	**120**		75	17	ug/L		04/08/13 15:11	04/10/13 15:06	5
Nickel	**77**	**J**	200	67	ug/L		04/08/13 15:11	04/10/13 15:06	5
Potassium	**78000**		25000	8300	ug/L		04/08/13 15:11	04/10/13 15:06	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 15:06	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 15:06	5
Sodium	**430000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 15:06	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 15:06	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:06	5
Zinc	ND		100	26	ug/L		04/08/13 15:11	04/10/13 15:06	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:07	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/05/13 21:21	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-304-AS

Lab Sample ID: 160-2009-12

Date Collected: 04/04/13 12:56

Matrix: Water

Date Received: 04/05/13 09:16

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**3.5**		0.25	0.025	mg/L			04/05/13 21:21	1
Sulfate	**0.30**	**J**	0.50	0.050	mg/L			04/05/13 21:21	1
Iodide	**1.0**		1.0	0.10	mg/L			04/08/13 23:36	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**1200**		25	2.7	mg/L			04/10/13 12:11	5

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**400**		40	4.0	mg/L			04/08/13 19:10	200

Client Sample ID: PZ-303-AS

Lab Sample ID: 160-2009-13

Date Collected: 04/04/13 13:00

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 17:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 17:13	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 17:13	1
1,1-Dichloroethane	**0.65**	**J**	5.0	0.39	ug/L			04/08/13 17:13	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 17:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 17:13	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 17:13	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 17:13	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 17:13	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 17:13	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 17:13	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 17:13	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 17:13	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 17:13	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 17:13	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 17:13	1
Acetone	**7.3**	**J**	20	6.7	ug/L			04/08/13 17:13	1
Benzene	**68**		5.0	0.25	ug/L			04/08/13 17:13	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 17:13	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 17:13	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 17:13	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 17:13	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 17:13	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 17:13	1
Chloroethane	**7.0**	**J**	10	0.38	ug/L			04/08/13 17:13	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 17:13	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 17:13	1
cis-1,2-Dichloroethene	**1.1**	**J**	5.0	0.16	ug/L			04/08/13 17:13	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 17:13	1
Cyclohexane	**17**		10	0.36	ug/L			04/08/13 17:13	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 17:13	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 17:13	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-303-AS
Date Collected: 04/04/13 13:00
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**45**		5.0	0.30	ug/L			04/08/13 17:13	1
Isopropylbenzene	**4.9**	**J**	5.0	0.26	ug/L			04/08/13 17:13	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 17:13	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 17:13	1
Methylcyclohexane	**46**		10	0.26	ug/L			04/08/13 17:13	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 17:13	1
m-Xylene & p-Xylene	**310**		5.0	0.57	ug/L			04/08/13 17:13	1
o-Xylene	**78**		5.0	0.32	ug/L			04/08/13 17:13	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 17:13	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 17:13	1
Toluene	**88**		5.0	1.0	ug/L			04/08/13 17:13	1
trans-1,2-Dichloroethene	**0.91**	**J**	5.0	0.18	ug/L			04/08/13 17:13	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 17:13	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 17:13	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 17:13	1
Vinyl chloride	**1.1**	**J**	5.0	0.43	ug/L			04/08/13 17:13	1
Xylenes, Total	**390**		10	0.85	ug/L			04/08/13 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*82 - 121*		*04/08/13 17:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/08/13 17:13*	*1*
Toluene-d8 (Surr)	*103*		*85 - 115*		*04/08/13 17:13*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/08/13 17:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**750**	**J**	1000	400	ug/L		04/08/13 15:15	04/09/13 17:37	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:37	5
Arsenic	**110**		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:37	5
Barium	**790**		250	20	ug/L		04/08/13 15:15	04/09/13 17:37	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:37	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:37	5
Calcium	**290000**	**E**	5000	530	ug/L		04/08/13 15:15	04/09/13 17:37	5
Calcium	**310000**		10000	1100	ug/L		04/08/13 15:15	04/10/13 10:55	10
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:37	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:37	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:37	5
Iron	**76000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:37	5
Lead	**14**	**J**	50	7.5	ug/L		04/08/13 15:15	04/09/13 17:37	5
Magnesium	**74000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:37	5
Manganese	**1100**		75	17	ug/L		04/08/13 15:15	04/09/13 17:37	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:37	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:15	04/09/13 17:37	5
Selenium	**15**	**J ^**	75	13	ug/L		04/08/13 15:15	04/09/13 17:37	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:37	5
Sodium	**51000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:37	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:37	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:37	5
Zinc	ND		100	26	ug/L		04/08/13 15:15	04/09/13 17:37	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-303-AS

Lab Sample ID: 160-2009-13

Date Collected: 04/04/13 13:00

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 15:09	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 15:09	5
Arsenic	**110**		50	9.9	ug/L		04/08/13 15:11	04/10/13 15:09	5
Barium	**670**		250	20	ug/L		04/08/13 15:11	04/10/13 15:09	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 15:09	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 15:09	5
Calcium	**290000**	**E**	5000	530	ug/L		04/08/13 15:11	04/10/13 15:09	5
Calcium	**300000**		10000	1100	ug/L		04/08/13 15:11	04/11/13 11:08	10
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 15:09	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:09	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 15:09	5
Iron	**66000**		500	140	ug/L		04/08/13 15:11	04/10/13 15:09	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 15:09	5
Magnesium	**74000**		5000	660	ug/L		04/08/13 15:11	04/10/13 15:09	5
Manganese	**1100**		75	17	ug/L		04/08/13 15:11	04/10/13 15:09	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 15:09	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:11	04/10/13 15:09	5
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 15:09	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 15:09	5
Sodium	**52000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 15:09	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 15:09	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:09	5
Zinc	**26**	**J**	100	26	ug/L		04/08/13 15:11	04/10/13 15:09	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.011**	**J**	0.020	0.0040	mg/L			04/05/13 23:08	1
Bromide	**1.1**		0.25	0.025	mg/L			04/05/13 23:08	1
Sulfate	**1.3**		0.50	0.050	mg/L			04/05/13 23:08	1
Iodide	**0.28**	**J**	1.0	0.10	mg/L			04/09/13 00:04	1
Alkalinity	**920**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		20	2.0	mg/L			04/08/13 19:27	100

Client Sample ID: D-12

Lab Sample ID: 160-2009-14

Date Collected: 04/04/13 13:50

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 17:38	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-12
Date Collected: 04/04/13 13:50
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 17:38	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 17:38	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 17:38	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 17:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 17:38	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 17:38	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 17:38	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 17:38	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 17:38	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 17:38	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 17:38	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 17:38	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 17:38	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 17:38	1
Acetone	ND		20	6.7	ug/L			04/08/13 17:38	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 17:38	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 17:38	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 17:38	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 17:38	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 17:38	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 17:38	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 17:38	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 17:38	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 17:38	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 17:38	1
cis-1,2-Dichloroethene	**0.73**	**J**	5.0	0.16	ug/L			04/08/13 17:38	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 17:38	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 17:38	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 17:38	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 17:38	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 17:38	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 17:38	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 17:38	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 17:38	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 17:38	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 17:38	1
m-Xylene & p-Xylene	**0.68**	**J**	5.0	0.57	ug/L			04/08/13 17:38	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 17:38	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 17:38	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 17:38	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 17:38	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 17:38	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 17:38	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 17:38	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 17:38	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 17:38	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 17:38	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-12
Date Collected: 04/04/13 13:50
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-14
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*97*		*82 - 121*		*04/08/13 17:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*82 - 132*		*04/08/13 17:38*	*1*
Toluene-d8 (Surr)	*103*		*85 - 115*		*04/08/13 17:38*	*1*
Dibromofluoromethane (Surr)	*108*		*85 - 119*		*04/08/13 17:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**880**	**J**	1000	400	ug/L		04/08/13 15:15	04/09/13 17:40	5
Antimony	ND		50	20	ug/L		04/08/13 15:15	04/09/13 17:40	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:15	04/09/13 17:40	5
Barium	**500**		250	20	ug/L		04/08/13 15:15	04/09/13 17:40	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:15	04/09/13 17:40	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 17:40	5
Calcium	**580000**	**E**	5000	530	ug/L		04/08/13 15:15	04/09/13 17:40	5
Calcium	**640000**		20000	2100	ug/L		04/08/13 15:15	04/10/13 10:58	20
Chromium	ND		50	16	ug/L		04/08/13 15:15	04/09/13 17:40	5
Cobalt	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:40	5
Copper	ND		130	23	ug/L		04/08/13 15:15	04/09/13 17:40	5
Iron	**19000**		500	140	ug/L		04/08/13 15:15	04/09/13 17:40	5
Lead	ND		50	7.5	ug/L		04/08/13 15:15	04/09/13 17:40	5
Magnesium	**64000**		5000	660	ug/L		04/08/13 15:15	04/09/13 17:40	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:15	04/09/13 17:40	5
Nickel	ND		200	67	ug/L		04/08/13 15:15	04/09/13 17:40	5
Potassium	**14000**	**J**	25000	8300	ug/L		04/08/13 15:15	04/09/13 17:40	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:15	04/09/13 17:40	5
Silver	ND		50	30	ug/L		04/08/13 15:15	04/09/13 17:40	5
Sodium	**180000**		5000	1600	ug/L		04/08/13 15:15	04/09/13 17:40	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:15	04/09/13 17:40	5
Vanadium	ND		250	20	ug/L		04/08/13 15:15	04/09/13 17:40	5
Zinc	**28**	**J**	100	26	ug/L		04/08/13 15:15	04/09/13 17:40	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:11	04/10/13 15:13	5
Antimony	ND		50	20	ug/L		04/08/13 15:11	04/10/13 15:13	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:11	04/10/13 15:13	5
Barium	**440**		250	20	ug/L		04/08/13 15:11	04/10/13 15:13	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:11	04/10/13 15:13	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 15:13	5
Calcium	**580000**	**E**	5000	530	ug/L		04/08/13 15:11	04/10/13 15:13	5
Calcium	**630000**		20000	2100	ug/L		04/08/13 15:11	04/11/13 11:12	20
Chromium	ND		50	16	ug/L		04/08/13 15:11	04/10/13 15:13	5
Cobalt	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:13	5
Copper	ND		130	23	ug/L		04/08/13 15:11	04/10/13 15:13	5
Iron	**11000**		500	140	ug/L		04/08/13 15:11	04/10/13 15:13	5
Lead	ND		50	7.5	ug/L		04/08/13 15:11	04/10/13 15:13	5
Magnesium	**65000**		5000	660	ug/L		04/08/13 15:11	04/10/13 15:13	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:11	04/10/13 15:13	5
Nickel	ND		200	67	ug/L		04/08/13 15:11	04/10/13 15:13	5
Potassium	**14000**	**J**	25000	8300	ug/L		04/08/13 15:11	04/10/13 15:13	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: D-12

Lab Sample ID: 160-2009-14

Date Collected: 04/04/13 13:50

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		75	13	ug/L		04/08/13 15:11	04/10/13 15:13	5
Silver	ND		50	30	ug/L		04/08/13 15:11	04/10/13 15:13	5
Sodium	**180000**		5000	1600	ug/L		04/08/13 15:11	04/10/13 15:13	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:11	04/10/13 15:13	5
Vanadium	ND		250	20	ug/L		04/08/13 15:11	04/10/13 15:13	5
Zinc	**26**	**J**	100	26	ug/L		04/08/13 15:11	04/10/13 15:13	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.076**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/05/13 23:44	1
Bromide	**3.9**		0.25	0.025	mg/L			04/05/13 23:44	1
Iodide	**0.20**	**J**	1.0	0.10	mg/L			04/09/13 00:19	1
Alkalinity	**940**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		20	2.0	mg/L			04/08/13 19:45	100
Sulfate	**680**		50	5.0	mg/L			04/08/13 19:45	100

Client Sample ID: PZ-111-SD

Lab Sample ID: 160-2009-15

Date Collected: 04/04/13 13:52

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 10:58	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 10:58	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 10:58	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 10:58	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 10:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 10:58	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 10:58	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 10:58	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 10:58	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 10:58	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 10:58	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 10:58	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 10:58	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 10:58	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 10:58	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 10:58	1
Acetone	ND		20	6.7	ug/L			04/08/13 10:58	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 10:58	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-111-SD
Date Collected: 04/04/13 13:52
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 10:58	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 10:58	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 10:58	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 10:58	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 10:58	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 10:58	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 10:58	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 10:58	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 10:58	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 10:58	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 10:58	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 10:58	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 10:58	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 10:58	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 10:58	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 10:58	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 10:58	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 10:58	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 10:58	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 10:58	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 10:58	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 10:58	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 10:58	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 10:58	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 10:58	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 10:58	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 10:58	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 10:58	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 10:58	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 10:58	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*82 - 121*		*04/08/13 10:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/08/13 10:58*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/08/13 10:58*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/08/13 10:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:17	04/09/13 17:51	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 17:51	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:17	04/09/13 17:51	5
Barium	**120**	**J**	250	20	ug/L		04/08/13 15:17	04/09/13 17:51	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 17:51	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 17:51	5
Calcium	**98000**		5000	530	ug/L		04/08/13 15:17	04/09/13 17:51	5
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 17:51	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 17:51	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 17:51	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-111-SD
Date Collected: 04/04/13 13:52
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-15
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		500	140	ug/L		04/08/13 15:17	04/09/13 17:51	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 17:51	5
Magnesium	**55000**		5000	660	ug/L		04/08/13 15:17	04/09/13 17:51	5
Manganese	ND		75	17	ug/L		04/08/13 15:17	04/09/13 17:51	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 17:51	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:17	04/09/13 17:51	5
Selenium	**36**	**J ^**	75	13	ug/L		04/08/13 15:17	04/09/13 17:51	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 17:51	5
Sodium	**19000**		5000	1600	ug/L		04/08/13 15:17	04/09/13 17:51	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 17:51	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 17:51	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 17:51	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 15:31	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 15:31	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:13	04/10/13 15:31	5
Barium	**120**	**J**	250	20	ug/L		04/08/13 15:13	04/10/13 15:31	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 15:31	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 15:31	5
Calcium	**99000**		5000	530	ug/L		04/08/13 15:13	04/10/13 15:31	5
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 15:31	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:31	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 15:31	5
Iron	ND		500	140	ug/L		04/08/13 15:13	04/10/13 15:31	5
Lead	ND		50	7.5	ug/L		04/08/13 15:13	04/10/13 15:31	5
Magnesium	**56000**		5000	660	ug/L		04/08/13 15:13	04/10/13 15:31	5
Manganese	ND		75	17	ug/L		04/08/13 15:13	04/10/13 15:31	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 15:31	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:13	04/10/13 15:31	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 15:31	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 15:31	5
Sodium	**19000**		5000	1600	ug/L		04/08/13 15:13	04/10/13 15:31	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 15:31	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:31	5
Zinc	**28**	**J B**	100	26	ug/L		04/08/13 15:13	04/10/13 15:31	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.089**		0.020	0.0040	mg/L			04/06/13 00:20	1
Bromide	**0.072**	**J**	0.25	0.025	mg/L			04/06/13 00:20	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-111-SD

Lab Sample ID: 160-2009-15

Date Collected: 04/04/13 13:52

Matrix: Water

Date Received: 04/05/13 09:16

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodide	ND		1.0	0.10	mg/L			04/09/13 00:33	1
Alkalinity	**410**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10**	**B**	4.0	0.40	mg/L			04/06/13 00:38	20
Sulfate	**44**		10	1.0	mg/L			04/06/13 00:38	20

Client Sample ID: PZ-304-AI

Lab Sample ID: 160-2009-16

Date Collected: 04/04/13 14:08

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 18:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 18:03	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 18:03	1
1,1-Dichloroethane	**0.89**	**J**	5.0	0.39	ug/L			04/08/13 18:03	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 18:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 18:03	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 18:03	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 18:03	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 18:03	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 18:03	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 18:03	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 18:03	1
1,4-Dichlorobenzene	**1.2**	**J**	5.0	0.35	ug/L			04/08/13 18:03	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 18:03	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 18:03	1
Acetone	ND		20	6.7	ug/L			04/08/13 18:03	1
Benzene	**0.95**	**J**	5.0	0.25	ug/L			04/08/13 18:03	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 18:03	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 18:03	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 18:03	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 18:03	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 18:03	1
Chlorobenzene	**5.8**		5.0	0.38	ug/L			04/08/13 18:03	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 18:03	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 18:03	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 18:03	1
cis-1,2-Dichloroethene	**2.5**	**J**	5.0	0.16	ug/L			04/08/13 18:03	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 18:03	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 18:03	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 18:03	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 18:03	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 18:03	1
Isopropylbenzene	**0.27**	**J**	5.0	0.26	ug/L			04/08/13 18:03	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 18:03	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 18:03	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-304-AI
Date Collected: 04/04/13 14:08
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 18:03	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 18:03	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 18:03	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 18:03	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 18:03	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 18:03	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 18:03	1
trans-1,2-Dichloroethene	**0.27**	**J**	5.0	0.18	ug/L			04/08/13 18:03	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 18:03	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 18:03	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 18:03	1
Vinyl chloride	**2.5**	**J**	5.0	0.43	ug/L			04/08/13 18:03	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*82 - 121*		*04/08/13 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/08/13 18:03*	*1*
Toluene-d8 (Surr)	*98*		*85 - 115*		*04/08/13 18:03*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/08/13 18:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:17	04/09/13 18:13	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:13	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:17	04/09/13 18:13	5
Barium	**1200**		250	20	ug/L		04/08/13 15:17	04/09/13 18:13	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:13	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:13	5
Calcium	**240000**		5000	530	ug/L		04/08/13 15:17	04/09/13 18:13	5
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:13	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:13	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:13	5
Iron	**16000**		500	140	ug/L		04/08/13 15:17	04/09/13 18:13	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 18:13	5
Magnesium	**68000**		5000	660	ug/L		04/08/13 15:17	04/09/13 18:13	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:17	04/09/13 18:13	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:13	5
Potassium	**11000**	**J**	25000	8300	ug/L		04/08/13 15:17	04/09/13 18:13	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:17	04/09/13 18:13	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:13	5
Sodium	**170000**		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:13	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:13	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:13	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 18:13	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 15:46	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 15:46	5
Arsenic	**11**	**J B**	50	9.9	ug/L		04/08/13 15:13	04/10/13 15:46	5

Client Sample ID: PZ-304-AI

Lab Sample ID: 160-2009-16

Date Collected: 04/04/13 14:08

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**1200**		250	20	ug/L		04/08/13 15:13	04/10/13 15:46	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 15:46	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 15:46	5
Calcium	**250000**		5000	530	ug/L		04/08/13 15:13	04/10/13 15:46	5
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 15:46	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:46	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 15:46	5
Iron	**16000**		500	140	ug/L		04/08/13 15:13	04/10/13 15:46	5
Lead	ND		50	7.5	ug/L		04/08/13 15:13	04/10/13 15:46	5
Magnesium	**72000**		5000	660	ug/L		04/08/13 15:13	04/10/13 15:46	5
Manganese	**1300**		75	17	ug/L		04/08/13 15:13	04/10/13 15:46	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 15:46	5
Potassium	**11000**	**J**	25000	8300	ug/L		04/08/13 15:13	04/10/13 15:46	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 15:46	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 15:46	5
Sodium	**170000**		5000	1600	ug/L		04/08/13 15:13	04/10/13 15:46	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 15:46	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:46	5
Zinc	**30**	**J B**	100	26	ug/L		04/08/13 15:13	04/10/13 15:46	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:13	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.087**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.042**		0.020	0.0040	mg/L			04/06/13 00:56	1
Bromide	**2.2**		0.25	0.025	mg/L			04/06/13 00:56	1
Sulfate	**11**		0.50	0.050	mg/L			04/06/13 00:56	1
Iodide	**0.50**	**J**	1.0	0.10	mg/L			04/09/13 01:16	1
Alkalinity	**790**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		20	2.0	mg/L			04/08/13 20:21	100

Client Sample ID: I-11

Lab Sample ID: 160-2009-17

Date Collected: 04/04/13 14:40

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 18:28	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 18:28	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 18:28	1
1,1-Dichloroethane	**0.63**	**J**	5.0	0.39	ug/L			04/08/13 18:28	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 18:28	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-11
Date Collected: 04/04/13 14:40
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 18:28	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 18:28	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 18:28	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 18:28	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 18:28	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 18:28	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 18:28	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 18:28	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 18:28	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 18:28	1
Acetone	ND		20	6.7	ug/L			04/08/13 18:28	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 18:28	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 18:28	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 18:28	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 18:28	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 18:28	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 18:28	1
Chlorobenzene	**1.1**	**J**	5.0	0.38	ug/L			04/08/13 18:28	1
Chloroethane	**4.5**	**J**	10	0.38	ug/L			04/08/13 18:28	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 18:28	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 18:28	1
cis-1,2-Dichloroethene	**2.1**	**J**	5.0	0.16	ug/L			04/08/13 18:28	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 18:28	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 18:28	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 18:28	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 18:28	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 18:28	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 18:28	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 18:28	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 18:28	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 18:28	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 18:28	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 18:28	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 18:28	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 18:28	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 18:28	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 18:28	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 18:28	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 18:28	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 18:28	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 18:28	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 18:28	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*82 - 121*		*04/08/13 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/08/13 18:28*	*1*
Toluene-d8 (Surr)	*100*		*85 - 115*		*04/08/13 18:28*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/08/13 18:28*	*1*

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-11
Date Collected: 04/04/13 14:40
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-17
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:17	04/09/13 18:16	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:16	5
Arsenic	**14**	**J**	50	9.9	ug/L		04/08/13 15:17	04/09/13 18:16	5
Barium	**890**		250	20	ug/L		04/08/13 15:17	04/09/13 18:16	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:16	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:16	5
Calcium	**260000**	**E**	5000	530	ug/L		04/08/13 15:17	04/09/13 18:16	5
Calcium	**280000**		10000	1100	ug/L		04/08/13 15:17	04/10/13 11:02	10
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:16	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:16	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:16	5
Iron	**36000**		500	140	ug/L		04/08/13 15:17	04/09/13 18:16	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 18:16	5
Magnesium	**99000**		5000	660	ug/L		04/08/13 15:17	04/09/13 18:16	5
Manganese	**2100**		75	17	ug/L		04/08/13 15:17	04/09/13 18:16	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:16	5
Potassium	**27000**		25000	8300	ug/L		04/08/13 15:17	04/09/13 18:16	5
Selenium	**21**	**J ^**	75	13	ug/L		04/08/13 15:17	04/09/13 18:16	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:16	5
Sodium	**130000**		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:16	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:16	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:16	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 18:16	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 15:49	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 15:49	5
Arsenic	**21**	**J B**	50	9.9	ug/L		04/08/13 15:13	04/10/13 15:49	5
Barium	**850**		250	20	ug/L		04/08/13 15:13	04/10/13 15:49	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 15:49	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 15:49	5
Calcium	**260000**	**E**	5000	530	ug/L		04/08/13 15:13	04/10/13 15:49	5
Calcium	**270000**		10000	1100	ug/L		04/08/13 15:13	04/11/13 11:16	10
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 15:49	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:49	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 15:49	5
Iron	**34000**		500	140	ug/L		04/08/13 15:13	04/10/13 15:49	5
Lead	**9.5**	**J**	50	7.5	ug/L		04/08/13 15:13	04/10/13 15:49	5
Magnesium	**99000**		5000	660	ug/L		04/08/13 15:13	04/10/13 15:49	5
Manganese	**2200**		75	17	ug/L		04/08/13 15:13	04/10/13 15:49	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 15:49	5
Potassium	**26000**		25000	8300	ug/L		04/08/13 15:13	04/10/13 15:49	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 15:49	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 15:49	5
Sodium	**130000**		5000	1600	ug/L		04/08/13 15:13	04/10/13 15:49	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 15:49	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:49	5
Zinc	**30**	**J B**	100	26	ug/L		04/08/13 15:13	04/10/13 15:49	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: I-11

Lab Sample ID: 160-2009-17

Date Collected: 04/04/13 14:40

Matrix: Water

Date Received: 04/05/13 09:16

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088	J	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0048	J	0.020	0.0040	mg/L			04/06/13 01:32	1
Bromide	2.2		0.25	0.025	mg/L			04/06/13 01:32	1
Iodide	0.34	J	1.0	0.10	mg/L			04/09/13 01:31	1
Alkalinity	930		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	150		10	1.0	mg/L			04/06/13 01:50	20

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		20	2.0	mg/L			04/08/13 20:57	100

Client Sample ID: PZ-105-SS

Lab Sample ID: 160-2009-18

Date Collected: 04/04/13 15:06

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 18:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 18:53	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 18:53	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 18:53	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 18:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 18:53	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 18:53	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 18:53	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 18:53	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 18:53	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 18:53	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 18:53	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 18:53	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 18:53	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 18:53	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 18:53	1
Acetone	ND		20	6.7	ug/L			04/08/13 18:53	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 18:53	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 18:53	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 18:53	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 18:53	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 18:53	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 18:53	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 18:53	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-105-SS
Date Collected: 04/04/13 15:06
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		10	0.38	ug/L			04/08/13 18:53	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 18:53	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 18:53	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 18:53	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 18:53	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 18:53	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 18:53	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 18:53	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 18:53	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 18:53	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 18:53	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 18:53	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 18:53	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 18:53	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 18:53	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 18:53	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 18:53	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 18:53	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 18:53	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 18:53	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 18:53	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 18:53	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 18:53	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 18:53	1
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*82 - 121*		*04/08/13 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*82 - 132*		*04/08/13 18:53*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/08/13 18:53*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/08/13 18:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:17	04/09/13 18:20	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:20	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:17	04/09/13 18:20	5
Barium	**180**	**J**	250	20	ug/L		04/08/13 15:17	04/09/13 18:20	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:20	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:20	5
Calcium	**100000**		5000	530	ug/L		04/08/13 15:17	04/09/13 18:20	5
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:20	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:20	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:20	5
Iron	**520**		500	140	ug/L		04/08/13 15:17	04/09/13 18:20	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 18:20	5
Magnesium	**52000**		5000	660	ug/L		04/08/13 15:17	04/09/13 18:20	5
Manganese	ND		75	17	ug/L		04/08/13 15:17	04/09/13 18:20	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:20	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:17	04/09/13 18:20	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: PZ-105-SS
Date Collected: 04/04/13 15:06
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-18
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	14	J ^	75	13	ug/L		04/08/13 15:17	04/09/13 18:20	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:20	5
Sodium	64000		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:20	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:20	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:20	5
Zinc	32	J B	100	26	ug/L		04/08/13 15:17	04/09/13 18:20	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 15:53	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 15:53	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:13	04/10/13 15:53	5
Barium	170	J	250	20	ug/L		04/08/13 15:13	04/10/13 15:53	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 15:53	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 15:53	5
Calcium	100000		5000	530	ug/L		04/08/13 15:13	04/10/13 15:53	5
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 15:53	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:53	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 15:53	5
Iron	210	J	500	140	ug/L		04/08/13 15:13	04/10/13 15:53	5
Lead	ND		50	7.5	ug/L		04/08/13 15:13	04/10/13 15:53	5
Magnesium	54000		5000	660	ug/L		04/08/13 15:13	04/10/13 15:53	5
Manganese	ND		75	17	ug/L		04/08/13 15:13	04/10/13 15:53	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 15:53	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:13	04/10/13 15:53	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 15:53	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 15:53	5
Sodium	65000		5000	1600	ug/L		04/08/13 15:13	04/10/13 15:53	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 15:53	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:53	5
Zinc	42	J B	100	26	ug/L		04/08/13 15:13	04/10/13 15:53	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:20	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.011	J	0.020	0.0040	mg/L			04/06/13 02:43	1
Bromide	0.061	J	0.25	0.025	mg/L			04/06/13 02:43	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 01:45	1
Alkalinity	350		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94	B	4.0	0.40	mg/L			04/06/13 03:01	20
Sulfate	86		10	1.0	mg/L			04/06/13 03:01	20

TestAmerica St. Louis

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: S-10
Date Collected: 04/04/13 15:25
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/09/13 13:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 13:19	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 13:19	1
1,1-Dichloroethane	**0.43**	**J**	5.0	0.39	ug/L			04/09/13 13:19	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 13:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 13:19	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 13:19	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 13:19	1
1,2-Dichlorobenzene	**0.46**	**J**	5.0	0.28	ug/L			04/09/13 13:19	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 13:19	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 13:19	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 13:19	1
1,4-Dichlorobenzene	**1.4**	**J**	5.0	0.35	ug/L			04/09/13 13:19	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 13:19	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 13:19	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 13:19	1
Acetone	ND		20	6.7	ug/L			04/09/13 13:19	1
Benzene	**2.4**	**J**	5.0	0.25	ug/L			04/09/13 13:19	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 13:19	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 13:19	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 13:19	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 13:19	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 13:19	1
Chlorobenzene	**9.6**		5.0	0.38	ug/L			04/09/13 13:19	1
Chloroethane	**2.1**	**J**	10	0.38	ug/L			04/09/13 13:19	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 13:19	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 13:19	1
cis-1,2-Dichloroethene	**1.8**	**J**	5.0	0.16	ug/L			04/09/13 13:19	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 13:19	1
Cyclohexane	**0.69**	**J**	10	0.36	ug/L			04/09/13 13:19	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 13:19	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 13:19	1
Ethylbenzene	**0.35**	**J**	5.0	0.30	ug/L			04/09/13 13:19	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 13:19	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 13:19	1
Methyl tert-butyl ether	**0.58**	**J**	5.0	0.40	ug/L			04/09/13 13:19	1
Methylcyclohexane	**0.78**	**J**	10	0.26	ug/L			04/09/13 13:19	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 13:19	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 13:19	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 13:19	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 13:19	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 13:19	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 13:19	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 13:19	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 13:19	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 13:19	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 13:19	1
Vinyl chloride	**0.75**	**J**	5.0	0.43	ug/L			04/09/13 13:19	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 13:19	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: S-10
Date Collected: 04/04/13 15:25
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-19
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*82 - 121*		*04/09/13 13:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/09/13 13:19*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/09/13 13:19*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/09/13 13:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1000**		1000	400	ug/L		04/08/13 15:17	04/09/13 18:24	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:24	5
Arsenic	**54**		50	9.9	ug/L		04/08/13 15:17	04/09/13 18:24	5
Barium	**180**	**J**	250	20	ug/L		04/08/13 15:17	04/09/13 18:24	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:24	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:24	5
Calcium	**230000**		5000	530	ug/L		04/08/13 15:17	04/09/13 18:24	5
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:24	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:24	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:24	5
Iron	**130000**		500	140	ug/L		04/08/13 15:17	04/09/13 18:24	5
Lead	**8.5**	**J**	50	7.5	ug/L		04/08/13 15:17	04/09/13 18:24	5
Magnesium	**140000**		5000	660	ug/L		04/08/13 15:17	04/09/13 18:24	5
Manganese	**7300**		75	17	ug/L		04/08/13 15:17	04/09/13 18:24	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:24	5
Potassium	**38000**		25000	8300	ug/L		04/08/13 15:17	04/09/13 18:24	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:17	04/09/13 18:24	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:24	5
Sodium	**180000**		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:24	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:24	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:24	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 18:24	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**830**	**J**	1000	400	ug/L		04/08/13 15:13	04/10/13 15:57	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 15:57	5
Arsenic	**63**	**B**	50	9.9	ug/L		04/08/13 15:13	04/10/13 15:57	5
Barium	**200**	**J**	250	20	ug/L		04/08/13 15:13	04/10/13 15:57	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 15:57	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 15:57	5
Calcium	**250000**		5000	530	ug/L		04/08/13 15:13	04/10/13 15:57	5
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 15:57	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:57	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 15:57	5
Iron	**130000**		500	140	ug/L		04/08/13 15:13	04/10/13 15:57	5
Lead	**8.5**	**J**	50	7.5	ug/L		04/08/13 15:13	04/10/13 15:57	5
Magnesium	**150000**		5000	660	ug/L		04/08/13 15:13	04/10/13 15:57	5
Manganese	**7800**		75	17	ug/L		04/08/13 15:13	04/10/13 15:57	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 15:57	5
Potassium	**39000**		25000	8300	ug/L		04/08/13 15:13	04/10/13 15:57	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 15:57	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 15:57	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: S-10

Lab Sample ID: 160-2009-19

Date Collected: 04/04/13 15:25

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**190000**		5000	1600	ug/L		04/08/13 15:13	04/10/13 15:57	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 15:57	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 15:57	5
Zinc	ND		100	26	ug/L		04/08/13 15:13	04/10/13 15:57	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J**	0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**	**J ^**	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0045**	**J**	0.020	0.0040	mg/L			04/06/13 03:19	1
Bromide	**1.9**		0.25	0.025	mg/L			04/06/13 03:19	1
Iodide	**0.28**	**J**	1.0	0.10	mg/L			04/09/13 02:00	1
Alkalinity	**860**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		20	2.0	mg/L			04/08/13 21:15	100
Sulfate	**590**		50	5.0	mg/L			04/08/13 21:15	100

Client Sample ID: LR-104

Lab Sample ID: 160-2009-20

Date Collected: 04/04/13 15:52

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/09/13 13:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 13:44	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 13:44	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 13:44	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 13:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 13:44	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 13:44	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 13:44	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 13:44	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 13:44	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 13:44	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 13:44	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 13:44	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 13:44	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 13:44	1
Acetone	ND		20	6.7	ug/L			04/09/13 13:44	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 13:44	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 13:44	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 13:44	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-104
Date Collected: 04/04/13 15:52
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		10	0.40	ug/L			04/09/13 13:44	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 13:44	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 13:44	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 13:44	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 13:44	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 13:44	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 13:44	1
cis-1,2-Dichloroethene	**0.65**	**J**	5.0	0.16	ug/L			04/09/13 13:44	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 13:44	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 13:44	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 13:44	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 13:44	1
Ethylbenzene	**0.36**	**J**	5.0	0.30	ug/L			04/09/13 13:44	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 13:44	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 13:44	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 13:44	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 13:44	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 13:44	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 13:44	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 13:44	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 13:44	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 13:44	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 13:44	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 13:44	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 13:44	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 13:44	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 13:44	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 13:44	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*82 - 121*		*04/09/13 13:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*82 - 132*		*04/09/13 13:44*	*1*
Toluene-d8 (Surr)	*95*		*85 - 115*		*04/09/13 13:44*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/09/13 13:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:17	04/09/13 18:27	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:27	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:17	04/09/13 18:27	5
Barium	**400**		250	20	ug/L		04/08/13 15:17	04/09/13 18:27	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:27	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:27	5
Calcium	**250000**		5000	530	ug/L		04/08/13 15:17	04/09/13 18:27	5
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:27	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:27	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:27	5
Iron	**14000**		500	140	ug/L		04/08/13 15:17	04/09/13 18:27	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 18:27	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-104
Date Collected: 04/04/13 15:52
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-20
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	57000		5000	660	ug/L		04/08/13 15:17	04/09/13 18:27	5
Manganese	1100		75	17	ug/L		04/08/13 15:17	04/09/13 18:27	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:27	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:17	04/09/13 18:27	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:17	04/09/13 18:27	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:27	5
Sodium	20000		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:27	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:27	5
Vanadium	27	J	250	20	ug/L		04/08/13 15:17	04/09/13 18:27	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 18:27	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 16:00	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 16:00	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:13	04/10/13 16:00	5
Barium	390		250	20	ug/L		04/08/13 15:13	04/10/13 16:00	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 16:00	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 16:00	5
Calcium	260000	E	5000	530	ug/L		04/08/13 15:13	04/10/13 16:00	5
Calcium	270000		10000	1100	ug/L		04/08/13 15:13	04/11/13 11:20	10
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 16:00	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 16:00	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 16:00	5
Iron	14000		500	140	ug/L		04/08/13 15:13	04/10/13 16:00	5
Lead	ND		50	7.5	ug/L		04/08/13 15:13	04/10/13 16:00	5
Magnesium	60000		5000	660	ug/L		04/08/13 15:13	04/10/13 16:00	5
Manganese	1200		75	17	ug/L		04/08/13 15:13	04/10/13 16:00	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 16:00	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:13	04/10/13 16:00	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 16:00	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 16:00	5
Sodium	21000		5000	1600	ug/L		04/08/13 15:13	04/10/13 16:00	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 16:00	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 16:00	5
Zinc	29	J B	100	26	ug/L		04/08/13 15:13	04/10/13 16:00	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 17:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.066	J ^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0063	J	0.020	0.0040	mg/L			04/06/13 03:55	1
Bromide	0.56		0.25	0.025	mg/L			04/06/13 03:55	1
Iodide	0.52	J	1.0	0.10	mg/L			04/09/13 02:43	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: LR-104
Date Collected: 04/04/13 15:52
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-20
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	580		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38	B	4.0	0.40	mg/L			04/06/13 04:13	20
Sulfate	53		10	1.0	mg/L			04/06/13 04:13	20

Client Sample ID: DUP01
Date Collected: 04/04/13 00:00
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/09/13 14:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 14:10	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 14:10	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 14:10	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 14:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 14:10	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 14:10	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 14:10	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 14:10	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 14:10	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 14:10	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 14:10	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 14:10	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 14:10	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 14:10	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 14:10	1
Acetone	ND		20	6.7	ug/L			04/09/13 14:10	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 14:10	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 14:10	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 14:10	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 14:10	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 14:10	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 14:10	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 14:10	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 14:10	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 14:10	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 14:10	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 14:10	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 14:10	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 14:10	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 14:10	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 14:10	1
Ethylbenzene	0.33	J	5.0	0.30	ug/L			04/09/13 14:10	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 14:10	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 14:10	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 14:10	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 14:10	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: DUP01
Date Collected: 04/04/13 00:00
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 14:10	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 14:10	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 14:10	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 14:10	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 14:10	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 14:10	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 14:10	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 14:10	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 14:10	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 14:10	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 14:10	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*82 - 121*		*04/09/13 14:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/09/13 14:10*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/09/13 14:10*	*1*
Dibromofluoromethane (Surr)	*106*		*85 - 119*		*04/09/13 14:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:17	04/09/13 18:31	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:31	5
Arsenic	**13**	**J**	50	9.9	ug/L		04/08/13 15:17	04/09/13 18:31	5
Barium	**370**		250	20	ug/L		04/08/13 15:17	04/09/13 18:31	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:31	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:31	5
Calcium	**120000**		5000	530	ug/L		04/08/13 15:17	04/09/13 18:31	5
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:31	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:31	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:31	5
Iron	**7900**		500	140	ug/L		04/08/13 15:17	04/09/13 18:31	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 18:31	5
Magnesium	**27000**		5000	660	ug/L		04/08/13 15:17	04/09/13 18:31	5
Manganese	**520**		75	17	ug/L		04/08/13 15:17	04/09/13 18:31	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:31	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:17	04/09/13 18:31	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:17	04/09/13 18:31	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:31	5
Sodium	**21000**		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:31	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:31	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:31	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 18:31	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 16:04	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 16:04	5
Arsenic	**16**	**J B**	50	9.9	ug/L		04/08/13 15:13	04/10/13 16:04	5
Barium	**350**		250	20	ug/L		04/08/13 15:13	04/10/13 16:04	5

Client Sample ID: DUP01

Lab Sample ID: 160-2009-21

Date Collected: 04/04/13 00:00

Matrix: Water

Date Received: 04/05/13 09:16

Method: 6010C - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 16:04	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 16:04	5
Calcium	**120000**		5000	530	ug/L		04/08/13 15:13	04/10/13 16:04	5
Chromium	**16**	**J**	50	16	ug/L		04/08/13 15:13	04/10/13 16:04	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 16:04	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 16:04	5
Iron	**6500**		500	140	ug/L		04/08/13 15:13	04/10/13 16:04	5
Lead	ND		50	7.5	ug/L		04/08/13 15:13	04/10/13 16:04	5
Magnesium	**28000**		5000	660	ug/L		04/08/13 15:13	04/10/13 16:04	5
Manganese	**520**		75	17	ug/L		04/08/13 15:13	04/10/13 16:04	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 16:04	5
Potassium	ND		25000	8300	ug/L		04/08/13 15:13	04/10/13 16:04	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 16:04	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 16:04	5
Sodium	**22000**		5000	1600	ug/L		04/08/13 15:13	04/10/13 16:04	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 16:04	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 16:04	5
Zinc	**27**	**J B**	100	26	ug/L		04/08/13 15:13	04/10/13 16:04	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:40	04/15/13 17:28	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^ *	0.20	0.060	ug/L		04/15/13 12:43	04/15/13 18:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.015**	**J**	0.020	0.0040	mg/L			04/06/13 04:31	1
Bromide	ND		0.25	0.025	mg/L			04/06/13 04:31	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 03:26	1
Alkalinity	**300**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46**	**B**	4.0	0.40	mg/L			04/06/13 04:49	20
Sulfate	**29**		10	1.0	mg/L			04/06/13 04:49	20

Client Sample ID: DUP02

Lab Sample ID: 160-2009-22

Date Collected: 04/04/13 00:00

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/09/13 14:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 14:35	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 14:35	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 14:35	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 14:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 14:35	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: DUP02
Date Collected: 04/04/13 00:00
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 14:35	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 14:35	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 14:35	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 14:35	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 14:35	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 14:35	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 14:35	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 14:35	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 14:35	1
Acetone	ND		20	6.7	ug/L			04/09/13 14:35	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 14:35	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 14:35	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 14:35	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 14:35	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 14:35	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 14:35	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 14:35	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 14:35	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 14:35	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 14:35	1
cis-1,2-Dichloroethene	**0.55**	**J**	5.0	0.16	ug/L			04/09/13 14:35	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 14:35	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 14:35	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 14:35	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 14:35	1
Ethylbenzene	**0.37**	**J**	5.0	0.30	ug/L			04/09/13 14:35	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 14:35	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 14:35	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 14:35	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 14:35	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 14:35	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 14:35	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 14:35	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 14:35	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 14:35	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 14:35	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 14:35	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 14:35	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 14:35	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 14:35	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 14:35	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*82 - 121*		*04/09/13 14:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*82 - 132*		*04/09/13 14:35*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/09/13 14:35*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/09/13 14:35*	*1*

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: DUP02
Date Collected: 04/04/13 00:00
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-22
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**490**	**J**	1000	400	ug/L		04/08/13 15:17	04/09/13 18:35	5
Antimony	ND		50	20	ug/L		04/08/13 15:17	04/09/13 18:35	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:17	04/09/13 18:35	5
Barium	**470**		250	20	ug/L		04/08/13 15:17	04/09/13 18:35	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:17	04/09/13 18:35	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 18:35	5
Calcium	**590000**	**E**	5000	530	ug/L		04/08/13 15:17	04/09/13 18:35	5
Calcium	**660000**		20000	2100	ug/L		04/08/13 15:17	04/10/13 11:06	20
Chromium	ND		50	16	ug/L		04/08/13 15:17	04/09/13 18:35	5
Cobalt	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:35	5
Copper	ND		130	23	ug/L		04/08/13 15:17	04/09/13 18:35	5
Iron	**15000**		500	140	ug/L		04/08/13 15:17	04/09/13 18:35	5
Lead	ND		50	7.5	ug/L		04/08/13 15:17	04/09/13 18:35	5
Magnesium	**65000**		5000	660	ug/L		04/08/13 15:17	04/09/13 18:35	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:17	04/09/13 18:35	5
Nickel	ND		200	67	ug/L		04/08/13 15:17	04/09/13 18:35	5
Potassium	**14000**	**J**	25000	8300	ug/L		04/08/13 15:17	04/09/13 18:35	5
Selenium	ND	^	75	13	ug/L		04/08/13 15:17	04/09/13 18:35	5
Silver	ND		50	30	ug/L		04/08/13 15:17	04/09/13 18:35	5
Sodium	**180000**		5000	1600	ug/L		04/08/13 15:17	04/09/13 18:35	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:17	04/09/13 18:35	5
Vanadium	ND		250	20	ug/L		04/08/13 15:17	04/09/13 18:35	5
Zinc	ND		100	26	ug/L		04/08/13 15:17	04/09/13 18:35	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/08/13 15:13	04/10/13 16:15	5
Antimony	ND		50	20	ug/L		04/08/13 15:13	04/10/13 16:15	5
Arsenic	ND		50	9.9	ug/L		04/08/13 15:13	04/10/13 16:15	5
Barium	**450**		250	20	ug/L		04/08/13 15:13	04/10/13 16:15	5
Beryllium	ND		25	3.1	ug/L		04/08/13 15:13	04/10/13 16:15	5
Cadmium	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 16:15	5
Calcium	**590000**	**E**	5000	530	ug/L		04/08/13 15:13	04/10/13 16:15	5
Calcium	**630000**		20000	2100	ug/L		04/08/13 15:13	04/11/13 11:23	20
Chromium	ND		50	16	ug/L		04/08/13 15:13	04/10/13 16:15	5
Cobalt	ND		250	20	ug/L		04/08/13 15:13	04/10/13 16:15	5
Copper	ND		130	23	ug/L		04/08/13 15:13	04/10/13 16:15	5
Iron	**11000**		500	140	ug/L		04/08/13 15:13	04/10/13 16:15	5
Lead	ND		50	7.5	ug/L		04/08/13 15:13	04/10/13 16:15	5
Magnesium	**66000**		5000	660	ug/L		04/08/13 15:13	04/10/13 16:15	5
Manganese	**1200**		75	17	ug/L		04/08/13 15:13	04/10/13 16:15	5
Nickel	ND		200	67	ug/L		04/08/13 15:13	04/10/13 16:15	5
Potassium	**14000**	**J**	25000	8300	ug/L		04/08/13 15:13	04/10/13 16:15	5
Selenium	ND		75	13	ug/L		04/08/13 15:13	04/10/13 16:15	5
Silver	ND		50	30	ug/L		04/08/13 15:13	04/10/13 16:15	5
Sodium	**180000**		5000	1600	ug/L		04/08/13 15:13	04/10/13 16:15	5
Thallium	ND	^	100	20	ug/L		04/08/13 15:13	04/10/13 16:15	5
Vanadium	ND		250	20	ug/L		04/08/13 15:13	04/10/13 16:15	5
Zinc	**28**	**J B**	100	26	ug/L		04/08/13 15:13	04/10/13 16:15	5

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: DUP02

Lab Sample ID: 160-2009-22

Date Collected: 04/04/13 00:00

Matrix: Water

Date Received: 04/05/13 09:16

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.079**	**J B ^**	0.20	0.060	ug/L		04/15/13 12:40	04/15/13 17:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^ *	0.20	0.060	ug/L		04/15/13 12:43	04/15/13 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.020	0.0040	mg/L			04/08/13 21:33	1
Bromide	**3.9**		0.25	0.025	mg/L			04/08/13 21:33	1
Iodide	**0.20**	**J**	1.0	0.10	mg/L			04/09/13 04:09	1
Alkalinity	**890**		5.0	0.54	mg/L			04/10/13 12:11	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		20	2.0	mg/L			04/08/13 21:51	100
Sulfate	**690**		50	5.0	mg/L			04/08/13 21:51	100

Client Sample ID: TRIP BLANK

Lab Sample ID: 160-2009-23

Date Collected: 04/04/13 00:00

Matrix: Water

Date Received: 04/05/13 09:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/09/13 12:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 12:04	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 12:04	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 12:04	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 12:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 12:04	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 12:04	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 12:04	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 12:04	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 12:04	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 12:04	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 12:04	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 12:04	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 12:04	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 12:04	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 12:04	1
Acetone	ND		20	6.7	ug/L			04/09/13 12:04	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 12:04	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 12:04	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 12:04	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 12:04	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 12:04	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 12:04	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 12:04	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 12:04	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 12:04	1

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Client Sample ID: TRIP BLANK
Date Collected: 04/04/13 00:00
Date Received: 04/05/13 09:16

Lab Sample ID: 160-2009-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	0.55	ug/L			04/09/13 12:04	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 12:04	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 12:04	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 12:04	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 12:04	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 12:04	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/09/13 12:04	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 12:04	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 12:04	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 12:04	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 12:04	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 12:04	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 12:04	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 12:04	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 12:04	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 12:04	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 12:04	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 12:04	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 12:04	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 12:04	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 12:04	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 12:04	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/09/13 12:04*	*1*
4-Bromofluorobenzene (Surr)	*91*		*82 - 121*		*04/09/13 12:04*	*1*
Dibromofluoromethane (Surr)	*104*		*85 - 119*		*04/09/13 12:04*	*1*
Toluene-d8 (Surr)	*98*		*85 - 115*		*04/09/13 12:04*	*1*

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

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

Lab Sample ID: MB 160-45286/2
Matrix: Water
Analysis Batch: 45286

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/08/13 09:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/08/13 09:10	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/08/13 09:10	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/08/13 09:10	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/08/13 09:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/08/13 09:10	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/08/13 09:10	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/08/13 09:10	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/08/13 09:10	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/08/13 09:10	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/08/13 09:10	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/08/13 09:10	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/08/13 09:10	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/08/13 09:10	1
2-Hexanone	ND		20	0.59	ug/L			04/08/13 09:10	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/08/13 09:10	1
Acetone	ND		20	6.7	ug/L			04/08/13 09:10	1
Benzene	ND		5.0	0.25	ug/L			04/08/13 09:10	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/08/13 09:10	1
Bromoform	ND		5.0	0.37	ug/L			04/08/13 09:10	1
Bromomethane	ND		10	0.40	ug/L			04/08/13 09:10	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/08/13 09:10	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/08/13 09:10	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/08/13 09:10	1
Chloroethane	ND		10	0.38	ug/L			04/08/13 09:10	1
Chloroform	ND		5.0	0.15	ug/L			04/08/13 09:10	1
Chloromethane	ND		10	0.55	ug/L			04/08/13 09:10	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/08/13 09:10	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/08/13 09:10	1
Cyclohexane	ND		10	0.36	ug/L			04/08/13 09:10	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/08/13 09:10	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/08/13 09:10	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/08/13 09:10	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/08/13 09:10	1
Methyl acetate	ND		5.0	2.3	ug/L			04/08/13 09:10	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/08/13 09:10	1
Methylcyclohexane	ND		10	0.26	ug/L			04/08/13 09:10	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/08/13 09:10	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/08/13 09:10	1
o-Xylene	ND		5.0	0.32	ug/L			04/08/13 09:10	1
Styrene	ND		5.0	0.35	ug/L			04/08/13 09:10	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/08/13 09:10	1
Toluene	ND		5.0	1.0	ug/L			04/08/13 09:10	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/08/13 09:10	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/08/13 09:10	1
Trichloroethene	ND		5.0	0.29	ug/L			04/08/13 09:10	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/08/13 09:10	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/08/13 09:10	1

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

Lab Sample ID: MB 160-45286/2
Matrix: Water
Analysis Batch: 45286

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10	0.85	ug/L			04/08/13 09:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*82 - 132*		*04/08/13 09:10*	*1*
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/08/13 09:10*	*1*
Dibromofluoromethane (Surr)	*110*		*85 - 119*		*04/08/13 09:10*	*1*
Toluene-d8 (Surr)	*99*		*85 - 115*		*04/08/13 09:10*	*1*

Lab Sample ID: LCS 160-45286/4
Matrix: Water
Analysis Batch: 45286

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/L		103	85 - 115
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	85 - 115
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	84 - 115
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	85 - 115
1,1-Dichloroethane	50.0	50.5		ug/L		101	85 - 115
1,1-Dichloroethene	50.0	48.9		ug/L		98	85 - 118
1,1-Dichloropropene	50.0	48.3		ug/L		97	85 - 115
1,2,3-Trichlorobenzene	50.0	47.8		ug/L		96	72 - 120
1,2,3-Trichloropropane	50.0	45.4		ug/L		91	80 - 115
1,2,4-Trichlorobenzene	50.0	48.7		ug/L		97	75 - 124
1,2,4-Trimethylbenzene	50.0	49.4		ug/L		99	85 - 115
1,2-Dibromo-3-chloropropane	50.0	47.8		ug/L		96	71 - 123
1,2-Dibromoethane	50.0	51.0		ug/L		102	85 - 115
1,2-Dichloro-1,1,2,2-tetrafluoroethane	50.0	59.9		ug/L		120	47 - 130
1,2-Dichlorobenzene	50.0	47.6		ug/L		95	85 - 115
1,2-Dichloroethane	50.0	49.5		ug/L		99	79 - 122
1,2-Dichloroethene, Total	100	98.0		ug/L		98	85 - 115
1,2-Dichloropropane	50.0	46.9		ug/L		94	85 - 115
1,3,5-Trimethylbenzene	50.0	49.6		ug/L		99	85 - 117
1,3-Dichlorobenzene	50.0	48.2		ug/L		96	85 - 115
1,3-Dichloropropane	50.0	49.0		ug/L		98	84 - 115
1,4-Dichlorobenzene	50.0	47.3		ug/L		95	85 - 115
1,4-Dioxane	1000	1030		ug/L		103	26 - 141
1-Butanol	500	546		ug/L		109	49 - 132
2,2-Dichloropropane	50.0	54.9		ug/L		110	85 - 127
2-Butanone (MEK)	50.0	47.1		ug/L		94	71 - 123
2-Chloro-1,3-butadiene	50.0	49.9		ug/L		100	70 - 115
2-Chloroethyl vinyl ether	50.0	74.7	*	ug/L		149	64 - 125
2-Chlorotoluene	50.0	48.0		ug/L		96	83 - 119
2-Hexanone	50.0	57.5		ug/L		115	66 - 121
2-Nitropropane	100	104		ug/L		104	63 - 115
4-Chlorotoluene	50.0	46.5		ug/L		93	84 - 118
4-Isopropyltoluene	50.0	50.8		ug/L		102	85 - 119
4-Methyl-2-pentanone (MIBK)	50.0	56.6		ug/L		113	74 - 123

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

Lab Sample ID: LCS 160-45286/4
Matrix: Water
Analysis Batch: 45286

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	53.0		ug/L		106	51 - 140
Acetonitrile	250	288		ug/L		115	44 - 140
Acrolein	250	397	*	ug/L		159	79 - 115
Acrylonitrile	250	265		ug/L		106	78 - 126
Allyl chloride	50.0	51.6		ug/L		103	76 - 119
Benzene	50.0	49.0		ug/L		98	85 - 115
Bromobenzene	50.0	47.1		ug/L		94	85 - 115
Bromochloromethane	50.0	52.0		ug/L		104	84 - 117
Bromodichloromethane	50.0	48.2		ug/L		96	85 - 117
Bromoform	50.0	51.3		ug/L		103	85 - 115
Bromomethane	50.0	48.9		ug/L		98	70 - 135
Carbon disulfide	50.0	50.6		ug/L		101	85 - 123
Carbon tetrachloride	50.0	50.9		ug/L		102	85 - 118
Chlorobenzene	50.0	47.9		ug/L		96	85 - 115
Chloroethane	50.0	50.6		ug/L		101	75 - 125
Chloroform	50.0	50.4		ug/L		101	85 - 115
Chloromethane	50.0	52.0		ug/L		104	73 - 132
cis-1,2-Dichloroethene	50.0	49.6		ug/L		99	85 - 115
cis-1,3-Dichloropropene	50.0	48.9		ug/L		98	85 - 127
Cyclohexane	50.0	52.0		ug/L		104	73 - 115
Cyclohexanone	500	458		ug/L		92	29 - 122
Dibromochloromethane	50.0	50.5		ug/L		101	85 - 115
Dibromomethane	50.0	50.7		ug/L		101	85 - 115
Dichlorodifluoromethane	50.0	54.0		ug/L		108	62 - 115
Ethyl acetate	100	109		ug/L		109	67 - 119
Ethyl ether	100	107		ug/L		107	77 - 115
Ethyl methacrylate	50.0	54.2		ug/L		108	67 - 115
Ethylbenzene	50.0	49.1		ug/L		98	85 - 115
Hexachlorobutadiene	50.0	49.0		ug/L		98	74 - 127
Iodomethane	50.0	50.9		ug/L		102	83 - 124
Isobutanol	1000	1120		ug/L		112	51 - 136
Isopropylbenzene	50.0	50.0		ug/L		100	85 - 124
Methacrylonitrile	250	265		ug/L		106	70 - 115
Methyl acetate	50.0	63.4		ug/L		127	73 - 135
Methyl methacrylate	50.0	46.8		ug/L		94	61 - 115
Methyl tert-butyl ether	50.0	53.0		ug/L		106	73 - 115
Methylcyclohexane	50.0	49.8		ug/L		100	85 - 134
Methylene Chloride	50.0	50.4		ug/L		101	84 - 115
m-Xylene & p-Xylene	100	105		ug/L		105	85 - 115
Naphthalene	50.0	47.3		ug/L		95	70 - 123
n-Butylbenzene	50.0	49.8		ug/L		100	85 - 116
n-Hexane	50.0	51.6		ug/L		103	85 - 139
N-Propylbenzene	50.0	49.0		ug/L		98	85 - 117
o-Xylene	50.0	51.6		ug/L		103	85 - 115
Propionitrile	250	268		ug/L		107	66 - 115
sec-Butylbenzene	50.0	47.5		ug/L		95	85 - 118
Styrene	50.0	51.6		ug/L		103	85 - 115
tert-Butylbenzene	50.0	47.4		ug/L		95	85 - 124

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

Lab Sample ID: LCS 160-45286/4
Matrix: Water
Analysis Batch: 45286

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrachloroethene			50.0	48.5		ug/L		97	85 - 115		
Tetrahydrofuran			250	263		ug/L		105	63 - 117		
Toluene			50.0	50.7		ug/L		101	85 - 115		
trans-1,2-Dichloroethene			50.0	48.4		ug/L		97	85 - 115		
trans-1,3-Dichloropropene			50.0	49.0		ug/L		98	85 - 123		
trans-1,4-Dichloro-2-butene			50.0	49.6		ug/L		99	77 - 115		
Trichloroethene			50.0	46.6		ug/L		93	85 - 115		
Trichlorofluoromethane			50.0	52.2		ug/L		104	85 - 116		
Vinyl acetate			50.0	54.9		ug/L		110	39 - 124		
Vinyl chloride			50.0	47.2		ug/L		94	68 - 133		
Xylenes, Total			150	157		ug/L		104			

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*82 - 132*
4-Bromofluorobenzene (Surr)	*87*		*82 - 121*
Dibromofluoromethane (Surr)	*108*		*85 - 119*
Toluene-d8 (Surr)	*102*		*85 - 115*

Lab Sample ID: 160-2009-15 MS
Matrix: Water
Analysis Batch: 45286

Client Sample ID: PZ-111-SD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1,2-Tetrachloroethane	ND		50.0	51.5		ug/L		103	85 - 115		
1,1,1-Trichloroethane	ND		50.0	51.3		ug/L		103	85 - 118		
1,1,2,2-Tetrachloroethane	ND		50.0	46.2		ug/L		92	85 - 116		
1,1,2-Trichloroethane	ND		50.0	47.2		ug/L		94	85 - 115		
1,1-Dichloroethane	ND		50.0	50.1		ug/L		100	85 - 115		
1,1-Dichloroethene	ND		50.0	48.2		ug/L		96	85 - 118		
1,1-Dichloropropene	ND		50.0	47.3		ug/L		95	85 - 115		
1,2,3-Trichlorobenzene	ND		50.0	49.0		ug/L		98	70 - 120		
1,2,3-Trichloropropane	ND		50.0	47.7		ug/L		95	80 - 115		
1,2,4-Trichlorobenzene	ND		50.0	51.3		ug/L		103	75 - 124		
1,2,4-Trimethylbenzene	ND		50.0	51.0		ug/L		102	85 - 115		
1,2-Dibromo-3-chloropropane	ND		50.0	47.1		ug/L		94	71 - 123		
1,2-Dibromoethane	ND		50.0	49.1		ug/L		98	85 - 115		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	57.2		ug/L		114	47 - 130		
1,2-Dichlorobenzene	ND		50.0	50.1		ug/L		100	84 - 115		
1,2-Dichloroethane	ND		50.0	49.1		ug/L		98	80 - 125		
1,2-Dichloroethene, Total	ND		100	97.8		ug/L		98	85 - 115		
1,2-Dichloropropane	ND		50.0	46.2		ug/L		92	85 - 117		
1,3,5-Trimethylbenzene	ND		50.0	51.7		ug/L		103	85 - 116		
1,3-Dichlorobenzene	ND		50.0	49.3		ug/L		99	84 - 115		
1,3-Dichloropropane	ND		50.0	46.7		ug/L		93	85 - 115		
1,4-Dichlorobenzene	ND		50.0	48.2		ug/L		96	85 - 115		
1,4-Dioxane	ND		1000	978		ug/L		98	36 - 157		
1-Butanol	ND		500	408		ug/L		82	53 - 140		

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

Lab Sample ID: 160-2009-15 MS
Matrix: Water
Analysis Batch: 45286

Client Sample ID: PZ-111-SD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		50.0	53.1		ug/L		106	80 - 122
2-Butanone (MEK)	ND		50.0	50.0		ug/L		100	73 - 133
2-Chloro-1,3-butadiene	ND		50.0	49.7		ug/L		99	70 - 115
2-Chloroethyl vinyl ether	ND		50.0	ND	F	ug/L		0	15 - 147
2-Chlorotoluene	ND		50.0	48.8		ug/L		98	84 - 117
2-Hexanone	ND		50.0	45.0		ug/L		90	66 - 121
2-Nitropropane	ND		100	93.8		ug/L		94	64 - 118
4-Chlorotoluene	ND		50.0	48.2		ug/L		96	85 - 115
4-Isopropyltoluene	ND		50.0	53.0		ug/L		106	85 - 116
4-Methyl-2-pentanone (MIBK)	ND		50.0	50.4		ug/L		101	77 - 134
Acetone	ND		50.0	44.4		ug/L		89	38 - 150
Acetonitrile	ND		250	266		ug/L		106	44 - 141
Acrolein	ND		250	368	F	ug/L		147	60 - 122
Acrylonitrile	ND		250	256		ug/L		102	78 - 128
Allyl chloride	ND		50.0	50.6		ug/L		101	76 - 119
Benzene	ND		50.0	49.4		ug/L		99	85 - 115
Bromobenzene	ND		50.0	47.1		ug/L		94	85 - 115
Bromochloromethane	ND		50.0	51.6		ug/L		103	85 - 115
Bromodichloromethane	ND		50.0	47.7		ug/L		95	56 - 119
Bromoform	ND		50.0	48.8		ug/L		98	84 - 116
Bromomethane	ND		50.0	51.2		ug/L		102	70 - 135
Carbon disulfide	ND		50.0	49.9		ug/L		100	85 - 127
Carbon tetrachloride	ND		50.0	52.6		ug/L		105	85 - 121
Chlorobenzene	ND		50.0	49.3		ug/L		99	85 - 115
Chloroethane	ND		50.0	50.2		ug/L		100	73 - 123
Chloroform	ND		50.0	50.0		ug/L		100	85 - 115
Chloromethane	ND		50.0	50.4		ug/L		101	67 - 130
cis-1,2-Dichloroethene	ND		50.0	50.5		ug/L		101	80 - 116
cis-1,3-Dichloropropene	ND		50.0	45.3		ug/L		91	85 - 124
Cyclohexane	ND		50.0	50.7		ug/L		101	73 - 115
Cyclohexanone	ND		500	399		ug/L		80	26 - 121
Dibromochloromethane	ND		50.0	50.2		ug/L		100	85 - 115
Dibromomethane	ND		50.0	48.7		ug/L		97	85 - 115
Dichlorodifluoromethane	ND		50.0	50.9		ug/L		102	85 - 119
Ethyl acetate	ND		100	94.8		ug/L		95	71 - 116
Ethyl ether	ND		100	102		ug/L		102	79 - 115
Ethyl methacrylate	ND		50.0	46.4		ug/L		93	67 - 115
Ethylbenzene	ND		50.0	50.2		ug/L		100	85 - 115
Hexachlorobutadiene	ND		50.0	54.1		ug/L		108	64 - 134
Iodomethane	ND		50.0	50.6		ug/L		101	78 - 126
Isobutanol	ND		1000	1070		ug/L		107	51 - 137
Isopropylbenzene	ND		50.0	52.0		ug/L		104	85 - 124
Methacrylonitrile	ND		250	243		ug/L		97	70 - 118
Methyl acetate	ND		50.0	50.2		ug/L		100	49 - 150
Methyl methacrylate	ND		50.0	42.6		ug/L		85	61 - 115
Methyl tert-butyl ether	ND		50.0	50.9		ug/L		102	75 - 115
Methylcyclohexane	ND		50.0	49.9		ug/L		100	85 - 137
Methylene Chloride	ND		50.0	49.4		ug/L		99	85 - 115

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

Lab Sample ID: 160-2009-15 MS
Matrix: Water
Analysis Batch: 45286

Client Sample ID: PZ-111-SD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	ND		100	105		ug/L		105	85 - 115
Naphthalene	ND		50.0	45.1		ug/L		90	70 - 123
n-Butylbenzene	ND		50.0	53.1		ug/L		106	85 - 115
n-Hexane	ND		50.0	49.4		ug/L		99	85 - 137
N-Propylbenzene	ND		50.0	51.3		ug/L		103	85 - 115
o-Xylene	ND		50.0	52.3		ug/L		105	85 - 118
Propionitrile	ND		250	245		ug/L		98	69 - 120
sec-Butylbenzene	ND		50.0	49.9		ug/L		100	83 - 117
Styrene	ND		50.0	50.9		ug/L		102	85 - 115
tert-Butylbenzene	ND		50.0	49.7		ug/L		99	85 - 122
Tetrachloroethene	ND		50.0	49.8		ug/L		100	85 - 118
Tetrahydrofuran	ND		250	237		ug/L		95	63 - 115
Toluene	ND		50.0	50.3		ug/L		101	85 - 118
trans-1,2-Dichloroethene	ND		50.0	47.3		ug/L		95	84 - 115
trans-1,3-Dichloropropene	ND		50.0	47.3		ug/L		95	85 - 127
trans-1,4-Dichloro-2-butene	ND		50.0	48.3		ug/L		97	76 - 115
Trichloroethene	ND		50.0	47.6		ug/L		95	85 - 115
Trichlorofluoromethane	ND		50.0	51.9		ug/L		104	85 - 115
Vinyl acetate	ND		50.0	50.5		ug/L		101	24 - 136
Vinyl chloride	ND		50.0	44.8		ug/L		90	63 - 129
Xylenes, Total	ND		150	157		ug/L		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*82 - 132*
4-Bromofluorobenzene (Surr)	*87*		*82 - 121*
Dibromofluoromethane (Surr)	*107*		*85 - 119*
Toluene-d8 (Surr)	*102*		*85 - 115*

Lab Sample ID: 160-2009-15 MSD
Matrix: Water
Analysis Batch: 45286

Client Sample ID: PZ-111-SD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	50.9		ug/L		102	85 - 115	1	20
1,1,1-Trichloroethane	ND		50.0	51.3		ug/L		103	85 - 118	0	20
1,1,2,2-Tetrachloroethane	ND		50.0	44.9		ug/L		90	85 - 116	3	20
1,1,2-Trichloroethane	ND		50.0	48.3		ug/L		97	85 - 115	2	20
1,1-Dichloroethane	ND		50.0	51.0		ug/L		102	85 - 115	2	20
1,1-Dichloroethene	ND		50.0	49.5		ug/L		99	85 - 118	3	20
1,1-Dichloropropene	ND		50.0	49.4		ug/L		99	85 - 115	4	20
1,2,3-Trichlorobenzene	ND		50.0	49.3		ug/L		99	70 - 120	1	20
1,2,3-Trichloropropane	ND		50.0	47.0		ug/L		94	80 - 115	2	20
1,2,4-Trichlorobenzene	ND		50.0	50.7		ug/L		101	75 - 124	1	20
1,2,4-Trimethylbenzene	ND		50.0	52.1		ug/L		104	85 - 115	2	20
1,2-Dibromo-3-chloropropane	ND		50.0	45.4		ug/L		91	71 - 123	4	20
1,2-Dibromoethane	ND		50.0	47.6		ug/L		95	85 - 115	3	20
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	59.5		ug/L		119	47 - 130	4	20

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

Lab Sample ID: 160-2009-15 MSD
Matrix: Water
Analysis Batch: 45286

Client Sample ID: PZ-111-SD
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-Dichlorobenzene	ND		50.0	48.5		ug/L		97	84 - 115	3	20
1,2-Dichloroethane	ND		50.0	49.6		ug/L		99	80 - 125	1	20
1,2-Dichloroethene, Total	ND		100	99.1		ug/L		99	85 - 115	1	20
1,2-Dichloropropane	ND		50.0	46.1		ug/L		92	85 - 117	0	20
1,3,5-Trimethylbenzene	ND		50.0	52.1		ug/L		104	85 - 116	1	20
1,3-Dichlorobenzene	ND		50.0	48.7		ug/L		97	84 - 115	1	20
1,3-Dichloropropane	ND		50.0	47.5		ug/L		95	85 - 115	2	20
1,4-Dichlorobenzene	ND		50.0	47.9		ug/L		96	85 - 115	1	20
1,4-Dioxane	ND		1000	878		ug/L		88	36 - 157	11	20
1-Butanol	ND		500	450		ug/L		90	53 - 140	10	20
2,2-Dichloropropane	ND		50.0	53.5		ug/L		107	80 - 122	1	20
2-Butanone (MEK)	ND		50.0	45.7		ug/L		91	73 - 133	9	20
2-Chloro-1,3-butadiene	ND		50.0	50.5		ug/L		101	70 - 115	1	20
2-Chloroethyl vinyl ether	ND		50.0	ND	F	ug/L		0	15 - 147	NC	20
2-Chlorotoluene	ND		50.0	49.1		ug/L		98	84 - 117	0	20
2-Hexanone	ND		50.0	51.0		ug/L		102	66 - 121	13	20
2-Nitropropane	ND		100	95.7		ug/L		96	64 - 118	2	20
4-Chlorotoluene	ND		50.0	48.6		ug/L		97	85 - 115	1	20
4-Isopropyltoluene	ND		50.0	51.8		ug/L		104	85 - 116	2	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	52.6		ug/L		105	77 - 134	4	20
Acetone	ND		50.0	34.7	F	ug/L		69	38 - 150	24	20
Acetonitrile	ND		250	239		ug/L		96	44 - 141	10	20
Acrolein	ND		250	368	F	ug/L		147	60 - 122	0	20
Acrylonitrile	ND		250	258		ug/L		103	78 - 128	1	20
Allyl chloride	ND		50.0	53.1		ug/L		106	76 - 119	5	20
Benzene	ND		50.0	49.7		ug/L		99	85 - 115	0	20
Bromobenzene	ND		50.0	46.5		ug/L		93	85 - 115	1	20
Bromochloromethane	ND		50.0	52.1		ug/L		104	85 - 115	1	20
Bromodichloromethane	ND		50.0	47.5		ug/L		95	56 - 119	0	20
Bromoform	ND		50.0	48.1		ug/L		96	84 - 116	1	20
Bromomethane	ND		50.0	50.1		ug/L		100	70 - 135	2	20
Carbon disulfide	ND		50.0	51.2		ug/L		102	85 - 127	3	20
Carbon tetrachloride	ND		50.0	52.7		ug/L		105	85 - 121	0	20
Chlorobenzene	ND		50.0	50.0		ug/L		100	85 - 115	1	20
Chloroethane	ND		50.0	51.3		ug/L		103	73 - 123	2	20
Chloroform	ND		50.0	51.3		ug/L		103	85 - 115	3	20
Chloromethane	ND		50.0	53.1		ug/L		106	67 - 130	5	20
cis-1,2-Dichloroethene	ND		50.0	49.7		ug/L		99	80 - 116	2	20
cis-1,3-Dichloropropene	ND		50.0	44.6		ug/L		89	85 - 124	1	20
Cyclohexane	ND		50.0	51.7		ug/L		103	73 - 115	2	20
Cyclohexanone	ND		500	447		ug/L		89	26 - 121	11	20
Dibromochloromethane	ND		50.0	49.9		ug/L		100	85 - 115	1	20
Dibromomethane	ND		50.0	47.8		ug/L		96	85 - 115	2	20
Dichlorodifluoromethane	ND		50.0	53.4		ug/L		107	85 - 119	5	20
Ethyl acetate	ND		100	105		ug/L		105	71 - 116	11	20
Ethyl ether	ND		100	99.3		ug/L		99	79 - 115	3	20
Ethyl methacrylate	ND		50.0	49.3		ug/L		99	67 - 115	6	20
Ethylbenzene	ND		50.0	51.7		ug/L		103	85 - 115	3	20

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

Lab Sample ID: 160-2009-15 MSD
Matrix: Water
Analysis Batch: 45286

Client Sample ID: PZ-111-SD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		50.0	53.2		ug/L		106	64 - 134	2	20
Iodomethane	ND		50.0	51.2		ug/L		102	78 - 126	1	20
Isobutanol	ND		1000	983		ug/L		98	51 - 137	9	20
Isopropylbenzene	ND		50.0	51.9		ug/L		104	85 - 124	0	20
Methacrylonitrile	ND		250	245		ug/L		98	70 - 118	1	20
Methyl acetate	ND		50.0	54.2		ug/L		108	49 - 150	8	20
Methyl methacrylate	ND		50.0	45.1		ug/L		90	61 - 115	6	20
Methyl tert-butyl ether	ND		50.0	50.8		ug/L		102	75 - 115	0	20
Methylcyclohexane	ND		50.0	51.6		ug/L		103	85 - 137	3	20
Methylene Chloride	ND		50.0	50.1		ug/L		100	85 - 115	1	20
m-Xylene & p-Xylene	ND		100	107		ug/L		107	85 - 115	2	20
Naphthalene	ND		50.0	47.3		ug/L		95	70 - 123	5	20
n-Butylbenzene	ND		50.0	51.8		ug/L		104	85 - 115	3	20
n-Hexane	ND		50.0	53.0		ug/L		106	85 - 137	7	20
N-Propylbenzene	ND		50.0	51.2		ug/L		102	85 - 115	0	20
o-Xylene	ND		50.0	53.0		ug/L		106	85 - 118	1	20
Propionitrile	ND		250	259		ug/L		104	69 - 120	6	20
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	83 - 117	0	20
Styrene	ND		50.0	51.9		ug/L		104	85 - 115	2	20
tert-Butylbenzene	ND		50.0	50.0		ug/L		100	85 - 122	1	20
Tetrachloroethene	ND		50.0	50.9		ug/L		102	85 - 118	2	20
Tetrahydrofuran	ND		250	233		ug/L		93	63 - 115	2	20
Toluene	ND		50.0	52.3		ug/L		105	85 - 118	4	20
trans-1,2-Dichloroethene	ND		50.0	49.4		ug/L		99	84 - 115	4	20
trans-1,3-Dichloropropene	ND		50.0	48.0		ug/L		96	85 - 127	1	20
trans-1,4-Dichloro-2-butene	ND		50.0	42.5		ug/L		85	76 - 115	13	20
Trichloroethene	ND		50.0	46.4		ug/L		93	85 - 115	3	20
Trichlorofluoromethane	ND		50.0	52.2		ug/L		104	85 - 115	1	20
Vinyl acetate	ND		50.0	53.3		ug/L		107	24 - 136	5	20
Vinyl chloride	ND		50.0	48.4		ug/L		97	63 - 129	8	20
Xylenes, Total	ND		150	160		ug/L		107	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*82 - 132*
4-Bromofluorobenzene (Surr)	*85*		*82 - 121*
Dibromofluoromethane (Surr)	*107*		*85 - 119*
Toluene-d8 (Surr)	*102*		*85 - 115*

Lab Sample ID: MB 160-45293/2
Matrix: Water
Analysis Batch: 45293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/09/13 11:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 11:14	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 11:14	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 11:14	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 11:14	1

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

Lab Sample ID: MB 160-45293/2
Matrix: Water
Analysis Batch: 45293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 11:14	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 11:14	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 11:14	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 11:14	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 11:14	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 11:14	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 11:14	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 11:14	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 11:14	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 11:14	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 11:14	1
Acetone	ND		20	6.7	ug/L			04/09/13 11:14	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 11:14	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 11:14	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 11:14	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 11:14	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 11:14	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 11:14	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 11:14	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 11:14	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 11:14	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 11:14	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 11:14	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 11:14	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 11:14	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 11:14	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 11:14	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/09/13 11:14	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 11:14	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 11:14	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 11:14	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 11:14	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 11:14	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 11:14	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 11:14	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 11:14	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 11:14	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 11:14	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 11:14	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 11:14	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 11:14	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 11:14	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 11:14	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*82 - 132*		*04/09/13 11:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*82 - 121*		*04/09/13 11:14*	*1*

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

Lab Sample ID: MB 160-45293/2
Matrix: Water
Analysis Batch: 45293

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		85 - 119		04/09/13 11:14	1
Toluene-d8 (Surr)	97		85 - 115		04/09/13 11:14	1

Lab Sample ID: LCS 160-45293/4
Matrix: Water
Analysis Batch: 45293

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.9		ug/L		98	85 - 115
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	85 - 115
1,1,2,2-Tetrachloroethane	50.0	45.3		ug/L		91	84 - 115
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	85 - 115
1,1-Dichloroethane	50.0	50.2		ug/L		100	85 - 115
1,1-Dichloroethene	50.0	47.6		ug/L		95	85 - 118
1,1-Dichloropropene	50.0	47.6		ug/L		95	85 - 115
1,2,3-Trichlorobenzene	50.0	49.6		ug/L		99	72 - 120
1,2,3-Trichloropropane	50.0	45.0		ug/L		90	80 - 115
1,2,4-Trichlorobenzene	50.0	49.2		ug/L		98	75 - 124
1,2,4-Trimethylbenzene	50.0	52.0		ug/L		104	85 - 115
1,2-Dibromo-3-chloropropane	50.0	45.7		ug/L		91	71 - 123
1,2-Dibromoethane	50.0	50.4		ug/L		101	85 - 115
1,2-Dichloro-1,1,2,2-tetrafluoroethane	50.0	54.9		ug/L		110	47 - 130
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	85 - 115
1,2-Dichloroethane	50.0	50.5		ug/L		101	79 - 122
1,2-Dichloroethene, Total	100	96.5		ug/L		97	85 - 115
1,2-Dichloropropane	50.0	46.7		ug/L		93	85 - 115
1,3,5-Trimethylbenzene	50.0	52.6		ug/L		105	85 - 117
1,3-Dichlorobenzene	50.0	48.8		ug/L		98	85 - 115
1,3-Dichloropropane	50.0	47.9		ug/L		96	84 - 115
1,4-Dichlorobenzene	50.0	47.9		ug/L		96	85 - 115
1,4-Dioxane	1000	843		ug/L		84	26 - 141
1-Butanol	500	434		ug/L		87	49 - 132
2,2-Dichloropropane	50.0	53.6		ug/L		107	85 - 127
2-Butanone (MEK)	50.0	47.8		ug/L		96	71 - 123
2-Chloro-1,3-butadiene	50.0	50.0		ug/L		100	70 - 115
2-Chloroethyl vinyl ether	50.0	63.3	*	ug/L		127	64 - 125
2-Chlorotoluene	50.0	50.0		ug/L		100	83 - 119
2-Hexanone	50.0	50.1		ug/L		100	66 - 121
2-Nitropropane	100	95.6		ug/L		96	63 - 115
4-Chlorotoluene	50.0	49.6		ug/L		99	84 - 118
4-Isopropyltoluene	50.0	52.7		ug/L		105	85 - 119
4-Methyl-2-pentanone (MIBK)	50.0	51.9		ug/L		104	74 - 123
Acetone	50.0	49.3		ug/L		99	51 - 140
Acetonitrile	250	250		ug/L		100	44 - 140
Acrolein	250	234		ug/L		94	79 - 115
Acrylonitrile	250	259		ug/L		103	78 - 126
Allyl chloride	50.0	50.3		ug/L		101	76 - 119

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

Lab Sample ID: LCS 160-45293/4
Matrix: Water
Analysis Batch: 45293

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.1		ug/L		96	85 - 115
Bromobenzene	50.0	45.9		ug/L		92	85 - 115
Bromochloromethane	50.0	48.1		ug/L		96	84 - 117
Bromodichloromethane	50.0	48.0		ug/L		96	85 - 117
Bromoform	50.0	45.9		ug/L		92	85 - 115
Bromomethane	50.0	44.1		ug/L		88	70 - 135
Carbon disulfide	50.0	47.9		ug/L		96	85 - 123
Carbon tetrachloride	50.0	50.1		ug/L		100	85 - 118
Chlorobenzene	50.0	48.7		ug/L		97	85 - 115
Chloroethane	50.0	46.3		ug/L		93	75 - 125
Chloroform	50.0	49.5		ug/L		99	85 - 115
Chloromethane	50.0	48.7		ug/L		97	73 - 132
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	85 - 115
cis-1,3-Dichloropropene	50.0	48.2		ug/L		96	85 - 127
Cyclohexane	50.0	48.7		ug/L		97	73 - 115
Cyclohexanone	500	476		ug/L		95	29 - 122
Dibromochloromethane	50.0	48.4		ug/L		97	85 - 115
Dibromomethane	50.0	49.1		ug/L		98	85 - 115
Dichlorodifluoromethane	50.0	50.0		ug/L		100	62 - 115
Ethyl acetate	100	112		ug/L		112	67 - 119
Ethyl ether	100	98.8		ug/L		99	77 - 115
Ethyl methacrylate	50.0	51.1		ug/L		102	67 - 115
Ethylbenzene	50.0	50.5		ug/L		101	85 - 115
Hexachlorobutadiene	50.0	52.1		ug/L		104	74 - 127
Iodomethane	50.0	46.7		ug/L		93	83 - 124
Isobutanol	1000	941		ug/L		94	51 - 136
Isopropylbenzene	50.0	51.7		ug/L		103	85 - 124
Methacrylonitrile	250	255		ug/L		102	70 - 115
Methyl acetate	50.0	51.3		ug/L		103	73 - 135
Methyl methacrylate	50.0	46.2		ug/L		92	61 - 115
Methyl tert-butyl ether	50.0	46.7		ug/L		93	73 - 115
Methylcyclohexane	50.0	51.1		ug/L		102	85 - 134
Methylene Chloride	50.0	45.8		ug/L		92	84 - 115
m-Xylene & p-Xylene	100	104		ug/L		104	85 - 115
Naphthalene	50.0	47.3		ug/L		95	70 - 123
n-Butylbenzene	50.0	52.2		ug/L		104	85 - 116
n-Hexane	50.0	52.5		ug/L		105	85 - 139
N-Propylbenzene	50.0	51.1		ug/L		102	85 - 117
o-Xylene	50.0	50.5		ug/L		101	85 - 115
Propionitrile	250	262		ug/L		105	66 - 115
sec-Butylbenzene	50.0	50.2		ug/L		100	85 - 118
Styrene	50.0	50.4		ug/L		101	85 - 115
tert-Butylbenzene	50.0	51.4		ug/L		103	85 - 124
Tetrachloroethene	50.0	48.3		ug/L		97	85 - 115
Tetrahydrofuran	250	250		ug/L		100	63 - 117
Toluene	50.0	49.9		ug/L		100	85 - 115
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	85 - 115
trans-1,3-Dichloropropene	50.0	49.2		ug/L		98	85 - 123

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

Lab Sample ID: LCS 160-45293/4
Matrix: Water
Analysis Batch: 45293

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,4-Dichloro-2-butene	50.0	50.7		ug/L		101	77 - 115
Trichloroethene	50.0	48.1		ug/L		96	85 - 115
Trichlorofluoromethane	50.0	49.0		ug/L		98	85 - 116
Vinyl acetate	50.0	57.7		ug/L		115	39 - 124
Vinyl chloride	50.0	48.5		ug/L		97	68 - 133
Xylenes, Total	150	155		ug/L		103	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*
4-Bromofluorobenzene (Surr)	*90*		*82 - 121*
Dibromofluoromethane (Surr)	*103*		*85 - 119*
Toluene-d8 (Surr)	*104*		*85 - 115*

Lab Sample ID: MB 160-46058/3-A
Matrix: Water
Analysis Batch: 46058

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/10/13 02:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/10/13 02:39	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/10/13 02:39	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/10/13 02:39	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/10/13 02:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/10/13 02:39	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/10/13 02:39	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/10/13 02:39	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/10/13 02:39	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/10/13 02:39	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/10/13 02:39	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/10/13 02:39	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/10/13 02:39	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/10/13 02:39	1
2-Hexanone	ND		20	0.59	ug/L			04/10/13 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/10/13 02:39	1
Acetone	ND		20	6.7	ug/L			04/10/13 02:39	1
Benzene	ND		5.0	0.25	ug/L			04/10/13 02:39	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/10/13 02:39	1
Bromoform	ND		5.0	0.37	ug/L			04/10/13 02:39	1
Bromomethane	ND		10	0.40	ug/L			04/10/13 02:39	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/10/13 02:39	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/10/13 02:39	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/10/13 02:39	1
Chloroethane	ND		10	0.38	ug/L			04/10/13 02:39	1
Chloroform	ND		5.0	0.15	ug/L			04/10/13 02:39	1
Chloromethane	ND		10	0.55	ug/L			04/10/13 02:39	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/10/13 02:39	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/10/13 02:39	1
Cyclohexane	ND		10	0.36	ug/L			04/10/13 02:39	1

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

Lab Sample ID: MB 160-46058/3-A
Matrix: Water
Analysis Batch: 46058

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		5.0	0.33	ug/L			04/10/13 02:39	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/10/13 02:39	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/10/13 02:39	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/10/13 02:39	1
Methyl acetate	ND		5.0	2.3	ug/L			04/10/13 02:39	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/10/13 02:39	1
Methylcyclohexane	ND		10	0.26	ug/L			04/10/13 02:39	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/10/13 02:39	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/10/13 02:39	1
o-Xylene	ND		5.0	0.32	ug/L			04/10/13 02:39	1
Styrene	ND		5.0	0.35	ug/L			04/10/13 02:39	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/10/13 02:39	1
Toluene	ND		5.0	1.0	ug/L			04/10/13 02:39	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/10/13 02:39	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/10/13 02:39	1
Trichloroethene	ND		5.0	0.29	ug/L			04/10/13 02:39	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/10/13 02:39	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/10/13 02:39	1
Xylenes, Total	ND		10	0.85	ug/L			04/10/13 02:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/10/13 02:39*	*1*
4-Bromofluorobenzene (Surr)	*98*		*82 - 121*		*04/10/13 02:39*	*1*
Dibromofluoromethane (Surr)	*101*		*85 - 119*		*04/10/13 02:39*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/10/13 02:39*	*1*

Lab Sample ID: LCS 160-46058/4-A
Matrix: Water
Analysis Batch: 46058

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	53.0		ug/L		106	85 - 115
1,1,1-Trichloroethane	50.0	52.0		ug/L		104	85 - 115
1,1,2,2-Tetrachloroethane	50.0	49.1		ug/L		98	84 - 115
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	85 - 115
1,1-Dichloroethane	50.0	50.3		ug/L		101	85 - 115
1,1-Dichloroethene	50.0	49.0		ug/L		98	85 - 118
1,1-Dichloropropene	50.0	48.1		ug/L		96	85 - 115
1,2,3-Trichlorobenzene	50.0	48.8		ug/L		98	72 - 120
1,2,3-Trichloropropane	50.0	50.3		ug/L		101	80 - 115
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	75 - 124
1,2,4-Trimethylbenzene	50.0	52.2		ug/L		104	85 - 115
1,2-Dibromo-3-chloropropane	50.0	46.4		ug/L		93	71 - 123
1,2-Dibromoethane	50.0	50.7		ug/L		101	85 - 115
1,2-Dichloro-1,1,2,2-tetrafluoroethane	50.0	56.4		ug/L		113	47 - 130
1,2-Dichlorobenzene	50.0	44.0		ug/L		88	85 - 115
1,2-Dichloroethane	50.0	49.6		ug/L		99	79 - 122

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

Lab Sample ID: LCS 160-46058/4-A
Matrix: Water
Analysis Batch: 46058

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethene, Total	100	98.0		ug/L		98	85 - 115
1,2-Dichloropropane	50.0	47.8		ug/L		96	85 - 115
1,3,5-Trimethylbenzene	50.0	52.4		ug/L		105	85 - 117
1,3-Dichlorobenzene	50.0	43.8		ug/L		88	85 - 115
1,3-Dichloropropane	50.0	50.8		ug/L		102	84 - 115
1,4-Dichlorobenzene	50.0	48.4		ug/L		97	85 - 115
1,4-Dioxane	1000	931		ug/L		93	26 - 141
1-Butanol	500	460		ug/L		92	49 - 132
2,2-Dichloropropane	50.0	52.4		ug/L		105	85 - 127
2-Butanone (MEK)	50.0	45.9		ug/L		92	71 - 123
2-Chloro-1,3-butadiene	50.0	53.0		ug/L		106	70 - 115
2-Chloroethyl vinyl ether	50.0	50.5		ug/L		101	64 - 125
2-Chlorotoluene	50.0	46.4		ug/L		93	83 - 119
2-Hexanone	50.0	48.4		ug/L		97	66 - 121
2-Nitropropane	100	100		ug/L		100	63 - 115
4-Chlorotoluene	50.0	43.4		ug/L		87	84 - 118
4-Isopropyltoluene	50.0	52.8		ug/L		106	85 - 119
4-Methyl-2-pentanone (MIBK)	50.0	55.5		ug/L		111	74 - 123
Acetone	50.0	34.8		ug/L		70	51 - 140
Acetonitrile	250	306		ug/L		122	44 - 140
Acrolein	250	291	*	ug/L		116	79 - 115
Acrylonitrile	250	295		ug/L		118	78 - 126
Allyl chloride	50.0	53.1		ug/L		106	76 - 119
Benzene	50.0	49.8		ug/L		100	85 - 115
Bromobenzene	50.0	45.1		ug/L		90	85 - 115
Bromochloromethane	50.0	50.4		ug/L		101	84 - 117
Bromodichloromethane	50.0	49.2		ug/L		98	85 - 117
Bromoform	50.0	47.5		ug/L		95	85 - 115
Bromomethane	50.0	47.4		ug/L		95	70 - 135
Carbon disulfide	50.0	53.9		ug/L		108	85 - 123
Carbon tetrachloride	50.0	52.3		ug/L		105	85 - 118
Chlorobenzene	50.0	44.4		ug/L		89	85 - 115
Chloroethane	50.0	44.8		ug/L		90	75 - 125
Chloroform	50.0	50.2		ug/L		100	85 - 115
Chloromethane	50.0	50.2		ug/L		100	73 - 132
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	85 - 115
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	85 - 127
Cyclohexane	50.0	51.6		ug/L		103	73 - 115
Cyclohexanone	500	423		ug/L		85	29 - 122
Dibromochloromethane	50.0	52.2		ug/L		104	85 - 115
Dibromomethane	50.0	49.8		ug/L		100	85 - 115
Dichlorodifluoromethane	50.0	53.5		ug/L		107	62 - 115
Ethyl acetate	100	106		ug/L		106	67 - 119
Ethyl ether	100	107		ug/L		107	77 - 115
Ethyl methacrylate	50.0	53.8		ug/L		108	67 - 115
Ethylbenzene	50.0	52.6		ug/L		105	85 - 115
Hexachlorobutadiene	50.0	51.1		ug/L		102	74 - 127
Iodomethane	50.0	51.1		ug/L		102	83 - 124

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

Lab Sample ID: LCS 160-46058/4-A
Matrix: Water
Analysis Batch: 46058

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isobutanol	1000	1050		ug/L		105	51 - 136
Isopropylbenzene	50.0	47.3		ug/L		95	85 - 124
Methacrylonitrile	250	268		ug/L		107	70 - 115
Methyl acetate	50.0	50.9		ug/L		102	73 - 135
Methyl methacrylate	50.0	42.4		ug/L		85	61 - 115
Methyl tert-butyl ether	50.0	52.4		ug/L		105	73 - 115
Methylcyclohexane	50.0	53.3		ug/L		107	85 - 134
Methylene Chloride	50.0	50.1		ug/L		100	84 - 115
m-Xylene & p-Xylene	100	103		ug/L		103	85 - 115
Naphthalene	50.0	47.0		ug/L		94	70 - 123
n-Butylbenzene	50.0	52.8		ug/L		106	85 - 116
n-Hexane	50.0	52.9		ug/L		106	85 - 139
N-Propylbenzene	50.0	46.3		ug/L		93	85 - 117
o-Xylene	50.0	47.8		ug/L		96	85 - 115
Propionitrile	250	292	*	ug/L		117	66 - 115
sec-Butylbenzene	50.0	46.1		ug/L		92	85 - 118
Styrene	50.0	52.0		ug/L		104	85 - 115
tert-Butylbenzene	50.0	46.5		ug/L		93	85 - 124
Tetrachloroethene	50.0	50.7		ug/L		101	85 - 115
Tetrahydrofuran	250	259		ug/L		104	63 - 117
Toluene	50.0	52.3		ug/L		105	85 - 115
trans-1,2-Dichloroethene	50.0	48.5		ug/L		97	85 - 115
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	85 - 123
trans-1,4-Dichloro-2-butene	50.0	50.1		ug/L		100	77 - 115
Trichloroethene	50.0	46.8		ug/L		94	85 - 115
Trichlorofluoromethane	50.0	54.7		ug/L		109	85 - 116
Vinyl acetate	50.0	66.9	*	ug/L		134	39 - 124
Vinyl chloride	50.0	51.1		ug/L		102	68 - 133
Xylenes, Total	150	151		ug/L		101	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*82 - 132*
4-Bromofluorobenzene (Surr)	*87*		*82 - 121*
Dibromofluoromethane (Surr)	*105*		*85 - 119*
Toluene-d8 (Surr)	*105*		*85 - 115*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 160-44896/1-A
Matrix: Water
Analysis Batch: 45512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/08/13 15:11	04/10/13 14:04	1
Antimony	ND		10	4.0	ug/L		04/08/13 15:11	04/10/13 14:04	1
Arsenic	ND		10	2.0	ug/L		04/08/13 15:11	04/10/13 14:04	1
Barium	ND		50	4.0	ug/L		04/08/13 15:11	04/10/13 14:04	1
Beryllium	ND		5.0	0.61	ug/L		04/08/13 15:11	04/10/13 14:04	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 160-44896/1-A
Matrix: Water
Analysis Batch: 45512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.91	ug/L		04/08/13 15:11	04/10/13 14:04	1
Calcium	ND		1000	110	ug/L		04/08/13 15:11	04/10/13 14:04	1
Chromium	ND		10	3.1	ug/L		04/08/13 15:11	04/10/13 14:04	1
Cobalt	ND		50	4.0	ug/L		04/08/13 15:11	04/10/13 14:04	1
Copper	ND		25	4.6	ug/L		04/08/13 15:11	04/10/13 14:04	1
Iron	ND		100	28	ug/L		04/08/13 15:11	04/10/13 14:04	1
Lead	ND		10	1.5	ug/L		04/08/13 15:11	04/10/13 14:04	1
Magnesium	ND		1000	130	ug/L		04/08/13 15:11	04/10/13 14:04	1
Manganese	ND		15	3.3	ug/L		04/08/13 15:11	04/10/13 14:04	1
Nickel	ND		40	13	ug/L		04/08/13 15:11	04/10/13 14:04	1
Potassium	ND		5000	1700	ug/L		04/08/13 15:11	04/10/13 14:04	1
Selenium	ND		15	2.7	ug/L		04/08/13 15:11	04/10/13 14:04	1
Silver	ND		10	6.0	ug/L		04/08/13 15:11	04/10/13 14:04	1
Sodium	ND		1000	320	ug/L		04/08/13 15:11	04/10/13 14:04	1
Thallium	ND	^	20	4.0	ug/L		04/08/13 15:11	04/10/13 14:04	1
Vanadium	ND		50	4.1	ug/L		04/08/13 15:11	04/10/13 14:04	1
Zinc	ND		20	5.2	ug/L		04/08/13 15:11	04/10/13 14:04	1

Lab Sample ID: LCS 160-44896/2-A
Matrix: Water
Analysis Batch: 45512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10400		ug/L		104	80 - 120
Antimony	500	529		ug/L		106	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Barium	1000	1040		ug/L		104	80 - 120
Beryllium	1000	1060		ug/L		106	80 - 120
Cadmium	1000	1060		ug/L		106	80 - 120
Calcium	10000	10600		ug/L		106	80 - 120
Chromium	1000	1070		ug/L		107	80 - 120
Cobalt	1000	1090		ug/L		109	80 - 120
Copper	1000	1080		ug/L		108	80 - 120
Iron	10000	10400		ug/L		104	80 - 120
Lead	1000	1090		ug/L		109	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120
Manganese	1000	1060		ug/L		106	80 - 120
Nickel	1000	1100		ug/L		110	80 - 120
Potassium	10000	9990		ug/L		100	80 - 120
Selenium	1000	1040		ug/L		104	80 - 120
Silver	100	93.8		ug/L		94	80 - 120
Sodium	10000	10100		ug/L		101	80 - 120
Thallium	200	227	^	ug/L		114	80 - 120
Vanadium	1000	1030		ug/L		103	80 - 120
Zinc	1000	1050		ug/L		105	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 160-44898/1-A
Matrix: Water
Analysis Batch: 45512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/08/13 15:13	04/10/13 15:17	1
Antimony	ND		10	4.0	ug/L		04/08/13 15:13	04/10/13 15:17	1
Arsenic	2.00	J	10	2.0	ug/L		04/08/13 15:13	04/10/13 15:17	1
Barium	ND		50	4.0	ug/L		04/08/13 15:13	04/10/13 15:17	1
Beryllium	ND		5.0	0.61	ug/L		04/08/13 15:13	04/10/13 15:17	1
Cadmium	ND		5.0	0.91	ug/L		04/08/13 15:13	04/10/13 15:17	1
Calcium	ND		1000	110	ug/L		04/08/13 15:13	04/10/13 15:17	1
Chromium	ND		10	3.1	ug/L		04/08/13 15:13	04/10/13 15:17	1
Cobalt	ND		50	4.0	ug/L		04/08/13 15:13	04/10/13 15:17	1
Copper	ND		25	4.6	ug/L		04/08/13 15:13	04/10/13 15:17	1
Iron	ND		100	28	ug/L		04/08/13 15:13	04/10/13 15:17	1
Lead	ND		10	1.5	ug/L		04/08/13 15:13	04/10/13 15:17	1
Magnesium	ND		1000	130	ug/L		04/08/13 15:13	04/10/13 15:17	1
Manganese	ND		15	3.3	ug/L		04/08/13 15:13	04/10/13 15:17	1
Nickel	ND		40	13	ug/L		04/08/13 15:13	04/10/13 15:17	1
Potassium	ND		5000	1700	ug/L		04/08/13 15:13	04/10/13 15:17	1
Selenium	ND		15	2.7	ug/L		04/08/13 15:13	04/10/13 15:17	1
Silver	ND		10	6.0	ug/L		04/08/13 15:13	04/10/13 15:17	1
Sodium	ND		1000	320	ug/L		04/08/13 15:13	04/10/13 15:17	1
Thallium	ND	^	20	4.0	ug/L		04/08/13 15:13	04/10/13 15:17	1
Vanadium	ND		50	4.1	ug/L		04/08/13 15:13	04/10/13 15:17	1
Zinc	5.90	J	20	5.2	ug/L		04/08/13 15:13	04/10/13 15:17	1

Lab Sample ID: LCS 160-44898/2-A
Matrix: Water
Analysis Batch: 45512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10400		ug/L		104	80 - 120
Antimony	500	515		ug/L		103	80 - 120
Arsenic	1000	1000		ug/L		100	80 - 120
Barium	1000	1010		ug/L		101	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	1060		ug/L		106	80 - 120
Calcium	10000	10600		ug/L		106	80 - 120
Chromium	1000	1050		ug/L		105	80 - 120
Cobalt	1000	1100		ug/L		110	80 - 120
Copper	1000	1050		ug/L		105	80 - 120
Iron	10000	10200		ug/L		102	80 - 120
Lead	1000	1070		ug/L		107	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120
Manganese	1000	1070		ug/L		107	80 - 120
Nickel	1000	1110		ug/L		111	80 - 120
Potassium	10000	9850		ug/L		98	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	100	93.4		ug/L		93	80 - 120
Sodium	10000	10000		ug/L		100	80 - 120
Thallium	200	227	^	ug/L		113	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 160-44898/2-A
Matrix: Water
Analysis Batch: 45512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	1000	1020		ug/L		102	80 - 120
Zinc	1000	1040		ug/L		104	80 - 120

Lab Sample ID: MB 160-44899/1-A
Matrix: Water
Analysis Batch: 45279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/08/13 15:15	04/09/13 16:24	1
Antimony	ND		10	4.0	ug/L		04/08/13 15:15	04/09/13 16:24	1
Arsenic	ND		10	2.0	ug/L		04/08/13 15:15	04/09/13 16:24	1
Barium	ND		50	4.0	ug/L		04/08/13 15:15	04/09/13 16:24	1
Beryllium	ND		5.0	0.61	ug/L		04/08/13 15:15	04/09/13 16:24	1
Cadmium	ND		5.0	0.91	ug/L		04/08/13 15:15	04/09/13 16:24	1
Calcium	ND		1000	110	ug/L		04/08/13 15:15	04/09/13 16:24	1
Chromium	ND		10	3.1	ug/L		04/08/13 15:15	04/09/13 16:24	1
Cobalt	ND		50	4.0	ug/L		04/08/13 15:15	04/09/13 16:24	1
Copper	ND		25	4.6	ug/L		04/08/13 15:15	04/09/13 16:24	1
Iron	ND		100	28	ug/L		04/08/13 15:15	04/09/13 16:24	1
Lead	ND		10	1.5	ug/L		04/08/13 15:15	04/09/13 16:24	1
Magnesium	ND		1000	130	ug/L		04/08/13 15:15	04/09/13 16:24	1
Manganese	ND		15	3.3	ug/L		04/08/13 15:15	04/09/13 16:24	1
Nickel	ND		40	13	ug/L		04/08/13 15:15	04/09/13 16:24	1
Potassium	ND		5000	1700	ug/L		04/08/13 15:15	04/09/13 16:24	1
Selenium	ND	^	15	2.7	ug/L		04/08/13 15:15	04/09/13 16:24	1
Silver	ND		10	6.0	ug/L		04/08/13 15:15	04/09/13 16:24	1
Sodium	ND		1000	320	ug/L		04/08/13 15:15	04/09/13 16:24	1
Thallium	ND	^	20	4.0	ug/L		04/08/13 15:15	04/09/13 16:24	1
Vanadium	ND		50	4.1	ug/L		04/08/13 15:15	04/09/13 16:24	1
Zinc	ND		20	5.2	ug/L		04/08/13 15:15	04/09/13 16:24	1

Lab Sample ID: LCS 160-44899/2-A
Matrix: Water
Analysis Batch: 45279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10100		ug/L		101	80 - 120
Antimony	500	550		ug/L		110	80 - 120
Arsenic	1000	1060		ug/L		106	80 - 120
Barium	1000	1040		ug/L		104	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	1060		ug/L		106	80 - 120
Calcium	10000	10800		ug/L		108	80 - 120
Chromium	1000	1090		ug/L		109	80 - 120
Cobalt	1000	1100		ug/L		110	80 - 120
Copper	1000	1120		ug/L		112	80 - 120
Iron	10000	10400		ug/L		104	80 - 120
Lead	1000	1120		ug/L		112	80 - 120
Magnesium	10000	10100		ug/L		101	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 160-44899/2-A
Matrix: Water
Analysis Batch: 45279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	1000	1020		ug/L		102	80 - 120
Nickel	1000	1100		ug/L		110	80 - 120
Potassium	10000	10000		ug/L		100	80 - 120
Selenium	1000	1070	^	ug/L		107	80 - 120
Silver	100	92.2		ug/L		92	80 - 120
Sodium	10000	9850		ug/L		98	80 - 120
Thallium	200	229	^	ug/L		114	80 - 120
Vanadium	1000	1000		ug/L		100	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: 160-2009-1 MS
Matrix: Water
Analysis Batch: 45279

Client Sample ID: PZ-302-AI
Prep Type: Total/NA
Prep Batch: 44899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10000	10200		ug/L		102	75 - 125
Antimony	ND		500	533		ug/L		107	75 - 125
Arsenic	ND		1000	1020		ug/L		102	75 - 125
Barium	360		1000	1410		ug/L		105	75 - 125
Beryllium	ND		1000	1040		ug/L		104	75 - 125
Cadmium	ND		1000	1020		ug/L		102	75 - 125
Calcium	200000		10000	209000	4	ug/L		75	75 - 125
Chromium	ND		1000	1060		ug/L		106	75 - 125
Cobalt	ND		1000	1070		ug/L		107	75 - 125
Copper	ND		1000	1060		ug/L		106	75 - 125
Iron	1800		10000	12300		ug/L		105	75 - 125
Lead	ND		1000	1080		ug/L		108	75 - 125
Magnesium	55000		10000	65200	4	ug/L		99	75 - 125
Manganese	260		1000	1290		ug/L		103	75 - 125
Nickel	ND		1000	1090		ug/L		109	75 - 125
Potassium	ND		10000	17300	J F	ug/L		173	75 - 125
Selenium	21	J ^	1000	1050	^	ug/L		103	75 - 125
Silver	ND		100	86.5		ug/L		87	75 - 125
Sodium	63000		10000	73200	4	ug/L		100	75 - 125
Thallium	ND	^	200	227	^	ug/L		113	75 - 125
Vanadium	ND		1000	1040		ug/L		104	75 - 125
Zinc	ND		1000	1040		ug/L		104	75 - 125

Lab Sample ID: 160-2009-1 MSD
Matrix: Water
Analysis Batch: 45279

Client Sample ID: PZ-302-AI
Prep Type: Total/NA
Prep Batch: 44899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10000	10300		ug/L		103	75 - 125	1	20
Antimony	ND		500	547		ug/L		109	75 - 125	3	20
Arsenic	ND		1000	1090		ug/L		109	75 - 125	6	20
Barium	360		1000	1430		ug/L		106	75 - 125	1	20
Beryllium	ND		1000	1060		ug/L		106	75 - 125	1	20
Cadmium	ND		1000	1070		ug/L		107	75 - 125	5	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 160-2009-1 MSD
Matrix: Water
Analysis Batch: 45279

Client Sample ID: PZ-302-AI
Prep Type: Total/NA
Prep Batch: 44899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	200000		10000	223000	4	ug/L		218	75 - 125	7	20
Chromium	ND		1000	1120		ug/L		112	75 - 125	5	20
Cobalt	ND		1000	1130		ug/L		113	75 - 125	6	20
Copper	ND		1000	1100		ug/L		110	75 - 125	4	20
Iron	1800		10000	12500		ug/L		107	75 - 125	2	20
Lead	ND		1000	1140		ug/L		114	75 - 125	5	20
Magnesium	55000		10000	67400	4	ug/L		122	75 - 125	3	20
Manganese	260		1000	1310		ug/L		105	75 - 125	1	20
Nickel	ND		1000	1160		ug/L		116	75 - 125	6	20
Potassium	ND		10000	17600	J F	ug/L		176	75 - 125	2	20
Selenium	21	J ^	1000	1090	^	ug/L		106	75 - 125	4	20
Silver	ND		100	91.5		ug/L		92	75 - 125	6	20
Sodium	63000		10000	74600	4	ug/L		114	75 - 125	2	20
Thallium	ND	^	200	235	^	ug/L		117	75 - 125	3	20
Vanadium	ND		1000	1030		ug/L		103	75 - 125	1	20
Zinc	ND		1000	1100		ug/L		110	75 - 125	5	20

Lab Sample ID: MB 160-44901/1-A
Matrix: Water
Analysis Batch: 45279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/08/13 15:17	04/09/13 17:44	1
Antimony	ND		10	4.0	ug/L		04/08/13 15:17	04/09/13 17:44	1
Arsenic	ND		10	2.0	ug/L		04/08/13 15:17	04/09/13 17:44	1
Barium	ND		50	4.0	ug/L		04/08/13 15:17	04/09/13 17:44	1
Beryllium	ND		5.0	0.61	ug/L		04/08/13 15:17	04/09/13 17:44	1
Cadmium	ND		5.0	0.91	ug/L		04/08/13 15:17	04/09/13 17:44	1
Calcium	ND		1000	110	ug/L		04/08/13 15:17	04/09/13 17:44	1
Chromium	ND		10	3.1	ug/L		04/08/13 15:17	04/09/13 17:44	1
Cobalt	ND		50	4.0	ug/L		04/08/13 15:17	04/09/13 17:44	1
Copper	ND		25	4.6	ug/L		04/08/13 15:17	04/09/13 17:44	1
Iron	ND		100	28	ug/L		04/08/13 15:17	04/09/13 17:44	1
Lead	ND		10	1.5	ug/L		04/08/13 15:17	04/09/13 17:44	1
Magnesium	ND		1000	130	ug/L		04/08/13 15:17	04/09/13 17:44	1
Manganese	ND		15	3.3	ug/L		04/08/13 15:17	04/09/13 17:44	1
Nickel	ND		40	13	ug/L		04/08/13 15:17	04/09/13 17:44	1
Potassium	ND		5000	1700	ug/L		04/08/13 15:17	04/09/13 17:44	1
Selenium	ND	^	15	2.7	ug/L		04/08/13 15:17	04/09/13 17:44	1
Silver	ND		10	6.0	ug/L		04/08/13 15:17	04/09/13 17:44	1
Sodium	ND		1000	320	ug/L		04/08/13 15:17	04/09/13 17:44	1
Thallium	ND	^	20	4.0	ug/L		04/08/13 15:17	04/09/13 17:44	1
Vanadium	ND		50	4.1	ug/L		04/08/13 15:17	04/09/13 17:44	1
Zinc	6.30	J	20	5.2	ug/L		04/08/13 15:17	04/09/13 17:44	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 160-44901/2-A
Matrix: Water
Analysis Batch: 45279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10300		ug/L		103	80 - 120
Antimony	500	536		ug/L		107	80 - 120
Arsenic	1000	1040		ug/L		104	80 - 120
Barium	1000	1040		ug/L		104	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	1060		ug/L		106	80 - 120
Calcium	10000	10700		ug/L		107	80 - 120
Chromium	1000	1080		ug/L		108	80 - 120
Cobalt	1000	1100		ug/L		110	80 - 120
Copper	1000	1090		ug/L		109	80 - 120
Iron	10000	10300		ug/L		103	80 - 120
Lead	1000	1100		ug/L		110	80 - 120
Magnesium	10000	10300		ug/L		103	80 - 120
Manganese	1000	1050		ug/L		105	80 - 120
Nickel	1000	1100		ug/L		110	80 - 120
Potassium	10000	9940		ug/L		99	80 - 120
Selenium	1000	1050	^	ug/L		105	80 - 120
Silver	100	91.4		ug/L		91	80 - 120
Sodium	10000	9950		ug/L		99	80 - 120
Thallium	200	226	^	ug/L		113	80 - 120
Vanadium	1000	1010		ug/L		101	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: 160-2009-15 MS
Matrix: Water
Analysis Batch: 45279

Client Sample ID: PZ-111-SD
Prep Type: Total/NA
Prep Batch: 44901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10000	10300		ug/L		103	75 - 125
Antimony	ND		500	527		ug/L		105	75 - 125
Arsenic	ND		1000	1020		ug/L		102	75 - 125
Barium	120	J	1000	1160		ug/L		105	75 - 125
Beryllium	ND		1000	1040		ug/L		104	75 - 125
Cadmium	ND		1000	1050		ug/L		105	75 - 125
Calcium	98000		10000	104000	4	ug/L		65	75 - 125
Chromium	ND		1000	1080		ug/L		108	75 - 125
Cobalt	ND		1000	1080		ug/L		108	75 - 125
Copper	ND		1000	1080		ug/L		108	75 - 125
Iron	ND		10000	10400		ug/L		104	75 - 125
Lead	ND		1000	1090		ug/L		109	75 - 125
Magnesium	55000		10000	63100	4	ug/L		85	75 - 125
Manganese	ND		1000	1050		ug/L		105	75 - 125
Nickel	ND		1000	1100		ug/L		110	75 - 125
Potassium	ND		10000	11700	J	ug/L		117	75 - 125
Selenium	36	J ^	1000	1040	^	ug/L		100	75 - 125
Silver	ND		100	89.0		ug/L		89	75 - 125
Sodium	19000		10000	28500		ug/L		94	75 - 125
Thallium	ND	^	200	231	^	ug/L		116	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 160-2009-15 MS
Matrix: Water
Analysis Batch: 45279

Client Sample ID: PZ-111-SD
Prep Type: Total/NA
Prep Batch: 44901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	ND		1000	1020		ug/L		102	75 - 125
Zinc	ND		1000	1050		ug/L		105	75 - 125

Lab Sample ID: 160-2009-15 MSD
Matrix: Water
Analysis Batch: 45279

Client Sample ID: PZ-111-SD
Prep Type: Total/NA
Prep Batch: 44901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10000	10600		ug/L		106	75 - 125	2	20
Antimony	ND		500	558		ug/L		112	75 - 125	6	20
Arsenic	ND		1000	1080		ug/L		108	75 - 125	5	20
Barium	120	J	1000	1180		ug/L		107	75 - 125	2	20
Beryllium	ND		1000	1060		ug/L		106	75 - 125	2	20
Cadmium	ND		1000	1100		ug/L		110	75 - 125	5	20
Calcium	98000		10000	113000	4	ug/L		149	75 - 125	8	20
Chromium	ND		1000	1130		ug/L		113	75 - 125	5	20
Cobalt	ND		1000	1160		ug/L		116	75 - 125	6	20
Copper	ND		1000	1110		ug/L		111	75 - 125	3	20
Iron	ND		10000	10700		ug/L		107	75 - 125	3	20
Lead	ND		1000	1160		ug/L		116	75 - 125	5	20
Magnesium	55000		10000	66300	4	ug/L		117	75 - 125	5	20
Manganese	ND		1000	1080		ug/L		108	75 - 125	2	20
Nickel	ND		1000	1170		ug/L		117	75 - 125	6	20
Potassium	ND		10000	12100	J	ug/L		121	75 - 125	3	20
Selenium	36	J ^	1000	1100	^	ug/L		107	75 - 125	6	20
Silver	ND		100	93.5		ug/L		94	75 - 125	5	20
Sodium	19000		10000	29500		ug/L		104	75 - 125	3	20
Thallium	ND	^	200	242	^	ug/L		121	75 - 125	4	20
Vanadium	ND		1000	1060		ug/L		106	75 - 125	4	20
Zinc	ND		1000	1110		ug/L		111	75 - 125	5	20

Lab Sample ID: 160-2009-1 MS
Matrix: Water
Analysis Batch: 45512

Client Sample ID: PZ-302-AI
Prep Type: Dissolved
Prep Batch: 44896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	590	J	10000	11900		ug/L		113	75 - 125
Antimony	ND		500	536		ug/L		107	75 - 125
Arsenic	11	J	1000	1060		ug/L		104	75 - 125
Barium	380		1000	1440		ug/L		106	75 - 125
Beryllium	ND		1000	1070		ug/L		107	75 - 125
Cadmium	ND		1000	1090		ug/L		109	75 - 125
Calcium	210000		10000	223000	4	ug/L		161	75 - 125
Chromium	ND		1000	1100		ug/L		110	75 - 125
Cobalt	ND		1000	1130		ug/L		113	75 - 125
Copper	ND		1000	1100		ug/L		110	75 - 125
Iron	2700		10000	13600		ug/L		109	75 - 125
Lead	ND		1000	1110		ug/L		111	75 - 125
Magnesium	58000		10000	69900	4	ug/L		123	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 160-2009-1 MS
Matrix: Water
Analysis Batch: 45512

Client Sample ID: PZ-302-AI
Prep Type: Dissolved
Prep Batch: 44896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	280		1000	1370		ug/L		109	75 - 125
Nickel	ND		1000	1160		ug/L		116	75 - 125
Potassium	ND		10000	17900	J F	ug/L		179	75 - 125
Selenium	14	J	1000	1060		ug/L		105	75 - 125
Silver	ND		100	92.5		ug/L		93	75 - 125
Sodium	65000		10000	77200	4	ug/L		121	75 - 125
Thallium	ND	^	200	236	^	ug/L		118	75 - 125
Vanadium	ND		1000	1050		ug/L		105	75 - 125
Zinc	60	J	1000	1130		ug/L		107	75 - 125

Lab Sample ID: 160-2009-1 MSD
Matrix: Water
Analysis Batch: 45512

Client Sample ID: PZ-302-AI
Prep Type: Dissolved
Prep Batch: 44896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	590	J	10000	12000		ug/L		114	75 - 125	1	20
Antimony	ND		500	534		ug/L		107	75 - 125	0	20
Arsenic	11	J	1000	1060		ug/L		105	75 - 125	0	20
Barium	380		1000	1420		ug/L		104	75 - 125	1	20
Beryllium	ND		1000	1060		ug/L		106	75 - 125	1	20
Cadmium	ND		1000	1090		ug/L		109	75 - 125	0	20
Calcium	210000		10000	218000	4	ug/L		114	75 - 125	2	20
Chromium	ND		1000	1100		ug/L		110	75 - 125	0	20
Cobalt	ND		1000	1130		ug/L		113	75 - 125	0	20
Copper	ND		1000	1080		ug/L		108	75 - 125	2	20
Iron	2700		10000	13600		ug/L		109	75 - 125	0	20
Lead	ND		1000	1110		ug/L		111	75 - 125	0	20
Magnesium	58000		10000	68200	4	ug/L		106	75 - 125	2	20
Manganese	280		1000	1360		ug/L		108	75 - 125	1	20
Nickel	ND		1000	1160		ug/L		116	75 - 125	0	20
Potassium	ND		10000	17600	J F	ug/L		176	75 - 125	2	20
Selenium	14	J	1000	1050		ug/L		103	75 - 125	1	20
Silver	ND		100	92.0		ug/L		92	75 - 125	1	20
Sodium	65000		10000	74900	4	ug/L		98	75 - 125	3	20
Thallium	ND	^	200	239	^	ug/L		119	75 - 125	1	20
Vanadium	ND		1000	1050		ug/L		105	75 - 125	0	20
Zinc	60	J	1000	1140		ug/L		108	75 - 125	1	20

Lab Sample ID: 160-2009-15 MS
Matrix: Water
Analysis Batch: 45512

Client Sample ID: PZ-111-SD
Prep Type: Dissolved
Prep Batch: 44898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10000	10800		ug/L		108	75 - 125
Antimony	ND		500	542		ug/L		108	75 - 125
Arsenic	ND		1000	1040		ug/L		104	75 - 125
Barium	120	J	1000	1150		ug/L		104	75 - 125
Beryllium	ND		1000	1050		ug/L		105	75 - 125
Cadmium	ND		1000	1120		ug/L		112	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 160-2009-15 MS | **Client Sample ID: PZ-111-SD**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45512 | **Prep Batch: 44898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	99000		10000	113000	4	ug/L		143	75 - 125
Chromium	ND		1000	1120		ug/L		112	75 - 125
Cobalt	ND		1000	1160		ug/L		116	75 - 125
Copper	ND		1000	1100		ug/L		110	75 - 125
Iron	ND		10000	10500		ug/L		105	75 - 125
Lead	ND		1000	1130		ug/L		113	75 - 125
Magnesium	56000		10000	68800	4	ug/L		125	75 - 125
Manganese	ND		1000	1110		ug/L		111	75 - 125
Nickel	ND		1000	1170		ug/L		117	75 - 125
Potassium	ND		10000	12000	J	ug/L		120	75 - 125
Selenium	ND		1000	1050		ug/L		105	75 - 125
Silver	ND		100	95.5		ug/L		96	75 - 125
Sodium	19000		10000	30100		ug/L		108	75 - 125
Thallium	ND	^	200	250	^	ug/L		125	75 - 125
Vanadium	ND		1000	1050		ug/L		105	75 - 125
Zinc	28	J B	1000	1110		ug/L		109	75 - 125

Lab Sample ID: 160-2009-15 MSD | **Client Sample ID: PZ-111-SD**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45512 | **Prep Batch: 44898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10000	10300		ug/L		103	75 - 125	5	20
Antimony	ND		500	522		ug/L		104	75 - 125	4	20
Arsenic	ND		1000	1000		ug/L		100	75 - 125	3	20
Barium	120	J	1000	1100		ug/L		99	75 - 125	4	20
Beryllium	ND		1000	1010		ug/L		101	75 - 125	4	20
Cadmium	ND		1000	1070		ug/L		107	75 - 125	4	20
Calcium	99000		10000	106000	4	ug/L		77	75 - 125	6	20
Chromium	ND		1000	1070		ug/L		107	75 - 125	4	20
Cobalt	ND		1000	1110		ug/L		111	75 - 125	4	20
Copper	ND		1000	1060		ug/L		106	75 - 125	3	20
Iron	ND		10000	10100		ug/L		101	75 - 125	5	20
Lead	ND		1000	1080		ug/L		108	75 - 125	4	20
Magnesium	56000		10000	64600	4	ug/L		83	75 - 125	6	20
Manganese	ND		1000	1060		ug/L		106	75 - 125	5	20
Nickel	ND		1000	1120		ug/L		112	75 - 125	4	20
Potassium	ND		10000	11500	J	ug/L		115	75 - 125	4	20
Selenium	ND		1000	1010		ug/L		101	75 - 125	4	20
Silver	ND		100	92.0		ug/L		92	75 - 125	4	20
Sodium	19000		10000	28500		ug/L		92	75 - 125	5	20
Thallium	ND	^	200	232	^	ug/L		116	75 - 125	7	20
Vanadium	ND		1000	1010		ug/L		101	75 - 125	5	20
Zinc	28	J B	1000	1070		ug/L		105	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 160-45996/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45996**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/15/13 12:20	04/15/13 16:37	1

Lab Sample ID: LCS 160-45996/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45996**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.03		ug/L		103	80 - 120

Lab Sample ID: 160-2009-2 MS — **Client Sample ID: PZ-207-AS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45996**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.15	J	1.00	0.855	F	ug/L		70	80 - 120

Lab Sample ID: 160-2009-2 MSD — **Client Sample ID: PZ-207-AS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45996**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.15	J	1.00	0.877	F	ug/L		72	80 - 120	3	20

Lab Sample ID: MB 160-45998/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45998**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0614	J	0.20	0.060	ug/L		04/15/13 12:40	04/15/13 17:25	1

Lab Sample ID: LCS 160-45998/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45998**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.07		ug/L		107	80 - 120

Lab Sample ID: 160-2009-21 MS — **Client Sample ID: DUP01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45998**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	1.09		ug/L		109	80 - 120

Lab Sample ID: 160-2009-21 MSD — **Client Sample ID: DUP01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46210 — **Prep Batch: 45998**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	1.02		ug/L		102	80 - 120	7	20

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

Lab Sample ID: MB 160-45999/1-A
Matrix: Water
Analysis Batch: 46210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^	0.20	0.060	ug/L		04/15/13 12:41	04/15/13 17:42	1

Lab Sample ID: LCS 160-45999/2-A
Matrix: Water
Analysis Batch: 46210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.09	^	ug/L		109	80 - 120

Lab Sample ID: MB 160-46000/1-A
Matrix: Water
Analysis Batch: 46210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0761	J ^	0.20	0.060	ug/L		04/15/13 12:43	04/15/13 18:30	1

Lab Sample ID: LCS 160-46000/2-A
Matrix: Water
Analysis Batch: 46210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.33	^ *	ug/L		133	80 - 120

Lab Sample ID: 160-2009-2 MS
Matrix: Water
Analysis Batch: 46210

Client Sample ID: PZ-207-AS
Prep Type: Dissolved
Prep Batch: 45999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.099	J ^	1.00	1.09	^	ug/L		99	80 - 120

Lab Sample ID: 160-2009-2 MSD
Matrix: Water
Analysis Batch: 46210

Client Sample ID: PZ-207-AS
Prep Type: Dissolved
Prep Batch: 45999

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.099	J ^	1.00	0.915	^	ug/L		82	80 - 120	17	20

Lab Sample ID: 160-2009-21 MS
Matrix: Water
Analysis Batch: 46210

Client Sample ID: DUP01
Prep Type: Dissolved
Prep Batch: 46000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND	^ *	1.00	1.20	^	ug/L		120	80 - 120

Lab Sample ID: 160-2009-21 MSD
Matrix: Water
Analysis Batch: 46210

Client Sample ID: DUP01
Prep Type: Dissolved
Prep Batch: 46000

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND	^ *	1.00	1.18	^	ug/L		118	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 160-44919/3
Matrix: Water
Analysis Batch: 44919

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/05/13 12:23	1
Chloride	0.0524	J	0.20	0.020	mg/L			04/05/13 12:23	1
Bromide	ND		0.25	0.025	mg/L			04/05/13 12:23	1
Sulfate	ND		0.50	0.050	mg/L			04/05/13 12:23	1

Lab Sample ID: LCS 160-44919/4
Matrix: Water
Analysis Batch: 44919

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.400	0.400		mg/L		100	90 - 110
Chloride	2.00	2.04		mg/L		102	90 - 110
Bromide	2.00	2.00		mg/L		100	90 - 110
Sulfate	8.00	7.69		mg/L		96	90 - 110

Lab Sample ID: 160-2009-1 MS
Matrix: Water
Analysis Batch: 44919

Client Sample ID: PZ-302-AI
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.022	H	0.400	0.371	F	mg/L		87	90 - 110
Bromide	0.36		2.00	2.26		mg/L		95	90 - 110

Lab Sample ID: 160-2009-12 MS
Matrix: Water
Analysis Batch: 44919

Client Sample ID: PZ-304-AS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	ND		0.400	0.364		mg/L		91	90 - 110
Bromide	3.5		2.00	5.57		mg/L		103	90 - 110
Sulfate	0.30	J	4.00	4.00		mg/L		92	90 - 110

Lab Sample ID: 160-2009-1 DU
Matrix: Water
Analysis Batch: 44919

Client Sample ID: PZ-302-AI
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	0.022	H	ND		mg/L		NC	20
Bromide	0.36		0.358		mg/L		1	20

Lab Sample ID: MB 160-45346/37
Matrix: Water
Analysis Batch: 45346

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodide	ND		1.0	0.10	mg/L			04/09/13 02:14	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 160-45346/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodide	ND		1.0	0.10	mg/L			04/08/13 19:31	1

Lab Sample ID: LCS 160-45346/10 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iodide	4.00	3.94		mg/L		98	90 - 110

Lab Sample ID: LCS 160-45346/38 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iodide	4.00	4.03		mg/L		101	90 - 110

Lab Sample ID: 160-2009-1 MS — **Client Sample ID: PZ-302-AI**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iodide	0.11	J	4.00	3.98		mg/L		97	90 - 110

Lab Sample ID: 160-2009-12 MS — **Client Sample ID: PZ-304-AS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iodide	1.0		4.00	4.99		mg/L		99	90 - 110

Lab Sample ID: 160-2009-20 MS — **Client Sample ID: LR-104**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iodide	0.52	J	4.00	4.50		mg/L		99	90 - 110

Lab Sample ID: 160-2009-1 DU — **Client Sample ID: PZ-302-AI**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iodide	0.11	J	0.106	J	mg/L		2	20

Lab Sample ID: 160-2009-20 DU — **Client Sample ID: LR-104**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45346

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iodide	0.52	J	0.530	J	mg/L		2	20

Lab Sample ID: MB 160-45379/9
Matrix: Water
Analysis Batch: 45379

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/08/13 15:17	1
Chloride	ND		0.20	0.020	mg/L			04/08/13 15:17	1
Bromide	ND		0.25	0.025	mg/L			04/08/13 15:17	1
Sulfate	ND		0.50	0.050	mg/L			04/08/13 15:17	1

Lab Sample ID: LCS 160-45379/10
Matrix: Water
Analysis Batch: 45379

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N			0.400	0.395		mg/L		99	90 - 110		
Chloride			2.00	1.90		mg/L		95	90 - 110		
Bromide			2.00	1.96		mg/L		98	90 - 110		
Sulfate			8.00	7.58		mg/L		95	90 - 110		

Lab Sample ID: 160-2009-22 MS
Matrix: Water
Analysis Batch: 45379

Client Sample ID: DUP02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N	ND	H	0.400	0.381		mg/L		95	90 - 110		
Bromide	3.9		2.00	6.07		mg/L		107	90 - 110		

Lab Sample ID: 160-2009-22 DU
Matrix: Water
Analysis Batch: 45379

Client Sample ID: DUP02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate as N	ND	H		0.00927	J	mg/L				NC	20
Bromide	3.9			3.87		mg/L				2	20

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 160-2009-1 MS
Matrix: Water
Analysis Batch: 44919

Client Sample ID: PZ-302-AI
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride - DL	63	B	40.0	105		mg/L		106	90 - 110		
Sulfate - DL	56		80.0	132		mg/L		95	90 - 110		

Lab Sample ID: 160-2009-1 DU
Matrix: Water
Analysis Batch: 44919

Client Sample ID: PZ-302-AI
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride - DL	63	B		63.5		mg/L				0.6	20
Sulfate - DL	56			56.8		mg/L				2	20

Method: 300.0 - Anions, Ion Chromatography - DL (Continued)

Lab Sample ID: 160-2009-22 MS
Matrix: Water
Analysis Batch: 45379

Client Sample ID: DUP02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride - DL	240		200	440		mg/L		97	90 - 110
Sulfate - DL	690		400	1070		mg/L		94	90 - 110

Lab Sample ID: 160-2009-22 DU
Matrix: Water
Analysis Batch: 45379

Client Sample ID: DUP02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride - DL	240		239		mg/L		3	20
Sulfate - DL	690		679		mg/L		2	20

Method: 300.0 - Anions, Ion Chromatography - RADL

Lab Sample ID: 160-2009-2 MS
Matrix: Water
Analysis Batch: 45379

Client Sample ID: PZ-207-AS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride - RADL	210		400	598		mg/L		96	90 - 110

Lab Sample ID: 160-2009-14 MS
Matrix: Water
Analysis Batch: 45379

Client Sample ID: D-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride - RADL	240		200	435		mg/L		98	90 - 110
Sulfate - RADL	680		400	1050		mg/L		93	90 - 110

Lab Sample ID: 160-2009-2 DU
Matrix: Water
Analysis Batch: 45379

Client Sample ID: PZ-207-AS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride - RADL	210		207		mg/L		3	20

Method: 310.1 - Alkalinity

Lab Sample ID: MB 160-45228/1
Matrix: Water
Analysis Batch: 45228

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	ND		1.3	0.14	mg/L			04/09/13 12:47	1

Method: 310.1 - Alkalinity (Continued)

Lab Sample ID: LCS 160-45228/3
Matrix: Water
Analysis Batch: 45228

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	400	376		mg/L		94	90 - 110

Lab Sample ID: LLCS 160-45228/2
Matrix: Water
Analysis Batch: 45228

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	182		mg/L		91	90 - 110

Lab Sample ID: 160-2009-1 MS
Matrix: Water
Analysis Batch: 45228

Client Sample ID: PZ-302-AI
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	700		20.0	710	4	mg/L		30	80 - 120

Lab Sample ID: 160-2009-1 DU
Matrix: Water
Analysis Batch: 45228

Client Sample ID: PZ-302-AI
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	700		704		mg/L		0	20

Lab Sample ID: MB 160-45323/1
Matrix: Water
Analysis Batch: 45323

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	ND		1.3	0.14	mg/L			04/10/13 12:11	1

Lab Sample ID: LCS 160-45323/3
Matrix: Water
Analysis Batch: 45323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	400	370		mg/L		93	90 - 110

Lab Sample ID: LLCS 160-45323/2
Matrix: Water
Analysis Batch: 45323

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	185		mg/L		93	90 - 110

Method: 310.1 - Alkalinity - DL

Lab Sample ID: 160-2009-12 MS
Matrix: Water
Analysis Batch: 45323

Client Sample ID: PZ-304-AS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity - DL	1200		100	1270	4	mg/L		85	80 - 120		

Lab Sample ID: 160-2009-12 DU
Matrix: Water
Analysis Batch: 45323

Client Sample ID: PZ-304-AS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity - DL	1200			1180		mg/L				0	20

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Analysis Batch: 45286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	8260C	
160-2009-2	PZ-207-AS	Total/NA	Water	8260C	
160-2009-3	D-81	Total/NA	Water	8260C	
160-2009-4	LR-100	Total/NA	Water	8260C	
160-2009-5	LR-105	Total/NA	Water	8260C	
160-2009-6	LR-103	Total/NA	Water	8260C	
160-2009-7	FB@PZ-110-SS	Total/NA	Water	8260C	
160-2009-8	PZ-110-SS	Total/NA	Water	8260C	
160-2009-9	I-62	Total/NA	Water	8260C	
160-2009-10	S-8	Total/NA	Water	8260C	
160-2009-11	D-13	Total/NA	Water	8260C	
160-2009-12	PZ-304-AS	Total/NA	Water	8260C	
160-2009-13	PZ-303-AS	Total/NA	Water	8260C	
160-2009-14	D-12	Total/NA	Water	8260C	
160-2009-15	PZ-111-SD	Total/NA	Water	8260C	
160-2009-15 MS	PZ-111-SD	Total/NA	Water	8260C	
160-2009-15 MSD	PZ-111-SD	Total/NA	Water	8260C	
160-2009-16	PZ-304-AI	Total/NA	Water	8260C	
160-2009-17	I-11	Total/NA	Water	8260C	
160-2009-18	PZ-105-SS	Total/NA	Water	8260C	
LCS 160-45286/4	Lab Control Sample	Total/NA	Water	8260C	
MB 160-45286/2	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 45293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-19	S-10	Total/NA	Water	8260C	
160-2009-20	LR-104	Total/NA	Water	8260C	
160-2009-21	DUP01	Total/NA	Water	8260C	
160-2009-22	DUP02	Total/NA	Water	8260C	
160-2009-23	TRIP BLANK	Total/NA	Water	8260C	
LCS 160-45293/4	Lab Control Sample	Total/NA	Water	8260C	
MB 160-45293/2	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 46058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-5 - DL	LR-105	Total/NA	Water	8260C	
LCS 160-46058/4-A	Lab Control Sample	Total/NA	Water	8260C	
MB 160-46058/3-A	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 44896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Dissolved	Water	3010A	
160-2009-1 MS	PZ-302-AI	Dissolved	Water	3010A	
160-2009-1 MSD	PZ-302-AI	Dissolved	Water	3010A	
160-2009-2	PZ-207-AS	Dissolved	Water	3010A	
160-2009-3	D-81	Dissolved	Water	3010A	
160-2009-4	LR-100	Dissolved	Water	3010A	
160-2009-5	LR-105	Dissolved	Water	3010A	

Metals (Continued)

Prep Batch: 44896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-6	LR-103	Dissolved	Water	3010A	
160-2009-8	PZ-110-SS	Dissolved	Water	3010A	
160-2009-9	I-62	Dissolved	Water	3010A	
160-2009-10	S-8	Dissolved	Water	3010A	
160-2009-11	D-13	Dissolved	Water	3010A	
160-2009-12	PZ-304-AS	Dissolved	Water	3010A	
160-2009-13	PZ-303-AS	Dissolved	Water	3010A	
160-2009-14	D-12	Dissolved	Water	3010A	
LCS 160-44896/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-44896/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 44898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-15	PZ-111-SD	Dissolved	Water	3010A	
160-2009-15 MS	PZ-111-SD	Dissolved	Water	3010A	
160-2009-15 MSD	PZ-111-SD	Dissolved	Water	3010A	
160-2009-16	PZ-304-AI	Dissolved	Water	3010A	
160-2009-17	I-11	Dissolved	Water	3010A	
160-2009-18	PZ-105-SS	Dissolved	Water	3010A	
160-2009-19	S-10	Dissolved	Water	3010A	
160-2009-20	LR-104	Dissolved	Water	3010A	
160-2009-21	DUP01	Dissolved	Water	3010A	
160-2009-22	DUP02	Dissolved	Water	3010A	
LCS 160-44898/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-44898/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 44899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	3010A	
160-2009-1 MS	PZ-302-AI	Total/NA	Water	3010A	
160-2009-1 MSD	PZ-302-AI	Total/NA	Water	3010A	
160-2009-2	PZ-207-AS	Total/NA	Water	3010A	
160-2009-3	D-81	Total/NA	Water	3010A	
160-2009-4	LR-100	Total/NA	Water	3010A	
160-2009-5	LR-105	Total/NA	Water	3010A	
160-2009-6	LR-103	Total/NA	Water	3010A	
160-2009-8	PZ-110-SS	Total/NA	Water	3010A	
160-2009-9	I-62	Total/NA	Water	3010A	
160-2009-10	S-8	Total/NA	Water	3010A	
160-2009-11	D-13	Total/NA	Water	3010A	
160-2009-12	PZ-304-AS	Total/NA	Water	3010A	
160-2009-13	PZ-303-AS	Total/NA	Water	3010A	
160-2009-14	D-12	Total/NA	Water	3010A	
LCS 160-44899/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-44899/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 44901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-15	PZ-111-SD	Total/NA	Water	3010A	
160-2009-15 MS	PZ-111-SD	Total/NA	Water	3010A	
160-2009-15 MSD	PZ-111-SD	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 44901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-16	PZ-304-AI	Total/NA	Water	3010A	
160-2009-17	I-11	Total/NA	Water	3010A	
160-2009-18	PZ-105-SS	Total/NA	Water	3010A	
160-2009-19	S-10	Total/NA	Water	3010A	
160-2009-20	LR-104	Total/NA	Water	3010A	
160-2009-21	DUP01	Total/NA	Water	3010A	
160-2009-22	DUP02	Total/NA	Water	3010A	
LCS 160-44901/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-44901/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 45279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	6010C	44899
160-2009-1 MS	PZ-302-AI	Total/NA	Water	6010C	44899
160-2009-1 MSD	PZ-302-AI	Total/NA	Water	6010C	44899
160-2009-2	PZ-207-AS	Total/NA	Water	6010C	44899
160-2009-3	D-81	Total/NA	Water	6010C	44899
160-2009-4	LR-100	Total/NA	Water	6010C	44899
160-2009-5	LR-105	Total/NA	Water	6010C	44899
160-2009-6	LR-103	Total/NA	Water	6010C	44899
160-2009-8	PZ-110-SS	Total/NA	Water	6010C	44899
160-2009-9	I-62	Total/NA	Water	6010C	44899
160-2009-10	S-8	Total/NA	Water	6010C	44899
160-2009-11	D-13	Total/NA	Water	6010C	44899
160-2009-12	PZ-304-AS	Total/NA	Water	6010C	44899
160-2009-13	PZ-303-AS	Total/NA	Water	6010C	44899
160-2009-14	D-12	Total/NA	Water	6010C	44899
160-2009-15	PZ-111-SD	Total/NA	Water	6010C	44901
160-2009-15 MS	PZ-111-SD	Total/NA	Water	6010C	44901
160-2009-15 MSD	PZ-111-SD	Total/NA	Water	6010C	44901
160-2009-16	PZ-304-AI	Total/NA	Water	6010C	44901
160-2009-17	I-11	Total/NA	Water	6010C	44901
160-2009-18	PZ-105-SS	Total/NA	Water	6010C	44901
160-2009-19	S-10	Total/NA	Water	6010C	44901
160-2009-20	LR-104	Total/NA	Water	6010C	44901
160-2009-21	DUP01	Total/NA	Water	6010C	44901
160-2009-22	DUP02	Total/NA	Water	6010C	44901
LCS 160-44899/2-A	Lab Control Sample	Total/NA	Water	6010C	44899
LCS 160-44901/2-A	Lab Control Sample	Total/NA	Water	6010C	44901
MB 160-44899/1-A	Method Blank	Total/NA	Water	6010C	44899
MB 160-44901/1-A	Method Blank	Total/NA	Water	6010C	44901

Analysis Batch: 45340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-5	LR-105	Total/NA	Water	6010C	44899
160-2009-6	LR-103	Total/NA	Water	6010C	44899
160-2009-13	PZ-303-AS	Total/NA	Water	6010C	44899
160-2009-14	D-12	Total/NA	Water	6010C	44899
160-2009-17	I-11	Total/NA	Water	6010C	44901
160-2009-22	DUP02	Total/NA	Water	6010C	44901

Metals (Continued)

Analysis Batch: 45512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Dissolved	Water	6010C	44896
160-2009-1 MS	PZ-302-AI	Dissolved	Water	6010C	44896
160-2009-1 MSD	PZ-302-AI	Dissolved	Water	6010C	44896
160-2009-2	PZ-207-AS	Dissolved	Water	6010C	44896
160-2009-3	D-81	Dissolved	Water	6010C	44896
160-2009-4	LR-100	Dissolved	Water	6010C	44896
160-2009-5	LR-105	Dissolved	Water	6010C	44896
160-2009-6	LR-103	Dissolved	Water	6010C	44896
160-2009-8	PZ-110-SS	Dissolved	Water	6010C	44896
160-2009-9	I-62	Dissolved	Water	6010C	44896
160-2009-10	S-8	Dissolved	Water	6010C	44896
160-2009-11	D-13	Dissolved	Water	6010C	44896
160-2009-12	PZ-304-AS	Dissolved	Water	6010C	44896
160-2009-13	PZ-303-AS	Dissolved	Water	6010C	44896
160-2009-14	D-12	Dissolved	Water	6010C	44896
160-2009-15	PZ-111-SD	Dissolved	Water	6010C	44898
160-2009-15 MS	PZ-111-SD	Dissolved	Water	6010C	44898
160-2009-15 MSD	PZ-111-SD	Dissolved	Water	6010C	44898
160-2009-16	PZ-304-AI	Dissolved	Water	6010C	44898
160-2009-17	I-11	Dissolved	Water	6010C	44898
160-2009-18	PZ-105-SS	Dissolved	Water	6010C	44898
160-2009-19	S-10	Dissolved	Water	6010C	44898
160-2009-20	LR-104	Dissolved	Water	6010C	44898
160-2009-21	DUP01	Dissolved	Water	6010C	44898
160-2009-22	DUP02	Dissolved	Water	6010C	44898
LCS 160-44896/2-A	Lab Control Sample	Total/NA	Water	6010C	44896
LCS 160-44898/2-A	Lab Control Sample	Total/NA	Water	6010C	44898
MB 160-44896/1-A	Method Blank	Total/NA	Water	6010C	44896
MB 160-44898/1-A	Method Blank	Total/NA	Water	6010C	44898

Analysis Batch: 45557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-5	LR-105	Dissolved	Water	6010C	44896
160-2009-6	LR-103	Dissolved	Water	6010C	44896
160-2009-13	PZ-303-AS	Dissolved	Water	6010C	44896
160-2009-14	D-12	Dissolved	Water	6010C	44896
160-2009-17	I-11	Dissolved	Water	6010C	44898
160-2009-20	LR-104	Dissolved	Water	6010C	44898
160-2009-22	DUP02	Dissolved	Water	6010C	44898

Prep Batch: 45996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	7470A	
160-2009-2	PZ-207-AS	Total/NA	Water	7470A	
160-2009-2 MS	PZ-207-AS	Total/NA	Water	7470A	
160-2009-2 MSD	PZ-207-AS	Total/NA	Water	7470A	
160-2009-3	D-81	Total/NA	Water	7470A	
160-2009-4	LR-100	Total/NA	Water	7470A	
160-2009-5	LR-105	Total/NA	Water	7470A	
160-2009-6	LR-103	Total/NA	Water	7470A	
160-2009-8	PZ-110-SS	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 45996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-9	I-62	Total/NA	Water	7470A	
160-2009-10	S-8	Total/NA	Water	7470A	
160-2009-11	D-13	Total/NA	Water	7470A	
160-2009-12	PZ-304-AS	Total/NA	Water	7470A	
160-2009-13	PZ-303-AS	Total/NA	Water	7470A	
160-2009-14	D-12	Total/NA	Water	7470A	
160-2009-15	PZ-111-SD	Total/NA	Water	7470A	
160-2009-16	PZ-304-AI	Total/NA	Water	7470A	
160-2009-17	I-11	Total/NA	Water	7470A	
160-2009-18	PZ-105-SS	Total/NA	Water	7470A	
160-2009-19	S-10	Total/NA	Water	7470A	
160-2009-20	LR-104	Total/NA	Water	7470A	
LCS 160-45996/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-45996/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 45998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-21	DUP01	Total/NA	Water	7470A	
160-2009-21 MS	DUP01	Total/NA	Water	7470A	
160-2009-21 MSD	DUP01	Total/NA	Water	7470A	
160-2009-22	DUP02	Total/NA	Water	7470A	
LCS 160-45998/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-45998/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 45999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Dissolved	Water	7470A	
160-2009-2	PZ-207-AS	Dissolved	Water	7470A	
160-2009-2 MS	PZ-207-AS	Dissolved	Water	7470A	
160-2009-2 MSD	PZ-207-AS	Dissolved	Water	7470A	
160-2009-3	D-81	Dissolved	Water	7470A	
160-2009-4	LR-100	Dissolved	Water	7470A	
160-2009-5	LR-105	Dissolved	Water	7470A	
160-2009-6	LR-103	Dissolved	Water	7470A	
160-2009-8	PZ-110-SS	Dissolved	Water	7470A	
160-2009-9	I-62	Dissolved	Water	7470A	
160-2009-10	S-8	Dissolved	Water	7470A	
160-2009-11	D-13	Dissolved	Water	7470A	
160-2009-12	PZ-304-AS	Dissolved	Water	7470A	
160-2009-13	PZ-303-AS	Dissolved	Water	7470A	
160-2009-14	D-12	Dissolved	Water	7470A	
160-2009-15	PZ-111-SD	Dissolved	Water	7470A	
160-2009-16	PZ-304-AI	Dissolved	Water	7470A	
160-2009-17	I-11	Dissolved	Water	7470A	
160-2009-18	PZ-105-SS	Dissolved	Water	7470A	
160-2009-19	S-10	Dissolved	Water	7470A	
160-2009-20	LR-104	Dissolved	Water	7470A	
LCS 160-45999/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-45999/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 46000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-21	DUP01	Dissolved	Water	7470A	
160-2009-21 MS	DUP01	Dissolved	Water	7470A	
160-2009-21 MSD	DUP01	Dissolved	Water	7470A	
160-2009-22	DUP02	Dissolved	Water	7470A	
LCS 160-46000/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-46000/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 46210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	7470A	45996
160-2009-1	PZ-302-AI	Dissolved	Water	7470A	45999
160-2009-2	PZ-207-AS	Total/NA	Water	7470A	45996
160-2009-2	PZ-207-AS	Dissolved	Water	7470A	45999
160-2009-2 MS	PZ-207-AS	Dissolved	Water	7470A	45999
160-2009-2 MS	PZ-207-AS	Total/NA	Water	7470A	45996
160-2009-2 MSD	PZ-207-AS	Dissolved	Water	7470A	45999
160-2009-2 MSD	PZ-207-AS	Total/NA	Water	7470A	45996
160-2009-3	D-81	Total/NA	Water	7470A	45996
160-2009-3	D-81	Dissolved	Water	7470A	45999
160-2009-4	LR-100	Total/NA	Water	7470A	45996
160-2009-4	LR-100	Dissolved	Water	7470A	45999
160-2009-5	LR-105	Total/NA	Water	7470A	45996
160-2009-5	LR-105	Dissolved	Water	7470A	45999
160-2009-6	LR-103	Total/NA	Water	7470A	45996
160-2009-6	LR-103	Dissolved	Water	7470A	45999
160-2009-8	PZ-110-SS	Total/NA	Water	7470A	45996
160-2009-8	PZ-110-SS	Dissolved	Water	7470A	45999
160-2009-9	I-62	Total/NA	Water	7470A	45996
160-2009-9	I-62	Dissolved	Water	7470A	45999
160-2009-10	S-8	Total/NA	Water	7470A	45996
160-2009-10	S-8	Dissolved	Water	7470A	45999
160-2009-11	D-13	Total/NA	Water	7470A	45996
160-2009-11	D-13	Dissolved	Water	7470A	45999
160-2009-12	PZ-304-AS	Total/NA	Water	7470A	45996
160-2009-12	PZ-304-AS	Dissolved	Water	7470A	45999
160-2009-13	PZ-303-AS	Total/NA	Water	7470A	45996
160-2009-13	PZ-303-AS	Dissolved	Water	7470A	45999
160-2009-14	D-12	Total/NA	Water	7470A	45996
160-2009-14	D-12	Dissolved	Water	7470A	45999
160-2009-15	PZ-111-SD	Total/NA	Water	7470A	45996
160-2009-15	PZ-111-SD	Dissolved	Water	7470A	45999
160-2009-16	PZ-304-AI	Total/NA	Water	7470A	45996
160-2009-16	PZ-304-AI	Dissolved	Water	7470A	45999
160-2009-17	I-11	Total/NA	Water	7470A	45996
160-2009-17	I-11	Dissolved	Water	7470A	45999
160-2009-18	PZ-105-SS	Total/NA	Water	7470A	45996
160-2009-18	PZ-105-SS	Dissolved	Water	7470A	45999
160-2009-19	S-10	Total/NA	Water	7470A	45996
160-2009-19	S-10	Dissolved	Water	7470A	45999
160-2009-20	LR-104	Total/NA	Water	7470A	45996
160-2009-20	LR-104	Dissolved	Water	7470A	45999

Metals (Continued)

Analysis Batch: 46210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-21	DUP01	Total/NA	Water	7470A	45998
160-2009-21	DUP01	Dissolved	Water	7470A	46000
160-2009-21 MS	DUP01	Dissolved	Water	7470A	46000
160-2009-21 MS	DUP01	Total/NA	Water	7470A	45998
160-2009-21 MSD	DUP01	Dissolved	Water	7470A	46000
160-2009-21 MSD	DUP01	Total/NA	Water	7470A	45998
160-2009-22	DUP02	Total/NA	Water	7470A	45998
160-2009-22	DUP02	Dissolved	Water	7470A	46000
LCS 160-45996/2-A	Lab Control Sample	Total/NA	Water	7470A	45996
LCS 160-45998/2-A	Lab Control Sample	Total/NA	Water	7470A	45998
LCS 160-45999/2-A	Lab Control Sample	Total/NA	Water	7470A	45999
LCS 160-46000/2-A	Lab Control Sample	Total/NA	Water	7470A	46000
MB 160-45996/1-A	Method Blank	Total/NA	Water	7470A	45996
MB 160-45998/1-A	Method Blank	Total/NA	Water	7470A	45998
MB 160-45999/1-A	Method Blank	Total/NA	Water	7470A	45999
MB 160-46000/1-A	Method Blank	Total/NA	Water	7470A	46000

General Chemistry

Analysis Batch: 44919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 - DL	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 DU - DL	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 DU	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 MS - DL	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 MS	PZ-302-AI	Total/NA	Water	300.0	
160-2009-2	PZ-207-AS	Total/NA	Water	300.0	
160-2009-3	D-81	Total/NA	Water	300.0	
160-2009-3 - DL	D-81	Total/NA	Water	300.0	
160-2009-4	LR-100	Total/NA	Water	300.0	
160-2009-4 - DL	LR-100	Total/NA	Water	300.0	
160-2009-5	LR-105	Total/NA	Water	300.0	
160-2009-5 - DL	LR-105	Total/NA	Water	300.0	
160-2009-6	LR-103	Total/NA	Water	300.0	
160-2009-8	PZ-110-SS	Total/NA	Water	300.0	
160-2009-8 - DL	PZ-110-SS	Total/NA	Water	300.0	
160-2009-9	I-62	Total/NA	Water	300.0	
160-2009-9 - DL	I-62	Total/NA	Water	300.0	
160-2009-10	S-8	Total/NA	Water	300.0	
160-2009-10 - DL	S-8	Total/NA	Water	300.0	
160-2009-11	D-13	Total/NA	Water	300.0	
160-2009-11 - DL	D-13	Total/NA	Water	300.0	
160-2009-12	PZ-304-AS	Total/NA	Water	300.0	
160-2009-12 MS	PZ-304-AS	Total/NA	Water	300.0	
160-2009-13	PZ-303-AS	Total/NA	Water	300.0	
160-2009-14	D-12	Total/NA	Water	300.0	
160-2009-15	PZ-111-SD	Total/NA	Water	300.0	
160-2009-15 - DL	PZ-111-SD	Total/NA	Water	300.0	
160-2009-16	PZ-304-AI	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 44919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-17	I-11	Total/NA	Water	300.0	
160-2009-17 - DL	I-11	Total/NA	Water	300.0	
160-2009-18	PZ-105-SS	Total/NA	Water	300.0	
160-2009-18 - DL	PZ-105-SS	Total/NA	Water	300.0	
160-2009-19	S-10	Total/NA	Water	300.0	
160-2009-20	LR-104	Total/NA	Water	300.0	
160-2009-20 - DL	LR-104	Total/NA	Water	300.0	
160-2009-21	DUP01	Total/NA	Water	300.0	
160-2009-21 - DL	DUP01	Total/NA	Water	300.0	
LCS 160-44919/4	Lab Control Sample	Total/NA	Water	300.0	
MB 160-44919/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 45228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	310.1	
160-2009-1 DU	PZ-302-AI	Total/NA	Water	310.1	
160-2009-1 MS	PZ-302-AI	Total/NA	Water	310.1	
LCS 160-45228/3	Lab Control Sample	Total/NA	Water	310.1	
LLCS 160-45228/2	Lab Control Sample	Total/NA	Water	310.1	
MB 160-45228/1	Method Blank	Total/NA	Water	310.1	

Analysis Batch: 45323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-2 - DL	PZ-207-AS	Total/NA	Water	310.1	
160-2009-3	D-81	Total/NA	Water	310.1	
160-2009-4 - DL	LR-100	Total/NA	Water	310.1	
160-2009-5 - DL	LR-105	Total/NA	Water	310.1	
160-2009-6	LR-103	Total/NA	Water	310.1	
160-2009-8	PZ-110-SS	Total/NA	Water	310.1	
160-2009-9	I-62	Total/NA	Water	310.1	
160-2009-10	S-8	Total/NA	Water	310.1	
160-2009-11	D-13	Total/NA	Water	310.1	
160-2009-12 - DL	PZ-304-AS	Total/NA	Water	310.1	
160-2009-12 DU - DL	PZ-304-AS	Total/NA	Water	310.1	
160-2009-12 MS - DL	PZ-304-AS	Total/NA	Water	310.1	
160-2009-13	PZ-303-AS	Total/NA	Water	310.1	
160-2009-14	D-12	Total/NA	Water	310.1	
160-2009-15	PZ-111-SD	Total/NA	Water	310.1	
160-2009-16	PZ-304-AI	Total/NA	Water	310.1	
160-2009-17	I-11	Total/NA	Water	310.1	
160-2009-18	PZ-105-SS	Total/NA	Water	310.1	
160-2009-19	S-10	Total/NA	Water	310.1	
160-2009-20	LR-104	Total/NA	Water	310.1	
160-2009-21	DUP01	Total/NA	Water	310.1	
160-2009-22	DUP02	Total/NA	Water	310.1	
LCS 160-45323/3	Lab Control Sample	Total/NA	Water	310.1	
LLCS 160-45323/2	Lab Control Sample	Total/NA	Water	310.1	
MB 160-45323/1	Method Blank	Total/NA	Water	310.1	

General Chemistry (Continued)

Analysis Batch: 45346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-1	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 DU	PZ-302-AI	Total/NA	Water	300.0	
160-2009-1 MS	PZ-302-AI	Total/NA	Water	300.0	
160-2009-2	PZ-207-AS	Total/NA	Water	300.0	
160-2009-3	D-81	Total/NA	Water	300.0	
160-2009-4	LR-100	Total/NA	Water	300.0	
160-2009-5	LR-105	Total/NA	Water	300.0	
160-2009-6	LR-103	Total/NA	Water	300.0	
160-2009-8	PZ-110-SS	Total/NA	Water	300.0	
160-2009-9	I-62	Total/NA	Water	300.0	
160-2009-10	S-8	Total/NA	Water	300.0	
160-2009-11	D-13	Total/NA	Water	300.0	
160-2009-12	PZ-304-AS	Total/NA	Water	300.0	
160-2009-12 MS	PZ-304-AS	Total/NA	Water	300.0	
160-2009-13	PZ-303-AS	Total/NA	Water	300.0	
160-2009-14	D-12	Total/NA	Water	300.0	
160-2009-15	PZ-111-SD	Total/NA	Water	300.0	
160-2009-16	PZ-304-AI	Total/NA	Water	300.0	
160-2009-17	I-11	Total/NA	Water	300.0	
160-2009-18	PZ-105-SS	Total/NA	Water	300.0	
160-2009-19	S-10	Total/NA	Water	300.0	
160-2009-20	LR-104	Total/NA	Water	300.0	
160-2009-20 DU	LR-104	Total/NA	Water	300.0	
160-2009-20 MS	LR-104	Total/NA	Water	300.0	
160-2009-21	DUP01	Total/NA	Water	300.0	
160-2009-22	DUP02	Total/NA	Water	300.0	
LCS 160-45346/10	Lab Control Sample	Total/NA	Water	300.0	
LCS 160-45346/38	Lab Control Sample	Total/NA	Water	300.0	
MB 160-45346/37	Method Blank	Total/NA	Water	300.0	
MB 160-45346/9	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 45379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-2 - RADL	PZ-207-AS	Total/NA	Water	300.0	
160-2009-2 DU - RADL	PZ-207-AS	Total/NA	Water	300.0	
160-2009-2 MS - RADL	PZ-207-AS	Total/NA	Water	300.0	
160-2009-4 - RADL	LR-100	Total/NA	Water	300.0	
160-2009-5 - RADL	LR-105	Total/NA	Water	300.0	
160-2009-6 - RADL	LR-103	Total/NA	Water	300.0	
160-2009-8 - RADL	PZ-110-SS	Total/NA	Water	300.0	
160-2009-11 - RADL	D-13	Total/NA	Water	300.0	
160-2009-12 - RADL	PZ-304-AS	Total/NA	Water	300.0	
160-2009-13 - RADL	PZ-303-AS	Total/NA	Water	300.0	
160-2009-14 - RADL	D-12	Total/NA	Water	300.0	
160-2009-14 MS - RADL	D-12	Total/NA	Water	300.0	
160-2009-16 - RADL	PZ-304-AI	Total/NA	Water	300.0	
160-2009-17 - RADL	I-11	Total/NA	Water	300.0	
160-2009-19 - RADL	S-10	Total/NA	Water	300.0	
160-2009-22	DUP02	Total/NA	Water	300.0	
160-2009-22 - DL	DUP02	Total/NA	Water	300.0	
160-2009-22 DU - DL	DUP02	Total/NA	Water	300.0	

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

General Chemistry (Continued)

Analysis Batch: 45379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2009-22 DU	DUP02	Total/NA	Water	300.0	
160-2009-22 MS - DL	DUP02	Total/NA	Water	300.0	
160-2009-22 MS	DUP02	Total/NA	Water	300.0	
LCS 160-45379/10	Lab Control Sample	Total/NA	Water	300.0	
MB 160-45379/9	Method Blank	Total/NA	Water	300.0	

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-2009-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	12DCE	TOL	DBFM
Lab Sample ID	Client Sample ID	(82-121)	(82-132)	(85-115)	(85-119)
160-2009-1	PZ-302-AI	94	100	99	105
160-2009-2	PZ-207-AS	96	104	95	109
160-2009-3	D-81	95	106	96	109
160-2009-4	LR-100	92	100	96	107
160-2009-5	LR-105	93	105	95	103
160-2009-5 - DL	LR-105	98	113	96	103
160-2009-6	LR-103	92	106	95	109
160-2009-7	FB@PZ-110-SS	101	97	99	95
160-2009-8	PZ-110-SS	94	104	98	107
160-2009-9	I-62	91	104	98	110
160-2009-10	S-8	91	102	96	107
160-2009-11	D-13	91	106	96	110
160-2009-12	PZ-304-AS	94	107	100	109
160-2009-13	PZ-303-AS	83	100	103	105
160-2009-14	D-12	97	109	103	108
160-2009-15	PZ-111-SD	88	103	96	105
160-2009-15 MS	PZ-111-SD	87	99	102	107
160-2009-15 MSD	PZ-111-SD	85	99	102	107
160-2009-16	PZ-304-AI	102	100	98	105
160-2009-17	I-11	99	103	100	105
160-2009-18	PZ-105-SS	99	109	96	105
160-2009-19	S-10	96	103	96	105
160-2009-20	LR-104	93	106	95	107
160-2009-21	DUP01	95	103	96	106
160-2009-22	DUP02	96	106	96	107
160-2009-23	TRIP BLANK	91	104	98	104
LCS 160-45286/4	Lab Control Sample	87	108	102	108
LCS 160-45293/4	Lab Control Sample	90	105	104	103
LCS 160-46058/4-A	Lab Control Sample	87	108	105	105
MB 160-45286/2	Method Blank	94	110	99	110
MB 160-45293/2	Method Blank	99	110	97	103
MB 160-46058/3-A	Method Blank	98	105	97	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)