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: 160-2027-1
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 11:56:38 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.

Table of Contents

Job ID: 160-2027-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: Engineering Management Support, Inc.

Project: West Lake Landfill

Report Number: 160-2027-1

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 04/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.
Revision 1- Modified the VOA list and removed non-applicable narratives.

VOLATILE ORGANIC COMPOUNDS (GC MS)

Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12), DUP 04 (160-2027-13) and TRIP BLANK (160-2027-14) were analyzed for volatile organic compounds (GC MS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/09/2013 and 04/10/2013.

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

Job ID: 160-2027-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

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

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.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

METALS (ICP)-Dissolved

Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12) and DUP 04 (160-2027-13) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/11/2013 and analyzed on 04/15/2013 and 04/16/2013.

Prep batch 45569, analytical batch 46208

Due to the high concentration of calcium and magnesium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 45569 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Prep batch 45569, analytical batch 46401

The following samples were diluted to bring the concentration of target analytes (calcium and magnesium) within the calibration range: (160-2027-1 MS), (160-2027-1 MSD), (160-2027-1 SD), DUP 03 (160-2027-12), DUP 04 (160-2027-13), I-66 (160-2027-10), I-67 (160-2027-7), MW-103 (160-2027-1), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), PZ-100-SS (160-2027-9), PZ-115-SS (160-2027-4), PZ-200-SS (160-2027-2), PZ-203-SS (160-2027-8), PZ-305-AI (160-2027-11), S-61 (160-2027-3). Elevated reporting limits (RLs) are provided.

No difficulties were encountered during the ICP analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12) and DUP 04 (160-2027-13) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/11/2013 and analyzed on 04/12/2013 and 04/15/2013.

Prep batch 45995, Analytical batch 45567

The following samples were diluted to bring the concentration of target analytes (calcium) within the calibration range: DUP 04 (160-2027-13), PZ-305-AI (160-2027-11). Elevated reporting limits (RLs) are provided.

Job ID: 160-2027-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

Prep batch 45567, Analytical batch 45942
The following samples were diluted due to the nature of the sample matrix. The sample digestates had sediment form in the bottom of the digestion tube and were slightly yellow in color: (160-2027-1 MS), (160-2027-1 MSD), (160-2027-1 SD), DUP 03 (160-2027-12), DUP 04 (160-2027-13), I-66 (160-2027-10), I-67 (160-2027-7), MW-103 (160-2027-1), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), PZ-100-SS (160-2027-9), PZ-115-SS (160-2027-4), PZ-200-SS (160-2027-2), PZ-203-SS (160-2027-8), PZ-305-AI (160-2027-11), S-61 (160-2027-3). Elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 45567 were outside control limits for aluminum and potassium. The RPD was within method limits indicating potential matrix interference. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)
Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12) and DUP 04 (160-2027-13) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/17/2013 and 04/18/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12) and DUP 04 (160-2027-13) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/17/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS
Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12) and DUP 04 (160-2027-13) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 04/09/2013.

The following samples were diluted to bring the concentrations of Chloride and Sulfate within the calibration range in batch 45380: DUP 03 (160-2027-12), DUP 04 (160-2027-13), I-66 (160-2027-10), I-67 (160-2027-7), MW-103 (160-2027-1), PZ-100-SS (160-2027-9), PZ-115-SS (160-2027-4), PZ-200-SS (160-2027-2), PZ-203-SS (160-2027-8), PZ-305-AI (160-2027-11), S-61 (160-2027-3). Elevated reporting limits (RLs) are provided

The following samples were received outside of 48 hour holding time for Nitrate in batch 45380: DUP 03 (160-2027-12), DUP 04 (160-2027-13), I-66 (160-2027-10), I-67 (160-2027-7), MW-103 (160-2027-1), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), PZ-100-SS (160-2027-9), PZ-115-SS (160-2027-4), PZ-200-SS (160-2027-2), PZ-203-SS (160-2027-8), PZ-305-AI (160-2027-11), S-61 (160-2027-3).

No difficulties were encountered during the anions analyses.

Job ID: 160-2027-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

All other quality control parameters were within the acceptance limits.

ALKALINITY

Samples MW-103 (160-2027-1), PZ-200-SS (160-2027-2), S-61 (160-2027-3), PZ-115-SS (160-2027-4), MW-104 (160-2027-5), PZ-100-SD (160-2027-6), I-67 (160-2027-7), PZ-203-SS (160-2027-8), PZ-100-SS (160-2027-9), I-66 (160-2027-10), PZ-305-AI (160-2027-11), DUP 03 (160-2027-12) and DUP 04 (160-2027-13) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 04/11/2013.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

Login Sample Receipt Checklist

Client: Engineering Management Support, Inc.

Job Number: 160-2027-1

Login Number: 2027

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.	N/A	
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?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	False	Refer to Job Narrative for details.
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
*	LCS or LCSD exceeds the control limits

Metals

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.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
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.
E	Result exceeded calibration range.

General Chemistry

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.
H	Sample was prepped or analyzed beyond the specified holding time
B	Compound was found in the blank and sample.
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.

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: 160-2027-1

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: 160-2027-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-2027-1	MW-103	Water	04/05/13 09:50	04/08/13 10:12
160-2027-2	PZ-200-SS	Water	04/05/13 11:10	04/08/13 10:12
160-2027-3	S-61	Water	04/05/13 11:18	04/08/13 10:12
160-2027-4	PZ-115-SS	Water	04/05/13 12:23	04/08/13 10:12
160-2027-5	MW-104	Water	04/05/13 12:56	04/08/13 10:12
160-2027-6	PZ-100-SD	Water	04/05/13 14:03	04/08/13 10:12
160-2027-7	I-67	Water	04/05/13 14:09	04/08/13 10:12
160-2027-8	PZ-203-SS	Water	04/05/13 14:58	04/08/13 10:12
160-2027-9	PZ-100-SS	Water	04/05/13 14:58	04/08/13 10:12
160-2027-10	I-66	Water	04/05/13 14:59	04/08/13 10:12
160-2027-11	PZ-305-AI	Water	04/05/13 15:58	04/08/13 10:12
160-2027-12	DUP 03	Water	04/05/13 00:00	04/08/13 10:12
160-2027-13	DUP 04	Water	04/05/13 00:00	04/08/13 10:12
160-2027-14	TRIP BLANK	Water	04/05/13 00:00	04/08/13 10:12

Detection Summary

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: MW-103 — Lab Sample ID: 160-2027-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.31	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	13000		1000	400	ug/L	5		6010C	Total/NA
Barium	320		250	20	ug/L	5		6010C	Total/NA
Calcium	160000		5000	530	ug/L	5		6010C	Total/NA
Chromium	20	J	50	16	ug/L	5		6010C	Total/NA
Iron	11000		500	140	ug/L	5		6010C	Total/NA
Lead	22	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	47000		5000	660	ug/L	5		6010C	Total/NA
Manganese	620		75	17	ug/L	5		6010C	Total/NA
Selenium	34	J	75	13	ug/L	5		6010C	Total/NA
Sodium	20000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	26	J	250	20	ug/L	5		6010C	Total/NA
Zinc	75	J	100	26	ug/L	5		6010C	Total/NA
Antimony	4.2	J B	10	4.0	ug/L	1		6010C	Dissolved
Arsenic	2.9	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	200		50	4.0	ug/L	1		6010C	Dissolved
Calcium	160000		5000	530	ug/L	5		6010C	Dissolved
Iron	210	B	100	28	ug/L	1		6010C	Dissolved
Lead	1.7	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	43000		1000	130	ug/L	1		6010C	Dissolved
Manganese	510		15	3.3	ug/L	1		6010C	Dissolved
Nickel	13	J	40	13	ug/L	1		6010C	Dissolved
Potassium	4800	J	5000	1700	ug/L	1		6010C	Dissolved
Selenium	12	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	20000		1000	320	ug/L	1		6010C	Dissolved
Vanadium	6.9	J	50	4.1	ug/L	1		6010C	Dissolved
Zinc	9.9	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.053	H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.17	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	480	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	29		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	68		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-200-SS — Lab Sample ID: 160-2027-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.38	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	660	J	1000	400	ug/L	5		6010C	Total/NA
Barium	980		250	20	ug/L	5		6010C	Total/NA
Calcium	220000		5000	530	ug/L	5		6010C	Total/NA
Iron	9100		500	140	ug/L	5		6010C	Total/NA
Lead	15	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	89000		5000	660	ug/L	5		6010C	Total/NA
Manganese	6200		75	17	ug/L	5		6010C	Total/NA
Sodium	18000		5000	1600	ug/L	5		6010C	Total/NA
Antimony	4.7	J B	10	4.0	ug/L	1		6010C	Dissolved
Barium	950		50	4.0	ug/L	1		6010C	Dissolved
Calcium	230000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	7.6	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	6000	B	100	28	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-200-SS (Continued) — Lab Sample ID: 160-2027-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.9	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	93000		5000	660	ug/L	5		6010C	Dissolved
Manganese	6500		15	3.3	ug/L	1		6010C	Dissolved
Nickel	15	J	40	13	ug/L	1		6010C	Dissolved
Potassium	2400	J	5000	1700	ug/L	1		6010C	Dissolved
Selenium	5.7	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	18000		1000	320	ug/L	1		6010C	Dissolved
Thallium	5.0	J	20	4.0	ug/L	1		6010C	Dissolved
Vanadium	6.2	J	50	4.1	ug/L	1		6010C	Dissolved
Zinc	7.9	J B	20	5.2	ug/L	1		6010C	Dissolved
Bromide	0.14	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	710	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	35		10	1.0	mg/L	20		300.0	Total/NA
Chloride - DL2	130		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: S-61 — Lab Sample ID: 160-2027-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.63	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
Tetrachloroethene	0.79	J	5.0	0.28	ug/L	1		8260C	Total/NA
Aluminum	700	J	1000	400	ug/L	5		6010C	Total/NA
Barium	220	J	250	20	ug/L	5		6010C	Total/NA
Calcium	160000		5000	530	ug/L	5		6010C	Total/NA
Iron	1500		500	140	ug/L	5		6010C	Total/NA
Lead	280		50	7.5	ug/L	5		6010C	Total/NA
Magnesium	32000		5000	660	ug/L	5		6010C	Total/NA
Manganese	670		75	17	ug/L	5		6010C	Total/NA
Sodium	7200		5000	1600	ug/L	5		6010C	Total/NA
Barium	200		50	4.0	ug/L	1		6010C	Dissolved
Calcium	160000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	5.8	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	430	B	100	28	ug/L	1		6010C	Dissolved
Lead	4.4	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	33000		1000	130	ug/L	1		6010C	Dissolved
Manganese	670		15	3.3	ug/L	1		6010C	Dissolved
Nickel	16	J	40	13	ug/L	1		6010C	Dissolved
Potassium	5300		5000	1700	ug/L	1		6010C	Dissolved
Sodium	7000		1000	320	ug/L	1		6010C	Dissolved
Vanadium	4.4	J	50	4.1	ug/L	1		6010C	Dissolved
Zinc	6.1	J B	20	5.2	ug/L	1		6010C	Dissolved
Alkalinity	440	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	7.2		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	73		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-115-SS — Lab Sample ID: 160-2027-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.34	J	5.0	0.30	ug/L	1		8260C	Total/NA
Barium	290		250	20	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-115-SS (Continued)

Lab Sample ID: 160-2027-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	170000		5000	530	ug/L	5		6010C	Total/NA
Iron	1700		500	140	ug/L	5		6010C	Total/NA
Magnesium	74000		5000	660	ug/L	5		6010C	Total/NA
Manganese	44	J	75	17	ug/L	5		6010C	Total/NA
Sodium	49000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	4.0	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	260		50	4.0	ug/L	1		6010C	Dissolved
Calcium	170000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	13	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	1200	B	100	28	ug/L	1		6010C	Dissolved
Lead	3.3	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	77000		5000	660	ug/L	5		6010C	Dissolved
Manganese	63		15	3.3	ug/L	1		6010C	Dissolved
Nickel	39	J	40	13	ug/L	1		6010C	Dissolved
Potassium	2600	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	50000		1000	320	ug/L	1		6010C	Dissolved
Zinc	7.6	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.0076	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	1.6		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	17		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.12	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	490	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL2	200		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: MW-104

Lab Sample ID: 160-2027-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.75	J	5.0	0.25	ug/L	1		8260C	Total/NA
Aluminum	6900		1000	400	ug/L	5		6010C	Total/NA
Arsenic	30	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	480		250	20	ug/L	5		6010C	Total/NA
Calcium	240000		5000	530	ug/L	5		6010C	Total/NA
Iron	26000		500	140	ug/L	5		6010C	Total/NA
Lead	27	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	79000		5000	660	ug/L	5		6010C	Total/NA
Manganese	3900		75	17	ug/L	5		6010C	Total/NA
Sodium	13000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	88	J	100	26	ug/L	5		6010C	Total/NA
Antimony	4.0	J B	10	4.0	ug/L	1		6010C	Dissolved
Arsenic	17		10	2.0	ug/L	1		6010C	Dissolved
Barium	370		50	4.0	ug/L	1		6010C	Dissolved
Calcium	230000		5000	530	ug/L	5		6010C	Dissolved
Iron	16000	B	100	28	ug/L	1		6010C	Dissolved
Lead	4.1	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	76000		5000	660	ug/L	5		6010C	Dissolved
Manganese	3700		15	3.3	ug/L	1		6010C	Dissolved
Potassium	4000	J	5000	1700	ug/L	1		6010C	Dissolved
Selenium	4.0	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	12000		1000	320	ug/L	1		6010C	Dissolved
Zinc	9.5	J B	20	5.2	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-104 (Continued) — Lab Sample ID: 160-2027-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.019	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Chloride	3.6		0.20	0.020	mg/L	1		300.0	Total/NA
Bromide	0.16	J	0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	8.4		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.11	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	910	B	5.0	0.54	mg/L	1		310.1	Total/NA

Client Sample ID: PZ-100-SD — Lab Sample ID: 160-2027-6

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
Barium	320		250	20	ug/L	5		6010C	Total/NA
Calcium	84000		5000	530	ug/L	5		6010C	Total/NA
Iron	1600		500	140	ug/L	5		6010C	Total/NA
Magnesium	36000		5000	660	ug/L	5		6010C	Total/NA
Manganese	70	J	75	17	ug/L	5		6010C	Total/NA
Sodium	5700		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	2.3	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	320		50	4.0	ug/L	1		6010C	Dissolved
Calcium	85000		5000	530	ug/L	5		6010C	Dissolved
Iron	1100	B	100	28	ug/L	1		6010C	Dissolved
Lead	2.3	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	36000		1000	130	ug/L	1		6010C	Dissolved
Manganese	72		15	3.3	ug/L	1		6010C	Dissolved
Potassium	2200	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	5900		1000	320	ug/L	1		6010C	Dissolved
Zinc	5.3	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.017	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Chloride	1.7		0.20	0.020	mg/L	1		300.0	Total/NA
Sulfate	10		0.50	0.050	mg/L	1		300.0	Total/NA
Alkalinity	360	B	5.0	0.54	mg/L	1		310.1	Total/NA

Client Sample ID: I-67 — Lab Sample ID: 160-2027-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	950	J	1000	400	ug/L	5		6010C	Total/NA
Barium	250		250	20	ug/L	5		6010C	Total/NA
Calcium	240000		5000	530	ug/L	5		6010C	Total/NA
Iron	5100		500	140	ug/L	5		6010C	Total/NA
Magnesium	35000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1200		75	17	ug/L	5		6010C	Total/NA
Potassium	10000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	63000		5000	1600	ug/L	5		6010C	Total/NA
Barium	250		50	4.0	ug/L	1		6010C	Dissolved
Calcium	240000		5000	530	ug/L	5		6010C	Dissolved
Iron	4400	B	100	28	ug/L	1		6010C	Dissolved
Lead	2.4	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	35000		1000	130	ug/L	1		6010C	Dissolved
Manganese	1200		15	3.3	ug/L	1		6010C	Dissolved
Potassium	10000		5000	1700	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: I-67 (Continued) — Lab Sample ID: 160-2027-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	64000		1000	320	ug/L	1		6010C	Dissolved
Zinc	11	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.0062	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.11	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	620	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	63		10	1.0	mg/L	20		300.0	Total/NA
Chloride - DL2	130		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: PZ-203-SS — Lab Sample ID: 160-2027-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.31	J	5.0	0.30	ug/L	1		8260C	Total/NA
Barium	94	J	250	20	ug/L	5		6010C	Total/NA
Calcium	100000		5000	530	ug/L	5		6010C	Total/NA
Iron	250	J	500	140	ug/L	5		6010C	Total/NA
Lead	10	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	41000		5000	660	ug/L	5		6010C	Total/NA
Manganese	24	J	75	17	ug/L	5		6010C	Total/NA
Sodium	7900		5000	1600	ug/L	5		6010C	Total/NA
Antimony	4.2	J B	10	4.0	ug/L	1		6010C	Dissolved
Barium	90		50	4.0	ug/L	1		6010C	Dissolved
Calcium	100000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	5.0	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	210	B	100	28	ug/L	1		6010C	Dissolved
Magnesium	43000		1000	130	ug/L	1		6010C	Dissolved
Manganese	25		15	3.3	ug/L	1		6010C	Dissolved
Potassium	2500	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	8000		1000	320	ug/L	1		6010C	Dissolved
Zinc	5.4	J B	20	5.2	ug/L	1		6010C	Dissolved
Chloride	4.5		0.20	0.020	mg/L	1		300.0	Total/NA
Alkalinity	380	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	42		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-100-SS — Lab Sample ID: 160-2027-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.30	J	5.0	0.30	ug/L	1		8260C	Total/NA
Barium	70	J	250	20	ug/L	5		6010C	Total/NA
Calcium	100000		5000	530	ug/L	5		6010C	Total/NA
Magnesium	55000		5000	660	ug/L	5		6010C	Total/NA
Sodium	14000		5000	1600	ug/L	5		6010C	Total/NA
Barium	65		50	4.0	ug/L	1		6010C	Dissolved
Calcium	100000		5000	530	ug/L	5		6010C	Dissolved
Lead	2.0	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	52000		5000	660	ug/L	5		6010C	Dissolved
Nickel	20	J	40	13	ug/L	1		6010C	Dissolved
Potassium	2600	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	13000		1000	320	ug/L	1		6010C	Dissolved
Zinc	12	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.088	H	0.020	0.0040	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-100-SS (Continued) — Lab Sample ID: 160-2027-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.1		0.20	0.020	mg/L	1		300.0	Total/NA
Alkalinity	430	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	44		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: I-66 — Lab Sample ID: 160-2027-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.32	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	500	J	1000	400	ug/L	5		6010C	Total/NA
Barium	170	J	250	20	ug/L	5		6010C	Total/NA
Calcium	180000		5000	530	ug/L	5		6010C	Total/NA
Iron	4100		500	140	ug/L	5		6010C	Total/NA
Magnesium	19000		5000	660	ug/L	5		6010C	Total/NA
Manganese	5000		75	17	ug/L	5		6010C	Total/NA
Sodium	45000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	4.8	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	140		50	4.0	ug/L	1		6010C	Dissolved
Calcium	180000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	7.3	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	2100	B	100	28	ug/L	1		6010C	Dissolved
Lead	3.6	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	17000		1000	130	ug/L	1		6010C	Dissolved
Manganese	4700		15	3.3	ug/L	1		6010C	Dissolved
Nickel	14	J	40	13	ug/L	1		6010C	Dissolved
Potassium	5100		5000	1700	ug/L	1		6010C	Dissolved
Selenium	2.9	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	43000		1000	320	ug/L	1		6010C	Dissolved
Zinc	7.1	J B	20	5.2	ug/L	1		6010C	Dissolved
Alkalinity	330	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	80		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	130		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-305-AI — Lab Sample ID: 160-2027-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	3.9	J	5.0	0.38	ug/L	1		8260C	Total/NA
Ethylbenzene	0.41	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	6500		1000	400	ug/L	5		6010C	Total/NA
Arsenic	11	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	820		250	20	ug/L	5		6010C	Total/NA
Calcium	280000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	290000		10000	1100	ug/L	10		6010C	Total/NA
Iron	42000		500	140	ug/L	5		6010C	Total/NA
Lead	19	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	78000		5000	660	ug/L	5		6010C	Total/NA
Manganese	3200		75	17	ug/L	5		6010C	Total/NA
Potassium	9100	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	19000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	59	J	100	26	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-305-AI (Continued)

Lab Sample ID: 160-2027-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	4.3	J B	10	4.0	ug/L	1		6010C	Dissolved
Arsenic	14		10	2.0	ug/L	1		6010C	Dissolved
Barium	700		50	4.0	ug/L	1		6010C	Dissolved
Calcium	290000		10000	1100	ug/L	10		6010C	Dissolved
Iron	34000	B	100	28	ug/L	1		6010C	Dissolved
Lead	4.8	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	78000		10000	1300	ug/L	10		6010C	Dissolved
Manganese	3100		15	3.3	ug/L	1		6010C	Dissolved
Potassium	7100		5000	1700	ug/L	1		6010C	Dissolved
Sodium	19000		1000	320	ug/L	1		6010C	Dissolved
Vanadium	5.6	J	50	4.1	ug/L	1		6010C	Dissolved
Zinc	12	J B	20	5.2	ug/L	1		6010C	Dissolved
Bromide	0.60		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	1.8		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.37	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	980	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	66		4.0	0.40	mg/L	20		300.0	Total/NA

Client Sample ID: DUP 03

Lab Sample ID: 160-2027-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.38	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	820	J	1000	400	ug/L	5		6010C	Total/NA
Barium	260		250	20	ug/L	5		6010C	Total/NA
Calcium	240000		5000	530	ug/L	5		6010C	Total/NA
Iron	5100		500	140	ug/L	5		6010C	Total/NA
Magnesium	35000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1200		75	17	ug/L	5		6010C	Total/NA
Potassium	10000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	63000		5000	1600	ug/L	5		6010C	Total/NA
Arsenic	2.7	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	250		50	4.0	ug/L	1		6010C	Dissolved
Calcium	250000		10000	1100	ug/L	10		6010C	Dissolved
Iron	4800	B	100	28	ug/L	1		6010C	Dissolved
Lead	2.5	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	36000		1000	130	ug/L	1		6010C	Dissolved
Manganese	1200		15	3.3	ug/L	1		6010C	Dissolved
Potassium	9900		5000	1700	ug/L	1		6010C	Dissolved
Sodium	63000		1000	320	ug/L	1		6010C	Dissolved
Nitrate as N	0.16	H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.097	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	610	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	62		10	1.0	mg/L	20		300.0	Total/NA
Chloride - DL2	130		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: DUP 04

Lab Sample ID: 160-2027-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	3.9	J	5.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP 04 (Continued)

Lab Sample ID: 160-2027-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.31	J	5.0	0.30	ug/L	1		8260C	Total/NA
Aluminum	9800		1000	400	ug/L	5		6010C	Total/NA
Arsenic	17	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	930		250	20	ug/L	5		6010C	Total/NA
Calcium	280000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	300000		10000	1100	ug/L	10		6010C	Total/NA
Chromium	23	J	50	16	ug/L	5		6010C	Total/NA
Copper	23	J	130	23	ug/L	5		6010C	Total/NA
Iron	45000		500	140	ug/L	5		6010C	Total/NA
Lead	27	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	80000		5000	660	ug/L	5		6010C	Total/NA
Manganese	3300		75	17	ug/L	5		6010C	Total/NA
Potassium	10000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	19000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	34	J	250	20	ug/L	5		6010C	Total/NA
Zinc	93	J	100	26	ug/L	5		6010C	Total/NA
Antimony	5.4	J B	10	4.0	ug/L	1		6010C	Dissolved
Arsenic	16		10	2.0	ug/L	1		6010C	Dissolved
Barium	690		50	4.0	ug/L	1		6010C	Dissolved
Calcium	290000		10000	1100	ug/L	10		6010C	Dissolved
Cobalt	4.1	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	34000	B	100	28	ug/L	1		6010C	Dissolved
Lead	5.2	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	77000		10000	1300	ug/L	10		6010C	Dissolved
Manganese	3100		15	3.3	ug/L	1		6010C	Dissolved
Potassium	7200		5000	1700	ug/L	1		6010C	Dissolved
Sodium	19000		1000	320	ug/L	1		6010C	Dissolved
Vanadium	4.3	J	50	4.1	ug/L	1		6010C	Dissolved
Zinc	8.7	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.0059	J H	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.58		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	1.8		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.41	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	950	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	65		4.0	0.40	mg/L	20		300.0	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 160-2027-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.31	J	5.0	0.30	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: MW-103
Date Collected: 04/05/13 09:50
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-1
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			04/09/13 12:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 12:55	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 12:55	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 12:55	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 12:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 12:55	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 12:55	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 12:55	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 12:55	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 12:55	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 12:55	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 12:55	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 12:55	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 12:55	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 12:55	1
Acetone	ND		20	6.7	ug/L			04/09/13 12:55	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 12:55	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 12:55	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 12:55	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 12:55	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 12:55	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 12:55	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 12:55	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 12:55	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 12:55	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 12:55	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 12:55	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 12:55	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 12:55	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 12:55	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 12:55	1
Ethylbenzene	**0.31**	**J**	5.0	0.30	ug/L			04/09/13 12:55	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 12:55	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 12:55	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 12:55	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 12:55	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 12:55	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 12:55	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 12:55	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 12:55	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 12:55	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 12:55	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 12:55	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 12:55	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 12:55	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 12:55	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 12:55	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 12:55	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: MW-103
Date Collected: 04/05/13 09:50
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/09/13 12:55*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/09/13 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/09/13 12:55*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/09/13 12:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		1000	400	ug/L		04/11/13 13:28	04/12/13 19:08	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:08	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:08	5
Barium	**320**		250	20	ug/L		04/11/13 13:28	04/12/13 19:08	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:08	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:08	5
Calcium	**160000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:08	5
Chromium	**20**	**J**	50	16	ug/L		04/11/13 13:28	04/12/13 19:08	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:08	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:08	5
Iron	**11000**		500	140	ug/L		04/11/13 13:28	04/12/13 19:08	5
Lead	**22**	**J**	50	7.5	ug/L		04/11/13 13:28	04/12/13 19:08	5
Magnesium	**47000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:08	5
Manganese	**620**		75	17	ug/L		04/11/13 13:28	04/12/13 19:08	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:08	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:08	5
Selenium	**34**	**J**	75	13	ug/L		04/11/13 13:28	04/12/13 19:08	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:08	5
Sodium	**20000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:08	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:08	5
Vanadium	**26**	**J**	250	20	ug/L		04/11/13 13:28	04/12/13 19:08	5
Zinc	**75**	**J**	100	26	ug/L		04/11/13 13:28	04/12/13 19:08	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 15:36	1
Antimony	**4.2**	**J B**	10	4.0	ug/L		04/11/13 13:30	04/15/13 15:36	1
Arsenic	**2.9**	**J**	10	2.0	ug/L		04/11/13 13:30	04/15/13 15:36	1
Barium	**200**		50	4.0	ug/L		04/11/13 13:30	04/15/13 15:36	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 15:36	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 15:36	1
Calcium	**160000**		5000	530	ug/L		04/11/13 13:30	04/16/13 14:33	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 15:36	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 15:36	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 15:36	1
Iron	**210**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 15:36	1
Lead	**1.7**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 15:36	1
Magnesium	**43000**		1000	130	ug/L		04/11/13 13:30	04/15/13 15:36	1
Manganese	**510**		15	3.3	ug/L		04/11/13 13:30	04/15/13 15:36	1
Nickel	**13**	**J**	40	13	ug/L		04/11/13 13:30	04/15/13 15:36	1
Potassium	**4800**	**J**	5000	1700	ug/L		04/11/13 13:30	04/15/13 15:36	1
Selenium	**12**	**J**	15	2.7	ug/L		04/11/13 13:30	04/15/13 15:36	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 15:36	1

Client Sample ID: MW-103 — **Lab Sample ID: 160-2027-1**
Date Collected: 04/05/13 09:50 — **Matrix: Water**
Date Received: 04/08/13 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	20000		1000	320	ug/L		04/11/13 13:30	04/15/13 15:36	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 15:36	1
Vanadium	6.9	J	50	4.1	ug/L		04/11/13 13:30	04/15/13 15:36	1
Zinc	9.9	J B	20	5.2	ug/L		04/11/13 13:30	04/15/13 15:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:06	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		04/17/13 09:59	04/17/13 16:44	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.053	H	0.020	0.0040	mg/L			04/09/13 01:08	1
Bromide	0.17	J	0.25	0.025	mg/L			04/09/13 01:08	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 04:24	1
Alkalinity	480	B	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		4.0	0.40	mg/L			04/09/13 01:26	20
Sulfate	68		10	1.0	mg/L			04/09/13 01:26	20

Client Sample ID: PZ-200-SS — **Lab Sample ID: 160-2027-2**
Date Collected: 04/05/13 11:10 — **Matrix: Water**
Date Received: 04/08/13 10:12

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 15:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 15:00	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 15:00	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 15:00	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 15:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 15:00	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 15:00	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 15:00	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 15:00	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 15:00	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 15:00	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 15:00	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 15:00	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 15:00	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 15:00	1
Acetone	ND		20	6.7	ug/L			04/09/13 15:00	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 15:00	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 15:00	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-200-SS
Date Collected: 04/05/13 11:10
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.37	ug/L			04/09/13 15:00	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 15:00	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 15:00	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 15:00	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 15:00	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 15:00	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 15:00	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 15:00	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 15:00	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 15:00	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 15:00	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 15:00	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 15:00	1
Ethylbenzene	**0.38**	**J**	5.0	0.30	ug/L			04/09/13 15:00	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 15:00	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 15:00	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 15:00	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 15:00	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 15:00	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 15:00	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 15:00	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 15:00	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 15:00	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 15:00	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 15:00	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 15:00	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 15:00	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 15:00	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 15:00	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*82 - 121*		*04/09/13 15:00*	*1*
Dibromofluoromethane (Surr)	*102*		*85 - 119*		*04/09/13 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/09/13 15:00*	*1*
Toluene-d8 (Surr)	*94*		*85 - 115*		*04/09/13 15:00*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**660**	**J**	1000	400	ug/L		04/11/13 13:28	04/12/13 19:23	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:23	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:23	5
Barium	**980**		250	20	ug/L		04/11/13 13:28	04/12/13 19:23	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:23	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:23	5
Calcium	**220000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:23	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:23	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:23	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:23	5
Iron	**9100**		500	140	ug/L		04/11/13 13:28	04/12/13 19:23	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-200-SS
Date Collected: 04/05/13 11:10
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15	J	50	7.5	ug/L		04/11/13 13:28	04/12/13 19:23	5
Magnesium	89000		5000	660	ug/L		04/11/13 13:28	04/12/13 19:23	5
Manganese	6200		75	17	ug/L		04/11/13 13:28	04/12/13 19:23	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:23	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:23	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:23	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:23	5
Sodium	18000		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:23	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:23	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:23	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:23	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 15:57	1
Antimony	4.7	J B	10	4.0	ug/L		04/11/13 13:30	04/15/13 15:57	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:30	04/15/13 15:57	1
Barium	950		50	4.0	ug/L		04/11/13 13:30	04/15/13 15:57	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 15:57	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 15:57	1
Calcium	230000		5000	530	ug/L		04/11/13 13:30	04/16/13 14:48	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 15:57	1
Cobalt	7.6	J	50	4.0	ug/L		04/11/13 13:30	04/15/13 15:57	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 15:57	1
Iron	6000	B	100	28	ug/L		04/11/13 13:30	04/15/13 15:57	1
Lead	4.9	J	10	1.5	ug/L		04/11/13 13:30	04/15/13 15:57	1
Magnesium	93000		5000	660	ug/L		04/11/13 13:30	04/16/13 14:48	5
Manganese	6500		15	3.3	ug/L		04/11/13 13:30	04/15/13 15:57	1
Nickel	15	J	40	13	ug/L		04/11/13 13:30	04/15/13 15:57	1
Potassium	2400	J	5000	1700	ug/L		04/11/13 13:30	04/15/13 15:57	1
Selenium	5.7	J	15	2.7	ug/L		04/11/13 13:30	04/15/13 15:57	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 15:57	1
Sodium	18000		1000	320	ug/L		04/11/13 13:30	04/15/13 15:57	1
Thallium	5.0	J	20	4.0	ug/L		04/11/13 13:30	04/15/13 15:57	1
Vanadium	6.2	J	50	4.1	ug/L		04/11/13 13:30	04/15/13 15:57	1
Zinc	7.9	J B	20	5.2	ug/L		04/11/13 13:30	04/15/13 15:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:08	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		04/17/13 09:59	04/17/13 16:46	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 15:53	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			04/09/13 02:56	1
Bromide	0.14	J	0.25	0.025	mg/L			04/09/13 02:56	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-200-SS

Lab Sample ID: 160-2027-2

Date Collected: 04/05/13 11:10

Matrix: Water

Date Received: 04/08/13 10:12

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 04:38	1
Alkalinity	**710**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**35**		10	1.0	mg/L			04/09/13 03:13	20

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		20	2.0	mg/L			04/09/13 04:07	100

Client Sample ID: S-61

Lab Sample ID: 160-2027-3

Date Collected: 04/05/13 11:18

Matrix: Water

Date Received: 04/08/13 10:12

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 15:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 15:25	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 15:25	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 15:25	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 15:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 15:25	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 15:25	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 15:25	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 15:25	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 15:25	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 15:25	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 15:25	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 15:25	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 15:25	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 15:25	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 15:25	1
Acetone	ND		20	6.7	ug/L			04/09/13 15:25	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 15:25	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 15:25	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 15:25	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 15:25	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 15:25	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 15:25	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 15:25	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 15:25	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 15:25	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 15:25	1
cis-1,2-Dichloroethene	**0.63**	**J**	5.0	0.16	ug/L			04/09/13 15:25	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 15:25	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 15:25	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 15:25	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 15:25	1
Ethylbenzene	**0.37**	**J**	5.0	0.30	ug/L			04/09/13 15:25	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: S-61
Date Collected: 04/05/13 11:18
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 15:25	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 15:25	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 15:25	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 15:25	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 15:25	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 15:25	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 15:25	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 15:25	1
Tetrachloroethene	**0.79**	**J**	5.0	0.28	ug/L			04/09/13 15:25	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 15:25	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 15:25	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 15:25	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 15:25	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 15:25	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 15:25	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/09/13 15:25*	*1*
Dibromofluoromethane (Surr)	*108*		*85 - 119*		*04/09/13 15:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*82 - 132*		*04/09/13 15:25*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/09/13 15:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**700**	**J**	1000	400	ug/L		04/11/13 13:28	04/12/13 19:26	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:26	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:26	5
Barium	**220**	**J**	250	20	ug/L		04/11/13 13:28	04/12/13 19:26	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:26	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:26	5
Calcium	**160000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:26	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:26	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:26	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:26	5
Iron	**1500**		500	140	ug/L		04/11/13 13:28	04/12/13 19:26	5
Lead	**280**		50	7.5	ug/L		04/11/13 13:28	04/12/13 19:26	5
Magnesium	**32000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:26	5
Manganese	**670**		75	17	ug/L		04/11/13 13:28	04/12/13 19:26	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:26	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:26	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:26	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:26	5
Sodium	**7200**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:26	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:26	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:26	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:26	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: S-61

Lab Sample ID: 160-2027-3

Date Collected: 04/05/13 11:18

Matrix: Water

Date Received: 04/08/13 10:12

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:01	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:01	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:01	1
Barium	**200**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:01	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:01	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:01	1
Calcium	**160000**		5000	530	ug/L		04/11/13 13:30	04/16/13 14:51	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:01	1
Cobalt	**5.8**	**J**	50	4.0	ug/L		04/11/13 13:30	04/15/13 16:01	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:01	1
Iron	**430**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:01	1
Lead	**4.4**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:01	1
Magnesium	**33000**		1000	130	ug/L		04/11/13 13:30	04/15/13 16:01	1
Manganese	**670**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:01	1
Nickel	**16**	**J**	40	13	ug/L		04/11/13 13:30	04/15/13 16:01	1
Potassium	**5300**		5000	1700	ug/L		04/11/13 13:30	04/15/13 16:01	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:01	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:01	1
Sodium	**7000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:01	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:01	1
Vanadium	**4.4**	**J**	50	4.1	ug/L		04/11/13 13:30	04/15/13 16:01	1
Zinc	**6.1**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:15	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		04/17/13 09:59	04/17/13 16:53	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 15:55	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			04/09/13 04:25	1
Bromide	ND		0.25	0.025	mg/L			04/09/13 04:25	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 04:52	1
Alkalinity	**440**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.2**		4.0	0.40	mg/L			04/09/13 04:43	20
Sulfate	**73**		10	1.0	mg/L			04/09/13 04:43	20

Client Sample ID: PZ-115-SS

Lab Sample ID: 160-2027-4

Date Collected: 04/05/13 12:23

Matrix: Water

Date Received: 04/08/13 10:12

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 16:39	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-115-SS
Date Collected: 04/05/13 12:23
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-4
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			04/09/13 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 16:39	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 16:39	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 16:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 16:39	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 16:39	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 16:39	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 16:39	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 16:39	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 16:39	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 16:39	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 16:39	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 16:39	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 16:39	1
Acetone	ND		20	6.7	ug/L			04/09/13 16:39	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 16:39	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 16:39	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 16:39	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 16:39	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 16:39	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 16:39	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 16:39	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 16:39	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 16:39	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 16:39	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 16:39	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 16:39	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 16:39	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 16:39	1
Ethylbenzene	**0.34**	**J**	5.0	0.30	ug/L			04/09/13 16:39	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 16:39	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 16:39	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 16:39	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 16:39	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 16:39	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 16:39	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 16:39	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 16:39	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 16:39	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 16:39	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 16:39	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 16:39	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 16:39	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 16:39	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 16:39	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-115-SS
Date Collected: 04/05/13 12:23
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*82 - 121*		*04/09/13 16:39*	*1*
Dibromofluoromethane (Surr)	*97*		*85 - 119*		*04/09/13 16:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*82 - 132*		*04/09/13 16:39*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/09/13 16:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/11/13 13:28	04/12/13 19:30	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:30	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:30	5
Barium	**290**		250	20	ug/L		04/11/13 13:28	04/12/13 19:30	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:30	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:30	5
Calcium	**170000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:30	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:30	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:30	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:30	5
Iron	**1700**		500	140	ug/L		04/11/13 13:28	04/12/13 19:30	5
Lead	ND		50	7.5	ug/L		04/11/13 13:28	04/12/13 19:30	5
Magnesium	**74000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:30	5
Manganese	**44**	**J**	75	17	ug/L		04/11/13 13:28	04/12/13 19:30	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:30	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:30	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:30	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:30	5
Sodium	**49000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:30	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:30	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:30	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:30	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:04	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:04	1
Arsenic	**4.0**	**J**	10	2.0	ug/L		04/11/13 13:30	04/15/13 16:04	1
Barium	**260**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:04	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:04	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:04	1
Calcium	**170000**		5000	530	ug/L		04/11/13 13:30	04/16/13 14:55	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:04	1
Cobalt	**13**	**J**	50	4.0	ug/L		04/11/13 13:30	04/15/13 16:04	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:04	1
Iron	**1200**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:04	1
Lead	**3.3**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:04	1
Magnesium	**77000**		5000	660	ug/L		04/11/13 13:30	04/16/13 14:55	5
Manganese	**63**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:04	1
Nickel	**39**	**J**	40	13	ug/L		04/11/13 13:30	04/15/13 16:04	1
Potassium	**2600**	**J**	5000	1700	ug/L		04/11/13 13:30	04/15/13 16:04	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:04	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:04	1

Client Sample ID: PZ-115-SS

Lab Sample ID: 160-2027-4

Date Collected: 04/05/13 12:23

Matrix: Water

Date Received: 04/08/13 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**50000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:04	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:04	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:04	1
Zinc	**7.6**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:21	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		04/17/13 09:59	04/17/13 16:55	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0076**	**J H**	0.020	0.0040	mg/L			04/09/13 05:01	1
Bromide	**1.6**		0.25	0.025	mg/L			04/09/13 05:01	1
Sulfate	**17**		0.50	0.050	mg/L			04/09/13 05:01	1
Iodide	**0.12**	**J**	1.0	0.10	mg/L			04/09/13 05:07	1
Alkalinity	**490**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		20	2.0	mg/L			04/09/13 05:37	100

Client Sample ID: MW-104

Lab Sample ID: 160-2027-5

Date Collected: 04/05/13 12:56

Matrix: Water

Date Received: 04/08/13 10:12

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 17:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 17:04	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 17:04	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 17:04	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 17:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 17:04	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 17:04	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 17:04	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 17:04	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 17:04	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 17:04	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 17:04	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 17:04	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 17:04	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 17:04	1
Acetone	ND		20	6.7	ug/L			04/09/13 17:04	1
Benzene	**0.75**	**J**	5.0	0.25	ug/L			04/09/13 17:04	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 17:04	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: MW-104
Date Collected: 04/05/13 12:56
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.37	ug/L			04/09/13 17:04	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 17:04	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 17:04	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 17:04	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 17:04	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 17:04	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 17:04	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 17:04	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 17:04	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 17:04	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 17:04	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 17:04	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 17:04	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/09/13 17:04	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 17:04	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 17:04	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 17:04	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 17:04	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 17:04	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 17:04	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 17:04	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 17:04	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 17:04	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 17:04	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 17:04	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 17:04	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 17:04	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 17:04	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 17:04	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*82 - 121*		*04/09/13 17:04*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/09/13 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*82 - 132*		*04/09/13 17:04*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/09/13 17:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		1000	400	ug/L		04/11/13 13:28	04/12/13 19:34	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:34	5
Arsenic	**30**	**J**	50	9.9	ug/L		04/11/13 13:28	04/12/13 19:34	5
Barium	**480**		250	20	ug/L		04/11/13 13:28	04/12/13 19:34	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:34	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:34	5
Calcium	**240000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:34	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:34	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:34	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:34	5
Iron	**26000**		500	140	ug/L		04/11/13 13:28	04/12/13 19:34	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: MW-104
Date Collected: 04/05/13 12:56
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27	J	50	7.5	ug/L		04/11/13 13:28	04/12/13 19:34	5
Magnesium	79000		5000	660	ug/L		04/11/13 13:28	04/12/13 19:34	5
Manganese	3900		75	17	ug/L		04/11/13 13:28	04/12/13 19:34	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:34	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:34	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:34	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:34	5
Sodium	13000		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:34	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:34	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:34	5
Zinc	88	J	100	26	ug/L		04/11/13 13:28	04/12/13 19:34	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:08	1
Antimony	4.0	J B	10	4.0	ug/L		04/11/13 13:30	04/15/13 16:08	1
Arsenic	17		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:08	1
Barium	370		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:08	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:08	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:08	1
Calcium	230000		5000	530	ug/L		04/11/13 13:30	04/16/13 14:59	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:08	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:08	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:08	1
Iron	16000	B	100	28	ug/L		04/11/13 13:30	04/15/13 16:08	1
Lead	4.1	J	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:08	1
Magnesium	76000		5000	660	ug/L		04/11/13 13:30	04/16/13 14:59	5
Manganese	3700		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:08	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:08	1
Potassium	4000	J	5000	1700	ug/L		04/11/13 13:30	04/15/13 16:08	1
Selenium	4.0	J	15	2.7	ug/L		04/11/13 13:30	04/15/13 16:08	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:08	1
Sodium	12000		1000	320	ug/L		04/11/13 13:30	04/15/13 16:08	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:08	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:08	1
Zinc	9.5	J B	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:23	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		04/17/13 09:59	04/17/13 16:56	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.019	J H	0.020	0.0040	mg/L			04/09/13 05:55	1
Chloride	3.6		0.20	0.020	mg/L			04/09/13 05:55	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: MW-104 — **Lab Sample ID: 160-2027-5**
Date Collected: 04/05/13 12:56 — **Matrix: Water**
Date Received: 04/08/13 10:12

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.16	J	0.25	0.025	mg/L			04/09/13 05:55	1
Sulfate	8.4		0.50	0.050	mg/L			04/09/13 05:55	1
Iodide	0.11	J	1.0	0.10	mg/L			04/09/13 05:21	1
Alkalinity	910	B	5.0	0.54	mg/L			04/11/13 10:12	1

Client Sample ID: PZ-100-SD — **Lab Sample ID: 160-2027-6**
Date Collected: 04/05/13 14:03 — **Matrix: Water**
Date Received: 04/08/13 10:12

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 17:29	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 17:29	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 17:29	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 17:29	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 17:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 17:29	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 17:29	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 17:29	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 17:29	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 17:29	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 17:29	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 17:29	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 17:29	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 17:29	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 17:29	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 17:29	1
Acetone	ND		20	6.7	ug/L			04/09/13 17:29	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 17:29	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 17:29	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 17:29	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 17:29	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 17:29	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 17:29	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 17:29	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 17:29	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 17:29	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 17:29	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 17:29	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 17:29	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 17:29	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 17:29	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 17:29	1
Ethylbenzene	0.33	J	5.0	0.30	ug/L			04/09/13 17:29	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 17:29	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 17:29	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 17:29	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 17:29	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 17:29	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 17:29	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-100-SD
Date Collected: 04/05/13 14:03
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-6
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			04/09/13 17:29	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 17:29	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 17:29	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 17:29	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 17:29	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 17:29	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 17:29	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 17:29	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 17:29	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*82 - 121*		*04/09/13 17:29*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/09/13 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*82 - 132*		*04/09/13 17:29*	*1*
Toluene-d8 (Surr)	*94*		*85 - 115*		*04/09/13 17:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/11/13 13:28	04/12/13 19:38	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:38	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:38	5
Barium	**320**		250	20	ug/L		04/11/13 13:28	04/12/13 19:38	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:38	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:38	5
Calcium	**84000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:38	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:38	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:38	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:38	5
Iron	**1600**		500	140	ug/L		04/11/13 13:28	04/12/13 19:38	5
Lead	ND		50	7.5	ug/L		04/11/13 13:28	04/12/13 19:38	5
Magnesium	**36000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:38	5
Manganese	**70**	**J**	75	17	ug/L		04/11/13 13:28	04/12/13 19:38	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:38	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:38	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:38	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:38	5
Sodium	**5700**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:38	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:38	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:38	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:38	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:12	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:12	1
Arsenic	**2.3**	**J**	10	2.0	ug/L		04/11/13 13:30	04/15/13 16:12	1
Barium	**320**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:12	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:12	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:12	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-100-SD

Lab Sample ID: 160-2027-6

Date Collected: 04/05/13 14:03

Matrix: Water

Date Received: 04/08/13 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	85000		5000	530	ug/L		04/11/13 13:30	04/16/13 15:03	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:12	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:12	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:12	1
Iron	1100	B	100	28	ug/L		04/11/13 13:30	04/15/13 16:12	1
Lead	2.3	J	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:12	1
Magnesium	36000		1000	130	ug/L		04/11/13 13:30	04/15/13 16:12	1
Manganese	72		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:12	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:12	1
Potassium	2200	J	5000	1700	ug/L		04/11/13 13:30	04/15/13 16:12	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:12	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:12	1
Sodium	5900		1000	320	ug/L		04/11/13 13:30	04/15/13 16:12	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:12	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:12	1
Zinc	5.3	J B	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:24	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		04/17/13 09:59	04/17/13 17:02	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.017	J H	0.020	0.0040	mg/L			04/09/13 07:24	1
Chloride	1.7		0.20	0.020	mg/L			04/09/13 07:24	1
Bromide	ND		0.25	0.025	mg/L			04/09/13 07:24	1
Sulfate	10		0.50	0.050	mg/L			04/09/13 07:24	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 05:36	1
Alkalinity	360	B	5.0	0.54	mg/L			04/11/13 10:12	1

Client Sample ID: I-67

Lab Sample ID: 160-2027-7

Date Collected: 04/05/13 14:09

Matrix: Water

Date Received: 04/08/13 10:12

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 17:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 17:55	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 17:55	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 17:55	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 17:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 17:55	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 17:55	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 17:55	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 17:55	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: I-67
Date Collected: 04/05/13 14:09
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 17:55	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 17:55	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 17:55	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 17:55	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 17:55	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 17:55	1
Acetone	ND		20	6.7	ug/L			04/09/13 17:55	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 17:55	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 17:55	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 17:55	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 17:55	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 17:55	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 17:55	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 17:55	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 17:55	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 17:55	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 17:55	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 17:55	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 17:55	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 17:55	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 17:55	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 17:55	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/09/13 17:55	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 17:55	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 17:55	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 17:55	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 17:55	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 17:55	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 17:55	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 17:55	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 17:55	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 17:55	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 17:55	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 17:55	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 17:55	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 17:55	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 17:55	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 17:55	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*82 - 121*		*04/09/13 17:55*	*1*
Dibromofluoromethane (Surr)	*106*		*85 - 119*		*04/09/13 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/09/13 17:55*	*1*
Toluene-d8 (Surr)	*98*		*85 - 115*		*04/09/13 17:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**950**	**J**	1000	400	ug/L		04/11/13 13:28	04/12/13 19:41	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: I-67
Date Collected: 04/05/13 14:09
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:41	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:41	5
Barium	**250**		250	20	ug/L		04/11/13 13:28	04/12/13 19:41	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:41	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:41	5
Calcium	**240000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:41	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:41	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:41	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:41	5
Iron	**5100**		500	140	ug/L		04/11/13 13:28	04/12/13 19:41	5
Lead	ND		50	7.5	ug/L		04/11/13 13:28	04/12/13 19:41	5
Magnesium	**35000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:41	5
Manganese	**1200**		75	17	ug/L		04/11/13 13:28	04/12/13 19:41	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:41	5
Potassium	**10000**	**J**	25000	8300	ug/L		04/11/13 13:28	04/12/13 19:41	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:41	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:41	5
Sodium	**63000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:41	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:41	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:41	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:41	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:15	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:15	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:15	1
Barium	**250**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:15	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:15	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:15	1
Calcium	**240000**		5000	530	ug/L		04/11/13 13:30	04/16/13 15:06	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:15	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:15	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:15	1
Iron	**4400**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:15	1
Lead	**2.4**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:15	1
Magnesium	**35000**		1000	130	ug/L		04/11/13 13:30	04/15/13 16:15	1
Manganese	**1200**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:15	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:15	1
Potassium	**10000**		5000	1700	ug/L		04/11/13 13:30	04/15/13 16:15	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:15	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:15	1
Sodium	**64000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:15	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:15	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:15	1
Zinc	**11**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:26	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: I-67

Lab Sample ID: 160-2027-7

Date Collected: 04/05/13 14:09

Matrix: Water

Date Received: 04/08/13 10:12

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*	0.20	0.060	ug/L		04/17/13 09:59	04/17/13 17:04	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0062**	**J H**	0.020	0.0040	mg/L			04/09/13 08:00	1
Bromide	**0.11**	**J**	0.25	0.025	mg/L			04/09/13 08:00	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 05:50	1
Alkalinity	**620**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**63**		10	1.0	mg/L			04/09/13 08:18	20

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		20	2.0	mg/L			04/09/13 08:36	100

Client Sample ID: PZ-203-SS

Lab Sample ID: 160-2027-8

Date Collected: 04/05/13 14:58

Matrix: Water

Date Received: 04/08/13 10:12

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 18:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 18:20	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 18:20	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 18:20	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 18:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 18:20	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 18:20	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 18:20	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 18:20	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 18:20	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 18:20	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 18:20	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 18:20	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 18:20	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 18:20	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 18:20	1
Acetone	ND		20	6.7	ug/L			04/09/13 18:20	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 18:20	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 18:20	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 18:20	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 18:20	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 18:20	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 18:20	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 18:20	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 18:20	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 18:20	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-203-SS
Date Collected: 04/05/13 14:58
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-8
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 18:20	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 18:20	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 18:20	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 18:20	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 18:20	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 18:20	1
Ethylbenzene	**0.31**	**J**	5.0	0.30	ug/L			04/09/13 18:20	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 18:20	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 18:20	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 18:20	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 18:20	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 18:20	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 18:20	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 18:20	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 18:20	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 18:20	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 18:20	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 18:20	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 18:20	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 18:20	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 18:20	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 18:20	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*82 - 121*		*04/09/13 18:20*	*1*
Dibromofluoromethane (Surr)	*110*		*85 - 119*		*04/09/13 18:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*82 - 132*		*04/09/13 18:20*	*1*
Toluene-d8 (Surr)	*99*		*85 - 115*		*04/09/13 18:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/11/13 13:28	04/12/13 19:52	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:52	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:52	5
Barium	**94**	**J**	250	20	ug/L		04/11/13 13:28	04/12/13 19:52	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:52	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:52	5
Calcium	**100000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:52	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:52	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:52	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:52	5
Iron	**250**	**J**	500	140	ug/L		04/11/13 13:28	04/12/13 19:52	5
Lead	**10**	**J**	50	7.5	ug/L		04/11/13 13:28	04/12/13 19:52	5
Magnesium	**41000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:52	5
Manganese	**24**	**J**	75	17	ug/L		04/11/13 13:28	04/12/13 19:52	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:52	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:52	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:52	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:52	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-203-SS
Date Collected: 04/05/13 14:58
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**7900**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:52	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:52	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:52	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:52	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:19	1
Antimony	**4.2**	**J B**	10	4.0	ug/L		04/11/13 13:30	04/15/13 16:19	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:19	1
Barium	**90**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:19	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:19	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:19	1
Calcium	**100000**		5000	530	ug/L		04/11/13 13:30	04/16/13 15:17	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:19	1
Cobalt	**5.0**	**J**	50	4.0	ug/L		04/11/13 13:30	04/15/13 16:19	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:19	1
Iron	**210**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:19	1
Lead	ND		10	1.5	ug/L		04/11/13 13:30	04/15/13 16:19	1
Magnesium	**43000**		1000	130	ug/L		04/11/13 13:30	04/15/13 16:19	1
Manganese	**25**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:19	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:19	1
Potassium	**2500**	**J**	5000	1700	ug/L		04/11/13 13:30	04/15/13 16:19	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:19	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:19	1
Sodium	**8000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:19	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:19	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:19	1
Zinc	**5.4**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:27	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		04/17/13 09:59	04/17/13 17:05	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:13	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			04/09/13 08:54	1
Chloride	**4.5**		0.20	0.020	mg/L			04/09/13 08:54	1
Bromide	ND		0.25	0.025	mg/L			04/09/13 08:54	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 06:05	1
Alkalinity	**380**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**42**		10	1.0	mg/L			04/09/13 09:12	20

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-100-SS
Date Collected: 04/05/13 14:58
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-9
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 18:45	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 18:45	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 18:45	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 18:45	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 18:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 18:45	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 18:45	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 18:45	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 18:45	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 18:45	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 18:45	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 18:45	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 18:45	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 18:45	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 18:45	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 18:45	1
Acetone	ND		20	6.7	ug/L			04/09/13 18:45	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 18:45	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 18:45	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 18:45	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 18:45	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 18:45	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 18:45	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 18:45	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 18:45	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 18:45	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 18:45	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 18:45	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 18:45	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 18:45	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 18:45	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 18:45	1
Ethylbenzene	**0.30**	**J**	5.0	0.30	ug/L			04/09/13 18:45	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 18:45	1
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 18:45	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 18:45	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 18:45	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 18:45	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 18:45	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 18:45	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 18:45	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 18:45	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 18:45	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 18:45	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 18:45	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 18:45	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 18:45	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 18:45	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 18:45	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: PZ-100-SS
Date Collected: 04/05/13 14:58
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*82 - 121*		*04/09/13 18:45*	*1*
Dibromofluoromethane (Surr)	*108*		*85 - 119*		*04/09/13 18:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*82 - 132*		*04/09/13 18:45*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/09/13 18:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/11/13 13:28	04/12/13 19:56	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 19:56	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 19:56	5
Barium	**70**	**J**	250	20	ug/L		04/11/13 13:28	04/12/13 19:56	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 19:56	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 19:56	5
Calcium	**100000**		5000	530	ug/L		04/11/13 13:28	04/12/13 19:56	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 19:56	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:56	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 19:56	5
Iron	ND		500	140	ug/L		04/11/13 13:28	04/12/13 19:56	5
Lead	ND		50	7.5	ug/L		04/11/13 13:28	04/12/13 19:56	5
Magnesium	**55000**		5000	660	ug/L		04/11/13 13:28	04/12/13 19:56	5
Manganese	ND		75	17	ug/L		04/11/13 13:28	04/12/13 19:56	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 19:56	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 19:56	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 19:56	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 19:56	5
Sodium	**14000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 19:56	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 19:56	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 19:56	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 19:56	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:30	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:30	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:30	1
Barium	**65**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:30	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:30	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:30	1
Calcium	**100000**		5000	530	ug/L		04/11/13 13:30	04/16/13 15:21	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:30	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:30	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:30	1
Iron	ND		100	28	ug/L		04/11/13 13:30	04/15/13 16:30	1
Lead	**2.0**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:30	1
Magnesium	**52000**		5000	660	ug/L		04/11/13 13:30	04/16/13 15:21	5
Manganese	ND		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:30	1
Nickel	**20**	**J**	40	13	ug/L		04/11/13 13:30	04/15/13 16:30	1
Potassium	**2600**	**J**	5000	1700	ug/L		04/11/13 13:30	04/15/13 16:30	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:30	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:30	1

Client Sample ID: PZ-100-SS

Lab Sample ID: 160-2027-9

Date Collected: 04/05/13 14:58

Matrix: Water

Date Received: 04/08/13 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**13000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:30	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:30	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:30	1
Zinc	**12**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:29	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		04/17/13 09:59	04/17/13 17:07	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.088**	**H**	0.020	0.0040	mg/L			04/09/13 09:30	1
Chloride	**4.1**		0.20	0.020	mg/L			04/09/13 09:30	1
Bromide	ND		0.25	0.025	mg/L			04/09/13 09:30	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 07:02	1
Alkalinity	**430**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**44**		10	1.0	mg/L			04/09/13 09:48	20

Client Sample ID: I-66

Lab Sample ID: 160-2027-10

Date Collected: 04/05/13 14:59

Matrix: Water

Date Received: 04/08/13 10:12

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			04/10/13 03:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/10/13 03:04	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/10/13 03:04	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/10/13 03:04	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/10/13 03:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/10/13 03:04	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/10/13 03:04	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/10/13 03:04	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/10/13 03:04	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/10/13 03:04	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/10/13 03:04	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/10/13 03:04	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/10/13 03:04	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/10/13 03:04	1
2-Hexanone	ND		20	0.59	ug/L			04/10/13 03:04	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/10/13 03:04	1
Acetone	ND		20	6.7	ug/L			04/10/13 03:04	1
Benzene	ND		5.0	0.25	ug/L			04/10/13 03:04	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/10/13 03:04	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: I-66
Date Collected: 04/05/13 14:59
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.37	ug/L			04/10/13 03:04	1
Bromomethane	ND		10	0.40	ug/L			04/10/13 03:04	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/10/13 03:04	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/10/13 03:04	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/10/13 03:04	1
Chloroethane	ND		10	0.38	ug/L			04/10/13 03:04	1
Chloroform	ND		5.0	0.15	ug/L			04/10/13 03:04	1
Chloromethane	ND		10	0.55	ug/L			04/10/13 03:04	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/10/13 03:04	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/10/13 03:04	1
Cyclohexane	ND		10	0.36	ug/L			04/10/13 03:04	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/10/13 03:04	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/10/13 03:04	1
Ethylbenzene	**0.32**	**J**	5.0	0.30	ug/L			04/10/13 03:04	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/10/13 03:04	1
Methyl acetate	ND		5.0	2.3	ug/L			04/10/13 03:04	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/10/13 03:04	1
Methylcyclohexane	ND		10	0.26	ug/L			04/10/13 03:04	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/10/13 03:04	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/10/13 03:04	1
o-Xylene	ND		5.0	0.32	ug/L			04/10/13 03:04	1
Styrene	ND		5.0	0.35	ug/L			04/10/13 03:04	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/10/13 03:04	1
Toluene	ND		5.0	1.0	ug/L			04/10/13 03:04	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/10/13 03:04	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/10/13 03:04	1
Trichloroethene	ND		5.0	0.29	ug/L			04/10/13 03:04	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/10/13 03:04	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/10/13 03:04	1
Xylenes, Total	ND		10	0.85	ug/L			04/10/13 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*82 - 121*		*04/10/13 03:04*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*04/10/13 03:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/10/13 03:04*	*1*
Toluene-d8 (Surr)	*98*		*85 - 115*		*04/10/13 03:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**500**	**J**	1000	400	ug/L		04/11/13 13:28	04/12/13 20:00	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 20:00	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 20:00	5
Barium	**170**	**J**	250	20	ug/L		04/11/13 13:28	04/12/13 20:00	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 20:00	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 20:00	5
Calcium	**180000**		5000	530	ug/L		04/11/13 13:28	04/12/13 20:00	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 20:00	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:00	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 20:00	5
Iron	**4100**		500	140	ug/L		04/11/13 13:28	04/12/13 20:00	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: I-66
Date Collected: 04/05/13 14:59
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		50	7.5	ug/L		04/11/13 13:28	04/12/13 20:00	5
Magnesium	**19000**		5000	660	ug/L		04/11/13 13:28	04/12/13 20:00	5
Manganese	**5000**		75	17	ug/L		04/11/13 13:28	04/12/13 20:00	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 20:00	5
Potassium	ND		25000	8300	ug/L		04/11/13 13:28	04/12/13 20:00	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 20:00	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 20:00	5
Sodium	**45000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 20:00	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 20:00	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:00	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 20:00	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:34	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:34	1
Arsenic	**4.8**	**J**	10	2.0	ug/L		04/11/13 13:30	04/15/13 16:34	1
Barium	**140**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:34	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:34	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:34	1
Calcium	**180000**		5000	530	ug/L		04/11/13 13:30	04/16/13 15:24	5
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:34	1
Cobalt	**7.3**	**J**	50	4.0	ug/L		04/11/13 13:30	04/15/13 16:34	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:34	1
Iron	**2100**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:34	1
Lead	**3.6**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:34	1
Magnesium	**17000**		1000	130	ug/L		04/11/13 13:30	04/15/13 16:34	1
Manganese	**4700**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:34	1
Nickel	**14**	**J**	40	13	ug/L		04/11/13 13:30	04/15/13 16:34	1
Potassium	**5100**		5000	1700	ug/L		04/11/13 13:30	04/15/13 16:34	1
Selenium	**2.9**	**J**	15	2.7	ug/L		04/11/13 13:30	04/15/13 16:34	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:34	1
Sodium	**43000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:34	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:34	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:34	1
Zinc	**7.1**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:31	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		04/17/13 09:59	04/17/13 17:08	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:16	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			04/09/13 10:41	1
Bromide	ND		0.25	0.025	mg/L			04/09/13 10:41	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: I-66

Lab Sample ID: 160-2027-10

Date Collected: 04/05/13 14:59

Matrix: Water

Date Received: 04/08/13 10:12

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 07:17	1
Alkalinity	**330**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80**		4.0	0.40	mg/L			04/09/13 10:59	20
Sulfate	**130**		10	1.0	mg/L			04/09/13 10:59	20

Client Sample ID: PZ-305-AI

Lab Sample ID: 160-2027-11

Date Collected: 04/05/13 15:58

Matrix: Water

Date Received: 04/08/13 10:12

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			04/10/13 03:29	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/10/13 03:29	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/10/13 03:29	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/10/13 03:29	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/10/13 03:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/10/13 03:29	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/10/13 03:29	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/10/13 03:29	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/10/13 03:29	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/10/13 03:29	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/10/13 03:29	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/10/13 03:29	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/10/13 03:29	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/10/13 03:29	1
2-Hexanone	ND		20	0.59	ug/L			04/10/13 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/10/13 03:29	1
Acetone	ND		20	6.7	ug/L			04/10/13 03:29	1
Benzene	**1.2**	**J**	5.0	0.25	ug/L			04/10/13 03:29	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/10/13 03:29	1
Bromoform	ND		5.0	0.37	ug/L			04/10/13 03:29	1
Bromomethane	ND		10	0.40	ug/L			04/10/13 03:29	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/10/13 03:29	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/10/13 03:29	1
Chlorobenzene	**3.9**	**J**	5.0	0.38	ug/L			04/10/13 03:29	1
Chloroethane	ND		10	0.38	ug/L			04/10/13 03:29	1
Chloroform	ND		5.0	0.15	ug/L			04/10/13 03:29	1
Chloromethane	ND		10	0.55	ug/L			04/10/13 03:29	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/10/13 03:29	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/10/13 03:29	1
Cyclohexane	ND		10	0.36	ug/L			04/10/13 03:29	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/10/13 03:29	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/10/13 03:29	1
Ethylbenzene	**0.41**	**J**	5.0	0.30	ug/L			04/10/13 03:29	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/10/13 03:29	1
Methyl acetate	ND		5.0	2.3	ug/L			04/10/13 03:29	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/10/13 03:29	1

Client Sample ID: PZ-305-AI
Date Collected: 04/05/13 15:58
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-11
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			04/10/13 03:29	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/10/13 03:29	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/10/13 03:29	1
o-Xylene	ND		5.0	0.32	ug/L			04/10/13 03:29	1
Styrene	ND		5.0	0.35	ug/L			04/10/13 03:29	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/10/13 03:29	1
Toluene	ND		5.0	1.0	ug/L			04/10/13 03:29	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/10/13 03:29	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/10/13 03:29	1
Trichloroethene	ND		5.0	0.29	ug/L			04/10/13 03:29	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/10/13 03:29	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/10/13 03:29	1
Xylenes, Total	ND		10	0.85	ug/L			04/10/13 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*82 - 121*		*04/10/13 03:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/10/13 03:29*	*1*
Toluene-d8 (Surr)	*95*		*85 - 115*		*04/10/13 03:29*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*04/10/13 03:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		1000	400	ug/L		04/11/13 13:28	04/12/13 20:03	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 20:03	5
Arsenic	**11**	**J**	50	9.9	ug/L		04/11/13 13:28	04/12/13 20:03	5
Barium	**820**		250	20	ug/L		04/11/13 13:28	04/12/13 20:03	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 20:03	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 20:03	5
Calcium	**280000**	**E**	5000	530	ug/L		04/11/13 13:28	04/12/13 20:03	5
Calcium	**290000**		10000	1100	ug/L		04/11/13 13:28	04/15/13 10:28	10
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 20:03	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:03	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 20:03	5
Iron	**42000**		500	140	ug/L		04/11/13 13:28	04/12/13 20:03	5
Lead	**19**	**J**	50	7.5	ug/L		04/11/13 13:28	04/12/13 20:03	5
Magnesium	**78000**		5000	660	ug/L		04/11/13 13:28	04/12/13 20:03	5
Manganese	**3200**		75	17	ug/L		04/11/13 13:28	04/12/13 20:03	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 20:03	5
Potassium	**9100**	**J**	25000	8300	ug/L		04/11/13 13:28	04/12/13 20:03	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 20:03	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 20:03	5
Sodium	**19000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 20:03	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 20:03	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:03	5
Zinc	**59**	**J**	100	26	ug/L		04/11/13 13:28	04/12/13 20:03	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:37	1
Antimony	**4.3**	**J B**	10	4.0	ug/L		04/11/13 13:30	04/15/13 16:37	1

Client Sample ID: PZ-305-AI

Date Collected: 04/05/13 15:58
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:37	1
Barium	**700**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:37	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:37	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:37	1
Calcium	**290000**		10000	1100	ug/L		04/11/13 13:30	04/16/13 15:28	10
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:37	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:37	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:37	1
Iron	**34000**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:37	1
Lead	**4.8**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:37	1
Magnesium	**78000**		10000	1300	ug/L		04/11/13 13:30	04/16/13 15:28	10
Manganese	**3100**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:37	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:37	1
Potassium	**7100**		5000	1700	ug/L		04/11/13 13:30	04/15/13 16:37	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:37	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:37	1
Sodium	**19000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:37	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:37	1
Vanadium	**5.6**	**J**	50	4.1	ug/L		04/11/13 13:30	04/15/13 16:37	1
Zinc	**12**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:32	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		04/17/13 09:59	04/17/13 17:10	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:17	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			04/09/13 11:17	1
Bromide	**0.60**		0.25	0.025	mg/L			04/09/13 11:17	1
Sulfate	**1.8**		0.50	0.050	mg/L			04/09/13 11:17	1
Iodide	**0.37**	**J**	1.0	0.10	mg/L			04/09/13 07:31	1
Alkalinity	**980**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66**		4.0	0.40	mg/L			04/09/13 11:35	20

Client Sample ID: DUP 03

Date Collected: 04/05/13 00:00
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-12
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			04/10/13 03:54	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/10/13 03:54	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/10/13 03:54	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: DUP 03
Date Collected: 04/05/13 00:00
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/10/13 03:54	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/10/13 03:54	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/10/13 03:54	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/10/13 03:54	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/10/13 03:54	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/10/13 03:54	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/10/13 03:54	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/10/13 03:54	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/10/13 03:54	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/10/13 03:54	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/10/13 03:54	1
2-Hexanone	ND		20	0.59	ug/L			04/10/13 03:54	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/10/13 03:54	1
Acetone	ND		20	6.7	ug/L			04/10/13 03:54	1
Benzene	ND		5.0	0.25	ug/L			04/10/13 03:54	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/10/13 03:54	1
Bromoform	ND		5.0	0.37	ug/L			04/10/13 03:54	1
Bromomethane	ND		10	0.40	ug/L			04/10/13 03:54	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/10/13 03:54	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/10/13 03:54	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/10/13 03:54	1
Chloroethane	ND		10	0.38	ug/L			04/10/13 03:54	1
Chloroform	ND		5.0	0.15	ug/L			04/10/13 03:54	1
Chloromethane	ND		10	0.55	ug/L			04/10/13 03:54	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/10/13 03:54	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/10/13 03:54	1
Cyclohexane	ND		10	0.36	ug/L			04/10/13 03:54	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/10/13 03:54	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/10/13 03:54	1
Ethylbenzene	**0.38**	**J**	5.0	0.30	ug/L			04/10/13 03:54	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/10/13 03:54	1
Methyl acetate	ND		5.0	2.3	ug/L			04/10/13 03:54	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/10/13 03:54	1
Methylcyclohexane	ND		10	0.26	ug/L			04/10/13 03:54	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/10/13 03:54	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/10/13 03:54	1
o-Xylene	ND		5.0	0.32	ug/L			04/10/13 03:54	1
Styrene	ND		5.0	0.35	ug/L			04/10/13 03:54	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/10/13 03:54	1
Toluene	ND		5.0	1.0	ug/L			04/10/13 03:54	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/10/13 03:54	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/10/13 03:54	1
Trichloroethene	ND		5.0	0.29	ug/L			04/10/13 03:54	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/10/13 03:54	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/10/13 03:54	1
Xylenes, Total	ND		10	0.85	ug/L			04/10/13 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*82 - 121*		*04/10/13 03:54*	*1*
Dibromofluoromethane (Surr)	*108*		*85 - 119*		*04/10/13 03:54*	*1*

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: DUP 03
Date Collected: 04/05/13 00:00
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-12
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*110*		*82 - 132*		*04/10/13 03:54*	*1*
Toluene-d8 (Surr)	*97*		*85 - 115*		*04/10/13 03:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**820**	**J**	1000	400	ug/L		04/11/13 13:28	04/12/13 20:07	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 20:07	5
Arsenic	ND		50	9.9	ug/L		04/11/13 13:28	04/12/13 20:07	5
Barium	**260**		250	20	ug/L		04/11/13 13:28	04/12/13 20:07	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 20:07	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 20:07	5
Calcium	**240000**		5000	530	ug/L		04/11/13 13:28	04/12/13 20:07	5
Chromium	ND		50	16	ug/L		04/11/13 13:28	04/12/13 20:07	5
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:07	5
Copper	ND		130	23	ug/L		04/11/13 13:28	04/12/13 20:07	5
Iron	**5100**		500	140	ug/L		04/11/13 13:28	04/12/13 20:07	5
Lead	ND		50	7.5	ug/L		04/11/13 13:28	04/12/13 20:07	5
Magnesium	**35000**		5000	660	ug/L		04/11/13 13:28	04/12/13 20:07	5
Manganese	**1200**		75	17	ug/L		04/11/13 13:28	04/12/13 20:07	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 20:07	5
Potassium	**10000**	**J**	25000	8300	ug/L		04/11/13 13:28	04/12/13 20:07	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 20:07	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 20:07	5
Sodium	**63000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 20:07	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 20:07	5
Vanadium	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:07	5
Zinc	ND		100	26	ug/L		04/11/13 13:28	04/12/13 20:07	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:41	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:30	04/15/13 16:41	1
Arsenic	**2.7**	**J**	10	2.0	ug/L		04/11/13 13:30	04/15/13 16:41	1
Barium	**250**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:41	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:41	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:41	1
Calcium	**250000**		10000	1100	ug/L		04/11/13 13:30	04/16/13 15:32	10
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:41	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:41	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:41	1
Iron	**4800**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:41	1
Lead	**2.5**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:41	1
Magnesium	**36000**		1000	130	ug/L		04/11/13 13:30	04/15/13 16:41	1
Manganese	**1200**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:41	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:41	1
Potassium	**9900**		5000	1700	ug/L		04/11/13 13:30	04/15/13 16:41	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:41	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:41	1
Sodium	**63000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:41	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: DUP 03

Lab Sample ID: 160-2027-12

Date Collected: 04/05/13 00:00

Matrix: Water

Date Received: 04/08/13 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:41	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 16:41	1
Zinc	ND		20	5.2	ug/L		04/11/13 13:30	04/15/13 16:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:34	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		04/17/13 09:59	04/17/13 17:12	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.16**	**H**	0.020	0.0040	mg/L			04/09/13 13:41	1
Bromide	**0.097**	**J**	0.25	0.025	mg/L			04/09/13 13:41	1
Iodide	ND		1.0	0.10	mg/L			04/09/13 07:45	1
Alkalinity	**610**	**B**	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**62**		10	1.0	mg/L			04/09/13 13:59	20

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		20	2.0	mg/L			04/09/13 14:17	100

Client Sample ID: DUP 04

Lab Sample ID: 160-2027-13

Date Collected: 04/05/13 00:00

Matrix: Water

Date Received: 04/08/13 10:12

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			04/10/13 04:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/10/13 04:20	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/10/13 04:20	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/10/13 04:20	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/10/13 04:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/10/13 04:20	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/10/13 04:20	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/10/13 04:20	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/10/13 04:20	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/10/13 04:20	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/10/13 04:20	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/10/13 04:20	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/10/13 04:20	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/10/13 04:20	1
2-Hexanone	ND		20	0.59	ug/L			04/10/13 04:20	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/10/13 04:20	1
Acetone	ND		20	6.7	ug/L			04/10/13 04:20	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: DUP 04
Date Collected: 04/05/13 00:00
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.2**	**J**	5.0	0.25	ug/L			04/10/13 04:20	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/10/13 04:20	1
Bromoform	ND		5.0	0.37	ug/L			04/10/13 04:20	1
Bromomethane	ND		10	0.40	ug/L			04/10/13 04:20	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/10/13 04:20	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/10/13 04:20	1
Chlorobenzene	**3.9**	**J**	5.0	0.38	ug/L			04/10/13 04:20	1
Chloroethane	ND		10	0.38	ug/L			04/10/13 04:20	1
Chloroform	ND		5.0	0.15	ug/L			04/10/13 04:20	1
Chloromethane	ND		10	0.55	ug/L			04/10/13 04:20	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/10/13 04:20	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/10/13 04:20	1
Cyclohexane	ND		10	0.36	ug/L			04/10/13 04:20	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/10/13 04:20	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/10/13 04:20	1
Ethylbenzene	**0.31**	**J**	5.0	0.30	ug/L			04/10/13 04:20	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/10/13 04:20	1
Methyl acetate	ND		5.0	2.3	ug/L			04/10/13 04:20	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/10/13 04:20	1
Methylcyclohexane	ND		10	0.26	ug/L			04/10/13 04:20	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/10/13 04:20	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/10/13 04:20	1
o-Xylene	ND		5.0	0.32	ug/L			04/10/13 04:20	1
Styrene	ND		5.0	0.35	ug/L			04/10/13 04:20	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/10/13 04:20	1
Toluene	ND		5.0	1.0	ug/L			04/10/13 04:20	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/10/13 04:20	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/10/13 04:20	1
Trichloroethene	ND		5.0	0.29	ug/L			04/10/13 04:20	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/10/13 04:20	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/10/13 04:20	1
Xylenes, Total	ND		10	0.85	ug/L			04/10/13 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*82 - 121*		*04/10/13 04:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/10/13 04:20*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*04/10/13 04:20*	*1*
Dibromofluoromethane (Surr)	*101*		*85 - 119*		*04/10/13 04:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**		1000	400	ug/L		04/11/13 13:28	04/12/13 20:11	5
Antimony	ND		50	20	ug/L		04/11/13 13:28	04/12/13 20:11	5
Arsenic	**17**	**J**	50	9.9	ug/L		04/11/13 13:28	04/12/13 20:11	5
Barium	**930**		250	20	ug/L		04/11/13 13:28	04/12/13 20:11	5
Beryllium	ND		25	3.1	ug/L		04/11/13 13:28	04/12/13 20:11	5
Cadmium	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 20:11	5
Calcium	**280000**	**E**	5000	530	ug/L		04/11/13 13:28	04/12/13 20:11	5
Calcium	**300000**		10000	1100	ug/L		04/11/13 13:28	04/15/13 10:32	10
Chromium	**23**	**J**	50	16	ug/L		04/11/13 13:28	04/12/13 20:11	5

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: DUP 04
Date Collected: 04/05/13 00:00
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		250	20	ug/L		04/11/13 13:28	04/12/13 20:11	5
Copper	**23**	**J**	130	23	ug/L		04/11/13 13:28	04/12/13 20:11	5
Iron	**45000**		500	140	ug/L		04/11/13 13:28	04/12/13 20:11	5
Lead	**27**	**J**	50	7.5	ug/L		04/11/13 13:28	04/12/13 20:11	5
Magnesium	**80000**		5000	660	ug/L		04/11/13 13:28	04/12/13 20:11	5
Manganese	**3300**		75	17	ug/L		04/11/13 13:28	04/12/13 20:11	5
Nickel	ND		200	67	ug/L		04/11/13 13:28	04/12/13 20:11	5
Potassium	**10000**	**J**	25000	8300	ug/L		04/11/13 13:28	04/12/13 20:11	5
Selenium	ND		75	13	ug/L		04/11/13 13:28	04/12/13 20:11	5
Silver	ND		50	30	ug/L		04/11/13 13:28	04/12/13 20:11	5
Sodium	**19000**		5000	1600	ug/L		04/11/13 13:28	04/12/13 20:11	5
Thallium	ND		100	20	ug/L		04/11/13 13:28	04/12/13 20:11	5
Vanadium	**34**	**J**	250	20	ug/L		04/11/13 13:28	04/12/13 20:11	5
Zinc	**93**	**J**	100	26	ug/L		04/11/13 13:28	04/12/13 20:11	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 16:45	1
Antimony	**5.4**	**J B**	10	4.0	ug/L		04/11/13 13:30	04/15/13 16:45	1
Arsenic	**16**		10	2.0	ug/L		04/11/13 13:30	04/15/13 16:45	1
Barium	**690**		50	4.0	ug/L		04/11/13 13:30	04/15/13 16:45	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 16:45	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 16:45	1
Calcium	**290000**		10000	1100	ug/L		04/11/13 13:30	04/16/13 15:36	10
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 16:45	1
Cobalt	**4.1**	**J**	50	4.0	ug/L		04/11/13 13:30	04/15/13 16:45	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 16:45	1
Iron	**34000**	**B**	100	28	ug/L		04/11/13 13:30	04/15/13 16:45	1
Lead	**5.2**	**J**	10	1.5	ug/L		04/11/13 13:30	04/15/13 16:45	1
Magnesium	**77000**		10000	1300	ug/L		04/11/13 13:30	04/16/13 15:36	10
Manganese	**3100**		15	3.3	ug/L		04/11/13 13:30	04/15/13 16:45	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 16:45	1
Potassium	**7200**		5000	1700	ug/L		04/11/13 13:30	04/15/13 16:45	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 16:45	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 16:45	1
Sodium	**19000**		1000	320	ug/L		04/11/13 13:30	04/15/13 16:45	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 16:45	1
Vanadium	**4.3**	**J**	50	4.1	ug/L		04/11/13 13:30	04/15/13 16:45	1
Zinc	**8.7**	**J B**	20	5.2	ug/L		04/11/13 13:30	04/15/13 16:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:35	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		04/17/13 09:59	04/17/13 17:13	1
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 16:21	1

Client Sample ID: DUP 04

Lab Sample ID: 160-2027-13

Date Collected: 04/05/13 00:00

Matrix: Water

Date Received: 04/08/13 10:12

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0059	J H	0.020	0.0040	mg/L			04/09/13 14:34	1
Bromide	0.58		0.25	0.025	mg/L			04/09/13 14:34	1
Sulfate	1.8		0.50	0.050	mg/L			04/09/13 14:34	1
Iodide	0.41	J	1.0	0.10	mg/L			04/09/13 08:00	1
Alkalinity	950	B	5.0	0.54	mg/L			04/11/13 10:12	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65		4.0	0.40	mg/L			04/09/13 14:52	20

Client Sample ID: TRIP BLANK

Lab Sample ID: 160-2027-14

Date Collected: 04/05/13 00:00

Matrix: Water

Date Received: 04/08/13 10:12

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 12:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/09/13 12:30	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/09/13 12:30	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/09/13 12:30	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/09/13 12:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/09/13 12:30	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/09/13 12:30	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/09/13 12:30	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/09/13 12:30	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/09/13 12:30	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/09/13 12:30	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/09/13 12:30	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/09/13 12:30	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/09/13 12:30	1
2-Hexanone	ND		20	0.59	ug/L			04/09/13 12:30	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/09/13 12:30	1
Acetone	ND		20	6.7	ug/L			04/09/13 12:30	1
Benzene	ND		5.0	0.25	ug/L			04/09/13 12:30	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/09/13 12:30	1
Bromoform	ND		5.0	0.37	ug/L			04/09/13 12:30	1
Bromomethane	ND		10	0.40	ug/L			04/09/13 12:30	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/09/13 12:30	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/09/13 12:30	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/09/13 12:30	1
Chloroethane	ND		10	0.38	ug/L			04/09/13 12:30	1
Chloroform	ND		5.0	0.15	ug/L			04/09/13 12:30	1
Chloromethane	ND		10	0.55	ug/L			04/09/13 12:30	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/09/13 12:30	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/09/13 12:30	1
Cyclohexane	ND		10	0.36	ug/L			04/09/13 12:30	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/09/13 12:30	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/09/13 12:30	1
Ethylbenzene	0.31	J	5.0	0.30	ug/L			04/09/13 12:30	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/09/13 12:30	1

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

TestAmerica Job ID: 160-2027-1

Client Sample ID: TRIP BLANK
Date Collected: 04/05/13 00:00
Date Received: 04/08/13 10:12

Lab Sample ID: 160-2027-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	2.3	ug/L			04/09/13 12:30	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/09/13 12:30	1
Methylcyclohexane	ND		10	0.26	ug/L			04/09/13 12:30	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/09/13 12:30	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/09/13 12:30	1
o-Xylene	ND		5.0	0.32	ug/L			04/09/13 12:30	1
Styrene	ND		5.0	0.35	ug/L			04/09/13 12:30	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/09/13 12:30	1
Toluene	ND		5.0	1.0	ug/L			04/09/13 12:30	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/09/13 12:30	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/09/13 12:30	1
Trichloroethene	ND		5.0	0.29	ug/L			04/09/13 12:30	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/09/13 12:30	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/09/13 12:30	1
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*82 - 121*		*04/09/13 12:30*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*04/09/13 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*82 - 132*		*04/09/13 12:30*	*1*
Toluene-d8 (Surr)	*99*		*85 - 115*		*04/09/13 12:30*	*1*

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

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
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

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
Xylenes, Total	ND		10	0.85	ug/L			04/09/13 11:14	1

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

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
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
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

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

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 45293

Client Sample ID: MW-103
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	51.1		ug/L		102	85 - 115		
1,1,1-Trichloroethane	ND		50.0	48.9		ug/L		98	85 - 118		
1,1,2,2-Tetrachloroethane	ND		50.0	47.8		ug/L		96	85 - 116		
1,1,2-Trichloroethane	ND		50.0	49.3		ug/L		99	85 - 115		
1,1-Dichloroethane	ND		50.0	49.0		ug/L		98	85 - 115		
1,1-Dichloroethene	ND		50.0	45.9		ug/L		92	85 - 118		
1,1-Dichloropropene	ND		50.0	47.8		ug/L		96	85 - 115		
1,2,3-Trichlorobenzene	ND		50.0	47.9		ug/L		96	70 - 120		
1,2,3-Trichloropropane	ND		50.0	47.8		ug/L		96	80 - 115		
1,2,4-Trichlorobenzene	ND		50.0	48.4		ug/L		97	75 - 124		
1,2,4-Trimethylbenzene	ND		50.0	51.6		ug/L		103	85 - 115		
1,2-Dibromo-3-chloropropane	ND		50.0	46.0		ug/L		92	71 - 123		
1,2-Dibromoethane	ND		50.0	48.7		ug/L		97	85 - 115		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	53.1		ug/L		106	47 - 130		
1,2-Dichlorobenzene	ND		50.0	49.0		ug/L		98	84 - 115		
1,2-Dichloroethane	ND		50.0	49.7		ug/L		99	80 - 125		
1,2-Dichloroethene, Total	ND		100	93.5		ug/L		94	85 - 115		
1,2-Dichloropropane	ND		50.0	48.0		ug/L		96	85 - 117		
1,3,5-Trimethylbenzene	ND		50.0	52.3		ug/L		105	85 - 116		
1,3-Dichlorobenzene	ND		50.0	48.3		ug/L		97	84 - 115		
1,3-Dichloropropane	ND		50.0	47.8		ug/L		96	85 - 115		
1,4-Dichlorobenzene	ND		50.0	49.6		ug/L		99	85 - 115		
1,4-Dioxane	ND		1000	946		ug/L		95	36 - 157		
1-Butanol	ND		500	508		ug/L		102	53 - 140		

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

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 45293

Client Sample ID: MW-103
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	55.4		ug/L		111	80 - 122
2-Butanone (MEK)	ND		50.0	51.1		ug/L		102	73 - 133
2-Chloro-1,3-butadiene	ND		50.0	49.5		ug/L		99	70 - 115
2-Chloroethyl vinyl ether	ND		50.0	ND	F	ug/L		0	15 - 147
2-Chlorotoluene	ND		50.0	49.5		ug/L		99	84 - 117
2-Hexanone	ND		50.0	55.5		ug/L		111	66 - 121
2-Nitropropane	ND		100	104		ug/L		104	64 - 118
4-Chlorotoluene	ND		50.0	49.3		ug/L		99	85 - 115
4-Isopropyltoluene	ND		50.0	51.4		ug/L		103	85 - 116
4-Methyl-2-pentanone (MIBK)	ND		50.0	56.6		ug/L		113	77 - 134
Acetone	ND		50.0	49.3		ug/L		99	38 - 150
Acetonitrile	ND		250	281		ug/L		112	44 - 141
Acrolein	ND		250	273		ug/L		109	60 - 122
Acrylonitrile	ND		250	276		ug/L		110	78 - 128
Allyl chloride	ND		50.0	51.7		ug/L		103	76 - 119
Benzene	ND		50.0	48.0		ug/L		96	85 - 115
Bromobenzene	ND		50.0	45.8		ug/L		92	85 - 115
Bromochloromethane	ND		50.0	49.4		ug/L		99	85 - 115
Bromodichloromethane	ND		50.0	47.4		ug/L		95	56 - 119
Bromoform	ND		50.0	48.8		ug/L		98	84 - 116
Bromomethane	ND		50.0	41.7		ug/L		83	70 - 135
Carbon disulfide	ND		50.0	47.2		ug/L		94	85 - 127
Carbon tetrachloride	ND		50.0	50.8		ug/L		102	85 - 121
Chlorobenzene	ND		50.0	49.7		ug/L		99	85 - 115
Chloroethane	ND		50.0	45.2		ug/L		90	73 - 123
Chloroform	ND		50.0	48.4		ug/L		97	85 - 115
Chloromethane	ND		50.0	48.2		ug/L		96	67 - 130
cis-1,2-Dichloroethene	ND		50.0	47.5		ug/L		95	80 - 116
cis-1,3-Dichloropropene	ND		50.0	47.1		ug/L		94	85 - 124
Cyclohexane	ND		50.0	50.1		ug/L		100	73 - 115
Cyclohexanone	ND		500	427		ug/L		85	26 - 121
Dibromochloromethane	ND		50.0	50.5		ug/L		101	85 - 115
Dibromomethane	ND		50.0	48.0		ug/L		96	85 - 115
Dichlorodifluoromethane	ND		50.0	48.3		ug/L		97	85 - 119
Ethyl acetate	ND		100	102		ug/L		102	71 - 116
Ethyl ether	ND		100	99.7		ug/L		100	79 - 115
Ethyl methacrylate	ND		50.0	56.1		ug/L		112	67 - 115
Ethylbenzene	0.31	J	50.0	51.3		ug/L		102	85 - 115
Hexachlorobutadiene	ND		50.0	49.4		ug/L		99	64 - 134
Iodomethane	ND		50.0	47.8		ug/L		96	78 - 126
Isobutanol	ND		1000	1080		ug/L		108	51 - 137
Isopropylbenzene	ND		50.0	50.9		ug/L		102	85 - 124
Methacrylonitrile	ND		250	256		ug/L		102	70 - 118
Methyl acetate	ND		50.0	48.9		ug/L		98	49 - 150
Methyl methacrylate	ND		50.0	45.9		ug/L		92	61 - 115
Methyl tert-butyl ether	ND		50.0	51.0		ug/L		102	75 - 115
Methylcyclohexane	ND		50.0	52.1		ug/L		104	85 - 137
Methylene Chloride	ND		50.0	48.7		ug/L		97	85 - 115

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

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 45293

Client Sample ID: MW-103
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	107		ug/L		107	85 - 115
Naphthalene	ND		50.0	46.8		ug/L		94	70 - 123
n-Butylbenzene	ND		50.0	51.4		ug/L		103	85 - 115
n-Hexane	ND		50.0	50.0		ug/L		100	85 - 137
N-Propylbenzene	ND		50.0	50.0		ug/L		100	85 - 115
o-Xylene	ND		50.0	52.5		ug/L		105	85 - 118
Propionitrile	ND		250	277		ug/L		111	69 - 120
sec-Butylbenzene	ND		50.0	49.2		ug/L		98	83 - 117
Styrene	ND		50.0	52.8		ug/L		106	85 - 115
tert-Butylbenzene	ND		50.0	50.6		ug/L		101	85 - 122
Tetrachloroethene	ND		50.0	48.5		ug/L		97	85 - 118
Tetrahydrofuran	ND		250	249		ug/L		99	63 - 115
Toluene	ND		50.0	50.3		ug/L		101	85 - 118
trans-1,2-Dichloroethene	ND		50.0	46.0		ug/L		92	84 - 115
trans-1,3-Dichloropropene	ND		50.0	51.2		ug/L		102	85 - 127
trans-1,4-Dichloro-2-butene	ND		50.0	52.9		ug/L		106	76 - 115
Trichloroethene	ND		50.0	47.0		ug/L		94	85 - 115
Trichlorofluoromethane	ND		50.0	49.8		ug/L		100	85 - 115
Vinyl acetate	ND		50.0	55.6		ug/L		111	24 - 136
Vinyl chloride	ND		50.0	47.9		ug/L		96	63 - 129
Xylenes, Total	ND		150	160		ug/L		106	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*82 - 121*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*
Dibromofluoromethane (Surr)	*103*		*85 - 119*
Toluene-d8 (Surr)	*102*		*85 - 115*

Lab Sample ID: 160-2027-1 MSD
Matrix: Water
Analysis Batch: 45293

Client Sample ID: MW-103
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	51.2		ug/L		102	85 - 115	0	20
1,1,1-Trichloroethane	ND		50.0	50.0		ug/L		100	85 - 118	2	20
1,1,2,2-Tetrachloroethane	ND		50.0	47.9		ug/L		96	85 - 116	0	20
1,1,2-Trichloroethane	ND		50.0	48.2		ug/L		96	85 - 115	2	20
1,1-Dichloroethane	ND		50.0	50.3		ug/L		101	85 - 115	3	20
1,1-Dichloroethene	ND		50.0	47.2		ug/L		94	85 - 118	3	20
1,1-Dichloropropene	ND		50.0	46.9		ug/L		94	85 - 115	2	20
1,2,3-Trichlorobenzene	ND		50.0	45.6		ug/L		91	70 - 120	5	20
1,2,3-Trichloropropane	ND		50.0	47.4		ug/L		95	80 - 115	1	20
1,2,4-Trichlorobenzene	ND		50.0	47.4		ug/L		95	75 - 124	2	20
1,2,4-Trimethylbenzene	ND		50.0	51.4		ug/L		103	85 - 115	0	20
1,2-Dibromo-3-chloropropane	ND		50.0	45.8		ug/L		92	71 - 123	0	20
1,2-Dibromoethane	ND		50.0	50.5		ug/L		101	85 - 115	3	20
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	53.2		ug/L		106	47 - 130	0	20

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

Lab Sample ID: 160-2027-1 MSD
Matrix: Water
Analysis Batch: 45293

Client Sample ID: MW-103
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	48.0		ug/L		96	84 - 115	2	20
1,2-Dichloroethane	ND		50.0	51.0		ug/L		102	80 - 125	2	20
1,2-Dichloroethene, Total	ND		100	97.1		ug/L		97	85 - 115	4	20
1,2-Dichloropropane	ND		50.0	47.6		ug/L		95	85 - 117	1	20
1,3,5-Trimethylbenzene	ND		50.0	52.0		ug/L		104	85 - 116	1	20
1,3-Dichlorobenzene	ND		50.0	48.0		ug/L		96	84 - 115	1	20
1,3-Dichloropropane	ND		50.0	50.1		ug/L		100	85 - 115	5	20
1,4-Dichlorobenzene	ND		50.0	47.9		ug/L		96	85 - 115	4	20
1,4-Dioxane	ND		1000	1120		ug/L		112	36 - 157	17	20
1-Butanol	ND		500	498		ug/L		100	53 - 140	2	20
2,2-Dichloropropane	ND		50.0	55.1		ug/L		110	80 - 122	0	20
2-Butanone (MEK)	ND		50.0	51.9		ug/L		104	73 - 133	1	20
2-Chloro-1,3-butadiene	ND		50.0	50.8		ug/L		102	70 - 115	3	20
2-Chloroethyl vinyl ether	ND		50.0	ND	F	ug/L		0	15 - 147	NC	20
2-Chlorotoluene	ND		50.0	49.5		ug/L		99	84 - 117	0	20
2-Hexanone	ND		50.0	58.2		ug/L		116	66 - 121	5	20
2-Nitropropane	ND		100	104		ug/L		104	64 - 118	1	20
4-Chlorotoluene	ND		50.0	49.0		ug/L		98	85 - 115	1	20
4-Isopropyltoluene	ND		50.0	52.0		ug/L		104	85 - 116	1	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	55.4		ug/L		111	77 - 134	2	20
Acetone	ND		50.0	43.4		ug/L		87	38 - 150	13	20
Acetonitrile	ND		250	291		ug/L		117	44 - 141	4	20
Acrolein	ND		250	295		ug/L		118	60 - 122	8	20
Acrylonitrile	ND		250	280		ug/L		112	78 - 128	2	20
Allyl chloride	ND		50.0	51.6		ug/L		103	76 - 119	0	20
Benzene	ND		50.0	49.3		ug/L		99	85 - 115	3	20
Bromobenzene	ND		50.0	46.6		ug/L		93	85 - 115	2	20
Bromochloromethane	ND		50.0	48.3		ug/L		97	85 - 115	2	20
Bromodichloromethane	ND		50.0	49.4		ug/L		99	56 - 119	4	20
Bromoform	ND		50.0	47.5		ug/L		95	84 - 116	3	20
Bromomethane	ND		50.0	42.1		ug/L		84	70 - 135	1	20
Carbon disulfide	ND		50.0	48.8		ug/L		98	85 - 127	3	20
Carbon tetrachloride	ND		50.0	50.8		ug/L		102	85 - 121	0	20
Chlorobenzene	ND		50.0	50.0		ug/L		100	85 - 115	1	20
Chloroethane	ND		50.0	44.3		ug/L		89	73 - 123	2	20
Chloroform	ND		50.0	49.3		ug/L		99	85 - 115	2	20
Chloromethane	ND		50.0	51.2		ug/L		102	67 - 130	6	20
cis-1,2-Dichloroethene	ND		50.0	48.9		ug/L		98	80 - 116	3	20
cis-1,3-Dichloropropene	ND		50.0	48.6		ug/L		97	85 - 124	3	20
Cyclohexane	ND		50.0	51.0		ug/L		102	73 - 115	2	20
Cyclohexanone	ND		500	450		ug/L		90	26 - 121	5	20
Dibromochloromethane	ND		50.0	48.9		ug/L		98	85 - 115	3	20
Dibromomethane	ND		50.0	48.3		ug/L		97	85 - 115	1	20
Dichlorodifluoromethane	ND		50.0	49.6		ug/L		99	85 - 119	3	20
Ethyl acetate	ND		100	107		ug/L		107	71 - 116	5	20
Ethyl ether	ND		100	102		ug/L		102	79 - 115	2	20
Ethyl methacrylate	ND		50.0	55.0		ug/L		110	67 - 115	2	20
Ethylbenzene	0.31	J	50.0	51.5		ug/L		102	85 - 115	0	20

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

Lab Sample ID: 160-2027-1 MSD
Matrix: Water
Analysis Batch: 45293

Client Sample ID: MW-103
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	49.3		ug/L		99	64 - 134	0	20
Iodomethane	ND		50.0	47.8		ug/L		96	78 - 126	0	20
Isobutanol	ND		1000	1090		ug/L		109	51 - 137	1	20
Isopropylbenzene	ND		50.0	50.6		ug/L		101	85 - 124	0	20
Methacrylonitrile	ND		250	262		ug/L		105	70 - 118	2	20
Methyl acetate	ND		50.0	50.7		ug/L		101	49 - 150	3	20
Methyl methacrylate	ND		50.0	46.9		ug/L		94	61 - 115	2	20
Methyl tert-butyl ether	ND		50.0	50.9		ug/L		102	75 - 115	0	20
Methylcyclohexane	ND		50.0	52.9		ug/L		106	85 - 137	2	20
Methylene Chloride	ND		50.0	49.4		ug/L		99	85 - 115	1	20
m-Xylene & p-Xylene	ND		100	106		ug/L		106	85 - 115	1	20
Naphthalene	ND		50.0	45.3		ug/L		91	70 - 123	3	20
n-Butylbenzene	ND		50.0	50.8		ug/L		102	85 - 115	1	20
n-Hexane	ND		50.0	49.4		ug/L		99	85 - 137	1	20
N-Propylbenzene	ND		50.0	50.5		ug/L		101	85 - 115	1	20
o-Xylene	ND		50.0	52.6		ug/L		105	85 - 118	0	20
Propionitrile	ND		250	281		ug/L		113	69 - 120	2	20
sec-Butylbenzene	ND		50.0	48.6		ug/L		97	83 - 117	1	20
Styrene	ND		50.0	52.6		ug/L		105	85 - 115	0	20
tert-Butylbenzene	ND		50.0	50.7		ug/L		101	85 - 122	0	20
Tetrachloroethene	ND		50.0	49.2		ug/L		98	85 - 118	1	20
Tetrahydrofuran	ND		250	272		ug/L		109	63 - 115	9	20
Toluene	ND		50.0	50.5		ug/L		101	85 - 118	0	20
trans-1,2-Dichloroethene	ND		50.0	48.2		ug/L		96	84 - 115	5	20
trans-1,3-Dichloropropene	ND		50.0	51.3		ug/L		103	85 - 127	0	20
trans-1,4-Dichloro-2-butene	ND		50.0	51.2		ug/L		102	76 - 115	3	20
Trichloroethene	ND		50.0	47.7		ug/L		95	85 - 115	1	20
Trichlorofluoromethane	ND		50.0	50.2		ug/L		100	85 - 115	1	20
Vinyl acetate	ND		50.0	56.0		ug/L		112	24 - 136	1	20
Vinyl chloride	ND		50.0	48.8		ug/L		98	63 - 129	2	20
Xylenes, Total	ND		150	159		ug/L		106	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*82 - 121*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*
Dibromofluoromethane (Surr)	*102*		*85 - 119*
Toluene-d8 (Surr)	*102*		*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

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
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
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*
4-Bromofluorobenzene (Surr)	*98*		*82 - 121*		*04/10/13 02:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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
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

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
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
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

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

Lab Sample ID: 160-2027-10 MS
Matrix: Water
Analysis Batch: 46058

Client Sample ID: I-66
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	49.5		ug/L		99	85 - 115
1,1,1-Trichloroethane	ND		50.0	47.2		ug/L		94	85 - 118
1,1,2,2-Tetrachloroethane	ND		50.0	42.5		ug/L		85	85 - 116
1,1,2-Trichloroethane	ND		50.0	44.3		ug/L		89	85 - 115
1,1-Dichloroethane	ND		50.0	47.7		ug/L		95	85 - 115
1,1-Dichloroethene	ND		50.0	44.7		ug/L		89	85 - 118
1,1-Dichloropropene	ND		50.0	46.6		ug/L		93	85 - 115
1,2,3-Trichlorobenzene	ND		50.0	42.7		ug/L		85	70 - 120
1,2,3-Trichloropropane	ND		50.0	43.7		ug/L		87	80 - 115
1,2,4-Trichlorobenzene	ND		50.0	43.8		ug/L		88	75 - 124
1,2,4-Trimethylbenzene	ND		50.0	50.8		ug/L		102	85 - 115
1,2-Dibromo-3-chloropropane	ND		50.0	41.2		ug/L		82	71 - 123
1,2-Dibromoethane	ND		50.0	45.6		ug/L		91	85 - 115
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	52.6		ug/L		105	47 - 130
1,2-Dichlorobenzene	ND		50.0	41.8		ug/L		84	84 - 115
1,2-Dichloroethane	ND		50.0	46.5		ug/L		93	80 - 125
1,2-Dichloroethene, Total	ND		100	91.4		ug/L		91	85 - 115
1,2-Dichloropropane	ND		50.0	45.7		ug/L		91	85 - 117
1,3,5-Trimethylbenzene	ND		50.0	51.1		ug/L		102	85 - 116
1,3-Dichlorobenzene	ND		50.0	42.7		ug/L		85	84 - 115
1,3-Dichloropropane	ND		50.0	46.0		ug/L		92	85 - 115
1,4-Dichlorobenzene	ND		50.0	47.9		ug/L		96	85 - 115
1,4-Dioxane	ND		1000	897		ug/L		90	36 - 157
1-Butanol	ND		500	417		ug/L		83	53 - 140
2,2-Dichloropropane	ND		50.0	50.4		ug/L		101	80 - 122
2-Butanone (MEK)	ND		50.0	41.4		ug/L		83	73 - 133
2-Chloro-1,3-butadiene	ND		50.0	49.0		ug/L		98	70 - 115
2-Chloroethyl vinyl ether	ND		50.0	ND	F	ug/L		0	15 - 147
2-Chlorotoluene	ND		50.0	44.9		ug/L		90	84 - 117

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

Lab Sample ID: 160-2027-10 MS
Matrix: Water
Analysis Batch: 46058

Client Sample ID: I-66
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	ND		50.0	50.7		ug/L		101	66 - 121
2-Nitropropane	ND		100	94.4		ug/L		94	64 - 118
4-Chlorotoluene	ND		50.0	43.6		ug/L		87	85 - 115
4-Isopropyltoluene	ND		50.0	50.4		ug/L		101	85 - 116
4-Methyl-2-pentanone (MIBK)	ND		50.0	51.7		ug/L		103	77 - 134
Acetone	ND		50.0	45.7		ug/L		91	38 - 150
Acetonitrile	ND		250	259		ug/L		104	44 - 141
Acrolein	ND		250	293		ug/L		117	60 - 122
Acrylonitrile	ND		250	251		ug/L		100	78 - 128
Allyl chloride	ND		50.0	49.6		ug/L		99	76 - 119
Benzene	ND		50.0	46.7		ug/L		93	85 - 115
Bromobenzene	ND		50.0	44.9		ug/L		90	85 - 115
Bromochloromethane	ND		50.0	45.0		ug/L		90	85 - 115
Bromodichloromethane	ND		50.0	45.3		ug/L		91	56 - 119
Bromoform	ND		50.0	44.9		ug/L		90	84 - 116
Bromomethane	ND		50.0	40.4		ug/L		81	70 - 135
Carbon disulfide	ND		50.0	49.0		ug/L		98	85 - 127
Carbon tetrachloride	ND		50.0	47.1		ug/L		94	85 - 121
Chlorobenzene	ND		50.0	43.3		ug/L		87	85 - 115
Chloroethane	ND		50.0	39.2		ug/L		78	73 - 123
Chloroform	ND		50.0	47.4		ug/L		95	85 - 115
Chloromethane	ND		50.0	45.8		ug/L		92	67 - 130
cis-1,2-Dichloroethene	ND		50.0	46.5		ug/L		93	80 - 116
cis-1,3-Dichloropropene	ND		50.0	44.8		ug/L		90	85 - 124
Cyclohexane	ND		50.0	48.9		ug/L		98	73 - 115
Cyclohexanone	ND		500	452		ug/L		90	26 - 121
Dibromochloromethane	ND		50.0	47.0		ug/L		94	85 - 115
Dibromomethane	ND		50.0	45.3		ug/L		91	85 - 115
Dichlorodifluoromethane	ND		50.0	49.2		ug/L		98	85 - 119
Ethyl acetate	ND		100	94.8		ug/L		95	71 - 116
Ethyl ether	ND		100	96.2		ug/L		96	79 - 115
Ethyl methacrylate	ND		50.0	49.9		ug/L		100	67 - 115
Ethylbenzene	0.32	J	50.0	49.6		ug/L		99	85 - 115
Hexachlorobutadiene	ND		50.0	46.8		ug/L		94	64 - 134
Iodomethane	ND		50.0	46.3		ug/L		93	78 - 126
Isobutanol	ND		1000	996		ug/L		100	51 - 137
Isopropylbenzene	ND		50.0	45.6		ug/L		91	85 - 124
Methacrylonitrile	ND		250	241		ug/L		96	70 - 118
Methyl acetate	ND		50.0	45.5		ug/L		91	49 - 150
Methyl methacrylate	ND		50.0	42.8		ug/L		86	61 - 115
Methyl tert-butyl ether	ND		50.0	45.1		ug/L		90	75 - 115
Methylcyclohexane	ND		50.0	49.4		ug/L		99	85 - 137
Methylene Chloride	ND		50.0	46.6		ug/L		93	85 - 115
m-Xylene & p-Xylene	ND		100	96.8		ug/L		97	85 - 115
Naphthalene	ND		50.0	41.8		ug/L		84	70 - 123
n-Butylbenzene	ND		50.0	50.7		ug/L		101	85 - 115
n-Hexane	ND		50.0	49.5		ug/L		99	85 - 137
N-Propylbenzene	ND		50.0	44.6		ug/L		89	85 - 115

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

Lab Sample ID: 160-2027-10 MS
Matrix: Water
Analysis Batch: 46058

Client Sample ID: I-66
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	ND		50.0	44.5		ug/L		89	85 - 118
Propionitrile	ND		250	255		ug/L		102	69 - 120
sec-Butylbenzene	ND		50.0	44.0		ug/L		88	83 - 117
Styrene	ND		50.0	49.1		ug/L		98	85 - 115
tert-Butylbenzene	ND		50.0	45.2		ug/L		90	85 - 122
Tetrachloroethene	ND		50.0	47.2		ug/L		94	85 - 118
Tetrahydrofuran	ND		250	235		ug/L		94	63 - 115
Toluene	ND		50.0	49.7		ug/L		99	85 - 118
trans-1,2-Dichloroethene	ND		50.0	44.9		ug/L		90	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	50.0		ug/L		100	76 - 115
Trichloroethene	ND		50.0	45.2		ug/L		90	85 - 115
Trichlorofluoromethane	ND		50.0	49.6		ug/L		99	85 - 115
Vinyl acetate	ND		50.0	62.0		ug/L		124	24 - 136
Vinyl chloride	ND		50.0	48.1		ug/L		96	63 - 129
Xylenes, Total	ND		150	141		ug/L		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*82 - 121*
1,2-Dichloroethane-d4 (Surr)	*98*		*82 - 132*
Dibromofluoromethane (Surr)	*98*		*85 - 119*
Toluene-d8 (Surr)	*98*		*85 - 115*

Lab Sample ID: 160-2027-10 MSD
Matrix: Water
Analysis Batch: 46058

Client Sample ID: I-66
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	51.4		ug/L		103	85 - 115	4	20
1,1,1-Trichloroethane	ND		50.0	50.9		ug/L		102	85 - 118	7	20
1,1,2,2-Tetrachloroethane	ND		50.0	46.7		ug/L		93	85 - 116	9	20
1,1,2-Trichloroethane	ND		50.0	44.3		ug/L		89	85 - 115	0	20
1,1-Dichloroethane	ND		50.0	49.8		ug/L		100	85 - 115	4	20
1,1-Dichloroethene	ND		50.0	48.9		ug/L		98	85 - 118	9	20
1,1-Dichloropropene	ND		50.0	47.3		ug/L		95	85 - 115	2	20
1,2,3-Trichlorobenzene	ND		50.0	45.7		ug/L		91	70 - 120	7	20
1,2,3-Trichloropropane	ND		50.0	43.3		ug/L		87	80 - 115	1	20
1,2,4-Trichlorobenzene	ND		50.0	47.5		ug/L		95	75 - 124	8	20
1,2,4-Trimethylbenzene	ND		50.0	51.8		ug/L		104	85 - 115	2	20
1,2-Dibromo-3-chloropropane	ND		50.0	44.8		ug/L		90	71 - 123	8	20
1,2-Dibromoethane	ND		50.0	46.1		ug/L		92	85 - 115	1	20
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	58.3		ug/L		117	47 - 130	10	20
1,2-Dichlorobenzene	ND		50.0	43.7		ug/L		87	84 - 115	4	20
1,2-Dichloroethane	ND		50.0	47.4		ug/L		95	80 - 125	2	20
1,2-Dichloroethene, Total	ND		100	96.3		ug/L		96	85 - 115	5	20
1,2-Dichloropropane	ND		50.0	47.4		ug/L		95	85 - 117	4	20
1,3,5-Trimethylbenzene	ND		50.0	52.4		ug/L		105	85 - 116	3	20

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

Lab Sample ID: 160-2027-10 MSD
Matrix: Water
Analysis Batch: 46058

Client Sample ID: I-66
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND		50.0	42.8		ug/L		86	84 - 115	0	20
1,3-Dichloropropane	ND		50.0	46.0		ug/L		92	85 - 115	0	20
1,4-Dichlorobenzene	ND		50.0	47.7		ug/L		95	85 - 115	0	20
1,4-Dioxane	ND		1000	1050		ug/L		105	36 - 157	16	20
1-Butanol	ND		500	464		ug/L		93	53 - 140	11	20
2,2-Dichloropropane	ND		50.0	54.4		ug/L		109	80 - 122	8	20
2-Butanone (MEK)	ND		50.0	43.5		ug/L		87	73 - 133	5	20
2-Chloro-1,3-butadiene	ND		50.0	51.0		ug/L		102	70 - 115	4	20
2-Chloroethyl vinyl ether	ND		50.0	ND	F	ug/L		0	15 - 147	NC	20
2-Chlorotoluene	ND		50.0	46.3		ug/L		93	84 - 117	3	20
2-Hexanone	ND		50.0	50.8		ug/L		102	66 - 121	0	20
2-Nitropropane	ND		100	99.4		ug/L		99	64 - 118	5	20
4-Chlorotoluene	ND		50.0	43.5		ug/L		87	85 - 115	0	20
4-Isopropyltoluene	ND		50.0	52.9		ug/L		106	85 - 116	5	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	52.9		ug/L		106	77 - 134	2	20
Acetone	ND		50.0	51.9		ug/L		104	38 - 150	13	20
Acetonitrile	ND		250	285		ug/L		114	44 - 141	10	20
Acrolein	ND		250	325	F	ug/L		130	60 - 122	10	20
Acrylonitrile	ND		250	274		ug/L		110	78 - 128	9	20
Allyl chloride	ND		50.0	52.9		ug/L		106	76 - 119	7	20
Benzene	ND		50.0	48.8		ug/L		98	85 - 115	4	20
Bromobenzene	ND		50.0	44.5		ug/L		89	85 - 115	1	20
Bromochloromethane	ND		50.0	46.8		ug/L		94	85 - 115	4	20
Bromodichloromethane	ND		50.0	46.8		ug/L		94	56 - 119	3	20
Bromoform	ND		50.0	46.1		ug/L		92	84 - 116	3	20
Bromomethane	ND		50.0	44.4		ug/L		89	70 - 135	9	20
Carbon disulfide	ND		50.0	53.9		ug/L		108	85 - 127	10	20
Carbon tetrachloride	ND		50.0	52.1		ug/L		104	85 - 121	10	20
Chlorobenzene	ND		50.0	44.3		ug/L		89	85 - 115	2	20
Chloroethane	ND		50.0	41.2		ug/L		82	73 - 123	5	20
Chloroform	ND		50.0	48.4		ug/L		97	85 - 115	2	20
Chloromethane	ND		50.0	52.1		ug/L		104	67 - 130	13	20
cis-1,2-Dichloroethene	ND		50.0	48.7		ug/L		97	80 - 116	5	20
cis-1,3-Dichloropropene	ND		50.0	43.1		ug/L		86	85 - 124	4	20
Cyclohexane	ND		50.0	52.0		ug/L		104	73 - 115	6	20
Cyclohexanone	ND		500	522		ug/L		104	26 - 121	14	20
Dibromochloromethane	ND		50.0	47.0		ug/L		94	85 - 115	0	20
Dibromomethane	ND		50.0	46.5		ug/L		93	85 - 115	3	20
Dichlorodifluoromethane	ND		50.0	54.0		ug/L		108	85 - 119	9	20
Ethyl acetate	ND		100	101		ug/L		101	71 - 116	7	20
Ethyl ether	ND		100	97.4		ug/L		97	79 - 115	1	20
Ethyl methacrylate	ND		50.0	50.3		ug/L		101	67 - 115	1	20
Ethylbenzene	0.32	J	50.0	52.1		ug/L		104	85 - 115	5	20
Hexachlorobutadiene	ND		50.0	49.4		ug/L		99	64 - 134	5	20
Iodomethane	ND		50.0	50.3		ug/L		101	78 - 126	8	20
Isobutanol	ND		1000	1150		ug/L		115	51 - 137	14	20
Isopropylbenzene	ND		50.0	46.7		ug/L		93	85 - 124	3	20
Methacrylonitrile	ND		250	247		ug/L		99	70 - 118	2	20

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

Lab Sample ID: 160-2027-10 MSD
Matrix: Water
Analysis Batch: 46058

Client Sample ID: I-66
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	ND		50.0	45.7		ug/L		91	49 - 150	0	20
Methyl methacrylate	ND		50.0	43.3		ug/L		87	61 - 115	1	20
Methyl tert-butyl ether	ND		50.0	49.4		ug/L		99	75 - 115	9	20
Methylcyclohexane	ND		50.0	54.0		ug/L		108	85 - 137	9	20
Methylene Chloride	ND		50.0	50.1		ug/L		100	85 - 115	7	20
m-Xylene & p-Xylene	ND		100	103		ug/L		103	85 - 115	6	20
Naphthalene	ND		50.0	44.3		ug/L		89	70 - 123	6	20
n-Butylbenzene	ND		50.0	52.6		ug/L		105	85 - 115	4	20
n-Hexane	ND		50.0	52.7		ug/L		105	85 - 137	6	20
N-Propylbenzene	ND		50.0	46.5		ug/L		93	85 - 115	4	20
o-Xylene	ND		50.0	47.1		ug/L		94	85 - 118	6	20
Propionitrile	ND		250	270		ug/L		108	69 - 120	6	20
sec-Butylbenzene	ND		50.0	44.6		ug/L		89	83 - 117	1	20
Styrene	ND		50.0	51.9		ug/L		104	85 - 115	5	20
tert-Butylbenzene	ND		50.0	44.0		ug/L		88	85 - 122	3	20
Tetrachloroethene	ND		50.0	47.4		ug/L		95	85 - 118	0	20
Tetrahydrofuran	ND		250	245		ug/L		98	63 - 115	4	20
Toluene	ND		50.0	51.6		ug/L		103	85 - 118	4	20
trans-1,2-Dichloroethene	ND		50.0	47.6		ug/L		95	84 - 115	6	20
trans-1,3-Dichloropropene	ND		50.0	46.9		ug/L		94	85 - 127	1	20
trans-1,4-Dichloro-2-butene	ND		50.0	46.7		ug/L		93	76 - 115	7	20
Trichloroethene	ND		50.0	46.6		ug/L		93	85 - 115	3	20
Trichlorofluoromethane	ND		50.0	54.6		ug/L		109	85 - 115	10	20
Vinyl acetate	ND		50.0	62.8		ug/L		126	24 - 136	1	20
Vinyl chloride	ND		50.0	51.7		ug/L		103	63 - 129	7	20
Xylenes, Total	ND		150	150		ug/L		100	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*82 - 121*
1,2-Dichloroethane-d4 (Surr)	*99*		*82 - 132*
Dibromofluoromethane (Surr)	*102*		*85 - 119*
Toluene-d8 (Surr)	*104*		*85 - 115*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 160-45567/1-A
Matrix: Water
Analysis Batch: 45942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:28	04/12/13 18:54	1
Antimony	ND		10	4.0	ug/L		04/11/13 13:28	04/12/13 18:54	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:28	04/12/13 18:54	1
Barium	ND		50	4.0	ug/L		04/11/13 13:28	04/12/13 18:54	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:28	04/12/13 18:54	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:28	04/12/13 18:54	1
Calcium	ND		1000	110	ug/L		04/11/13 13:28	04/12/13 18:54	1
Chromium	ND		10	3.1	ug/L		04/11/13 13:28	04/12/13 18:54	1

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

Lab Sample ID: MB 160-45567/1-A
Matrix: Water
Analysis Batch: 45942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		50	4.0	ug/L		04/11/13 13:28	04/12/13 18:54	1
Copper	ND		25	4.6	ug/L		04/11/13 13:28	04/12/13 18:54	1
Iron	ND		100	28	ug/L		04/11/13 13:28	04/12/13 18:54	1
Lead	ND		10	1.5	ug/L		04/11/13 13:28	04/12/13 18:54	1
Magnesium	ND		1000	130	ug/L		04/11/13 13:28	04/12/13 18:54	1
Manganese	ND		15	3.3	ug/L		04/11/13 13:28	04/12/13 18:54	1
Nickel	ND		40	13	ug/L		04/11/13 13:28	04/12/13 18:54	1
Potassium	ND		5000	1700	ug/L		04/11/13 13:28	04/12/13 18:54	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:28	04/12/13 18:54	1
Silver	ND		10	6.0	ug/L		04/11/13 13:28	04/12/13 18:54	1
Sodium	ND		1000	320	ug/L		04/11/13 13:28	04/12/13 18:54	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:28	04/12/13 18:54	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:28	04/12/13 18:54	1
Zinc	ND		20	5.2	ug/L		04/11/13 13:28	04/12/13 18:54	1

Lab Sample ID: LCS 160-45567/2-A
Matrix: Water
Analysis Batch: 45942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9950		ug/L		99	80 - 120
Antimony	500	551		ug/L		110	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	1030		ug/L		103	80 - 120
Calcium	10000	10500		ug/L		105	80 - 120
Chromium	1000	1040		ug/L		104	80 - 120
Cobalt	1000	1060		ug/L		106	80 - 120
Copper	1000	1120		ug/L		112	80 - 120
Iron	10000	10300		ug/L		103	80 - 120
Lead	1000	1090		ug/L		109	80 - 120
Magnesium	10000	9840		ug/L		98	80 - 120
Manganese	1000	1000		ug/L		100	80 - 120
Nickel	1000	1050		ug/L		105	80 - 120
Potassium	10000	10100		ug/L		101	80 - 120
Selenium	1000	1070		ug/L		107	80 - 120
Silver	100	97.9		ug/L		98	80 - 120
Sodium	10000	9890		ug/L		99	80 - 120
Thallium	200	218		ug/L		109	80 - 120
Vanadium	1000	981		ug/L		98	80 - 120
Zinc	1000	1040		ug/L		104	80 - 120

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 45942

Client Sample ID: MW-103
Prep Type: Total/NA
Prep Batch: 45567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	13000		10000	29100	F	ug/L		158	75 - 125

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

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 45942

Client Sample ID: MW-103
Prep Type: Total/NA
Prep Batch: 45567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		500	542		ug/L		108	75 - 125
Arsenic	ND		1000	1070		ug/L		107	75 - 125
Barium	320		1000	1380		ug/L		106	75 - 125
Beryllium	ND		1000	1040		ug/L		104	75 - 125
Cadmium	ND		1000	1040		ug/L		104	75 - 125
Calcium	160000		10000	175000	4	ug/L		104	75 - 125
Chromium	20	J	1000	1090		ug/L		108	75 - 125
Cobalt	ND		1000	1080		ug/L		108	75 - 125
Copper	ND		1000	1160		ug/L		116	75 - 125
Iron	11000		10000	21800		ug/L		103	75 - 125
Lead	22	J	1000	1140		ug/L		112	75 - 125
Magnesium	47000		10000	56300	4	ug/L		97	75 - 125
Manganese	620		1000	1610		ug/L		99	75 - 125
Nickel	ND		1000	1110		ug/L		111	75 - 125
Potassium	ND		10000	18400	J F	ug/L		184	75 - 125
Selenium	34	J	1000	1110		ug/L		108	75 - 125
Silver	ND		100	99.5		ug/L		100	75 - 125
Sodium	20000		10000	29800		ug/L		95	75 - 125
Thallium	ND		200	229		ug/L		114	75 - 125
Vanadium	26	J	1000	1000		ug/L		98	75 - 125
Zinc	75	J	1000	1120		ug/L		105	75 - 125

Lab Sample ID: 160-2027-1 MSD
Matrix: Water
Analysis Batch: 45942

Client Sample ID: MW-103
Prep Type: Total/NA
Prep Batch: 45567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	13000		10000	27900	F	ug/L		145	75 - 125	4	20
Antimony	ND		500	535		ug/L		107	75 - 125	1	20
Arsenic	ND		1000	1060		ug/L		106	75 - 125	1	20
Barium	320		1000	1350		ug/L		103	75 - 125	2	20
Beryllium	ND		1000	1030		ug/L		103	75 - 125	1	20
Cadmium	ND		1000	1030		ug/L		103	75 - 125	1	20
Calcium	160000		10000	173000	4	ug/L		85	75 - 125	1	20
Chromium	20	J	1000	1080		ug/L		106	75 - 125	2	20
Cobalt	ND		1000	1060		ug/L		106	75 - 125	2	20
Copper	ND		1000	1130		ug/L		113	75 - 125	2	20
Iron	11000		10000	21200		ug/L		97	75 - 125	3	20
Lead	22	J	1000	1140		ug/L		111	75 - 125	0	20
Magnesium	47000		10000	56000	4	ug/L		94	75 - 125	1	20
Manganese	620		1000	1600		ug/L		98	75 - 125	1	20
Nickel	ND		1000	1100		ug/L		110	75 - 125	1	20
Potassium	ND		10000	18100	J F	ug/L		181	75 - 125	2	20
Selenium	34	J	1000	1090		ug/L		106	75 - 125	2	20
Silver	ND		100	99.0		ug/L		99	75 - 125	1	20
Sodium	20000		10000	29500		ug/L		92	75 - 125	1	20
Thallium	ND		200	220		ug/L		110	75 - 125	4	20
Vanadium	26	J	1000	995		ug/L		97	75 - 125	1	20

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

Lab Sample ID: 160-2027-1 MSD
Matrix: Water
Analysis Batch: 45942

Client Sample ID: MW-103
Prep Type: Total/NA
Prep Batch: 45567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	75	J	1000	1110		ug/L		104	75 - 125	1	20

Lab Sample ID: MB 160-45569/1-A
Matrix: Water
Analysis Batch: 46208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/11/13 13:30	04/15/13 15:29	1
Antimony	4.10	J	10	4.0	ug/L		04/11/13 13:30	04/15/13 15:29	1
Arsenic	ND		10	2.0	ug/L		04/11/13 13:30	04/15/13 15:29	1
Barium	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 15:29	1
Beryllium	ND		5.0	0.61	ug/L		04/11/13 13:30	04/15/13 15:29	1
Cadmium	ND		5.0	0.91	ug/L		04/11/13 13:30	04/15/13 15:29	1
Calcium	ND		1000	110	ug/L		04/11/13 13:30	04/15/13 15:29	1
Chromium	ND		10	3.1	ug/L		04/11/13 13:30	04/15/13 15:29	1
Cobalt	ND		50	4.0	ug/L		04/11/13 13:30	04/15/13 15:29	1
Copper	ND		25	4.6	ug/L		04/11/13 13:30	04/15/13 15:29	1
Iron	41.4	J	100	28	ug/L		04/11/13 13:30	04/15/13 15:29	1
Lead	ND		10	1.5	ug/L		04/11/13 13:30	04/15/13 15:29	1
Magnesium	ND		1000	130	ug/L		04/11/13 13:30	04/15/13 15:29	1
Manganese	ND		15	3.3	ug/L		04/11/13 13:30	04/15/13 15:29	1
Nickel	ND		40	13	ug/L		04/11/13 13:30	04/15/13 15:29	1
Potassium	ND		5000	1700	ug/L		04/11/13 13:30	04/15/13 15:29	1
Selenium	ND		15	2.7	ug/L		04/11/13 13:30	04/15/13 15:29	1
Silver	ND		10	6.0	ug/L		04/11/13 13:30	04/15/13 15:29	1
Sodium	ND		1000	320	ug/L		04/11/13 13:30	04/15/13 15:29	1
Thallium	ND		20	4.0	ug/L		04/11/13 13:30	04/15/13 15:29	1
Vanadium	ND		50	4.1	ug/L		04/11/13 13:30	04/15/13 15:29	1
Zinc	6.80	J	20	5.2	ug/L		04/11/13 13:30	04/15/13 15:29	1

Lab Sample ID: LCS 160-45569/2-A
Matrix: Water
Analysis Batch: 46208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10300		ug/L		103	80 - 120
Antimony	500	538		ug/L		108	80 - 120
Arsenic	1000	1040		ug/L		104	80 - 120
Barium	1000	1020		ug/L		102	80 - 120
Beryllium	1000	1010		ug/L		101	80 - 120
Cadmium	1000	1080		ug/L		108	80 - 120
Calcium	10000	11000		ug/L		110	80 - 120
Chromium	1000	1090		ug/L		109	80 - 120
Cobalt	1000	1120		ug/L		112	80 - 120
Copper	1000	1070		ug/L		107	80 - 120
Iron	10000	10300		ug/L		103	80 - 120
Lead	1000	1110		ug/L		111	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	1000	1060		ug/L		106	80 - 120

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

Lab Sample ID: LCS 160-45569/2-A
Matrix: Water
Analysis Batch: 46208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	1000	1130		ug/L		113	80 - 120
Potassium	10000	9810		ug/L		98	80 - 120
Selenium	1000	1050		ug/L		105	80 - 120
Silver	100	100		ug/L		100	80 - 120
Sodium	10000	9830		ug/L		98	80 - 120
Thallium	200	228		ug/L		114	80 - 120
Vanadium	1000	1020		ug/L		102	80 - 120
Zinc	1000	1070		ug/L		107	80 - 120

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 46208

Client Sample ID: MW-103
Prep Type: Dissolved
Prep Batch: 45569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10000	10700		ug/L		107	75 - 125
Antimony	4.2	J B	500	537		ug/L		107	75 - 125
Arsenic	2.9	J	1000	1040		ug/L		104	75 - 125
Barium	200		1000	1230		ug/L		103	75 - 125
Beryllium	ND		1000	1030		ug/L		103	75 - 125
Cadmium	ND		1000	1100		ug/L		110	75 - 125
Chromium	ND		1000	1060		ug/L		106	75 - 125
Cobalt	ND		1000	1080		ug/L		108	75 - 125
Copper	ND		1000	1050		ug/L		105	75 - 125
Iron	210	B	10000	10400		ug/L		102	75 - 125
Lead	1.7	J	1000	1050		ug/L		105	75 - 125
Magnesium	43000		10000	55200	E 4	ug/L		117	75 - 125
Manganese	510		1000	1590		ug/L		108	75 - 125
Nickel	13	J	1000	1100		ug/L		110	75 - 125
Potassium	4800	J	10000	15200		ug/L		104	75 - 125
Selenium	12	J	1000	1060		ug/L		104	75 - 125
Silver	ND		100	101		ug/L		101	75 - 125
Sodium	20000		10000	31100		ug/L		113	75 - 125
Thallium	ND		200	217		ug/L		108	75 - 125
Vanadium	6.9	J	1000	1040		ug/L		104	75 - 125
Zinc	9.9	J B	1000	1080		ug/L		107	75 - 125

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 46401

Client Sample ID: MW-103
Prep Type: Dissolved
Prep Batch: 45569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	160000		10000	173000	4	ug/L		115	75 - 125

Lab Sample ID: 160-2027-1 MSD
Matrix: Water
Analysis Batch: 46208

Client Sample ID: MW-103
Prep Type: Dissolved
Prep Batch: 45569

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	1	20

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

Lab Sample ID: 160-2027-1 MSD — **Client Sample ID: MW-103**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 46208 — **Prep Batch: 45569**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.2	J B	500	530		ug/L		105	75 - 125	1	20
Arsenic	2.9	J	1000	1030		ug/L		102	75 - 125	1	20
Barium	200		1000	1210		ug/L		102	75 - 125	1	20
Beryllium	ND		1000	1020		ug/L		102	75 - 125	1	20
Cadmium	ND		1000	1090		ug/L		109	75 - 125	1	20
Chromium	ND		1000	1040		ug/L		104	75 - 125	2	20
Cobalt	ND		1000	1070		ug/L		107	75 - 125	1	20
Copper	ND		1000	1030		ug/L		103	75 - 125	2	20
Iron	210	B	10000	10300		ug/L		101	75 - 125	1	20
Lead	1.7	J	1000	1040		ug/L		104	75 - 125	1	20
Magnesium	43000		10000	54700	E 4	ug/L		113	75 - 125	1	20
Manganese	510		1000	1580		ug/L		107	75 - 125	1	20
Nickel	13	J	1000	1090		ug/L		109	75 - 125	1	20
Potassium	4800	J	10000	15000		ug/L		102	75 - 125	1	20
Selenium	12	J	1000	1050		ug/L		104	75 - 125	1	20
Silver	ND		100	98.6		ug/L		99	75 - 125	2	20
Sodium	20000		10000	30800		ug/L		109	75 - 125	1	20
Thallium	ND		200	214		ug/L		107	75 - 125	1	20
Vanadium	6.9	J	1000	1030		ug/L		103	75 - 125	1	20
Zinc	9.9	J B	1000	1070		ug/L		106	75 - 125	1	20

Lab Sample ID: 160-2027-1 MSD — **Client Sample ID: MW-103**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 46401 — **Prep Batch: 45569**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	160000		10000	169000	4	ug/L		78	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 160-46413/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46721 — **Prep Batch: 46413**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:57	04/17/13 16:02	1

Lab Sample ID: LCS 160-46413/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46721 — **Prep Batch: 46413**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			1.00	0.906		ug/L		91	80 - 120		

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 160-2027-2 MS
Matrix: Water
Analysis Batch: 46721

Client Sample ID: PZ-200-SS
Prep Type: Total/NA
Prep Batch: 46413

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	0.987		ug/L		99	80 - 120

Lab Sample ID: 160-2027-2 MSD
Matrix: Water
Analysis Batch: 46721

Client Sample ID: PZ-200-SS
Prep Type: Total/NA
Prep Batch: 46413

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	0.973		ug/L		97	80 - 120	1	20

Lab Sample ID: MB 160-46415/1-A
Matrix: Water
Analysis Batch: 46721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/17/13 09:59	04/17/13 16:41	1

Lab Sample ID: LCS 160-46415/2-A
Matrix: Water
Analysis Batch: 46721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	ND	*	ug/L		-5	80 - 120

Lab Sample ID: MB 160-46718/1-A
Matrix: Water
Analysis Batch: 46911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/18/13 12:29	04/18/13 15:48	1

Lab Sample ID: LCS 160-46718/2-A
Matrix: Water
Analysis Batch: 46911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 160-2027-2 MS
Matrix: Water
Analysis Batch: 46721

Client Sample ID: PZ-200-SS
Prep Type: Dissolved
Prep Batch: 46415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND	*	1.00	1.01		ug/L		101	80 - 120

Lab Sample ID: 160-2027-2 MSD
Matrix: Water
Analysis Batch: 46721

Client Sample ID: PZ-200-SS
Prep Type: Dissolved
Prep Batch: 46415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND	*	1.00	0.975		ug/L		97	80 - 120	3	20

Lab Sample ID: 160-2027-3 MS
Matrix: Water
Analysis Batch: 46911

Client Sample ID: S-61
Prep Type: Dissolved
Prep Batch: 46718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	1.06		ug/L		106	80 - 120

Lab Sample ID: 160-2027-3 MSD
Matrix: Water
Analysis Batch: 46911

Client Sample ID: S-61
Prep Type: Dissolved
Prep Batch: 46718

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	0.983		ug/L		98	80 - 120	8	20

Method: 300.0 - Anions, Ion Chromatography

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

Lab Sample ID: LCS 160-45346/38
Matrix: Water
Analysis Batch: 45346

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

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: 160-2027-8 MS
Matrix: Water
Analysis Batch: 45346

Client Sample ID: PZ-203-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iodide	ND		4.00	3.91		mg/L		98	90 - 110

Lab Sample ID: MB 160-45380/40
Matrix: Water
Analysis Batch: 45380

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			04/09/13 00:32	1
Chloride	ND		0.20	0.020	mg/L			04/09/13 00:32	1
Bromide	ND		0.25	0.025	mg/L			04/09/13 00:32	1
Sulfate	ND		0.50	0.050	mg/L			04/09/13 00:32	1

Lab Sample ID: LCS 160-45380/41
Matrix: Water
Analysis Batch: 45380

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	0.389		mg/L		97	90 - 110
Chloride	2.00	1.93		mg/L		97	90 - 110
Bromide	2.00	1.97		mg/L		99	90 - 110
Sulfate	8.00	7.66		mg/L		96	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 160-2027-1 MS — **Client Sample ID: MW-103**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.053	H	0.400	0.429		mg/L		94	90 - 110
Bromide	0.17	J	2.00	2.08		mg/L		96	90 - 110

Lab Sample ID: 160-2027-11 MS — **Client Sample ID: PZ-305-AI**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	ND	H	0.400	0.360		mg/L		90	90 - 110
Bromide	0.60		2.00	2.48		mg/L		94	90 - 110
Sulfate	1.8		4.00	5.35		mg/L		90	90 - 110

Lab Sample ID: 160-2027-1 DU — **Client Sample ID: MW-103**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45380

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	0.053	H	0.0538		mg/L		1	20
Bromide	0.17	J	0.181	J	mg/L		4	20

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 160-2027-1 MS — **Client Sample ID: MW-103**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride - DL	29		40.0	68.7		mg/L		98	90 - 110
Sulfate - DL	68		80.0	143		mg/L		94	90 - 110

Lab Sample ID: 160-2027-11 MS — **Client Sample ID: PZ-305-AI**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride - DL	66		40.0	108		mg/L		103	90 - 110

Lab Sample ID: 160-2027-1 DU — **Client Sample ID: MW-103**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45380

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride - DL	29		29.0		mg/L		1	20
Sulfate - DL	68		67.3		mg/L		0.9	20

Method: 310.1 - Alkalinity

Lab Sample ID: MB 160-45533/1
Matrix: Water
Analysis Batch: 45533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	0.250	J	1.3	0.14	mg/L			04/11/13 10:12	1

Lab Sample ID: LCS 160-45533/3
Matrix: Water
Analysis Batch: 45533

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	400	380		mg/L		95	90 - 110

Lab Sample ID: LLCS 160-45533/2
Matrix: Water
Analysis Batch: 45533

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	190		mg/L		95	90 - 110

Lab Sample ID: 160-2027-1 MS
Matrix: Water
Analysis Batch: 45533

Client Sample ID: MW-103
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	480	B	20.0	498	4	mg/L		90	80 - 120

Lab Sample ID: 160-2027-1 DU
Matrix: Water
Analysis Batch: 45533

Client Sample ID: MW-103
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	480	B	486		mg/L		1	20

GC/MS VOA

Analysis Batch: 45293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	8260C	
160-2027-1 MS	MW-103	Total/NA	Water	8260C	
160-2027-1 MSD	MW-103	Total/NA	Water	8260C	
160-2027-2	PZ-200-SS	Total/NA	Water	8260C	
160-2027-3	S-61	Total/NA	Water	8260C	
160-2027-4	PZ-115-SS	Total/NA	Water	8260C	
160-2027-5	MW-104	Total/NA	Water	8260C	
160-2027-6	PZ-100-SD	Total/NA	Water	8260C	
160-2027-7	I-67	Total/NA	Water	8260C	
160-2027-8	PZ-203-SS	Total/NA	Water	8260C	
160-2027-9	PZ-100-SS	Total/NA	Water	8260C	
160-2027-14	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
160-2027-10	I-66	Total/NA	Water	8260C	
160-2027-10 MS	I-66	Total/NA	Water	8260C	
160-2027-10 MSD	I-66	Total/NA	Water	8260C	
160-2027-11	PZ-305-AI	Total/NA	Water	8260C	
160-2027-12	DUP 03	Total/NA	Water	8260C	
160-2027-13	DUP 04	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: 45567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	3010A	
160-2027-1 MS	MW-103	Total/NA	Water	3010A	
160-2027-1 MSD	MW-103	Total/NA	Water	3010A	
160-2027-2	PZ-200-SS	Total/NA	Water	3010A	
160-2027-3	S-61	Total/NA	Water	3010A	
160-2027-4	PZ-115-SS	Total/NA	Water	3010A	
160-2027-5	MW-104	Total/NA	Water	3010A	
160-2027-6	PZ-100-SD	Total/NA	Water	3010A	
160-2027-7	I-67	Total/NA	Water	3010A	
160-2027-8	PZ-203-SS	Total/NA	Water	3010A	
160-2027-9	PZ-100-SS	Total/NA	Water	3010A	
160-2027-10	I-66	Total/NA	Water	3010A	
160-2027-11	PZ-305-AI	Total/NA	Water	3010A	
160-2027-12	DUP 03	Total/NA	Water	3010A	
160-2027-13	DUP 04	Total/NA	Water	3010A	
LCS 160-45567/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-45567/1-A	Method Blank	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 45569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Dissolved	Water	3010A	
160-2027-1 MS	MW-103	Dissolved	Water	3010A	
160-2027-1 MSD	MW-103	Dissolved	Water	3010A	
160-2027-2	PZ-200-SS	Dissolved	Water	3010A	
160-2027-3	S-61	Dissolved	Water	3010A	
160-2027-4	PZ-115-SS	Dissolved	Water	3010A	
160-2027-5	MW-104	Dissolved	Water	3010A	
160-2027-6	PZ-100-SD	Dissolved	Water	3010A	
160-2027-7	I-67	Dissolved	Water	3010A	
160-2027-8	PZ-203-SS	Dissolved	Water	3010A	
160-2027-9	PZ-100-SS	Dissolved	Water	3010A	
160-2027-10	I-66	Dissolved	Water	3010A	
160-2027-11	PZ-305-AI	Dissolved	Water	3010A	
160-2027-12	DUP 03	Dissolved	Water	3010A	
160-2027-13	DUP 04	Dissolved	Water	3010A	
LCS 160-45569/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-45569/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 45942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	6010C	45567
160-2027-1 MS	MW-103	Total/NA	Water	6010C	45567
160-2027-1 MSD	MW-103	Total/NA	Water	6010C	45567
160-2027-2	PZ-200-SS	Total/NA	Water	6010C	45567
160-2027-3	S-61	Total/NA	Water	6010C	45567
160-2027-4	PZ-115-SS	Total/NA	Water	6010C	45567
160-2027-5	MW-104	Total/NA	Water	6010C	45567
160-2027-6	PZ-100-SD	Total/NA	Water	6010C	45567
160-2027-7	I-67	Total/NA	Water	6010C	45567
160-2027-8	PZ-203-SS	Total/NA	Water	6010C	45567
160-2027-9	PZ-100-SS	Total/NA	Water	6010C	45567
160-2027-10	I-66	Total/NA	Water	6010C	45567
160-2027-11	PZ-305-AI	Total/NA	Water	6010C	45567
160-2027-12	DUP 03	Total/NA	Water	6010C	45567
160-2027-13	DUP 04	Total/NA	Water	6010C	45567
LCS 160-45567/2-A	Lab Control Sample	Total/NA	Water	6010C	45567
MB 160-45567/1-A	Method Blank	Total/NA	Water	6010C	45567

Analysis Batch: 45995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-11	PZ-305-AI	Total/NA	Water	6010C	45567
160-2027-13	DUP 04	Total/NA	Water	6010C	45567

Analysis Batch: 46208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Dissolved	Water	6010C	45569
160-2027-1 MS	MW-103	Dissolved	Water	6010C	45569
160-2027-1 MSD	MW-103	Dissolved	Water	6010C	45569
160-2027-2	PZ-200-SS	Dissolved	Water	6010C	45569
160-2027-3	S-61	Dissolved	Water	6010C	45569
160-2027-4	PZ-115-SS	Dissolved	Water	6010C	45569

Metals (Continued)

Analysis Batch: 46208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-5	MW-104	Dissolved	Water	6010C	45569
160-2027-6	PZ-100-SD	Dissolved	Water	6010C	45569
160-2027-7	I-67	Dissolved	Water	6010C	45569
160-2027-8	PZ-203-SS	Dissolved	Water	6010C	45569
160-2027-9	PZ-100-SS	Dissolved	Water	6010C	45569
160-2027-10	I-66	Dissolved	Water	6010C	45569
160-2027-11	PZ-305-AI	Dissolved	Water	6010C	45569
160-2027-12	DUP 03	Dissolved	Water	6010C	45569
160-2027-13	DUP 04	Dissolved	Water	6010C	45569
LCS 160-45569/2-A	Lab Control Sample	Total/NA	Water	6010C	45569
MB 160-45569/1-A	Method Blank	Total/NA	Water	6010C	45569

Analysis Batch: 46401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Dissolved	Water	6010C	45569
160-2027-1 MS	MW-103	Dissolved	Water	6010C	45569
160-2027-1 MSD	MW-103	Dissolved	Water	6010C	45569
160-2027-2	PZ-200-SS	Dissolved	Water	6010C	45569
160-2027-3	S-61	Dissolved	Water	6010C	45569
160-2027-4	PZ-115-SS	Dissolved	Water	6010C	45569
160-2027-5	MW-104	Dissolved	Water	6010C	45569
160-2027-6	PZ-100-SD	Dissolved	Water	6010C	45569
160-2027-7	I-67	Dissolved	Water	6010C	45569
160-2027-8	PZ-203-SS	Dissolved	Water	6010C	45569
160-2027-9	PZ-100-SS	Dissolved	Water	6010C	45569
160-2027-10	I-66	Dissolved	Water	6010C	45569
160-2027-11	PZ-305-AI	Dissolved	Water	6010C	45569
160-2027-12	DUP 03	Dissolved	Water	6010C	45569
160-2027-13	DUP 04	Dissolved	Water	6010C	45569

Prep Batch: 46413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	7470A	
160-2027-2	PZ-200-SS	Total/NA	Water	7470A	
160-2027-2 MS	PZ-200-SS	Total/NA	Water	7470A	
160-2027-2 MSD	PZ-200-SS	Total/NA	Water	7470A	
160-2027-3	S-61	Total/NA	Water	7470A	
160-2027-4	PZ-115-SS	Total/NA	Water	7470A	
160-2027-5	MW-104	Total/NA	Water	7470A	
160-2027-6	PZ-100-SD	Total/NA	Water	7470A	
160-2027-7	I-67	Total/NA	Water	7470A	
160-2027-8	PZ-203-SS	Total/NA	Water	7470A	
160-2027-9	PZ-100-SS	Total/NA	Water	7470A	
160-2027-10	I-66	Total/NA	Water	7470A	
160-2027-11	PZ-305-AI	Total/NA	Water	7470A	
160-2027-12	DUP 03	Total/NA	Water	7470A	
160-2027-13	DUP 04	Total/NA	Water	7470A	
LCS 160-46413/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-46413/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 46415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Dissolved	Water	7470A	
160-2027-2	PZ-200-SS	Dissolved	Water	7470A	
160-2027-2 MS	PZ-200-SS	Dissolved	Water	7470A	
160-2027-2 MSD	PZ-200-SS	Dissolved	Water	7470A	
160-2027-3	S-61	Dissolved	Water	7470A	
160-2027-4	PZ-115-SS	Dissolved	Water	7470A	
160-2027-5	MW-104	Dissolved	Water	7470A	
160-2027-6	PZ-100-SD	Dissolved	Water	7470A	
160-2027-7	I-67	Dissolved	Water	7470A	
160-2027-8	PZ-203-SS	Dissolved	Water	7470A	
160-2027-9	PZ-100-SS	Dissolved	Water	7470A	
160-2027-10	I-66	Dissolved	Water	7470A	
160-2027-11	PZ-305-AI	Dissolved	Water	7470A	
160-2027-12	DUP 03	Dissolved	Water	7470A	
160-2027-13	DUP 04	Dissolved	Water	7470A	
LCS 160-46415/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-46415/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 46718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Dissolved	Water	7470A	
160-2027-2	PZ-200-SS	Dissolved	Water	7470A	
160-2027-3	S-61	Dissolved	Water	7470A	
160-2027-3 MS	S-61	Dissolved	Water	7470A	
160-2027-3 MSD	S-61	Dissolved	Water	7470A	
160-2027-4	PZ-115-SS	Dissolved	Water	7470A	
160-2027-5	MW-104	Dissolved	Water	7470A	
160-2027-6	PZ-100-SD	Dissolved	Water	7470A	
160-2027-7	I-67	Dissolved	Water	7470A	
160-2027-8	PZ-203-SS	Dissolved	Water	7470A	
160-2027-9	PZ-100-SS	Dissolved	Water	7470A	
160-2027-10	I-66	Dissolved	Water	7470A	
160-2027-11	PZ-305-AI	Dissolved	Water	7470A	
160-2027-12	DUP 03	Dissolved	Water	7470A	
160-2027-13	DUP 04	Dissolved	Water	7470A	
LCS 160-46718/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-46718/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 46721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	7470A	46413
160-2027-1	MW-103	Dissolved	Water	7470A	46415
160-2027-2	PZ-200-SS	Total/NA	Water	7470A	46413
160-2027-2	PZ-200-SS	Dissolved	Water	7470A	46415
160-2027-2 MS	PZ-200-SS	Total/NA	Water	7470A	46413
160-2027-2 MS	PZ-200-SS	Dissolved	Water	7470A	46415
160-2027-2 MSD	PZ-200-SS	Total/NA	Water	7470A	46413
160-2027-2 MSD	PZ-200-SS	Dissolved	Water	7470A	46415
160-2027-3	S-61	Total/NA	Water	7470A	46413
160-2027-3	S-61	Dissolved	Water	7470A	46415
160-2027-4	PZ-115-SS	Total/NA	Water	7470A	46413

Metals (Continued)

Analysis Batch: 46721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-4	PZ-115-SS	Dissolved	Water	7470A	46415
160-2027-5	MW-104	Total/NA	Water	7470A	46413
160-2027-5	MW-104	Dissolved	Water	7470A	46415
160-2027-6	PZ-100-SD	Total/NA	Water	7470A	46413
160-2027-6	PZ-100-SD	Dissolved	Water	7470A	46415
160-2027-7	I-67	Total/NA	Water	7470A	46413
160-2027-7	I-67	Dissolved	Water	7470A	46415
160-2027-8	PZ-203-SS	Total/NA	Water	7470A	46413
160-2027-8	PZ-203-SS	Dissolved	Water	7470A	46415
160-2027-9	PZ-100-SS	Total/NA	Water	7470A	46413
160-2027-9	PZ-100-SS	Dissolved	Water	7470A	46415
160-2027-10	I-66	Total/NA	Water	7470A	46413
160-2027-10	I-66	Dissolved	Water	7470A	46415
160-2027-11	PZ-305-AI	Total/NA	Water	7470A	46413
160-2027-11	PZ-305-AI	Dissolved	Water	7470A	46415
160-2027-12	DUP 03	Total/NA	Water	7470A	46413
160-2027-12	DUP 03	Dissolved	Water	7470A	46415
160-2027-13	DUP 04	Total/NA	Water	7470A	46413
160-2027-13	DUP 04	Dissolved	Water	7470A	46415
LCS 160-46413/2-A	Lab Control Sample	Total/NA	Water	7470A	46413
LCS 160-46415/2-A	Lab Control Sample	Total/NA	Water	7470A	46415
MB 160-46413/1-A	Method Blank	Total/NA	Water	7470A	46413
MB 160-46415/1-A	Method Blank	Total/NA	Water	7470A	46415

Analysis Batch: 46911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Dissolved	Water	7470A	46718
160-2027-2	PZ-200-SS	Dissolved	Water	7470A	46718
160-2027-3	S-61	Dissolved	Water	7470A	46718
160-2027-3 MS	S-61	Dissolved	Water	7470A	46718
160-2027-3 MSD	S-61	Dissolved	Water	7470A	46718
160-2027-4	PZ-115-SS	Dissolved	Water	7470A	46718
160-2027-5	MW-104	Dissolved	Water	7470A	46718
160-2027-6	PZ-100-SD	Dissolved	Water	7470A	46718
160-2027-7	I-67	Dissolved	Water	7470A	46718
160-2027-8	PZ-203-SS	Dissolved	Water	7470A	46718
160-2027-9	PZ-100-SS	Dissolved	Water	7470A	46718
160-2027-10	I-66	Dissolved	Water	7470A	46718
160-2027-11	PZ-305-AI	Dissolved	Water	7470A	46718
160-2027-12	DUP 03	Dissolved	Water	7470A	46718
160-2027-13	DUP 04	Dissolved	Water	7470A	46718
LCS 160-46718/2-A	Lab Control Sample	Total/NA	Water	7470A	46718
MB 160-46718/1-A	Method Blank	Total/NA	Water	7470A	46718

General Chemistry

Analysis Batch: 45346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	300.0	
160-2027-2	PZ-200-SS	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 45346 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-3	S-61	Total/NA	Water	300.0	
160-2027-4	PZ-115-SS	Total/NA	Water	300.0	
160-2027-5	MW-104	Total/NA	Water	300.0	
160-2027-6	PZ-100-SD	Total/NA	Water	300.0	
160-2027-7	I-67	Total/NA	Water	300.0	
160-2027-8	PZ-203-SS	Total/NA	Water	300.0	
160-2027-8 MS	PZ-203-SS	Total/NA	Water	300.0	
160-2027-9	PZ-100-SS	Total/NA	Water	300.0	
160-2027-10	I-66	Total/NA	Water	300.0	
160-2027-11	PZ-305-AI	Total/NA	Water	300.0	
160-2027-12	DUP 03	Total/NA	Water	300.0	
160-2027-13	DUP 04	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	

Analysis Batch: 45380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	300.0	
160-2027-1 - DL	MW-103	Total/NA	Water	300.0	
160-2027-1 DU - DL	MW-103	Total/NA	Water	300.0	
160-2027-1 DU	MW-103	Total/NA	Water	300.0	
160-2027-1 MS - DL	MW-103	Total/NA	Water	300.0	
160-2027-1 MS	MW-103	Total/NA	Water	300.0	
160-2027-2	PZ-200-SS	Total/NA	Water	300.0	
160-2027-2 - DL	PZ-200-SS	Total/NA	Water	300.0	
160-2027-2 - DL2	PZ-200-SS	Total/NA	Water	300.0	
160-2027-3	S-61	Total/NA	Water	300.0	
160-2027-3 - DL	S-61	Total/NA	Water	300.0	
160-2027-4	PZ-115-SS	Total/NA	Water	300.0	
160-2027-4 - DL2	PZ-115-SS	Total/NA	Water	300.0	
160-2027-5	MW-104	Total/NA	Water	300.0	
160-2027-6	PZ-100-SD	Total/NA	Water	300.0	
160-2027-7	I-67	Total/NA	Water	300.0	
160-2027-7 - DL	I-67	Total/NA	Water	300.0	
160-2027-7 - DL2	I-67	Total/NA	Water	300.0	
160-2027-8	PZ-203-SS	Total/NA	Water	300.0	
160-2027-8 - DL	PZ-203-SS	Total/NA	Water	300.0	
160-2027-9	PZ-100-SS	Total/NA	Water	300.0	
160-2027-9 - DL	PZ-100-SS	Total/NA	Water	300.0	
160-2027-10	I-66	Total/NA	Water	300.0	
160-2027-10 - DL	I-66	Total/NA	Water	300.0	
160-2027-11	PZ-305-AI	Total/NA	Water	300.0	
160-2027-11 - DL	PZ-305-AI	Total/NA	Water	300.0	
160-2027-11 MS - DL	PZ-305-AI	Total/NA	Water	300.0	
160-2027-11 MS	PZ-305-AI	Total/NA	Water	300.0	
160-2027-12	DUP 03	Total/NA	Water	300.0	
160-2027-12 - DL	DUP 03	Total/NA	Water	300.0	
160-2027-12 - DL2	DUP 03	Total/NA	Water	300.0	
160-2027-13	DUP 04	Total/NA	Water	300.0	
160-2027-13 - DL	DUP 04	Total/NA	Water	300.0	
LCS 160-45380/41	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 45380 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-45380/40	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 45533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2027-1	MW-103	Total/NA	Water	310.1	
160-2027-1 DU	MW-103	Total/NA	Water	310.1	
160-2027-1 MS	MW-103	Total/NA	Water	310.1	
160-2027-2	PZ-200-SS	Total/NA	Water	310.1	
160-2027-3	S-61	Total/NA	Water	310.1	
160-2027-4	PZ-115-SS	Total/NA	Water	310.1	
160-2027-5	MW-104	Total/NA	Water	310.1	
160-2027-6	PZ-100-SD	Total/NA	Water	310.1	
160-2027-7	I-67	Total/NA	Water	310.1	
160-2027-8	PZ-203-SS	Total/NA	Water	310.1	
160-2027-9	PZ-100-SS	Total/NA	Water	310.1	
160-2027-10	I-66	Total/NA	Water	310.1	
160-2027-11	PZ-305-AI	Total/NA	Water	310.1	
160-2027-12	DUP 03	Total/NA	Water	310.1	
160-2027-13	DUP 04	Total/NA	Water	310.1	
LCS 160-45533/3	Lab Control Sample	Total/NA	Water	310.1	
LLCS 160-45533/2	Lab Control Sample	Total/NA	Water	310.1	
MB 160-45533/1	Method Blank	Total/NA	Water	310.1	

Surrogate Summary

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

TestAmerica Job ID: 160-2027-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(82-121)	(85-119)	(82-132)	(85-115)
160-2027-1	MW-103	94	107	100	97
160-2027-1 MS	MW-103	91	103	103	102
160-2027-1 MSD	MW-103	90	102	104	102
160-2027-2	PZ-200-SS	91	102	105	94
160-2027-3	S-61	94	108	106	97
160-2027-4	PZ-115-SS	102	97	102	97
160-2027-5	MW-104	93	107	107	97
160-2027-6	PZ-100-SD	97	107	110	94
160-2027-7	I-67	95	106	105	98
160-2027-8	PZ-203-SS	94	110	107	99
160-2027-9	PZ-100-SS	93	108	111	97
160-2027-10	I-66	101	103	104	98
160-2027-10 MS	I-66	87	98	98	98
160-2027-10 MSD	I-66	89	102	99	104
160-2027-11	PZ-305-AI	100	103	103	95
160-2027-12	DUP 03	93	108	110	97
160-2027-13	DUP 04	93	101	103	96
160-2027-14	TRIP BLANK	95	103	101	99
LCS 160-45293/4	Lab Control Sample	90	103	105	104
LCS 160-46058/4-A	Lab Control Sample	87	105	108	105
MB 160-45293/2	Method Blank	99	103	110	97
MB 160-46058/3-A	Method Blank	98	101	105	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)