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: 160-2085-1
Client Project/Site: West Lake Landfill

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 4:32:54 PM

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: 160-2085-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: Engineering Management Support, Inc.

Project: West Lake Landfill

Report Number: 160-2085-1

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 04/12/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.0 C.

VOLATILE ORGANIC COMPOUNDS (GC MS)

Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), PZ-202-SS (160-2085-12), I-4 (160-2085-13), DUP 07 (160-2085-14) and TRIP BLANK (160-2085-15) were analyzed for volatile organic compounds (GC MS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/17/2013, 04/18/2013 and 04/19/2013.

Analytical batch 47057
ICAL-8260C-L5mL-RSD15Low
L130415B

The ICAL %RSD meet the QC limits of 15%RSD or less for all compounds.The ICV %D meets the QC limits of 20%D or less for all

Job ID: 160-2085-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

compounds.Isobutanol was from the initial calibration lowest point due to poor 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 47062
ICAL-8260C-L5mL-RSD15Low
L130415B

The ICAL %RSD meet the QC limits of 15%RSD or less for all compounds.The ICV %D meets the QC limits of 20%D or less for all compounds.Isobutanol was from the initial calibration lowest point due to poor 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 following sample was diluted to bring the concentration of Chlorobenzene within the calibration range: PZ-112-AS (160-2085-10). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

METALS (ICP)-Dissolved

Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), S-53 (160-2085-11), PZ-202-SS (160-2085-12), I-4 (160-2085-13) and DUP 07 (160-2085-14) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/17/2013 and analyzed on 04/23/2013.

Prep batch 46455, analytical batch 47506

The following samples were diluted due to the nature of the sample matrix. The sample digestates were yellow in color: (160-2085-1 MS), (160-2085-1 MSD), (160-2085-1 SD), D-14 (160-2085-9), DUP 07 (160-2085-14), I-4 (160-2085-13), I-73 (160-2085-5), MW-1204 (160-2085-3), PZ-101-SS (160-2085-2), PZ-107-AS (160-2085-7), PZ-112-AS (160-2085-10), PZ-113-AS (160-2085-6), PZ-113-SS (160-2085-4), PZ-116-SS (160-2085-8), PZ-202-SS (160-2085-12), PZ-208-SS (160-2085-1), S-53 (160-2085-11). Elevated reporting limits (RLs) are provided.

The following sample was diluted to bring the concentration of target analytes (calcium) within the calibration range: I-73 (160-2085-5). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the ICP analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), PZ-202-SS (160-2085-12), I-4 (160-2085-13) and DUP 07 (160-2085-14) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/17/2013 and analyzed on 04/22/2013 and 04/23/2013.

Prep batch 46454, analytical batch 47292

The following samples were diluted due to the nature of the sample matrix. The sample digestates were yellow in color: (160-2085-1 MS), (160-2085-1 MSD), (160-2085-1 SD), D-14 (160-2085-9), DUP 07 (160-2085-14), I-4 (160-2085-13), I-73 (160-2085-5), MW-1204 (160-2085-3), PZ-101-SS (160-2085-2), PZ-107-AS (160-2085-7), PZ-112-AS (160-2085-10), PZ-113-AS (160-2085-6), PZ-113-SS (160-2085-4), PZ-116-SS (160-2085-8), PZ-202-SS (160-2085-12), PZ-208-SS (160-2085-1). Elevated reporting limits (RLs) are provided.

Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 46454 could not be evaluated for

Job ID: 160-2085-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Prep batch 46454,analytical batch 47331
The following samples were diluted to bring the concentration of target analytes (calcium) within the calibration range: I-73 (160-2085-5), PZ-107-AS (160-2085-7). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)
Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), S-53 (160-2085-11), PZ-202-SS (160-2085-12), I-4 (160-2085-13) and DUP 07 (160-2085-14) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/24/2013.

The matrix spike (MS) recoveries were outside control limits. The RPD and the associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), PZ-202-SS (160-2085-12), I-4 (160-2085-13) and DUP 07 (160-2085-14) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/24/2013.

The matrix spike (MS) recoveries were outside control limits. The RPD and the associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

ANIONS
Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), PZ-202-SS (160-2085-12), I-4 (160-2085-13) and DUP 07 (160-2085-14) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 04/12/2013, 04/13/2013 and 04/16/2013.

The following samples were diluted to bring the concentrations of Chloride and Sulfate within the calibration range in batch 46264: D-14 (160-2085-9), DUP 07 (160-2085-14), I-4 (160-2085-13), I-73 (160-2085-5), MW-1204 (160-2085-3), PZ-101-SS (160-2085-2), PZ-107-AS (160-2085-7), PZ-112-AS (160-2085-10), PZ-113-AS (160-2085-6), PZ-113-SS (160-2085-4), PZ-116-SS (160-2085-8), PZ-202-SS (160-2085-12), PZ-208-SS (160-2085-1). Elevated reporting limits (RLs) are provided.

The matrix spike (MS) recoveries for Bromide and Nitrate in batch 46264 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria, as did the MS recoveries for the other reported anions in this batch.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

ALKALINITY

Job ID: 160-2085-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

Samples PZ-208-SS (160-2085-1), PZ-101-SS (160-2085-2), MW-1204 (160-2085-3), PZ-113-SS (160-2085-4), I-73 (160-2085-5), PZ-113-AS (160-2085-6), PZ-107-AS (160-2085-7), PZ-116-SS (160-2085-8), D-14 (160-2085-9), PZ-112-AS (160-2085-10), PZ-202-SS (160-2085-12), I-4 (160-2085-13) and DUP 07 (160-2085-14) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 04/25/2013.

For the Alkalinity analysis of the associated samples in batch #47791, the samples were analyzed at a dilution based on high concentrations of target analytes. The reporting limit has been adjusted accordingly.I-4 (160-2085-13), I-73 (160-2085-5), PZ-112-AS (160-2085-10)

No other difficulties were encountered during the alkalinity analyses.

All other quality control parameters were within the acceptance limits.

Login Sample Receipt Checklist

Client: Engineering Management Support, Inc.

Job Number: 160-2085-1

Login Number: 2085

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.	False	COC lists all analysis for S-53, John confirmed only dissolved metals
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

GC/MS VOA

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

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.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
E	Result exceeded calibration range.

General Chemistry

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

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: 160-2085-1

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: 160-2085-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-2085-1	PZ-208-SS	Water	04/12/13 09:10	04/12/13 14:10
160-2085-2	PZ-101-SS	Water	04/12/13 09:15	04/12/13 14:10
160-2085-3	MW-1204	Water	04/12/13 09:26	04/12/13 14:10
160-2085-4	PZ-113-SS	Water	04/12/13 09:43	04/12/13 14:10
160-2085-5	I-73	Water	04/12/13 10:05	04/12/13 14:10
160-2085-6	PZ-113-AS	Water	04/12/13 10:35	04/12/13 14:10
160-2085-7	PZ-107-AS	Water	04/12/13 10:40	04/12/13 14:10
160-2085-8	PZ-116-SS	Water	04/12/13 10:46	04/12/13 14:10
160-2085-9	D-14	Water	04/12/13 11:05	04/12/13 14:10
160-2085-10	PZ-112-AS	Water	04/12/13 11:18	04/12/13 14:10
160-2085-11	S-53	Water	04/12/13 11:40	04/12/13 14:10
160-2085-12	PZ-202-SS	Water	04/12/13 12:32	04/12/13 14:10
160-2085-13	I-4	Water	04/12/13 13:20	04/12/13 14:10
160-2085-14	DUP 07	Water	04/12/13 00:00	04/12/13 14:10
160-2085-15	TRIP BLANK	Water	04/12/13 00:00	04/12/13 14:10

Detection Summary

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-208-SS — Lab Sample ID: 160-2085-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.16	J	5.0	0.15	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.17	J	5.0	0.16	ug/L	1		8260C	Total/NA
Barium	150	J	250	20	ug/L	5		6010C	Total/NA
Calcium	100000		5000	530	ug/L	5		6010C	Total/NA
Iron	1000		500	140	ug/L	5		6010C	Total/NA
Magnesium	49000		5000	660	ug/L	5		6010C	Total/NA
Manganese	33	J	75	17	ug/L	5		6010C	Total/NA
Sodium	41000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	64	J B	100	26	ug/L	5		6010C	Total/NA
Barium	150	J	250	20	ug/L	5		6010C	Dissolved
Calcium	100000		5000	530	ug/L	5		6010C	Dissolved
Magnesium	48000		5000	660	ug/L	5		6010C	Dissolved
Manganese	29	J	75	17	ug/L	5		6010C	Dissolved
Selenium	17	J	75	13	ug/L	5		6010C	Dissolved
Sodium	40000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	35	J B	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.38		0.020	0.0040	mg/L	1		300.0	Total/NA
Alkalinity	380	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	77		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	32		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-101-SS — Lab Sample ID: 160-2085-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.2	J	20	6.7	ug/L	1		8260C	Total/NA
Benzene	0.81	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	1.7	J	5.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.65	J	5.0	0.40	ug/L	1		8260C	Total/NA
Aluminum	2300		1000	400	ug/L	5		6010C	Total/NA
Arsenic	22	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	480		250	20	ug/L	5		6010C	Total/NA
Calcium	160000		5000	530	ug/L	5		6010C	Total/NA
Iron	15000		500	140	ug/L	5		6010C	Total/NA
Lead	9.0	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	98000		5000	660	ug/L	5		6010C	Total/NA
Manganese	130		75	17	ug/L	5		6010C	Total/NA
Potassium	14000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	100000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	99	J B	100	26	ug/L	5		6010C	Total/NA
Barium	520		250	20	ug/L	5		6010C	Dissolved
Calcium	160000		5000	530	ug/L	5		6010C	Dissolved
Iron	3000		500	140	ug/L	5		6010C	Dissolved
Magnesium	96000		5000	660	ug/L	5		6010C	Dissolved
Manganese	57	J	75	17	ug/L	5		6010C	Dissolved
Potassium	15000	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	110000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	26	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.067	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.073	J	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	0.87		0.25	0.025	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-101-SS (Continued) — Lab Sample ID: 160-2085-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1.9		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.86	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	760	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL2	150		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: MW-1204 — Lab Sample ID: 160-2085-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.7	J	20	6.7	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	1.1	J	5.0	0.40	ug/L	1		8260C	Total/NA
Barium	300		250	20	ug/L	5		6010C	Total/NA
Calcium	110000		5000	530	ug/L	5		6010C	Total/NA
Iron	4800		500	140	ug/L	5		6010C	Total/NA
Magnesium	53000		5000	660	ug/L	5		6010C	Total/NA
Manganese	100		75	17	ug/L	5		6010C	Total/NA
Sodium	12000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	33	J B	100	26	ug/L	5		6010C	Total/NA
Barium	340		250	20	ug/L	5		6010C	Dissolved
Calcium	120000		5000	530	ug/L	5		6010C	Dissolved
Iron	4800		500	140	ug/L	5		6010C	Dissolved
Magnesium	59000		5000	660	ug/L	5		6010C	Dissolved
Manganese	100		75	17	ug/L	5		6010C	Dissolved
Sodium	15000		5000	1600	ug/L	5		6010C	Dissolved
Nitrate as N	0.099		0.020	0.0040	mg/L	1		300.0	Total/NA
Sulfate	0.096	J	0.50	0.050	mg/L	1		300.0	Total/NA
Alkalinity	460	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	15		4.0	0.40	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-113-SS — Lab Sample ID: 160-2085-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6800		1000	400	ug/L	5		6010C	Total/NA
Barium	210	J	250	20	ug/L	5		6010C	Total/NA
Calcium	230000		5000	530	ug/L	5		6010C	Total/NA
Chromium	25	J	50	16	ug/L	5		6010C	Total/NA
Iron	7800		500	140	ug/L	5		6010C	Total/NA
Lead	7.5	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	81000		5000	660	ug/L	5		6010C	Total/NA
Manganese	120		75	17	ug/L	5		6010C	Total/NA
Sodium	24000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	36	J	250	20	ug/L	5		6010C	Total/NA
Zinc	74	J B	100	26	ug/L	5		6010C	Total/NA
Barium	190	J	250	20	ug/L	5		6010C	Dissolved
Calcium	59000		5000	530	ug/L	5		6010C	Dissolved
Magnesium	32000		5000	660	ug/L	5		6010C	Dissolved
Manganese	37	J	75	17	ug/L	5		6010C	Dissolved
Sodium	24000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	26	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.073	J	0.20	0.060	ug/L	1		7470A	Total/NA
Sulfate	19		0.50	0.050	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-113-SS (Continued)

Lab Sample ID: 160-2085-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	290	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	9.2		2.0	0.20	mg/L	10		300.0	Total/NA

Client Sample ID: I-73

Lab Sample ID: 160-2085-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.41	J	5.0	0.39	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	5.3	J	20	0.39	ug/L	1		8260C	Total/NA
Acetone	12	J	20	6.7	ug/L	1		8260C	Total/NA
Benzene	12		5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	6.8		5.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	7.7		5.0	0.16	ug/L	1		8260C	Total/NA
Ethylbenzene	0.46	J	5.0	0.30	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.65	J	5.0	0.40	ug/L	1		8260C	Total/NA
Toluene	1.4	J	5.0	1.0	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.37	J	5.0	0.18	ug/L	1		8260C	Total/NA
Vinyl chloride	1.7	J	5.0	0.43	ug/L	1		8260C	Total/NA
Aluminum	3300		1000	400	ug/L	5		6010C	Total/NA
Arsenic	67		50	9.9	ug/L	5		6010C	Total/NA
Barium	1200		250	20	ug/L	5		6010C	Total/NA
Calcium	420000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	460000		10000	1100	ug/L	10		6010C	Total/NA
Chromium	16	J	50	16	ug/L	5		6010C	Total/NA
Cobalt	26	J	250	20	ug/L	5		6010C	Total/NA
Iron	57000		500	140	ug/L	5		6010C	Total/NA
Lead	32	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	120000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1800		75	17	ug/L	5		6010C	Total/NA
Nickel	110	J	200	67	ug/L	5		6010C	Total/NA
Potassium	12000	J	25000	8300	ug/L	5		6010C	Total/NA
Sodium	300000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	23	J	250	20	ug/L	5		6010C	Total/NA
Zinc	2700	B	100	26	ug/L	5		6010C	Total/NA
Arsenic	63		50	9.9	ug/L	5		6010C	Dissolved
Barium	1100		250	20	ug/L	5		6010C	Dissolved
Calcium	440000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	450000		10000	1100	ug/L	10		6010C	Dissolved
Cobalt	26	J	250	20	ug/L	5		6010C	Dissolved
Iron	47000		500	140	ug/L	5		6010C	Dissolved
Magnesium	120000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1700		75	17	ug/L	5		6010C	Dissolved
Nickel	100	J	200	67	ug/L	5		6010C	Dissolved
Potassium	12000	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	310000		5000	1600	ug/L	5		6010C	Dissolved
Vanadium	20	J	250	20	ug/L	5		6010C	Dissolved
Zinc	380	B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.090	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.076	J	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	4.1		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	2.9		1.0	0.10	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: I-73 (Continued) — Lab Sample ID: 160-2085-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate - DL	18		10	1.0	mg/L	20		300.0	Total/NA
Alkalinity - DL	1300	B	25	2.7	mg/L	5		310.1	Total/NA
Chloride - DL2	580		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: PZ-113-AS — Lab Sample ID: 160-2085-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.8	J	5.0	0.40	ug/L	1		8260C	Total/NA
Aluminum	1000		1000	400	ug/L	5		6010C	Total/NA
Arsenic	14	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	700		250	20	ug/L	5		6010C	Total/NA
Calcium	190000		5000	530	ug/L	5		6010C	Total/NA
Cobalt	21	J	250	20	ug/L	5		6010C	Total/NA
Iron	7200		500	140	ug/L	5		6010C	Total/NA
Lead	11	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	52000		5000	660	ug/L	5		6010C	Total/NA
Manganese	5500		75	17	ug/L	5		6010C	Total/NA
Sodium	60000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	40	J B	100	26	ug/L	5		6010C	Total/NA
Arsenic	10	J	50	9.9	ug/L	5		6010C	Dissolved
Barium	670		250	20	ug/L	5		6010C	Dissolved
Calcium	190000		5000	530	ug/L	5		6010C	Dissolved
Iron	4200		500	140	ug/L	5		6010C	Dissolved
Magnesium	52000		5000	660	ug/L	5		6010C	Dissolved
Manganese	5500		75	17	ug/L	5		6010C	Dissolved
Sodium	60000		5000	1600	ug/L	5		6010C	Dissolved
Bromide	0.66		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	0.50	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	650	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	99		4.0	0.40	mg/L	20		300.0	Total/NA

Client Sample ID: PZ-107-AS — Lab Sample ID: 160-2085-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.62	J	5.0	0.39	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.24	J	5.0	0.16	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	12		10	0.45	ug/L	1		8260C	Total/NA
Ethylbenzene	0.32	J	5.0	0.30	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.63	J	5.0	0.40	ug/L	1		8260C	Total/NA
Aluminum	59000		1000	400	ug/L	5		6010C	Total/NA
Arsenic	25	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	1100		250	20	ug/L	5		6010C	Total/NA
Beryllium	4.0	J	25	3.1	ug/L	5		6010C	Total/NA
Calcium	290000	E	5000	530	ug/L	5		6010C	Total/NA
Calcium	320000		10000	1100	ug/L	10		6010C	Total/NA
Chromium	67		50	16	ug/L	5		6010C	Total/NA
Copper	71	J	130	23	ug/L	5		6010C	Total/NA
Iron	37000		500	140	ug/L	5		6010C	Total/NA
Lead	100		50	7.5	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-107-AS (Continued)

Lab Sample ID: 160-2085-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	140000		5000	660	ug/L	5		6010C	Total/NA
Manganese	420		75	17	ug/L	5		6010C	Total/NA
Nickel	120	J	200	67	ug/L	5		6010C	Total/NA
Sodium	93000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	61	J	250	20	ug/L	5		6010C	Total/NA
Zinc	1000	B	100	26	ug/L	5		6010C	Total/NA
Barium	620		250	20	ug/L	5		6010C	Dissolved
Calcium	240000		5000	530	ug/L	5		6010C	Dissolved
Iron	2200		500	140	ug/L	5		6010C	Dissolved
Lead	9.0	J	50	7.5	ug/L	5		6010C	Dissolved
Magnesium	120000		5000	660	ug/L	5		6010C	Dissolved
Manganese	170		75	17	ug/L	5		6010C	Dissolved
Sodium	130000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	41	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	1.1		0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.061	J	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	1.4		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.71	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	790	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	53		10	1.0	mg/L	20		300.0	Total/NA
Chloride - DL2	260		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: PZ-116-SS

Lab Sample ID: 160-2085-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	66	J	250	20	ug/L	5		6010C	Total/NA
Calcium	43000		5000	530	ug/L	5		6010C	Total/NA
Magnesium	30000		5000	660	ug/L	5		6010C	Total/NA
Sodium	56000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	44	J B	100	26	ug/L	5		6010C	Total/NA
Barium	65	J	250	20	ug/L	5		6010C	Dissolved
Calcium	43000		5000	530	ug/L	5		6010C	Dissolved
Magnesium	28000		5000	660	ug/L	5		6010C	Dissolved
Sodium	54000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	41	J B	100	26	ug/L	5		6010C	Dissolved
Nitrate as N	0.17		0.020	0.0040	mg/L	1		300.0	Total/NA
Chloride	4.0		0.20	0.020	mg/L	1		300.0	Total/NA
Alkalinity	280	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	33		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: D-14

Lab Sample ID: 160-2085-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.5	J	5.0	0.28	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	13		5.0	0.35	ug/L	1		8260C	Total/NA
Acetone	16	J	20	6.7	ug/L	1		8260C	Total/NA
Benzene	13		5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	53		5.0	0.38	ug/L	1		8260C	Total/NA
Ethylbenzene	0.79	J	5.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	2.5	J	5.0	0.26	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-14 (Continued)

Lab Sample ID: 160-2085-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.89	J	5.0	0.40	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	3.2	J	5.0	0.57	ug/L	1		8260C	Total/NA
o-Xylene	1.5	J	5.0	0.32	ug/L	1		8260C	Total/NA
Toluene	2.6	J	5.0	1.0	ug/L	1		8260C	Total/NA
Vinyl chloride	0.63	J	5.0	0.43	ug/L	1		8260C	Total/NA
Xylenes, Total	4.7	J	10	0.85	ug/L	1		8260C	Total/NA
Aluminum	4700		1000	400	ug/L	5		6010C	Total/NA
Arsenic	15	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	600		250	20	ug/L	5		6010C	Total/NA
Calcium	170000		5000	530	ug/L	5		6010C	Total/NA
Iron	18000		500	140	ug/L	5		6010C	Total/NA
Lead	14	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	69000		5000	660	ug/L	5		6010C	Total/NA
Manganese	1600		75	17	ug/L	5		6010C	Total/NA
Potassium	56000		25000	8300	ug/L	5		6010C	Total/NA
Sodium	240000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	25	J	250	20	ug/L	5		6010C	Total/NA
Zinc	61	J B	100	26	ug/L	5		6010C	Total/NA
Barium	530		250	20	ug/L	5		6010C	Dissolved
Calcium	180000		5000	530	ug/L	5		6010C	Dissolved
Iron	11000		500	140	ug/L	5		6010C	Dissolved
Magnesium	68000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1600		75	17	ug/L	5		6010C	Dissolved
Potassium	56000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	250000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	28	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	1.2		0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.068	J	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	1.2		0.25	0.025	mg/L	1		300.0	Total/NA
Iodide	0.26	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	830	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	21		10	1.0	mg/L	20		300.0	Total/NA
Chloride - DL2	210		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: PZ-112-AS

Lab Sample ID: 160-2085-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	19		5.0	0.35	ug/L	1		8260C	Total/NA
Benzene	34		5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	3000		250	19	ug/L	1		8260C	Total/NA
Chloroethane	1.6	J	10	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.34	J	5.0	0.16	ug/L	1		8260C	Total/NA
Cyclohexane	0.39	J	10	0.36	ug/L	1		8260C	Total/NA
Ethylbenzene	0.87	J	5.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	1.6	J	5.0	0.26	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.53	J	5.0	0.40	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.62	J	5.0	0.57	ug/L	1		8260C	Total/NA
o-Xylene	0.33	J	5.0	0.32	ug/L	1		8260C	Total/NA
Xylenes, Total	0.95	J	10	0.85	ug/L	1		8260C	Total/NA
Arsenic	180		50	9.9	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-112-AS (Continued)

Lab Sample ID: 160-2085-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	2200		250	20	ug/L	5		6010C	Total/NA
Calcium	110000		5000	530	ug/L	5		6010C	Total/NA
Iron	33000		500	140	ug/L	5		6010C	Total/NA
Magnesium	64000		5000	660	ug/L	5		6010C	Total/NA
Manganese	170		75	17	ug/L	5		6010C	Total/NA
Potassium	65000		25000	8300	ug/L	5		6010C	Total/NA
Sodium	110000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	30	J B	100	26	ug/L	5		6010C	Total/NA
Arsenic	190		50	9.9	ug/L	5		6010C	Dissolved
Barium	2200		250	20	ug/L	5		6010C	Dissolved
Calcium	110000		5000	530	ug/L	5		6010C	Dissolved
Iron	31000		500	140	ug/L	5		6010C	Dissolved
Magnesium	62000		5000	660	ug/L	5		6010C	Dissolved
Manganese	170		75	17	ug/L	5		6010C	Dissolved
Potassium	63000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	110000		5000	1600	ug/L	5		6010C	Dissolved
Nitrate as N	0.0047	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.46		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	0.28	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.14	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity - DL	1100	B	25	2.7	mg/L	5		310.1	Total/NA
Chloride - DL2	120		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: S-53

Lab Sample ID: 160-2085-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	370		250	20	ug/L	5		6010C	Dissolved
Calcium	200000		5000	530	ug/L	5		6010C	Dissolved
Iron	1500		500	140	ug/L	5		6010C	Dissolved
Magnesium	42000		5000	660	ug/L	5		6010C	Dissolved
Manganese	6200		75	17	ug/L	5		6010C	Dissolved
Potassium	11000	J	25000	8300	ug/L	5		6010C	Dissolved
Sodium	49000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	28	J B	100	26	ug/L	5		6010C	Dissolved

Client Sample ID: PZ-202-SS

Lab Sample ID: 160-2085-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.4	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	0.78	J	5.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	2.4	J	5.0	0.40	ug/L	1		8260C	Total/NA
Aluminum	1300		1000	400	ug/L	5		6010C	Total/NA
Barium	390		250	20	ug/L	5		6010C	Total/NA
Calcium	130000		5000	530	ug/L	5		6010C	Total/NA
Iron	2800		500	140	ug/L	5		6010C	Total/NA
Lead	9.5	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	49000		5000	660	ug/L	5		6010C	Total/NA
Manganese	620		75	17	ug/L	5		6010C	Total/NA
Sodium	11000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	100	B	100	26	ug/L	5		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-202-SS (Continued)

Lab Sample ID: 160-2085-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	400		250	20	ug/L	5		6010C	Dissolved
Calcium	140000		5000	530	ug/L	5		6010C	Dissolved
Iron	1800		500	140	ug/L	5		6010C	Dissolved
Magnesium	51000		5000	660	ug/L	5		6010C	Dissolved
Manganese	610		75	17	ug/L	5		6010C	Dissolved
Sodium	11000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	27	J B	100	26	ug/L	5		6010C	Dissolved
Alkalinity	470	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	16		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	32		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: I-4

Lab Sample ID: 160-2085-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.1	J	5.0	0.28	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	8.4		5.0	0.35	ug/L	1		8260C	Total/NA
Acetone	8.1	J	20	6.7	ug/L	1		8260C	Total/NA
Benzene	4.8	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	9.9		5.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.17	J	5.0	0.16	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	1.2	J	10	0.45	ug/L	1		8260C	Total/NA
Isopropylbenzene	2.4	J	5.0	0.26	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.70	J	5.0	0.40	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	8.9		5.0	0.57	ug/L	1		8260C	Total/NA
o-Xylene	4.6	J	5.0	0.32	ug/L	1		8260C	Total/NA
Toluene	2.6	J	5.0	1.0	ug/L	1		8260C	Total/NA
Xylenes, Total	14		10	0.85	ug/L	1		8260C	Total/NA
Arsenic	12	J	50	9.9	ug/L	5		6010C	Total/NA
Barium	410		250	20	ug/L	5		6010C	Total/NA
Calcium	100000		5000	530	ug/L	5		6010C	Total/NA
Iron	26000		500	140	ug/L	5		6010C	Total/NA
Lead	12	J	50	7.5	ug/L	5		6010C	Total/NA
Magnesium	65000		5000	660	ug/L	5		6010C	Total/NA
Manganese	590		75	17	ug/L	5		6010C	Total/NA
Potassium	120000		25000	8300	ug/L	5		6010C	Total/NA
Sodium	170000		5000	1600	ug/L	5		6010C	Total/NA
Vanadium	28	J	250	20	ug/L	5		6010C	Total/NA
Zinc	30	J B	100	26	ug/L	5		6010C	Total/NA
Barium	400		250	20	ug/L	5		6010C	Dissolved
Calcium	110000		5000	530	ug/L	5		6010C	Dissolved
Iron	25000		500	140	ug/L	5		6010C	Dissolved
Magnesium	64000		5000	660	ug/L	5		6010C	Dissolved
Manganese	570		75	17	ug/L	5		6010C	Dissolved
Potassium	110000		25000	8300	ug/L	5		6010C	Dissolved
Sodium	170000		5000	1600	ug/L	5		6010C	Dissolved
Zinc	28	J B	100	26	ug/L	5		6010C	Dissolved
Mercury	0.065	J	0.20	0.060	ug/L	1		7470A	Total/NA
Mercury	0.060	J	0.20	0.060	ug/L	1		7470A	Dissolved
Bromide	1.2		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	7.4		0.50	0.050	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: I-4 (Continued) — Lab Sample ID: 160-2085-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodide	0.11	J	1.0	0.10	mg/L	1		300.0	Total/NA
Chloride - DL	90		4.0	0.40	mg/L	20		300.0	Total/NA
Alkalinity - DL	1200	B	25	2.7	mg/L	5		310.1	Total/NA

Client Sample ID: DUP 07 — Lab Sample ID: 160-2085-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.0	J	20	6.7	ug/L	1		8260C	Total/NA
Chlorobenzene	0.92	J	5.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	1.1	J	5.0	0.40	ug/L	1		8260C	Total/NA
Barium	300		250	20	ug/L	5		6010C	Total/NA
Calcium	110000		5000	530	ug/L	5		6010C	Total/NA
Iron	4700		500	140	ug/L	5		6010C	Total/NA
Magnesium	52000		5000	660	ug/L	5		6010C	Total/NA
Manganese	100		75	17	ug/L	5		6010C	Total/NA
Sodium	12000		5000	1600	ug/L	5		6010C	Total/NA
Zinc	32	J B	100	26	ug/L	5		6010C	Total/NA
Barium	350		250	20	ug/L	5		6010C	Dissolved
Calcium	130000		5000	530	ug/L	5		6010C	Dissolved
Iron	5000		500	140	ug/L	5		6010C	Dissolved
Magnesium	61000		5000	660	ug/L	5		6010C	Dissolved
Manganese	98		75	17	ug/L	5		6010C	Dissolved
Sodium	16000		5000	1600	ug/L	5		6010C	Dissolved
Nitrate as N	0.24		0.020	0.0040	mg/L	1		300.0	Total/NA
Sulfate	0.080	J	0.50	0.050	mg/L	1		300.0	Total/NA
Alkalinity	510	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	17		4.0	0.40	mg/L	20		300.0	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 160-2085-15

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-208-SS
Date Collected: 04/12/13 09:10
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-1
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			04/17/13 23:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/17/13 23:41	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/17/13 23:41	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/17/13 23:41	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/17/13 23:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/17/13 23:41	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/17/13 23:41	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/17/13 23:41	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/17/13 23:41	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/17/13 23:41	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/17/13 23:41	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/17/13 23:41	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/17/13 23:41	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/17/13 23:41	1
2-Hexanone	ND		20	0.59	ug/L			04/17/13 23:41	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/17/13 23:41	1
Acetone	ND		20	6.7	ug/L			04/17/13 23:41	1
Benzene	ND		5.0	0.25	ug/L			04/17/13 23:41	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/17/13 23:41	1
Bromoform	ND		5.0	0.37	ug/L			04/17/13 23:41	1
Bromomethane	ND		10	0.40	ug/L			04/17/13 23:41	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/17/13 23:41	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/17/13 23:41	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/17/13 23:41	1
Chloroethane	ND		10	0.38	ug/L			04/17/13 23:41	1
Chloroform	**0.16**	**J**	5.0	0.15	ug/L			04/17/13 23:41	1
Chloromethane	ND		10	0.55	ug/L			04/17/13 23:41	1
cis-1,2-Dichloroethene	**0.17**	**J**	5.0	0.16	ug/L			04/17/13 23:41	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/17/13 23:41	1
Cyclohexane	ND		10	0.36	ug/L			04/17/13 23:41	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/17/13 23:41	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/17/13 23:41	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/17/13 23:41	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/17/13 23:41	1
Methyl acetate	ND		5.0	2.3	ug/L			04/17/13 23:41	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/17/13 23:41	1
Methylcyclohexane	ND		10	0.26	ug/L			04/17/13 23:41	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/17/13 23:41	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/17/13 23:41	1
o-Xylene	ND		5.0	0.32	ug/L			04/17/13 23:41	1
Styrene	ND		5.0	0.35	ug/L			04/17/13 23:41	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/17/13 23:41	1
Toluene	ND		5.0	1.0	ug/L			04/17/13 23:41	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/17/13 23:41	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/17/13 23:41	1
Trichloroethene	ND		5.0	0.29	ug/L			04/17/13 23:41	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/17/13 23:41	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/17/13 23:41	1
Xylenes, Total	ND		10	0.85	ug/L			04/17/13 23:41	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-208-SS
Date Collected: 04/12/13 09:10
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*114*		*82 - 121*		*04/17/13 23:41*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/17/13 23:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/17/13 23:41*	*1*
Toluene-d8 (Surr)	*110*		*85 - 115*		*04/17/13 23:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:48	04/22/13 18:32	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 18:32	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:48	04/22/13 18:32	5
Barium	**150**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 18:32	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 18:32	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 18:32	5
Calcium	**100000**		5000	530	ug/L		04/17/13 13:48	04/22/13 18:32	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 18:32	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 18:32	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 18:32	5
Iron	**1000**		500	140	ug/L		04/17/13 13:48	04/22/13 18:32	5
Lead	ND		50	7.5	ug/L		04/17/13 13:48	04/22/13 18:32	5
Magnesium	**49000**		5000	660	ug/L		04/17/13 13:48	04/22/13 18:32	5
Manganese	**33**	**J**	75	17	ug/L		04/17/13 13:48	04/22/13 18:32	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 18:32	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 18:32	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 18:32	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 18:32	5
Sodium	**41000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 18:32	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 18:32	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 18:32	5
Zinc	**64**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 18:32	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 14:39	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 14:39	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 14:39	5
Barium	**150**	**J**	250	20	ug/L		04/17/13 13:50	04/23/13 14:39	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 14:39	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 14:39	5
Calcium	**100000**		5000	530	ug/L		04/17/13 13:50	04/23/13 14:39	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 14:39	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 14:39	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 14:39	5
Iron	ND		500	140	ug/L		04/17/13 13:50	04/23/13 14:39	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 14:39	5
Magnesium	**48000**		5000	660	ug/L		04/17/13 13:50	04/23/13 14:39	5
Manganese	**29**	**J**	75	17	ug/L		04/17/13 13:50	04/23/13 14:39	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 14:39	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 14:39	5
Selenium	**17**	**J**	75	13	ug/L		04/17/13 13:50	04/23/13 14:39	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 14:39	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-208-SS

Lab Sample ID: 160-2085-1

Date Collected: 04/12/13 09:10

Matrix: Water

Date Received: 04/12/13 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**40000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 14:39	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 14:39	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 14:39	5
Zinc	**35**	**J B**	100	26	ug/L		04/17/13 13:50	04/23/13 14:39	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 16:50	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		04/24/13 08:47	04/24/13 18:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.38**		0.020	0.0040	mg/L			04/12/13 18:17	1
Bromide	ND		0.25	0.025	mg/L			04/12/13 18:17	1
Iodide	ND		1.0	0.10	mg/L			04/16/13 07:07	1
Alkalinity	**380**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77**		4.0	0.40	mg/L			04/12/13 18:31	20
Sulfate	**32**		10	1.0	mg/L			04/12/13 18:31	20

Client Sample ID: PZ-101-SS

Lab Sample ID: 160-2085-2

Date Collected: 04/12/13 09:15

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 00:07	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 00:07	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 00:07	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 00:07	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 00:07	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 00:07	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 00:07	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 00:07	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 00:07	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 00:07	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 00:07	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 00:07	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 00:07	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 00:07	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 00:07	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 00:07	1
Acetone	**9.2**	**J**	20	6.7	ug/L			04/18/13 00:07	1
Benzene	**0.81**	**J**	5.0	0.25	ug/L			04/18/13 00:07	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 00:07	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 00:07	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-101-SS
Date Collected: 04/12/13 09:15
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		10	0.40	ug/L			04/18/13 00:07	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 00:07	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 00:07	1
Chlorobenzene	**1.7**	**J**	5.0	0.38	ug/L			04/18/13 00:07	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 00:07	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 00:07	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 00:07	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 00:07	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 00:07	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 00:07	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 00:07	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 00:07	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 00:07	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 00:07	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 00:07	1
Methyl tert-butyl ether	**0.65**	**J**	5.0	0.40	ug/L			04/18/13 00:07	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 00:07	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 00:07	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 00:07	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 00:07	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 00:07	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 00:07	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 00:07	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 00:07	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 00:07	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 00:07	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 00:07	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 00:07	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*82 - 121*		*04/18/13 00:07*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/18/13 00:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/18/13 00:07*	*1*
Toluene-d8 (Surr)	*110*		*85 - 115*		*04/18/13 00:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2300**		1000	400	ug/L		04/17/13 13:48	04/22/13 18:54	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 18:54	5
Arsenic	**22**	**J**	50	9.9	ug/L		04/17/13 13:48	04/22/13 18:54	5
Barium	**480**		250	20	ug/L		04/17/13 13:48	04/22/13 18:54	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 18:54	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 18:54	5
Calcium	**160000**		5000	530	ug/L		04/17/13 13:48	04/22/13 18:54	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 18:54	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 18:54	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 18:54	5
Iron	**15000**		500	140	ug/L		04/17/13 13:48	04/22/13 18:54	5
Lead	**9.0**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 18:54	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-101-SS
Date Collected: 04/12/13 09:15
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	98000		5000	660	ug/L		04/17/13 13:48	04/22/13 18:54	5
Manganese	130		75	17	ug/L		04/17/13 13:48	04/22/13 18:54	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 18:54	5
Potassium	14000	J	25000	8300	ug/L		04/17/13 13:48	04/22/13 18:54	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 18:54	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 18:54	5
Sodium	100000		5000	1600	ug/L		04/17/13 13:48	04/22/13 18:54	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 18:54	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 18:54	5
Zinc	99	J B	100	26	ug/L		04/17/13 13:48	04/22/13 18:54	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 14:54	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 14:54	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 14:54	5
Barium	520		250	20	ug/L		04/17/13 13:50	04/23/13 14:54	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 14:54	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 14:54	5
Calcium	160000		5000	530	ug/L		04/17/13 13:50	04/23/13 14:54	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 14:54	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 14:54	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 14:54	5
Iron	3000		500	140	ug/L		04/17/13 13:50	04/23/13 14:54	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 14:54	5
Magnesium	96000		5000	660	ug/L		04/17/13 13:50	04/23/13 14:54	5
Manganese	57	J	75	17	ug/L		04/17/13 13:50	04/23/13 14:54	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 14:54	5
Potassium	15000	J	25000	8300	ug/L		04/17/13 13:50	04/23/13 14:54	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 14:54	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 14:54	5
Sodium	110000		5000	1600	ug/L		04/17/13 13:50	04/23/13 14:54	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 14:54	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 14:54	5
Zinc	26	J B	100	26	ug/L		04/17/13 13:50	04/23/13 14:54	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.067	J	0.20	0.060	ug/L		04/24/13 08:43	04/24/13 16:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.073	J	0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/12/13 20:12	1
Bromide	0.87		0.25	0.025	mg/L			04/12/13 20:12	1
Sulfate	1.9		0.50	0.050	mg/L			04/12/13 20:12	1
Iodide	0.86	J	1.0	0.10	mg/L			04/16/13 07:51	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-101-SS

Lab Sample ID: 160-2085-2

Date Collected: 04/12/13 09:15

Matrix: Water

Date Received: 04/12/13 14:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	760	B	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		40	4.0	mg/L			04/12/13 20:41	200

Client Sample ID: MW-1204

Lab Sample ID: 160-2085-3

Date Collected: 04/12/13 09:26

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 00:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 00:34	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 00:34	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 00:34	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 00:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 00:34	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 00:34	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 00:34	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 00:34	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 00:34	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 00:34	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 00:34	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 00:34	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 00:34	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 00:34	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 00:34	1
Acetone	7.7	J	20	6.7	ug/L			04/18/13 00:34	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 00:34	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 00:34	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 00:34	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 00:34	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 00:34	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 00:34	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/18/13 00:34	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 00:34	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 00:34	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 00:34	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 00:34	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 00:34	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 00:34	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 00:34	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 00:34	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 00:34	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 00:34	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 00:34	1
Methyl tert-butyl ether	1.1	J	5.0	0.40	ug/L			04/18/13 00:34	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 00:34	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 00:34	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: MW-1204
Date Collected: 04/12/13 09:26
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 00:34	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 00:34	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 00:34	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 00:34	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 00:34	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 00:34	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 00:34	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 00:34	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 00:34	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 00:34	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*82 - 121*		*04/18/13 00:34*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*04/18/13 00:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/18/13 00:34*	*1*
Toluene-d8 (Surr)	*107*		*85 - 115*		*04/18/13 00:34*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:48	04/22/13 18:57	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 18:57	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:48	04/22/13 18:57	5
Barium	**300**		250	20	ug/L		04/17/13 13:48	04/22/13 18:57	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 18:57	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 18:57	5
Calcium	**110000**		5000	530	ug/L		04/17/13 13:48	04/22/13 18:57	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 18:57	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 18:57	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 18:57	5
Iron	**4800**		500	140	ug/L		04/17/13 13:48	04/22/13 18:57	5
Lead	ND		50	7.5	ug/L		04/17/13 13:48	04/22/13 18:57	5
Magnesium	**53000**		5000	660	ug/L		04/17/13 13:48	04/22/13 18:57	5
Manganese	**100**		75	17	ug/L		04/17/13 13:48	04/22/13 18:57	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 18:57	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 18:57	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 18:57	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 18:57	5
Sodium	**12000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 18:57	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 18:57	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 18:57	5
Zinc	**33**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 18:57	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 14:57	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 14:57	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 14:57	5
Barium	**340**		250	20	ug/L		04/17/13 13:50	04/23/13 14:57	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 14:57	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: MW-1204

Lab Sample ID: 160-2085-3

Date Collected: 04/12/13 09:26

Matrix: Water

Date Received: 04/12/13 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 14:57	5
Calcium	**120000**		5000	530	ug/L		04/17/13 13:50	04/23/13 14:57	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 14:57	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 14:57	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 14:57	5
Iron	**4800**		500	140	ug/L		04/17/13 13:50	04/23/13 14:57	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 14:57	5
Magnesium	**59000**		5000	660	ug/L		04/17/13 13:50	04/23/13 14:57	5
Manganese	**100**		75	17	ug/L		04/17/13 13:50	04/23/13 14:57	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 14:57	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 14:57	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 14:57	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 14:57	5
Sodium	**15000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 14:57	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 14:57	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 14:57	5
Zinc	ND		100	26	ug/L		04/17/13 13:50	04/23/13 14:57	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 16:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.099**		0.020	0.0040	mg/L			04/12/13 20:55	1
Bromide	ND		0.25	0.025	mg/L			04/12/13 20:55	1
Sulfate	**0.096**	**J**	0.50	0.050	mg/L			04/12/13 20:55	1
Iodide	ND		1.0	0.10	mg/L			04/16/13 08:05	1
Alkalinity	**460**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		4.0	0.40	mg/L			04/12/13 21:09	20

Client Sample ID: PZ-113-SS

Lab Sample ID: 160-2085-4

Date Collected: 04/12/13 09:43

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 01:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 01:00	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 01:00	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 01:00	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 01:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 01:00	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 01:00	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-113-SS
Date Collected: 04/12/13 09:43
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 01:00	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 01:00	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 01:00	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 01:00	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 01:00	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 01:00	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 01:00	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 01:00	1
Acetone	ND		20	6.7	ug/L			04/18/13 01:00	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 01:00	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 01:00	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 01:00	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 01:00	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 01:00	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 01:00	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/18/13 01:00	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 01:00	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 01:00	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 01:00	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 01:00	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 01:00	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 01:00	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 01:00	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 01:00	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 01:00	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 01:00	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 01:00	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/18/13 01:00	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 01:00	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 01:00	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 01:00	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 01:00	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 01:00	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 01:00	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 01:00	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 01:00	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 01:00	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 01:00	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 01:00	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 01:00	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*82 - 121*		*04/18/13 01:00*	*1*
Dibromofluoromethane (Surr)	*106*		*85 - 119*		*04/18/13 01:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*82 - 132*		*04/18/13 01:00*	*1*
Toluene-d8 (Surr)	*110*		*85 - 115*		*04/18/13 01:00*	*1*

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-113-SS
Date Collected: 04/12/13 09:43
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-4
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		1000	400	ug/L		04/17/13 13:48	04/22/13 19:01	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:01	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:48	04/22/13 19:01	5
Barium	**210**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:01	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:01	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:01	5
Calcium	**230000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:01	5
Chromium	**25**	**J**	50	16	ug/L		04/17/13 13:48	04/22/13 19:01	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:01	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:01	5
Iron	**7800**		500	140	ug/L		04/17/13 13:48	04/22/13 19:01	5
Lead	**7.5**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 19:01	5
Magnesium	**81000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:01	5
Manganese	**120**		75	17	ug/L		04/17/13 13:48	04/22/13 19:01	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:01	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:01	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:01	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:01	5
Sodium	**24000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:01	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:01	5
Vanadium	**36**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:01	5
Zinc	**74**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:01	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:01	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:01	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:01	5
Barium	**190**	**J**	250	20	ug/L		04/17/13 13:50	04/23/13 15:01	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:01	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:01	5
Calcium	**59000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:01	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:01	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:01	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:01	5
Iron	ND		500	140	ug/L		04/17/13 13:50	04/23/13 15:01	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:01	5
Magnesium	**32000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:01	5
Manganese	**37**	**J**	75	17	ug/L		04/17/13 13:50	04/23/13 15:01	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:01	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:01	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:01	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:01	5
Sodium	**24000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:01	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:01	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:01	5
Zinc	**26**	**J B**	100	26	ug/L		04/17/13 13:50	04/23/13 15:01	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-113-SS

Lab Sample ID: 160-2085-4

Date Collected: 04/12/13 09:43

Matrix: Water

Date Received: 04/12/13 14:10

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**	**J**	0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:01	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		04/24/13 08:47	04/24/13 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/12/13 21:24	1
Bromide	ND		0.25	0.025	mg/L			04/12/13 21:24	1
Sulfate	**19**		0.50	0.050	mg/L			04/12/13 21:24	1
Iodide	ND		1.0	0.10	mg/L			04/16/13 08:20	1
Alkalinity	**290**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.2**		2.0	0.20	mg/L			04/12/13 21:38	10

Client Sample ID: I-73

Lab Sample ID: 160-2085-5

Date Collected: 04/12/13 10:05

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 01:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 01:27	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 01:27	1
1,1-Dichloroethane	**0.41**	**J**	5.0	0.39	ug/L			04/18/13 01:27	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 01:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 01:27	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 01:27	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 01:27	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 01:27	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 01:27	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 01:27	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 01:27	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 01:27	1
2-Butanone (MEK)	**5.3**	**J**	20	0.39	ug/L			04/18/13 01:27	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 01:27	1
Acetone	**12**	**J**	20	6.7	ug/L			04/18/13 01:27	1
Benzene	**12**		5.0	0.25	ug/L			04/18/13 01:27	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 01:27	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 01:27	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 01:27	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 01:27	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 01:27	1
Chlorobenzene	**6.8**		5.0	0.38	ug/L			04/18/13 01:27	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 01:27	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 01:27	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: I-73
Date Collected: 04/12/13 10:05
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-5
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			04/18/13 01:27	1
cis-1,2-Dichloroethene	**7.7**		5.0	0.16	ug/L			04/18/13 01:27	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 01:27	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 01:27	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 01:27	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 01:27	1
Ethylbenzene	**0.46**	**J**	5.0	0.30	ug/L			04/18/13 01:27	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 01:27	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 01:27	1
Methyl tert-butyl ether	**0.65**	**J**	5.0	0.40	ug/L			04/18/13 01:27	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 01:27	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 01:27	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 01:27	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 01:27	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 01:27	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 01:27	1
Toluene	**1.4**	**J**	5.0	1.0	ug/L			04/18/13 01:27	1
trans-1,2-Dichloroethene	**0.37**	**J**	5.0	0.18	ug/L			04/18/13 01:27	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 01:27	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 01:27	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 01:27	1
Vinyl chloride	**1.7**	**J**	5.0	0.43	ug/L			04/18/13 01:27	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*82 - 121*		*04/18/13 01:27*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/18/13 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*82 - 132*		*04/18/13 01:27*	*1*
Toluene-d8 (Surr)	*107*		*85 - 115*		*04/18/13 01:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3300**		1000	400	ug/L		04/17/13 13:48	04/22/13 19:05	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:05	5
Arsenic	**67**		50	9.9	ug/L		04/17/13 13:48	04/22/13 19:05	5
Barium	**1200**		250	20	ug/L		04/17/13 13:48	04/22/13 19:05	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:05	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:05	5
Calcium	**420000**	**E**	5000	530	ug/L		04/17/13 13:48	04/22/13 19:05	5
Calcium	**460000**		10000	1100	ug/L		04/17/13 13:48	04/23/13 10:57	10
Chromium	**16**	**J**	50	16	ug/L		04/17/13 13:48	04/22/13 19:05	5
Cobalt	**26**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:05	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:05	5
Iron	**57000**		500	140	ug/L		04/17/13 13:48	04/22/13 19:05	5
Lead	**32**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 19:05	5
Magnesium	**120000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:05	5
Manganese	**1800**		75	17	ug/L		04/17/13 13:48	04/22/13 19:05	5
Nickel	**110**	**J**	200	67	ug/L		04/17/13 13:48	04/22/13 19:05	5
Potassium	**12000**	**J**	25000	8300	ug/L		04/17/13 13:48	04/22/13 19:05	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:05	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: I-73
Date Collected: 04/12/13 10:05
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:05	5
Sodium	**300000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:05	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:05	5
Vanadium	**23**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:05	5
Zinc	**2700**	**B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:05	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:05	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:05	5
Arsenic	**63**		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:05	5
Barium	**1100**		250	20	ug/L		04/17/13 13:50	04/23/13 15:05	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:05	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:05	5
Calcium	**440000**	**E**	5000	530	ug/L		04/17/13 13:50	04/23/13 15:05	5
Calcium	**450000**		10000	1100	ug/L		04/17/13 13:50	04/23/13 15:49	10
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:05	5
Cobalt	**26**	**J**	250	20	ug/L		04/17/13 13:50	04/23/13 15:05	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:05	5
Iron	**47000**		500	140	ug/L		04/17/13 13:50	04/23/13 15:05	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:05	5
Magnesium	**120000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:05	5
Manganese	**1700**		75	17	ug/L		04/17/13 13:50	04/23/13 15:05	5
Nickel	**100**	**J**	200	67	ug/L		04/17/13 13:50	04/23/13 15:05	5
Potassium	**12000**	**J**	25000	8300	ug/L		04/17/13 13:50	04/23/13 15:05	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:05	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:05	5
Sodium	**310000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:05	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:05	5
Vanadium	**20**	**J**	250	20	ug/L		04/17/13 13:50	04/23/13 15:05	5
Zinc	**380**	**B**	100	26	ug/L		04/17/13 13:50	04/23/13 15:05	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.090**	**J**	0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:03	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.076**	**J**	0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/12/13 21:53	1
Bromide	**4.1**		0.25	0.025	mg/L			04/12/13 21:53	1
Iodide	**2.9**		1.0	0.10	mg/L			04/16/13 09:03	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**18**		10	1.0	mg/L			04/12/13 22:07	20
Alkalinity	**1300**	**B**	25	2.7	mg/L			04/25/13 13:45	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: I-73
Date Collected: 04/12/13 10:05
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-5
Matrix: Water

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580		40	4.0	mg/L			04/12/13 22:21	200

Client Sample ID: PZ-113-AS
Date Collected: 04/12/13 10:35
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-6
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			04/18/13 01:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 01:53	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 01:53	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 01:53	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 01:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 01:53	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 01:53	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 01:53	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 01:53	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 01:53	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 01:53	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 01:53	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 01:53	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 01:53	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 01:53	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 01:53	1
Acetone	ND		20	6.7	ug/L			04/18/13 01:53	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 01:53	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 01:53	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 01:53	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 01:53	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 01:53	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 01:53	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/18/13 01:53	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 01:53	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 01:53	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 01:53	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 01:53	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 01:53	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 01:53	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 01:53	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 01:53	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 01:53	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 01:53	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 01:53	1
Methyl tert-butyl ether	1.8	J	5.0	0.40	ug/L			04/18/13 01:53	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 01:53	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 01:53	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 01:53	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 01:53	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 01:53	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 01:53	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-113-AS
Date Collected: 04/12/13 10:35
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.0	1.0	ug/L			04/18/13 01:53	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 01:53	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 01:53	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 01:53	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 01:53	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 01:53	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*82 - 121*		*04/18/13 01:53*	*1*
Dibromofluoromethane (Surr)	*102*		*85 - 119*		*04/18/13 01:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*82 - 132*		*04/18/13 01:53*	*1*
Toluene-d8 (Surr)	*106*		*85 - 115*		*04/18/13 01:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1000**		1000	400	ug/L		04/17/13 13:48	04/22/13 19:08	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:08	5
Arsenic	**14**	**J**	50	9.9	ug/L		04/17/13 13:48	04/22/13 19:08	5
Barium	**700**		250	20	ug/L		04/17/13 13:48	04/22/13 19:08	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:08	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:08	5
Calcium	**190000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:08	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:08	5
Cobalt	**21**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:08	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:08	5
Iron	**7200**		500	140	ug/L		04/17/13 13:48	04/22/13 19:08	5
Lead	**11**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 19:08	5
Magnesium	**52000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:08	5
Manganese	**5500**		75	17	ug/L		04/17/13 13:48	04/22/13 19:08	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:08	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:08	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:08	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:08	5
Sodium	**60000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:08	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:08	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:08	5
Zinc	**40**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:08	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:16	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:16	5
Arsenic	**10**	**J**	50	9.9	ug/L		04/17/13 13:50	04/23/13 15:16	5
Barium	**670**		250	20	ug/L		04/17/13 13:50	04/23/13 15:16	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:16	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:16	5
Calcium	**190000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:16	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:16	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:16	5

Client Sample ID: PZ-113-AS

Date Collected: 04/12/13 10:35
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:16	5
Iron	**4200**		500	140	ug/L		04/17/13 13:50	04/23/13 15:16	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:16	5
Magnesium	**52000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:16	5
Manganese	**5500**		75	17	ug/L		04/17/13 13:50	04/23/13 15:16	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:16	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:16	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:16	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:16	5
Sodium	**60000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:16	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:16	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:16	5
Zinc	ND		100	26	ug/L		04/17/13 13:50	04/23/13 15:16	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:04	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		04/24/13 08:47	04/24/13 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/12/13 23:05	1
Bromide	**0.66**		0.25	0.025	mg/L			04/12/13 23:05	1
Sulfate	**8.4**		0.50	0.050	mg/L			04/12/13 23:05	1
Iodide	**0.50**	**J**	1.0	0.10	mg/L			04/16/13 09:17	1
Alkalinity	**650**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99**		4.0	0.40	mg/L			04/12/13 23:19	20

Client Sample ID: PZ-107-AS

Date Collected: 04/12/13 10:40
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			04/18/13 02:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 02:19	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 02:19	1
1,1-Dichloroethane	**0.62**	**J**	5.0	0.39	ug/L			04/18/13 02:19	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 02:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 02:19	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 02:19	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 02:19	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 02:19	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 02:19	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 02:19	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-107-AS
Date Collected: 04/12/13 10:40
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 02:19	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 02:19	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 02:19	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 02:19	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 02:19	1
Acetone	ND		20	6.7	ug/L			04/18/13 02:19	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 02:19	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 02:19	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 02:19	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 02:19	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 02:19	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 02:19	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/18/13 02:19	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 02:19	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 02:19	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 02:19	1
cis-1,2-Dichloroethene	**0.24**	**J**	5.0	0.16	ug/L			04/18/13 02:19	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 02:19	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 02:19	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 02:19	1
Dichlorodifluoromethane	**12**		10	0.45	ug/L			04/18/13 02:19	1
Ethylbenzene	**0.32**	**J**	5.0	0.30	ug/L			04/18/13 02:19	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 02:19	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 02:19	1
Methyl tert-butyl ether	**0.63**	**J**	5.0	0.40	ug/L			04/18/13 02:19	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 02:19	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 02:19	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 02:19	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 02:19	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 02:19	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 02:19	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 02:19	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 02:19	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 02:19	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 02:19	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 02:19	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 02:19	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*82 - 121*		*04/18/13 02:19*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/18/13 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/18/13 02:19*	*1*
Toluene-d8 (Surr)	*111*		*85 - 115*		*04/18/13 02:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**59000**		1000	400	ug/L		04/17/13 13:48	04/22/13 19:12	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:12	5
Arsenic	**25**	**J**	50	9.9	ug/L		04/17/13 13:48	04/22/13 19:12	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-107-AS
Date Collected: 04/12/13 10:40
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1100		250	20	ug/L		04/17/13 13:48	04/22/13 19:12	5
Beryllium	4.0	J	25	3.1	ug/L		04/17/13 13:48	04/22/13 19:12	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:12	5
Calcium	290000	E	5000	530	ug/L		04/17/13 13:48	04/22/13 19:12	5
Calcium	320000		10000	1100	ug/L		04/17/13 13:48	04/23/13 11:01	10
Chromium	67		50	16	ug/L		04/17/13 13:48	04/22/13 19:12	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:12	5
Copper	71	J	130	23	ug/L		04/17/13 13:48	04/22/13 19:12	5
Iron	37000		500	140	ug/L		04/17/13 13:48	04/22/13 19:12	5
Lead	100		50	7.5	ug/L		04/17/13 13:48	04/22/13 19:12	5
Magnesium	140000		5000	660	ug/L		04/17/13 13:48	04/22/13 19:12	5
Manganese	420		75	17	ug/L		04/17/13 13:48	04/22/13 19:12	5
Nickel	120	J	200	67	ug/L		04/17/13 13:48	04/22/13 19:12	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:12	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:12	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:12	5
Sodium	93000		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:12	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:12	5
Vanadium	61	J	250	20	ug/L		04/17/13 13:48	04/22/13 19:12	5
Zinc	1000	B	100	26	ug/L		04/17/13 13:48	04/22/13 19:12	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:19	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:19	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:19	5
Barium	620		250	20	ug/L		04/17/13 13:50	04/23/13 15:19	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:19	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:19	5
Calcium	240000		5000	530	ug/L		04/17/13 13:50	04/23/13 15:19	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:19	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:19	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:19	5
Iron	2200		500	140	ug/L		04/17/13 13:50	04/23/13 15:19	5
Lead	9.0	J	50	7.5	ug/L		04/17/13 13:50	04/23/13 15:19	5
Magnesium	120000		5000	660	ug/L		04/17/13 13:50	04/23/13 15:19	5
Manganese	170		75	17	ug/L		04/17/13 13:50	04/23/13 15:19	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:19	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:19	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:19	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:19	5
Sodium	130000		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:19	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:19	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:19	5
Zinc	41	J B	100	26	ug/L		04/17/13 13:50	04/23/13 15:19	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:06	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-107-AS

Lab Sample ID: 160-2085-7

Date Collected: 04/12/13 10:40

Matrix: Water

Date Received: 04/12/13 14:10

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**	**J**	0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/12/13 23:48	1
Bromide	**1.4**		0.25	0.025	mg/L			04/12/13 23:48	1
Iodide	**0.71**	**J**	1.0	0.10	mg/L			04/16/13 09:32	1
Alkalinity	**790**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**53**		10	1.0	mg/L			04/13/13 00:02	20

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		40	4.0	mg/L			04/13/13 00:17	200

Client Sample ID: PZ-116-SS

Lab Sample ID: 160-2085-8

Date Collected: 04/12/13 10:46

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 02:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 02:46	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 02:46	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 02:46	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 02:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 02:46	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 02:46	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 02:46	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 02:46	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 02:46	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 02:46	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 02:46	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 02:46	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 02:46	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 02:46	1
Acetone	ND		20	6.7	ug/L			04/18/13 02:46	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 02:46	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 02:46	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 02:46	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 02:46	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 02:46	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 02:46	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/18/13 02:46	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 02:46	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 02:46	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 02:46	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-116-SS
Date Collected: 04/12/13 10:46
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 02:46	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 02:46	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 02:46	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 02:46	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 02:46	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 02:46	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 02:46	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 02:46	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/18/13 02:46	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 02:46	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 02:46	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 02:46	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 02:46	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 02:46	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 02:46	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 02:46	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 02:46	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 02:46	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 02:46	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 02:46	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 02:46	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*82 - 121*		*04/18/13 02:46*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*04/18/13 02:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/18/13 02:46*	*1*
Toluene-d8 (Surr)	*113*		*85 - 115*		*04/18/13 02:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:48	04/22/13 19:16	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:16	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:48	04/22/13 19:16	5
Barium	**66**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:16	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:16	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:16	5
Calcium	**43000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:16	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:16	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:16	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:16	5
Iron	ND		500	140	ug/L		04/17/13 13:48	04/22/13 19:16	5
Lead	ND		50	7.5	ug/L		04/17/13 13:48	04/22/13 19:16	5
Magnesium	**30000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:16	5
Manganese	ND		75	17	ug/L		04/17/13 13:48	04/22/13 19:16	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:16	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:16	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:16	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:16	5
Sodium	**56000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:16	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-116-SS
Date Collected: 04/12/13 10:46
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:16	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:16	5
Zinc	**44**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:16	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:23	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:23	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:23	5
Barium	**65**	**J**	250	20	ug/L		04/17/13 13:50	04/23/13 15:23	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:23	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:23	5
Calcium	**43000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:23	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:23	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:23	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:23	5
Iron	ND		500	140	ug/L		04/17/13 13:50	04/23/13 15:23	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:23	5
Magnesium	**28000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:23	5
Manganese	ND		75	17	ug/L		04/17/13 13:50	04/23/13 15:23	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:23	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:23	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:23	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:23	5
Sodium	**54000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:23	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:23	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:23	5
Zinc	**41**	**J B**	100	26	ug/L		04/17/13 13:50	04/23/13 15:23	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:12	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		04/24/13 08:47	04/24/13 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.17**		0.020	0.0040	mg/L			04/13/13 00:31	1
Chloride	**4.0**		0.20	0.020	mg/L			04/13/13 00:31	1
Bromide	ND		0.25	0.025	mg/L			04/13/13 00:31	1
Iodide	ND		1.0	0.10	mg/L			04/16/13 09:46	1
Alkalinity	**280**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**33**		10	1.0	mg/L			04/13/13 00:46	20

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: D-14
Date Collected: 04/12/13 11:05
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-9
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			04/18/13 03:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 03:13	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 03:13	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 03:13	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 03:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 03:13	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 03:13	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 03:13	1
1,2-Dichlorobenzene	**1.5**	**J**	5.0	0.28	ug/L			04/18/13 03:13	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 03:13	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 03:13	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 03:13	1
1,4-Dichlorobenzene	**13**		5.0	0.35	ug/L			04/18/13 03:13	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 03:13	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 03:13	1
Acetone	**16**	**J**	20	6.7	ug/L			04/18/13 03:13	1
Benzene	**13**		5.0	0.25	ug/L			04/18/13 03:13	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 03:13	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 03:13	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 03:13	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 03:13	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 03:13	1
Chlorobenzene	**53**		5.0	0.38	ug/L			04/18/13 03:13	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 03:13	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 03:13	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 03:13	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 03:13	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 03:13	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 03:13	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 03:13	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 03:13	1
Ethylbenzene	**0.79**	**J**	5.0	0.30	ug/L			04/18/13 03:13	1
Isopropylbenzene	**2.5**	**J**	5.0	0.26	ug/L			04/18/13 03:13	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 03:13	1
Methyl tert-butyl ether	**0.89**	**J**	5.0	0.40	ug/L			04/18/13 03:13	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 03:13	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 03:13	1
m-Xylene & p-Xylene	**3.2**	**J**	5.0	0.57	ug/L			04/18/13 03:13	1
o-Xylene	**1.5**	**J**	5.0	0.32	ug/L			04/18/13 03:13	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 03:13	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 03:13	1
Toluene	**2.6**	**J**	5.0	1.0	ug/L			04/18/13 03:13	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 03:13	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 03:13	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 03:13	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 03:13	1
Vinyl chloride	**0.63**	**J**	5.0	0.43	ug/L			04/18/13 03:13	1
Xylenes, Total	**4.7**	**J**	10	0.85	ug/L			04/18/13 03:13	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: D-14
Date Collected: 04/12/13 11:05
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*82 - 121*		*04/18/13 03:13*	*1*
Dibromofluoromethane (Surr)	*102*		*85 - 119*		*04/18/13 03:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/18/13 03:13*	*1*
Toluene-d8 (Surr)	*104*		*85 - 115*		*04/18/13 03:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4700**		1000	400	ug/L		04/17/13 13:48	04/22/13 19:19	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:19	5
Arsenic	**15**	**J**	50	9.9	ug/L		04/17/13 13:48	04/22/13 19:19	5
Barium	**600**		250	20	ug/L		04/17/13 13:48	04/22/13 19:19	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:19	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:19	5
Calcium	**170000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:19	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:19	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:19	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:19	5
Iron	**18000**		500	140	ug/L		04/17/13 13:48	04/22/13 19:19	5
Lead	**14**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 19:19	5
Magnesium	**69000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:19	5
Manganese	**1600**		75	17	ug/L		04/17/13 13:48	04/22/13 19:19	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:19	5
Potassium	**56000**		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:19	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:19	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:19	5
Sodium	**240000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:19	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:19	5
Vanadium	**25**	**J**	250	20	ug/L		04/17/13 13:48	04/22/13 19:19	5
Zinc	**61**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:19	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:27	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:27	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:27	5
Barium	**530**		250	20	ug/L		04/17/13 13:50	04/23/13 15:27	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:27	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:27	5
Calcium	**180000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:27	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:27	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:27	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:27	5
Iron	**11000**		500	140	ug/L		04/17/13 13:50	04/23/13 15:27	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:27	5
Magnesium	**68000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:27	5
Manganese	**1600**		75	17	ug/L		04/17/13 13:50	04/23/13 15:27	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:27	5
Potassium	**56000**		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:27	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:27	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:27	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: D-14

Lab Sample ID: 160-2085-9

Date Collected: 04/12/13 11:05

Matrix: Water

Date Received: 04/12/13 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**250000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:27	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:27	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:27	5
Zinc	**28**	**J B**	100	26	ug/L		04/17/13 13:50	04/23/13 15:27	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.068**	**J**	0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/13/13 01:29	1
Bromide	**1.2**		0.25	0.025	mg/L			04/13/13 01:29	1
Iodide	**0.26**	**J**	1.0	0.10	mg/L			04/16/13 10:00	1
Alkalinity	**830**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**21**		10	1.0	mg/L			04/13/13 01:43	20

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		40	4.0	mg/L			04/13/13 01:58	200

Client Sample ID: PZ-112-AS

Lab Sample ID: 160-2085-10

Date Collected: 04/12/13 11:18

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 03:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 03:39	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 03:39	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 03:39	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 03:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 03:39	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 03:39	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 03:39	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 03:39	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 03:39	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 03:39	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 03:39	1
1,4-Dichlorobenzene	**19**		5.0	0.35	ug/L			04/18/13 03:39	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 03:39	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 03:39	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 03:39	1
Acetone	ND		20	6.7	ug/L			04/18/13 03:39	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-112-AS
Date Collected: 04/12/13 11:18
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**34**		5.0	0.25	ug/L			04/18/13 03:39	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 03:39	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 03:39	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 03:39	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 03:39	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 03:39	1
Chlorobenzene	**3000**		250	19	ug/L			04/19/13 06:56	1
Chloroethane	**1.6**	**J**	10	0.38	ug/L			04/18/13 03:39	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 03:39	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 03:39	1
cis-1,2-Dichloroethene	**0.34**	**J**	5.0	0.16	ug/L			04/18/13 03:39	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 03:39	1
Cyclohexane	**0.39**	**J**	10	0.36	ug/L			04/18/13 03:39	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 03:39	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 03:39	1
Ethylbenzene	**0.87**	**J**	5.0	0.30	ug/L			04/18/13 03:39	1
Isopropylbenzene	**1.6**	**J**	5.0	0.26	ug/L			04/18/13 03:39	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 03:39	1
Methyl tert-butyl ether	**0.53**	**J**	5.0	0.40	ug/L			04/18/13 03:39	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 03:39	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 03:39	1
m-Xylene & p-Xylene	**0.62**	**J**	5.0	0.57	ug/L			04/18/13 03:39	1
o-Xylene	**0.33**	**J**	5.0	0.32	ug/L			04/18/13 03:39	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 03:39	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 03:39	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 03:39	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 03:39	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 03:39	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 03:39	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 03:39	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 03:39	1
Xylenes, Total	**0.95**	**J**	10	0.85	ug/L			04/18/13 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*82 - 121*		*04/18/13 03:39*	*1*
4-Bromofluorobenzene (Surr)	*115*		*82 - 121*		*04/19/13 06:56*	*1*
Dibromofluoromethane (Surr)	*104*		*85 - 119*		*04/18/13 03:39*	*1*
Dibromofluoromethane (Surr)	*100*		*85 - 119*		*04/19/13 06:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/18/13 03:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/19/13 06:56*	*1*
Toluene-d8 (Surr)	*87*		*85 - 115*		*04/18/13 03:39*	*1*
Toluene-d8 (Surr)	*105*		*85 - 115*		*04/19/13 06:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:48	04/22/13 19:23	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:23	5
Arsenic	**180**		50	9.9	ug/L		04/17/13 13:48	04/22/13 19:23	5
Barium	**2200**		250	20	ug/L		04/17/13 13:48	04/22/13 19:23	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:23	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-112-AS
Date Collected: 04/12/13 11:18
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:23	5
Calcium	**110000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:23	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:23	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:23	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:23	5
Iron	**33000**		500	140	ug/L		04/17/13 13:48	04/22/13 19:23	5
Lead	ND		50	7.5	ug/L		04/17/13 13:48	04/22/13 19:23	5
Magnesium	**64000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:23	5
Manganese	**170**		75	17	ug/L		04/17/13 13:48	04/22/13 19:23	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:23	5
Potassium	**65000**		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:23	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:23	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:23	5
Sodium	**110000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:23	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:23	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:23	5
Zinc	**30**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:23	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:30	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:30	5
Arsenic	**190**		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:30	5
Barium	**2200**		250	20	ug/L		04/17/13 13:50	04/23/13 15:30	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:30	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:30	5
Calcium	**110000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:30	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:30	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:30	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:30	5
Iron	**31000**		500	140	ug/L		04/17/13 13:50	04/23/13 15:30	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:30	5
Magnesium	**62000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:30	5
Manganese	**170**		75	17	ug/L		04/17/13 13:50	04/23/13 15:30	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:30	5
Potassium	**63000**		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:30	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:30	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:30	5
Sodium	**110000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:30	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:30	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:30	5
Zinc	ND		100	26	ug/L		04/17/13 13:50	04/23/13 15:30	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:16	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		04/24/13 08:47	04/24/13 18:28	1

Client Sample ID: PZ-112-AS

Lab Sample ID: 160-2085-10

Date Collected: 04/12/13 11:18

Matrix: Water

Date Received: 04/12/13 14:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0047	J	0.020	0.0040	mg/L			04/13/13 02:12	1
Bromide	0.46		0.25	0.025	mg/L			04/13/13 02:12	1
Sulfate	0.28	J	0.50	0.050	mg/L			04/13/13 02:12	1
Iodide	0.14	J	1.0	0.10	mg/L			04/16/13 10:15	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	1100	B	25	2.7	mg/L			04/25/13 13:45	5

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		40	4.0	mg/L			04/13/13 02:41	200

Client Sample ID: S-53

Lab Sample ID: 160-2085-11

Date Collected: 04/12/13 11:40

Matrix: Water

Date Received: 04/12/13 14:10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:34	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:34	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:34	5
Barium	370		250	20	ug/L		04/17/13 13:50	04/23/13 15:34	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:34	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:34	5
Calcium	200000		5000	530	ug/L		04/17/13 13:50	04/23/13 15:34	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:34	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:34	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:34	5
Iron	1500		500	140	ug/L		04/17/13 13:50	04/23/13 15:34	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:34	5
Magnesium	42000		5000	660	ug/L		04/17/13 13:50	04/23/13 15:34	5
Manganese	6200		75	17	ug/L		04/17/13 13:50	04/23/13 15:34	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:34	5
Potassium	11000	J	25000	8300	ug/L		04/17/13 13:50	04/23/13 15:34	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:34	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:34	5
Sodium	49000		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:34	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:34	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:34	5
Zinc	28	J B	100	26	ug/L		04/17/13 13:50	04/23/13 15:34	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:30	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-202-SS
Date Collected: 04/12/13 12:32
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-12
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			04/19/13 01:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/19/13 01:33	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/19/13 01:33	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/19/13 01:33	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/19/13 01:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/19/13 01:33	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/19/13 01:33	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/19/13 01:33	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/19/13 01:33	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/19/13 01:33	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/19/13 01:33	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/19/13 01:33	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/19/13 01:33	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/19/13 01:33	1
2-Hexanone	ND		20	0.59	ug/L			04/19/13 01:33	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/19/13 01:33	1
Acetone	ND		20	6.7	ug/L			04/19/13 01:33	1
Benzene	**4.4**	**J**	5.0	0.25	ug/L			04/19/13 01:33	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/19/13 01:33	1
Bromoform	ND		5.0	0.37	ug/L			04/19/13 01:33	1
Bromomethane	ND		10	0.40	ug/L			04/19/13 01:33	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/19/13 01:33	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/19/13 01:33	1
Chlorobenzene	**0.78**	**J**	5.0	0.38	ug/L			04/19/13 01:33	1
Chloroethane	ND		10	0.38	ug/L			04/19/13 01:33	1
Chloroform	ND		5.0	0.15	ug/L			04/19/13 01:33	1
Chloromethane	ND		10	0.55	ug/L			04/19/13 01:33	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/19/13 01:33	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/19/13 01:33	1
Cyclohexane	ND		10	0.36	ug/L			04/19/13 01:33	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/19/13 01:33	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/19/13 01:33	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/19/13 01:33	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/19/13 01:33	1
Methyl acetate	ND		5.0	2.3	ug/L			04/19/13 01:33	1
Methyl tert-butyl ether	**2.4**	**J**	5.0	0.40	ug/L			04/19/13 01:33	1
Methylcyclohexane	ND		10	0.26	ug/L			04/19/13 01:33	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/19/13 01:33	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/19/13 01:33	1
o-Xylene	ND		5.0	0.32	ug/L			04/19/13 01:33	1
Styrene	ND		5.0	0.35	ug/L			04/19/13 01:33	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/19/13 01:33	1
Toluene	ND		5.0	1.0	ug/L			04/19/13 01:33	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/19/13 01:33	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/19/13 01:33	1
Trichloroethene	ND		5.0	0.29	ug/L			04/19/13 01:33	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/19/13 01:33	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/19/13 01:33	1
Xylenes, Total	ND		10	0.85	ug/L			04/19/13 01:33	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: PZ-202-SS
Date Collected: 04/12/13 12:32
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*82 - 121*		*04/19/13 01:33*	*1*
Dibromofluoromethane (Surr)	*98*		*85 - 119*		*04/19/13 01:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*82 - 132*		*04/19/13 01:33*	*1*
Toluene-d8 (Surr)	*108*		*85 - 115*		*04/19/13 01:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1300**		1000	400	ug/L		04/17/13 13:48	04/22/13 19:34	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:34	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:48	04/22/13 19:34	5
Barium	**390**		250	20	ug/L		04/17/13 13:48	04/22/13 19:34	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:34	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:34	5
Calcium	**130000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:34	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:34	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:34	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:34	5
Iron	**2800**		500	140	ug/L		04/17/13 13:48	04/22/13 19:34	5
Lead	**9.5**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 19:34	5
Magnesium	**49000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:34	5
Manganese	**620**		75	17	ug/L		04/17/13 13:48	04/22/13 19:34	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:34	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:34	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:34	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:34	5
Sodium	**11000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:34	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:34	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:34	5
Zinc	**100**	**B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:34	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:38	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:38	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:38	5
Barium	**400**		250	20	ug/L		04/17/13 13:50	04/23/13 15:38	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:38	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:38	5
Calcium	**140000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:38	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:38	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:38	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:38	5
Iron	**1800**		500	140	ug/L		04/17/13 13:50	04/23/13 15:38	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:38	5
Magnesium	**51000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:38	5
Manganese	**610**		75	17	ug/L		04/17/13 13:50	04/23/13 15:38	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:38	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:38	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:38	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:38	5

Client Sample ID: PZ-202-SS

Lab Sample ID: 160-2085-12

Date Collected: 04/12/13 12:32

Matrix: Water

Date Received: 04/12/13 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**11000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:38	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:38	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:38	5
Zinc	**27**	**J B**	100	26	ug/L		04/17/13 13:50	04/23/13 15:38	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:18	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		04/24/13 08:47	04/24/13 18:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/13/13 02:55	1
Bromide	ND		0.25	0.025	mg/L			04/13/13 02:55	1
Iodide	ND		1.0	0.10	mg/L			04/16/13 10:29	1
Alkalinity	**470**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		4.0	0.40	mg/L			04/13/13 03:10	20
Sulfate	**32**		10	1.0	mg/L			04/13/13 03:10	20

Client Sample ID: I-4

Lab Sample ID: 160-2085-13

Date Collected: 04/12/13 13:20

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 04:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 04:32	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 04:32	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 04:32	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 04:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 04:32	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 04:32	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 04:32	1
1,2-Dichlorobenzene	**2.1**	**J**	5.0	0.28	ug/L			04/18/13 04:32	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 04:32	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 04:32	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 04:32	1
1,4-Dichlorobenzene	**8.4**		5.0	0.35	ug/L			04/18/13 04:32	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 04:32	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 04:32	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 04:32	1
Acetone	**8.1**	**J**	20	6.7	ug/L			04/18/13 04:32	1
Benzene	**4.8**	**J**	5.0	0.25	ug/L			04/18/13 04:32	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 04:32	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 04:32	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: I-4
Date Collected: 04/12/13 13:20
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		10	0.40	ug/L			04/18/13 04:32	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 04:32	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 04:32	1
Chlorobenzene	**9.9**		5.0	0.38	ug/L			04/18/13 04:32	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 04:32	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 04:32	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 04:32	1
cis-1,2-Dichloroethene	**0.17**	**J**	5.0	0.16	ug/L			04/18/13 04:32	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 04:32	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 04:32	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 04:32	1
Dichlorodifluoromethane	**1.2**	**J**	10	0.45	ug/L			04/18/13 04:32	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 04:32	1
Isopropylbenzene	**2.4**	**J**	5.0	0.26	ug/L			04/18/13 04:32	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 04:32	1
Methyl tert-butyl ether	**0.70**	**J**	5.0	0.40	ug/L			04/18/13 04:32	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 04:32	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 04:32	1
m-Xylene & p-Xylene	**8.9**		5.0	0.57	ug/L			04/18/13 04:32	1
o-Xylene	**4.6**	**J**	5.0	0.32	ug/L			04/18/13 04:32	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 04:32	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 04:32	1
Toluene	**2.6**	**J**	5.0	1.0	ug/L			04/18/13 04:32	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 04:32	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 04:32	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 04:32	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 04:32	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 04:32	1
Xylenes, Total	**14**		10	0.85	ug/L			04/18/13 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*		*04/18/13 04:32*	*1*
4-Bromofluorobenzene (Surr)	*108*		*82 - 121*		*04/18/13 04:32*	*1*
Dibromofluoromethane (Surr)	*104*		*85 - 119*		*04/18/13 04:32*	*1*
Toluene-d8 (Surr)	*109*		*85 - 115*		*04/18/13 04:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:48	04/22/13 19:38	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:38	5
Arsenic	**12**	**J**	50	9.9	ug/L		04/17/13 13:48	04/22/13 19:38	5
Barium	**410**		250	20	ug/L		04/17/13 13:48	04/22/13 19:38	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:38	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:38	5
Calcium	**100000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:38	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:38	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:38	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:38	5
Iron	**26000**		500	140	ug/L		04/17/13 13:48	04/22/13 19:38	5
Lead	**12**	**J**	50	7.5	ug/L		04/17/13 13:48	04/22/13 19:38	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: I-4
Date Collected: 04/12/13 13:20
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	65000		5000	660	ug/L		04/17/13 13:48	04/22/13 19:38	5
Manganese	590		75	17	ug/L		04/17/13 13:48	04/22/13 19:38	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:38	5
Potassium	120000		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:38	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:38	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:38	5
Sodium	170000		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:38	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:38	5
Vanadium	28	J	250	20	ug/L		04/17/13 13:48	04/22/13 19:38	5
Zinc	30	J B	100	26	ug/L		04/17/13 13:48	04/22/13 19:38	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:42	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:42	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:42	5
Barium	400		250	20	ug/L		04/17/13 13:50	04/23/13 15:42	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:42	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:42	5
Calcium	110000		5000	530	ug/L		04/17/13 13:50	04/23/13 15:42	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:42	5
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:42	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:42	5
Iron	25000		500	140	ug/L		04/17/13 13:50	04/23/13 15:42	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:42	5
Magnesium	64000		5000	660	ug/L		04/17/13 13:50	04/23/13 15:42	5
Manganese	570		75	17	ug/L		04/17/13 13:50	04/23/13 15:42	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:42	5
Potassium	110000		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:42	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:42	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:42	5
Sodium	170000		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:42	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:42	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:42	5
Zinc	28	J B	100	26	ug/L		04/17/13 13:50	04/23/13 15:42	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.065	J	0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060	J	0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			04/13/13 04:22	1
Bromide	1.2		0.25	0.025	mg/L			04/13/13 04:22	1
Sulfate	7.4		0.50	0.050	mg/L			04/13/13 04:22	1
Iodide	0.11	J	1.0	0.10	mg/L			04/16/13 10:58	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: I-4

Lab Sample ID: 160-2085-13

Date Collected: 04/12/13 13:20

Matrix: Water

Date Received: 04/12/13 14:10

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90**		4.0	0.40	mg/L			04/13/13 04:36	20
Alkalinity	**1200**	**B**	25	2.7	mg/L			04/25/13 13:45	5

Client Sample ID: DUP 07

Lab Sample ID: 160-2085-14

Date Collected: 04/12/13 00:00

Matrix: Water

Date Received: 04/12/13 14:10

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			04/18/13 04:58	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 04:58	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 04:58	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 04:58	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 04:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/18/13 04:58	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 04:58	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 04:58	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 04:58	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 04:58	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 04:58	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 04:58	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 04:58	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 04:58	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 04:58	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 04:58	1
Acetone	**9.0**	**J**	20	6.7	ug/L			04/18/13 04:58	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 04:58	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 04:58	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 04:58	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 04:58	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 04:58	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 04:58	1
Chlorobenzene	**0.92**	**J**	5.0	0.38	ug/L			04/18/13 04:58	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 04:58	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 04:58	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 04:58	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 04:58	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 04:58	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 04:58	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 04:58	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 04:58	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 04:58	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 04:58	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 04:58	1
Methyl tert-butyl ether	**1.1**	**J**	5.0	0.40	ug/L			04/18/13 04:58	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 04:58	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 04:58	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 04:58	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 04:58	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 04:58	1

TestAmerica St. Louis

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: DUP 07
Date Collected: 04/12/13 00:00
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 04:58	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 04:58	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 04:58	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 04:58	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 04:58	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 04:58	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 04:58	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*82 - 121*		*04/18/13 04:58*	*1*
Dibromofluoromethane (Surr)	*106*		*85 - 119*		*04/18/13 04:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*82 - 132*		*04/18/13 04:58*	*1*
Toluene-d8 (Surr)	*110*		*85 - 115*		*04/18/13 04:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:48	04/22/13 19:41	5
Antimony	ND		50	20	ug/L		04/17/13 13:48	04/22/13 19:41	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:48	04/22/13 19:41	5
Barium	**300**		250	20	ug/L		04/17/13 13:48	04/22/13 19:41	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:48	04/22/13 19:41	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 19:41	5
Calcium	**110000**		5000	530	ug/L		04/17/13 13:48	04/22/13 19:41	5
Chromium	ND		50	16	ug/L		04/17/13 13:48	04/22/13 19:41	5
Cobalt	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:41	5
Copper	ND		130	23	ug/L		04/17/13 13:48	04/22/13 19:41	5
Iron	**4700**		500	140	ug/L		04/17/13 13:48	04/22/13 19:41	5
Lead	ND		50	7.5	ug/L		04/17/13 13:48	04/22/13 19:41	5
Magnesium	**52000**		5000	660	ug/L		04/17/13 13:48	04/22/13 19:41	5
Manganese	**100**		75	17	ug/L		04/17/13 13:48	04/22/13 19:41	5
Nickel	ND		200	67	ug/L		04/17/13 13:48	04/22/13 19:41	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:48	04/22/13 19:41	5
Selenium	ND		75	13	ug/L		04/17/13 13:48	04/22/13 19:41	5
Silver	ND		50	30	ug/L		04/17/13 13:48	04/22/13 19:41	5
Sodium	**12000**		5000	1600	ug/L		04/17/13 13:48	04/22/13 19:41	5
Thallium	ND		100	20	ug/L		04/17/13 13:48	04/22/13 19:41	5
Vanadium	ND		250	20	ug/L		04/17/13 13:48	04/22/13 19:41	5
Zinc	**32**	**J B**	100	26	ug/L		04/17/13 13:48	04/22/13 19:41	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		1000	400	ug/L		04/17/13 13:50	04/23/13 15:45	5
Antimony	ND		50	20	ug/L		04/17/13 13:50	04/23/13 15:45	5
Arsenic	ND		50	9.9	ug/L		04/17/13 13:50	04/23/13 15:45	5
Barium	**350**		250	20	ug/L		04/17/13 13:50	04/23/13 15:45	5
Beryllium	ND		25	3.1	ug/L		04/17/13 13:50	04/23/13 15:45	5
Cadmium	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 15:45	5
Calcium	**130000**		5000	530	ug/L		04/17/13 13:50	04/23/13 15:45	5
Chromium	ND		50	16	ug/L		04/17/13 13:50	04/23/13 15:45	5

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: DUP 07

Date Collected: 04/12/13 00:00
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:45	5
Copper	ND		130	23	ug/L		04/17/13 13:50	04/23/13 15:45	5
Iron	**5000**		500	140	ug/L		04/17/13 13:50	04/23/13 15:45	5
Lead	ND		50	7.5	ug/L		04/17/13 13:50	04/23/13 15:45	5
Magnesium	**61000**		5000	660	ug/L		04/17/13 13:50	04/23/13 15:45	5
Manganese	**98**		75	17	ug/L		04/17/13 13:50	04/23/13 15:45	5
Nickel	ND		200	67	ug/L		04/17/13 13:50	04/23/13 15:45	5
Potassium	ND		25000	8300	ug/L		04/17/13 13:50	04/23/13 15:45	5
Selenium	ND		75	13	ug/L		04/17/13 13:50	04/23/13 15:45	5
Silver	ND		50	30	ug/L		04/17/13 13:50	04/23/13 15:45	5
Sodium	**16000**		5000	1600	ug/L		04/17/13 13:50	04/23/13 15:45	5
Thallium	ND		100	20	ug/L		04/17/13 13:50	04/23/13 15:45	5
Vanadium	ND		250	20	ug/L		04/17/13 13:50	04/23/13 15:45	5
Zinc	ND		100	26	ug/L		04/17/13 13:50	04/23/13 15:45	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 17:21	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		04/24/13 08:47	04/24/13 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.24**		0.020	0.0040	mg/L			04/13/13 05:05	1
Bromide	ND		0.25	0.025	mg/L			04/13/13 05:05	1
Sulfate	**0.080**	**J**	0.50	0.050	mg/L			04/13/13 05:05	1
Iodide	ND		1.0	0.10	mg/L			04/16/13 11:12	1
Alkalinity	**510**	**B**	5.0	0.54	mg/L			04/25/13 13:45	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		4.0	0.40	mg/L			04/13/13 05:19	20

Client Sample ID: TRIP BLANK

Date Collected: 04/12/13 00:00
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-15

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			04/17/13 23:15	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/17/13 23:15	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/17/13 23:15	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/17/13 23:15	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/17/13 23:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/17/13 23:15	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/17/13 23:15	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/17/13 23:15	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/17/13 23:15	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/17/13 23:15	1

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

TestAmerica Job ID: 160-2085-1

Client Sample ID: TRIP BLANK
Date Collected: 04/12/13 00:00
Date Received: 04/12/13 14:10

Lab Sample ID: 160-2085-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/17/13 23:15	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/17/13 23:15	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/17/13 23:15	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/17/13 23:15	1
2-Hexanone	ND		20	0.59	ug/L			04/17/13 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/17/13 23:15	1
Acetone	ND		20	6.7	ug/L			04/17/13 23:15	1
Benzene	ND		5.0	0.25	ug/L			04/17/13 23:15	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/17/13 23:15	1
Bromoform	ND		5.0	0.37	ug/L			04/17/13 23:15	1
Bromomethane	ND		10	0.40	ug/L			04/17/13 23:15	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/17/13 23:15	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/17/13 23:15	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/17/13 23:15	1
Chloroethane	ND		10	0.38	ug/L			04/17/13 23:15	1
Chloroform	ND		5.0	0.15	ug/L			04/17/13 23:15	1
Chloromethane	ND		10	0.55	ug/L			04/17/13 23:15	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/17/13 23:15	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/17/13 23:15	1
Cyclohexane	ND		10	0.36	ug/L			04/17/13 23:15	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/17/13 23:15	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/17/13 23:15	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/17/13 23:15	1
Methyl acetate	ND		5.0	2.3	ug/L			04/17/13 23:15	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/17/13 23:15	1
Methylcyclohexane	ND		10	0.26	ug/L			04/17/13 23:15	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/17/13 23:15	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/17/13 23:15	1
o-Xylene	ND		5.0	0.32	ug/L			04/17/13 23:15	1
Styrene	ND		5.0	0.35	ug/L			04/17/13 23:15	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/17/13 23:15	1
Toluene	ND		5.0	1.0	ug/L			04/17/13 23:15	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/17/13 23:15	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/17/13 23:15	1
Trichloroethene	ND		5.0	0.29	ug/L			04/17/13 23:15	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/17/13 23:15	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/17/13 23:15	1
Xylenes, Total	ND		10	0.85	ug/L			04/17/13 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*82 - 132*		*04/17/13 23:15*	*1*
4-Bromofluorobenzene (Surr)	*113*		*82 - 121*		*04/17/13 23:15*	*1*
Dibromofluoromethane (Surr)	*109*		*85 - 119*		*04/17/13 23:15*	*1*
Toluene-d8 (Surr)	*110*		*85 - 115*		*04/17/13 23:15*	*1*

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

Lab Sample ID: MB 160-47057/2
Matrix: Water
Analysis Batch: 47057

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			04/17/13 22:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/17/13 22:48	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/17/13 22:48	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/17/13 22:48	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/17/13 22:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			04/17/13 22:48	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/17/13 22:48	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/17/13 22:48	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/17/13 22:48	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/17/13 22:48	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/17/13 22:48	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/17/13 22:48	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/17/13 22:48	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/17/13 22:48	1
2-Hexanone	ND		20	0.59	ug/L			04/17/13 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/17/13 22:48	1
Acetone	ND		20	6.7	ug/L			04/17/13 22:48	1
Benzene	ND		5.0	0.25	ug/L			04/17/13 22:48	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/17/13 22:48	1
Bromoform	ND		5.0	0.37	ug/L			04/17/13 22:48	1
Bromomethane	ND		10	0.40	ug/L			04/17/13 22:48	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/17/13 22:48	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/17/13 22:48	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/17/13 22:48	1
Chloroethane	ND		10	0.38	ug/L			04/17/13 22:48	1
Chloroform	ND		5.0	0.15	ug/L			04/17/13 22:48	1
Chloromethane	ND		10	0.55	ug/L			04/17/13 22:48	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/17/13 22:48	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/17/13 22:48	1
Cyclohexane	ND		10	0.36	ug/L			04/17/13 22:48	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/17/13 22:48	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/17/13 22:48	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/17/13 22:48	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/17/13 22:48	1
Methyl acetate	ND		5.0	2.3	ug/L			04/17/13 22:48	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/17/13 22:48	1
Methylcyclohexane	ND		10	0.26	ug/L			04/17/13 22:48	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/17/13 22:48	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/17/13 22:48	1
o-Xylene	ND		5.0	0.32	ug/L			04/17/13 22:48	1
Styrene	ND		5.0	0.35	ug/L			04/17/13 22:48	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/17/13 22:48	1
Toluene	ND		5.0	1.0	ug/L			04/17/13 22:48	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/17/13 22:48	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/17/13 22:48	1
Trichloroethene	ND		5.0	0.29	ug/L			04/17/13 22:48	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/17/13 22:48	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/17/13 22:48	1

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

Lab Sample ID: MB 160-47057/2
Matrix: Water
Analysis Batch: 47057

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			04/17/13 22:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*		*04/17/13 22:48*	*1*
4-Bromofluorobenzene (Surr)	*109*		*82 - 121*		*04/17/13 22:48*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*04/17/13 22:48*	*1*
Toluene-d8 (Surr)	*110*		*85 - 115*		*04/17/13 22:48*	*1*

Lab Sample ID: LCS 160-47057/4
Matrix: Water
Analysis Batch: 47057

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	49.7		ug/L		99	85 - 115
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	85 - 115
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	84 - 115
1,1,2-Trichloroethane	50.0	48.2		ug/L		96	85 - 115
1,1-Dichloroethane	50.0	50.1		ug/L		100	85 - 115
1,1-Dichloroethene	50.0	49.6		ug/L		99	85 - 118
1,1-Dichloropropene	50.0	51.5		ug/L		103	85 - 115
1,2,3-Trichlorobenzene	50.0	49.4		ug/L		99	72 - 120
1,2,3-Trichloropropane	50.0	49.8		ug/L		100	80 - 115
1,2,4-Trichlorobenzene	50.0	49.9		ug/L		100	75 - 124
1,2,4-Trimethylbenzene	50.0	51.4		ug/L		103	85 - 115
1,2-Dibromo-3-chloropropane	50.0	50.0		ug/L		100	71 - 123
1,2-Dibromoethane	50.0	48.9		ug/L		98	85 - 115
1,2-Dichloro-1,1,2,2-tetrafluoroethane	50.0	48.5		ug/L		97	47 - 130
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	85 - 115
1,2-Dichloroethane	50.0	50.4		ug/L		101	79 - 122
1,2-Dichloroethene, Total	100	100		ug/L		100	85 - 115
1,2-Dichloropropane	50.0	51.4		ug/L		103	85 - 115
1,3,5-Trimethylbenzene	50.0	52.3		ug/L		105	85 - 117
1,3-Dichlorobenzene	50.0	49.9		ug/L		100	85 - 115
1,3-Dichloropropane	50.0	49.0		ug/L		98	84 - 115
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	85 - 115
1,4-Dioxane	1000	1060		ug/L		106	26 - 141
1-Butanol	500	503		ug/L		101	49 - 132
2,2-Dichloropropane	50.0	50.7		ug/L		101	85 - 127
2-Butanone (MEK)	50.0	56.8		ug/L		114	71 - 123
2-Chloro-1,3-butadiene	50.0	52.7		ug/L		105	70 - 115
2-Chloroethyl vinyl ether	50.0	41.3		ug/L		83	64 - 125
2-Chlorotoluene	50.0	50.7		ug/L		101	83 - 119
2-Hexanone	50.0	50.3		ug/L		101	66 - 121
2-Nitropropane	100	101		ug/L		101	63 - 115
4-Chlorotoluene	50.0	51.0		ug/L		102	84 - 118
4-Isopropyltoluene	50.0	51.9		ug/L		104	85 - 119
4-Methyl-2-pentanone (MIBK)	50.0	52.9		ug/L		106	74 - 123

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

Lab Sample ID: LCS 160-47057/4
Matrix: Water
Analysis Batch: 47057

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	50.3		ug/L		101	51 - 140
Acetonitrile	250	254		ug/L		102	44 - 140
Acrolein	250	252		ug/L		101	79 - 115
Acrylonitrile	250	272		ug/L		109	78 - 126
Allyl chloride	50.0	51.2		ug/L		102	76 - 119
Benzene	50.0	49.9		ug/L		100	85 - 115
Bromobenzene	50.0	51.6		ug/L		103	85 - 115
Bromochloromethane	50.0	51.4		ug/L		103	84 - 117
Bromodichloromethane	50.0	50.8		ug/L		102	85 - 117
Bromoform	50.0	52.4		ug/L		105	85 - 115
Bromomethane	50.0	50.9		ug/L		102	70 - 135
Carbon disulfide	50.0	50.0		ug/L		100	85 - 123
Carbon tetrachloride	50.0	49.8		ug/L		100	85 - 118
Chlorobenzene	50.0	48.4		ug/L		97	85 - 115
Chloroethane	50.0	50.1		ug/L		100	75 - 125
Chloroform	50.0	49.7		ug/L		99	85 - 115
Chloromethane	50.0	48.4		ug/L		97	73 - 132
cis-1,2-Dichloroethene	50.0	50.7		ug/L		101	85 - 115
cis-1,3-Dichloropropene	50.0	53.0		ug/L		106	85 - 127
Cyclohexane	50.0	52.2		ug/L		104	73 - 115
Cyclohexanone	500	536		ug/L		107	29 - 122
Dibromochloromethane	50.0	50.0		ug/L		100	85 - 115
Dibromomethane	50.0	50.3		ug/L		101	85 - 115
Dichlorodifluoromethane	50.0	47.9		ug/L		96	62 - 115
Ethyl acetate	100	102		ug/L		102	67 - 119
Ethyl ether	100	103		ug/L		103	77 - 115
Ethyl methacrylate	50.0	48.8		ug/L		98	67 - 115
Ethylbenzene	50.0	49.2		ug/L		98	85 - 115
Hexachlorobutadiene	50.0	48.0		ug/L		96	74 - 127
Iodomethane	50.0	49.8		ug/L		100	83 - 124
Isobutanol	1000	1000		ug/L		100	51 - 136
Isopropylbenzene	50.0	52.3		ug/L		105	85 - 124
Methacrylonitrile	250	263		ug/L		105	70 - 115
Methyl acetate	50.0	52.1		ug/L		104	73 - 135
Methyl methacrylate	50.0	52.6		ug/L		105	61 - 115
Methyl tert-butyl ether	50.0	52.7		ug/L		105	73 - 115
Methylcyclohexane	50.0	52.3		ug/L		105	85 - 134
Methylene Chloride	50.0	49.2		ug/L		98	84 - 115
m-Xylene & p-Xylene	100	101		ug/L		101	85 - 115
Naphthalene	50.0	49.4		ug/L		99	70 - 123
n-Butylbenzene	50.0	50.0		ug/L		100	85 - 116
n-Hexane	50.0	50.2		ug/L		100	85 - 139
N-Propylbenzene	50.0	52.2		ug/L		104	85 - 117
o-Xylene	50.0	52.4		ug/L		105	85 - 115
Propionitrile	250	258		ug/L		103	66 - 115
sec-Butylbenzene	50.0	51.4		ug/L		103	85 - 118
Styrene	50.0	52.8		ug/L		106	85 - 115
tert-Butylbenzene	50.0	52.1		ug/L		104	85 - 124

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

Lab Sample ID: LCS 160-47057/4
Matrix: Water
Analysis Batch: 47057

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	49.0		ug/L		98	85 - 115		
Tetrahydrofuran			250	265		ug/L		106	63 - 117		
Toluene			50.0	49.6		ug/L		99	85 - 115		
trans-1,2-Dichloroethene			50.0	49.5		ug/L		99	85 - 115		
trans-1,3-Dichloropropene			50.0	51.3		ug/L		103	85 - 123		
trans-1,4-Dichloro-2-butene			50.0	47.9		ug/L		96	77 - 115		
Trichloroethene			50.0	48.2		ug/L		96	85 - 115		
Trichlorofluoromethane			50.0	49.6		ug/L		99	85 - 116		
Vinyl acetate			50.0	54.8		ug/L		110	39 - 124		
Vinyl chloride			50.0	48.8		ug/L		98	68 - 133		
Xylenes, Total			150	153		ug/L		102			

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*82 - 132*
4-Bromofluorobenzene (Surr)	*109*		*82 - 121*
Dibromofluoromethane (Surr)	*108*		*85 - 119*
Toluene-d8 (Surr)	*103*		*85 - 115*

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47057

Client Sample ID: PZ-208-SS
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	50.7		ug/L		101	85 - 115		
1,1,1-Trichloroethane	ND		50.0	48.8		ug/L		98	85 - 118		
1,1,2,2-Tetrachloroethane	ND		50.0	44.0		ug/L		88	85 - 116		
1,1,2-Trichloroethane	ND		50.0	47.5		ug/L		95	85 - 115		
1,1-Dichloroethane	ND		50.0	48.8		ug/L		98	85 - 115		
1,1-Dichloroethene	ND		50.0	48.8		ug/L		98	85 - 118		
1,1-Dichloropropene	ND		50.0	50.7		ug/L		101	85 - 115		
1,2,3-Trichlorobenzene	ND		50.0	49.6		ug/L		99	70 - 120		
1,2,3-Trichloropropane	ND		50.0	44.3		ug/L		89	80 - 115		
1,2,4-Trichlorobenzene	ND		50.0	51.3		ug/L		103	75 - 124		
1,2,4-Trimethylbenzene	ND		50.0	49.6		ug/L		99	85 - 115		
1,2-Dibromo-3-chloropropane	ND		50.0	46.1		ug/L		92	71 - 123		
1,2-Dibromoethane	ND		50.0	48.4		ug/L		97	85 - 115		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	47.6		ug/L		95	47 - 130		
1,2-Dichlorobenzene	ND		50.0	47.9		ug/L		96	84 - 115		
1,2-Dichloroethane	ND		50.0	46.9		ug/L		94	80 - 125		
1,2-Dichloroethene, Total	ND		100	96.9		ug/L		97	85 - 115		
1,2-Dichloropropane	ND		50.0	49.1		ug/L		98	85 - 117		
1,3,5-Trimethylbenzene	ND		50.0	50.4		ug/L		101	85 - 116		
1,3-Dichlorobenzene	ND		50.0	48.5		ug/L		97	84 - 115		
1,3-Dichloropropane	ND		50.0	47.9		ug/L		96	85 - 115		
1,4-Dichlorobenzene	ND		50.0	47.9		ug/L		96	85 - 115		
1,4-Dioxane	ND		1000	956		ug/L		96	36 - 157		
1-Butanol	ND		500	489		ug/L		98	53 - 140		

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

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47057

Client Sample ID: PZ-208-SS
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	50.0		ug/L		100	80 - 122
2-Butanone (MEK)	ND		50.0	45.7		ug/L		91	73 - 133
2-Chloro-1,3-butadiene	ND		50.0	51.8		ug/L		104	70 - 115
2-Chloroethyl vinyl ether	ND		50.0	10.0	J	ug/L		20	15 - 147
2-Chlorotoluene	ND		50.0	48.5		ug/L		97	84 - 117
2-Hexanone	ND		50.0	46.0		ug/L		92	66 - 121
2-Nitropropane	ND		100	92.6		ug/L		93	64 - 118
4-Chlorotoluene	ND		50.0	49.1		ug/L		98	85 - 115
4-Isopropyltoluene	ND		50.0	51.3		ug/L		103	85 - 116
4-Methyl-2-pentanone (MIBK)	ND		50.0	48.1		ug/L		96	77 - 134
Acetone	ND		50.0	43.5		ug/L		87	38 - 150
Acetonitrile	ND		250	230		ug/L		92	44 - 141
Acrolein	ND		250	231		ug/L		92	60 - 122
Acrylonitrile	ND		250	251		ug/L		101	78 - 128
Allyl chloride	ND		50.0	50.9		ug/L		102	76 - 119
Benzene	ND		50.0	48.5		ug/L		97	85 - 115
Bromobenzene	ND		50.0	47.9		ug/L		96	85 - 115
Bromochloromethane	ND		50.0	48.0		ug/L		96	85 - 115
Bromodichloromethane	ND		50.0	48.9		ug/L		98	56 - 119
Bromoform	ND		50.0	47.1		ug/L		94	84 - 116
Bromomethane	ND		50.0	49.5		ug/L		99	70 - 135
Carbon disulfide	ND		50.0	48.7		ug/L		97	85 - 127
Carbon tetrachloride	ND		50.0	49.1		ug/L		98	85 - 121
Chlorobenzene	ND		50.0	49.9		ug/L		100	85 - 115
Chloroethane	ND		50.0	48.5		ug/L		97	73 - 123
Chloroform	0.16	J	50.0	47.9		ug/L		96	85 - 115
Chloromethane	ND		50.0	46.9		ug/L		94	67 - 130
cis-1,2-Dichloroethene	0.17	J	50.0	48.8		ug/L		97	80 - 116
cis-1,3-Dichloropropene	ND		50.0	49.6		ug/L		99	85 - 124
Cyclohexane	ND		50.0	51.5		ug/L		103	73 - 115
Cyclohexanone	ND		500	428		ug/L		86	26 - 121
Dibromochloromethane	ND		50.0	50.1		ug/L		100	85 - 115
Dibromomethane	ND		50.0	46.2		ug/L		92	85 - 115
Dichlorodifluoromethane	ND		50.0	46.1		ug/L		92	85 - 119
Ethyl acetate	ND		100	90.6		ug/L		91	71 - 116
Ethyl ether	ND		100	94.8		ug/L		95	79 - 115
Ethyl methacrylate	ND		50.0	47.2		ug/L		94	67 - 115
Ethylbenzene	ND		50.0	50.9		ug/L		102	85 - 115
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	64 - 134
Iodomethane	ND		50.0	52.6		ug/L		105	78 - 126
Isobutanol	ND		1000	895		ug/L		90	51 - 137
Isopropylbenzene	ND		50.0	50.6		ug/L		101	85 - 124
Methacrylonitrile	ND		250	236		ug/L		94	70 - 118
Methyl acetate	ND		50.0	45.7		ug/L		91	49 - 150
Methyl methacrylate	ND		50.0	47.0		ug/L		94	61 - 115
Methyl tert-butyl ether	ND		50.0	48.3		ug/L		97	75 - 115
Methylcyclohexane	ND		50.0	50.9		ug/L		102	85 - 137
Methylene Chloride	ND		50.0	47.7		ug/L		95	85 - 115

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

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47057

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	ND		100	105		ug/L		105	85 - 115
Naphthalene	ND		50.0	47.9		ug/L		96	70 - 123
n-Butylbenzene	ND		50.0	50.5		ug/L		101	85 - 115
n-Hexane	ND		50.0	51.4		ug/L		103	85 - 137
N-Propylbenzene	ND		50.0	50.9		ug/L		102	85 - 115
o-Xylene	ND		50.0	54.4		ug/L		109	85 - 118
Propionitrile	ND		250	233		ug/L		93	69 - 120
sec-Butylbenzene	ND		50.0	50.4		ug/L		101	83 - 117
Styrene	ND		50.0	52.9		ug/L		106	85 - 115
tert-Butylbenzene	ND		50.0	51.4		ug/L		103	85 - 122
Tetrachloroethene	ND		50.0	51.6		ug/L		103	85 - 118
Tetrahydrofuran	ND		250	226		ug/L		90	63 - 115
Toluene	ND		50.0	51.4		ug/L		103	85 - 118
trans-1,2-Dichloroethene	ND		50.0	48.1		ug/L		96	84 - 115
trans-1,3-Dichloropropene	ND		50.0	51.0		ug/L		102	85 - 127
trans-1,4-Dichloro-2-butene	ND		50.0	43.3		ug/L		87	76 - 115
Trichloroethene	ND		50.0	47.4		ug/L		95	85 - 115
Trichlorofluoromethane	ND		50.0	47.9		ug/L		96	85 - 115
Vinyl acetate	ND		50.0	50.5		ug/L		101	24 - 136
Vinyl chloride	ND		50.0	47.9		ug/L		96	63 - 129
Xylenes, Total	ND		150	159		ug/L		106	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*82 - 132*
4-Bromofluorobenzene (Surr)	*101*		*82 - 121*
Dibromofluoromethane (Surr)	*102*		*85 - 119*
Toluene-d8 (Surr)	*105*		*85 - 115*

Lab Sample ID: 160-2085-1 MSD
Matrix: Water
Analysis Batch: 47057

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	50.5		ug/L		101	85 - 115	1	20
1,1,1-Trichloroethane	ND		50.0	49.3		ug/L		99	85 - 118	1	20
1,1,2,2-Tetrachloroethane	ND		50.0	46.9		ug/L		94	85 - 116	6	20
1,1,2-Trichloroethane	ND		50.0	49.1		ug/L		98	85 - 115	3	20
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	85 - 115	2	20
1,1-Dichloroethene	ND		50.0	48.9		ug/L		98	85 - 118	0	20
1,1-Dichloropropene	ND		50.0	51.0		ug/L		102	85 - 115	1	20
1,2,3-Trichlorobenzene	ND		50.0	50.3		ug/L		101	70 - 120	1	20
1,2,3-Trichloropropane	ND		50.0	46.7		ug/L		93	80 - 115	5	20
1,2,4-Trichlorobenzene	ND		50.0	50.9		ug/L		102	75 - 124	1	20
1,2,4-Trimethylbenzene	ND		50.0	50.0		ug/L		100	85 - 115	1	20
1,2-Dibromo-3-chloropropane	ND		50.0	48.8		ug/L		98	71 - 123	6	20
1,2-Dibromoethane	ND		50.0	49.5		ug/L		99	85 - 115	2	20
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	49.0		ug/L		98	47 - 130	3	20

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

Lab Sample ID: 160-2085-1 MSD
Matrix: Water
Analysis Batch: 47057

Client Sample ID: PZ-208-SS
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	48.6		ug/L		97	84 - 115	1	20
1,2-Dichloroethane	ND		50.0	47.9		ug/L		96	80 - 125	2	20
1,2-Dichloroethene, Total	ND		100	98.5		ug/L		99	85 - 115	2	20
1,2-Dichloropropane	ND		50.0	50.3		ug/L		101	85 - 117	3	20
1,3,5-Trimethylbenzene	ND		50.0	50.7		ug/L		101	85 - 116	1	20
1,3-Dichlorobenzene	ND		50.0	48.4		ug/L		97	84 - 115	0	20
1,3-Dichloropropane	ND		50.0	49.5		ug/L		99	85 - 115	3	20
1,4-Dichlorobenzene	ND		50.0	48.6		ug/L		97	85 - 115	1	20
1,4-Dioxane	ND		1000	1040		ug/L		104	36 - 157	9	20
1-Butanol	ND		500	461		ug/L		92	53 - 140	6	20
2,2-Dichloropropane	ND		50.0	49.9		ug/L		100	80 - 122	0	20
2-Butanone (MEK)	ND		50.0	51.6		ug/L		103	73 - 133	12	20
2-Chloro-1,3-butadiene	ND		50.0	52.9		ug/L		106	70 - 115	2	20
2-Chloroethyl vinyl ether	ND		50.0	2.16	J F	ug/L		4	15 - 147	129	20
2-Chlorotoluene	ND		50.0	49.0		ug/L		98	84 - 117	1	20
2-Hexanone	ND		50.0	49.0		ug/L		98	66 - 121	6	20
2-Nitropropane	ND		100	99.3		ug/L		99	64 - 118	7	20
4-Chlorotoluene	ND		50.0	49.3		ug/L		99	85 - 115	0	20
4-Isopropyltoluene	ND		50.0	51.5		ug/L		103	85 - 116	0	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	50.7		ug/L		101	77 - 134	5	20
Acetone	ND		50.0	47.4		ug/L		95	38 - 150	9	20
Acetonitrile	ND		250	250		ug/L		100	44 - 141	9	20
Acrolein	ND		250	255		ug/L		102	60 - 122	10	20
Acrylonitrile	ND		250	265		ug/L		106	78 - 128	5	20
Allyl chloride	ND		50.0	50.3		ug/L		101	76 - 119	1	20
Benzene	ND		50.0	49.2		ug/L		98	85 - 115	1	20
Bromobenzene	ND		50.0	50.2		ug/L		100	85 - 115	5	20
Bromochloromethane	ND		50.0	49.7		ug/L		99	85 - 115	3	20
Bromodichloromethane	ND		50.0	49.9		ug/L		100	56 - 119	2	20
Bromoform	ND		50.0	49.1		ug/L		98	84 - 116	4	20
Bromomethane	ND		50.0	49.3		ug/L		99	70 - 135	0	20
Carbon disulfide	ND		50.0	49.6		ug/L		99	85 - 127	2	20
Carbon tetrachloride	ND		50.0	49.7		ug/L		99	85 - 121	1	20
Chlorobenzene	ND		50.0	49.7		ug/L		99	85 - 115	0	20
Chloroethane	ND		50.0	47.7		ug/L		95	73 - 123	2	20
Chloroform	0.16	J	50.0	48.5		ug/L		97	85 - 115	1	20
Chloromethane	ND		50.0	46.9		ug/L		94	67 - 130	0	20
cis-1,2-Dichloroethene	0.17	J	50.0	50.0		ug/L		100	80 - 116	2	20
cis-1,3-Dichloropropene	ND		50.0	50.6		ug/L		101	85 - 124	2	20
Cyclohexane	ND		50.0	52.1		ug/L		104	73 - 115	1	20
Cyclohexanone	ND		500	415		ug/L		83	26 - 121	3	20
Dibromochloromethane	ND		50.0	50.1		ug/L		100	85 - 115	0	20
Dibromomethane	ND		50.0	48.7		ug/L		97	85 - 115	5	20
Dichlorodifluoromethane	ND		50.0	46.5		ug/L		93	85 - 119	1	20
Ethyl acetate	ND		100	98.1		ug/L		98	71 - 116	8	20
Ethyl ether	ND		100	99.9		ug/L		100	79 - 115	5	20
Ethyl methacrylate	ND		50.0	48.1		ug/L		96	67 - 115	2	20
Ethylbenzene	ND		50.0	50.8		ug/L		102	85 - 115	0	20

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

Lab Sample ID: 160-2085-1 MSD
Matrix: Water
Analysis Batch: 47057

Client Sample ID: PZ-208-SS
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	49.9		ug/L		100	64 - 134	3	20
Iodomethane	ND		50.0	52.2		ug/L		104	78 - 126	1	20
Isobutanol	ND		1000	979		ug/L		98	51 - 137	9	20
Isopropylbenzene	ND		50.0	51.5		ug/L		103	85 - 124	2	20
Methacrylonitrile	ND		250	251		ug/L		101	70 - 118	6	20
Methyl acetate	ND		50.0	49.3		ug/L		99	49 - 150	7	20
Methyl methacrylate	ND		50.0	49.8		ug/L		100	61 - 115	6	20
Methyl tert-butyl ether	ND		50.0	50.0		ug/L		100	75 - 115	3	20
Methylcyclohexane	ND		50.0	51.8		ug/L		104	85 - 137	2	20
Methylene Chloride	ND		50.0	47.7		ug/L		95	85 - 115	0	20
m-Xylene & p-Xylene	ND		100	104		ug/L		104	85 - 115	1	20
Naphthalene	ND		50.0	48.5		ug/L		97	70 - 123	1	20
n-Butylbenzene	ND		50.0	49.7		ug/L		99	85 - 115	2	20
n-Hexane	ND		50.0	50.6		ug/L		101	85 - 137	2	20
N-Propylbenzene	ND		50.0	51.3		ug/L		103	85 - 115	1	20
o-Xylene	ND		50.0	54.8		ug/L		110	85 - 118	1	20
Propionitrile	ND		250	253		ug/L		101	69 - 120	8	20
sec-Butylbenzene	ND		50.0	50.7		ug/L		101	83 - 117	1	20
Styrene	ND		50.0	53.4		ug/L		107	85 - 115	1	20
tert-Butylbenzene	ND		50.0	51.7		ug/L		103	85 - 122	1	20
Tetrachloroethene	ND		50.0	51.1		ug/L		102	85 - 118	1	20
Tetrahydrofuran	ND		250	253		ug/L		101	63 - 115	11	20
Toluene	ND		50.0	51.6		ug/L		103	85 - 118	0	20
trans-1,2-Dichloroethene	ND		50.0	48.5		ug/L		97	84 - 115	1	20
trans-1,3-Dichloropropene	ND		50.0	50.9		ug/L		102	85 - 127	0	20
trans-1,4-Dichloro-2-butene	ND		50.0	42.7		ug/L		85	76 - 115	1	20
Trichloroethene	ND		50.0	48.1		ug/L		96	85 - 115	1	20
Trichlorofluoromethane	ND		50.0	47.9		ug/L		96	85 - 115	0	20
Vinyl acetate	ND		50.0	55.0		ug/L		110	24 - 136	9	20
Vinyl chloride	ND		50.0	48.0		ug/L		96	63 - 129	0	20
Xylenes, Total	ND		150	159		ug/L		106	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*82 - 132*
4-Bromofluorobenzene (Surr)	*104*		*82 - 121*
Dibromofluoromethane (Surr)	*106*		*85 - 119*
Toluene-d8 (Surr)	*105*		*85 - 115*

Lab Sample ID: MB 160-47062/2
Matrix: Water
Analysis Batch: 47062

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			04/18/13 23:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			04/18/13 23:48	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			04/18/13 23:48	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			04/18/13 23:48	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			04/18/13 23:48	1

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

Lab Sample ID: MB 160-47062/2
Matrix: Water
Analysis Batch: 47062

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			04/18/13 23:48	1
1,2-Dibromo-3-chloropropane	ND		10	1.2	ug/L			04/18/13 23:48	1
1,2-Dibromoethane	ND		5.0	0.44	ug/L			04/18/13 23:48	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			04/18/13 23:48	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			04/18/13 23:48	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			04/18/13 23:48	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			04/18/13 23:48	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			04/18/13 23:48	1
2-Butanone (MEK)	ND		20	0.39	ug/L			04/18/13 23:48	1
2-Hexanone	ND		20	0.59	ug/L			04/18/13 23:48	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			04/18/13 23:48	1
Acetone	ND		20	6.7	ug/L			04/18/13 23:48	1
Benzene	ND		5.0	0.25	ug/L			04/18/13 23:48	1
Bromodichloromethane	ND		5.0	0.25	ug/L			04/18/13 23:48	1
Bromoform	ND		5.0	0.37	ug/L			04/18/13 23:48	1
Bromomethane	ND		10	0.40	ug/L			04/18/13 23:48	1
Carbon disulfide	ND		5.0	0.37	ug/L			04/18/13 23:48	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			04/18/13 23:48	1
Chlorobenzene	ND		5.0	0.38	ug/L			04/18/13 23:48	1
Chloroethane	ND		10	0.38	ug/L			04/18/13 23:48	1
Chloroform	ND		5.0	0.15	ug/L			04/18/13 23:48	1
Chloromethane	ND		10	0.55	ug/L			04/18/13 23:48	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			04/18/13 23:48	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			04/18/13 23:48	1
Cyclohexane	ND		10	0.36	ug/L			04/18/13 23:48	1
Dibromochloromethane	ND		5.0	0.33	ug/L			04/18/13 23:48	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			04/18/13 23:48	1
Ethylbenzene	ND		5.0	0.30	ug/L			04/18/13 23:48	1
Isopropylbenzene	ND		5.0	0.26	ug/L			04/18/13 23:48	1
Methyl acetate	ND		5.0	2.3	ug/L			04/18/13 23:48	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			04/18/13 23:48	1
Methylcyclohexane	ND		10	0.26	ug/L			04/18/13 23:48	1
Methylene Chloride	ND		5.0	1.7	ug/L			04/18/13 23:48	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			04/18/13 23:48	1
o-Xylene	ND		5.0	0.32	ug/L			04/18/13 23:48	1
Styrene	ND		5.0	0.35	ug/L			04/18/13 23:48	1
Tetrachloroethene	ND		5.0	0.28	ug/L			04/18/13 23:48	1
Toluene	ND		5.0	1.0	ug/L			04/18/13 23:48	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			04/18/13 23:48	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			04/18/13 23:48	1
Trichloroethene	ND		5.0	0.29	ug/L			04/18/13 23:48	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			04/18/13 23:48	1
Vinyl chloride	ND		5.0	0.43	ug/L			04/18/13 23:48	1
Xylenes, Total	ND		10	0.85	ug/L			04/18/13 23:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*82 - 132*		*04/18/13 23:48*	*1*
4-Bromofluorobenzene (Surr)	*109*		*82 - 121*		*04/18/13 23:48*	*1*

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

Lab Sample ID: MB 160-47062/2
Matrix: Water
Analysis Batch: 47062

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		85 - 119		04/18/13 23:48	1
Toluene-d8 (Surr)	106		85 - 115		04/18/13 23:48	1

Lab Sample ID: LCS 160-47062/4
Matrix: Water
Analysis Batch: 47062

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	49.4		ug/L		99	85 - 115
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	85 - 115
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	84 - 115
1,1,2-Trichloroethane	50.0	47.2		ug/L		94	85 - 115
1,1-Dichloroethane	50.0	50.2		ug/L		100	85 - 115
1,1-Dichloroethene	50.0	48.8		ug/L		98	85 - 118
1,1-Dichloropropene	50.0	50.7		ug/L		101	85 - 115
1,2,3-Trichlorobenzene	50.0	49.5		ug/L		99	72 - 120
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	80 - 115
1,2,4-Trichlorobenzene	50.0	49.9		ug/L		100	75 - 124
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	85 - 115
1,2-Dibromo-3-chloropropane	50.0	46.2		ug/L		92	71 - 123
1,2-Dibromoethane	50.0	48.0		ug/L		96	85 - 115
1,2-Dichloro-1,1,2,2-tetrafluoroethane	50.0	48.5		ug/L		97	47 - 130
1,2-Dichlorobenzene	50.0	49.9		ug/L		100	85 - 115
1,2-Dichloroethane	50.0	48.3		ug/L		97	79 - 122
1,2-Dichloroethene, Total	100	98.4		ug/L		98	85 - 115
1,2-Dichloropropane	50.0	50.2		ug/L		100	85 - 115
1,3,5-Trimethylbenzene	50.0	53.5		ug/L		107	85 - 117
1,3-Dichlorobenzene	50.0	50.7		ug/L		101	85 - 115
1,3-Dichloropropane	50.0	48.5		ug/L		97	84 - 115
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	85 - 115
1,4-Dioxane	1000	998		ug/L		100	26 - 141
1-Butanol	500	484		ug/L		97	49 - 132
2,2-Dichloropropane	50.0	51.0		ug/L		102	85 - 127
2-Butanone (MEK)	50.0	50.7		ug/L		101	71 - 123
2-Chloro-1,3-butadiene	50.0	53.4		ug/L		107	70 - 115
2-Chloroethyl vinyl ether	50.0	37.7		ug/L		75	64 - 125
2-Chlorotoluene	50.0	52.0		ug/L		104	83 - 119
2-Hexanone	50.0	45.7		ug/L		91	66 - 121
2-Nitropropane	100	89.7		ug/L		90	63 - 115
4-Chlorotoluene	50.0	52.6		ug/L		105	84 - 118
4-Isopropyltoluene	50.0	53.6		ug/L		107	85 - 119
4-Methyl-2-pentanone (MIBK)	50.0	48.1		ug/L		96	74 - 123
Acetone	50.0	46.5		ug/L		93	51 - 140
Acetonitrile	250	234		ug/L		93	44 - 140
Acrolein	250	222		ug/L		89	79 - 115
Acrylonitrile	250	244		ug/L		98	78 - 126
Allyl chloride	50.0	50.7		ug/L		101	76 - 119

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

Lab Sample ID: LCS 160-47062/4
Matrix: Water
Analysis Batch: 47062

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	49.2		ug/L		98	85 - 115
Bromobenzene	50.0	51.8		ug/L		104	85 - 115
Bromochloromethane	50.0	48.7		ug/L		97	84 - 117
Bromodichloromethane	50.0	49.5		ug/L		99	85 - 117
Bromoform	50.0	48.9		ug/L		98	85 - 115
Bromomethane	50.0	48.0		ug/L		96	70 - 135
Carbon disulfide	50.0	48.7		ug/L		97	85 - 123
Carbon tetrachloride	50.0	49.9		ug/L		100	85 - 118
Chlorobenzene	50.0	49.9		ug/L		100	85 - 115
Chloroethane	50.0	50.3		ug/L		101	75 - 125
Chloroform	50.0	49.0		ug/L		98	85 - 115
Chloromethane	50.0	46.9		ug/L		94	73 - 132
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	85 - 115
cis-1,3-Dichloropropene	50.0	50.5		ug/L		101	85 - 127
Cyclohexane	50.0	51.6		ug/L		103	73 - 115
Cyclohexanone	500	510		ug/L		102	29 - 122
Dibromochloromethane	50.0	49.0		ug/L		98	85 - 115
Dibromomethane	50.0	47.9		ug/L		96	85 - 115
Dichlorodifluoromethane	50.0	44.9		ug/L		90	62 - 115
Ethyl acetate	100	92.3		ug/L		92	67 - 119
Ethyl ether	100	96.0		ug/L		96	77 - 115
Ethyl methacrylate	50.0	44.7		ug/L		89	67 - 115
Ethylbenzene	50.0	51.0		ug/L		102	85 - 115
Hexachlorobutadiene	50.0	49.8		ug/L		100	74 - 127
Iodomethane	50.0	49.8		ug/L		100	83 - 124
Isobutanol	1000	907		ug/L		91	51 - 136
Isopropylbenzene	50.0	54.3		ug/L		109	85 - 124
Methacrylonitrile	250	246		ug/L		98	70 - 115
Methyl acetate	50.0	45.3		ug/L		91	73 - 135
Methyl methacrylate	50.0	45.9		ug/L		92	61 - 115
Methyl tert-butyl ether	50.0	48.5		ug/L		97	73 - 115
Methylcyclohexane	50.0	51.9		ug/L		104	85 - 134
Methylene Chloride	50.0	49.0		ug/L		98	84 - 115
m-Xylene & p-Xylene	100	104		ug/L		104	85 - 115
Naphthalene	50.0	47.9		ug/L		96	70 - 123
n-Butylbenzene	50.0	52.1		ug/L		104	85 - 116
n-Hexane	50.0	50.6		ug/L		101	85 - 139
N-Propylbenzene	50.0	54.2		ug/L		108	85 - 117
o-Xylene	50.0	53.9		ug/L		108	85 - 115
Propionitrile	250	236		ug/L		94	66 - 115
sec-Butylbenzene	50.0	53.1		ug/L		106	85 - 118
Styrene	50.0	54.0		ug/L		108	85 - 115
tert-Butylbenzene	50.0	54.2		ug/L		108	85 - 124
Tetrachloroethene	50.0	50.5		ug/L		101	85 - 115
Tetrahydrofuran	250	231		ug/L		93	63 - 117
Toluene	50.0	51.3		ug/L		103	85 - 115
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	85 - 115
trans-1,3-Dichloropropene	50.0	49.4		ug/L		99	85 - 123

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

Lab Sample ID: LCS 160-47062/4
Matrix: Water
Analysis Batch: 47062

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	43.4		ug/L		87	77 - 115
Trichloroethene	50.0	48.4		ug/L		97	85 - 115
Trichlorofluoromethane	50.0	49.0		ug/L		98	85 - 116
Vinyl acetate	50.0	49.3		ug/L		99	39 - 124
Vinyl chloride	50.0	47.8		ug/L		96	68 - 133
Xylenes, Total	150	158		ug/L		105	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*82 - 132*
4-Bromofluorobenzene (Surr)	*107*		*82 - 121*
Dibromofluoromethane (Surr)	*102*		*85 - 119*
Toluene-d8 (Surr)	*103*		*85 - 115*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 160-46454/1-A
Matrix: Water
Analysis Batch: 47292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/17/13 13:48	04/22/13 18:25	1
Antimony	ND		10	4.0	ug/L		04/17/13 13:48	04/22/13 18:25	1
Arsenic	ND		10	2.0	ug/L		04/17/13 13:48	04/22/13 18:25	1
Barium	ND		50	4.0	ug/L		04/17/13 13:48	04/22/13 18:25	1
Beryllium	ND		5.0	0.61	ug/L		04/17/13 13:48	04/22/13 18:25	1
Cadmium	ND		5.0	0.91	ug/L		04/17/13 13:48	04/22/13 18:25	1
Calcium	ND		1000	110	ug/L		04/17/13 13:48	04/22/13 18:25	1
Chromium	ND		10	3.1	ug/L		04/17/13 13:48	04/22/13 18:25	1
Cobalt	ND		50	4.0	ug/L		04/17/13 13:48	04/22/13 18:25	1
Copper	ND		25	4.6	ug/L		04/17/13 13:48	04/22/13 18:25	1
Iron	ND		100	28	ug/L		04/17/13 13:48	04/22/13 18:25	1
Lead	ND		10	1.5	ug/L		04/17/13 13:48	04/22/13 18:25	1
Magnesium	ND		1000	130	ug/L		04/17/13 13:48	04/22/13 18:25	1
Manganese	ND		15	3.3	ug/L		04/17/13 13:48	04/22/13 18:25	1
Nickel	ND		40	13	ug/L		04/17/13 13:48	04/22/13 18:25	1
Potassium	ND		5000	1700	ug/L		04/17/13 13:48	04/22/13 18:25	1
Selenium	ND		15	2.7	ug/L		04/17/13 13:48	04/22/13 18:25	1
Silver	ND		10	6.0	ug/L		04/17/13 13:48	04/22/13 18:25	1
Sodium	ND		1000	320	ug/L		04/17/13 13:48	04/22/13 18:25	1
Thallium	ND		20	4.0	ug/L		04/17/13 13:48	04/22/13 18:25	1
Vanadium	ND		50	4.1	ug/L		04/17/13 13:48	04/22/13 18:25	1
Zinc	6.60	J	20	5.2	ug/L		04/17/13 13:48	04/22/13 18:25	1

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

Lab Sample ID: LCS 160-46454/2-A
Matrix: Water
Analysis Batch: 47292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10300		ug/L		103	80 - 120
Antimony	500	527		ug/L		105	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Barium	1000	1040		ug/L		104	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	1050		ug/L		105	80 - 120
Calcium	10000	10600		ug/L		106	80 - 120
Chromium	1000	1070		ug/L		107	80 - 120
Cobalt	1000	1100		ug/L		110	80 - 120
Copper	1000	1060		ug/L		106	80 - 120
Iron	10000	10500		ug/L		105	80 - 120
Lead	1000	1070		ug/L		107	80 - 120
Magnesium	10000	10500		ug/L		105	80 - 120
Manganese	1000	1050		ug/L		105	80 - 120
Nickel	1000	1110		ug/L		111	80 - 120
Potassium	10000	10000		ug/L		100	80 - 120
Selenium	1000	1030		ug/L		103	80 - 120
Silver	100	97.6		ug/L		98	80 - 120
Sodium	10000	10000		ug/L		100	80 - 120
Thallium	200	221		ug/L		111	80 - 120
Vanadium	1000	1020		ug/L		102	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47292

Client Sample ID: PZ-208-SS
Prep Type: Total/NA
Prep Batch: 46454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10000	11400		ug/L		114	75 - 125
Antimony	ND		500	505		ug/L		101	75 - 125
Arsenic	ND		1000	997		ug/L		100	75 - 125
Barium	150	J	1000	1160		ug/L		100	75 - 125
Beryllium	ND		1000	1020		ug/L		102	75 - 125
Cadmium	ND		1000	1030		ug/L		103	75 - 125
Calcium	100000		10000	110000	4	ug/L		72	75 - 125
Chromium	ND		1000	1060		ug/L		106	75 - 125
Cobalt	ND		1000	1070		ug/L		107	75 - 125
Copper	ND		1000	1040		ug/L		104	75 - 125
Iron	1000		10000	12000		ug/L		109	75 - 125
Lead	ND		1000	1050		ug/L		105	75 - 125
Magnesium	49000		10000	57700	4	ug/L		85	75 - 125
Manganese	33	J	1000	1050		ug/L		102	75 - 125
Nickel	ND		1000	1090		ug/L		109	75 - 125
Potassium	ND		10000	11200	J	ug/L		112	75 - 125
Selenium	ND		1000	994		ug/L		99	75 - 125
Silver	ND		100	96.5		ug/L		97	75 - 125
Sodium	41000		10000	49200	4	ug/L		85	75 - 125
Thallium	ND		200	219		ug/L		109	75 - 125

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

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47292

Client Sample ID: PZ-208-SS
Prep Type: Total/NA
Prep Batch: 46454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	ND		1000	1030		ug/L		103	75 - 125
Zinc	64	J B	1000	1070		ug/L		101	75 - 125

Lab Sample ID: 160-2085-1 MSD
Matrix: Water
Analysis Batch: 47292

Client Sample ID: PZ-208-SS
Prep Type: Total/NA
Prep Batch: 46454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10000	11500		ug/L		115	75 - 125	1	20
Antimony	ND		500	507		ug/L		101	75 - 125	0	20
Arsenic	ND		1000	1000		ug/L		100	75 - 125	1	20
Barium	150	J	1000	1170		ug/L		102	75 - 125	2	20
Beryllium	ND		1000	1030		ug/L		103	75 - 125	2	20
Cadmium	ND		1000	1040		ug/L		104	75 - 125	0	20
Calcium	100000		10000	112000	4	ug/L		90	75 - 125	2	20
Chromium	ND		1000	1070		ug/L		107	75 - 125	1	20
Cobalt	ND		1000	1090		ug/L		109	75 - 125	2	20
Copper	ND		1000	1030		ug/L		103	75 - 125	0	20
Iron	1000		10000	11500		ug/L		105	75 - 125	4	20
Lead	ND		1000	1050		ug/L		105	75 - 125	0	20
Magnesium	49000		10000	59000	4	ug/L		99	75 - 125	2	20
Manganese	33	J	1000	1070		ug/L		103	75 - 125	2	20
Nickel	ND		1000	1120		ug/L		112	75 - 125	2	20
Potassium	ND		10000	11600	J	ug/L		116	75 - 125	3	20
Selenium	ND		1000	1010		ug/L		101	75 - 125	2	20
Silver	ND		100	98.5		ug/L		99	75 - 125	2	20
Sodium	41000		10000	50500	4	ug/L		98	75 - 125	2	20
Thallium	ND		200	230		ug/L		115	75 - 125	5	20
Vanadium	ND		1000	1040		ug/L		104	75 - 125	1	20
Zinc	64	J B	1000	1080		ug/L		102	75 - 125	1	20

Lab Sample ID: MB 160-46455/1-A
Matrix: Water
Analysis Batch: 47506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		04/17/13 13:50	04/23/13 14:32	1
Antimony	ND		10	4.0	ug/L		04/17/13 13:50	04/23/13 14:32	1
Arsenic	ND		10	2.0	ug/L		04/17/13 13:50	04/23/13 14:32	1
Barium	ND		50	4.0	ug/L		04/17/13 13:50	04/23/13 14:32	1
Beryllium	ND		5.0	0.61	ug/L		04/17/13 13:50	04/23/13 14:32	1
Cadmium	ND		5.0	0.91	ug/L		04/17/13 13:50	04/23/13 14:32	1
Calcium	ND		1000	110	ug/L		04/17/13 13:50	04/23/13 14:32	1
Chromium	ND		10	3.1	ug/L		04/17/13 13:50	04/23/13 14:32	1
Cobalt	ND		50	4.0	ug/L		04/17/13 13:50	04/23/13 14:32	1
Copper	ND		25	4.6	ug/L		04/17/13 13:50	04/23/13 14:32	1
Iron	ND		100	28	ug/L		04/17/13 13:50	04/23/13 14:32	1
Lead	ND		10	1.5	ug/L		04/17/13 13:50	04/23/13 14:32	1
Magnesium	ND		1000	130	ug/L		04/17/13 13:50	04/23/13 14:32	1

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

Lab Sample ID: MB 160-46455/1-A
Matrix: Water
Analysis Batch: 47506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		15	3.3	ug/L		04/17/13 13:50	04/23/13 14:32	1
Nickel	ND		40	13	ug/L		04/17/13 13:50	04/23/13 14:32	1
Potassium	ND		5000	1700	ug/L		04/17/13 13:50	04/23/13 14:32	1
Selenium	ND		15	2.7	ug/L		04/17/13 13:50	04/23/13 14:32	1
Silver	ND		10	6.0	ug/L		04/17/13 13:50	04/23/13 14:32	1
Sodium	ND		1000	320	ug/L		04/17/13 13:50	04/23/13 14:32	1
Thallium	ND		20	4.0	ug/L		04/17/13 13:50	04/23/13 14:32	1
Vanadium	ND		50	4.1	ug/L		04/17/13 13:50	04/23/13 14:32	1
Zinc	7.10	J	20	5.2	ug/L		04/17/13 13:50	04/23/13 14:32	1

Lab Sample ID: LCS 160-46455/2-A
Matrix: Water
Analysis Batch: 47506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10100		ug/L		101	80 - 120
Antimony	500	527		ug/L		105	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Barium	1000	1010		ug/L		101	80 - 120
Beryllium	1000	1010		ug/L		101	80 - 120
Cadmium	1000	1070		ug/L		107	80 - 120
Calcium	10000	10600		ug/L		106	80 - 120
Chromium	1000	1070		ug/L		107	80 - 120
Cobalt	1000	1090		ug/L		109	80 - 120
Copper	1000	1060		ug/L		106	80 - 120
Iron	10000	10000		ug/L		100	80 - 120
Lead	1000	1070		ug/L		107	80 - 120
Magnesium	10000	10100		ug/L		101	80 - 120
Manganese	1000	1030		ug/L		103	80 - 120
Nickel	1000	1100		ug/L		110	80 - 120
Potassium	10000	9720		ug/L		97	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	100	97.2		ug/L		97	80 - 120
Sodium	10000	9790		ug/L		98	80 - 120
Thallium	200	218		ug/L		109	80 - 120
Vanadium	1000	997		ug/L		100	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47506

Client Sample ID: PZ-208-SS
Prep Type: Dissolved
Prep Batch: 46455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10000	10100		ug/L		101	75 - 125
Antimony	ND		500	532		ug/L		106	75 - 125
Arsenic	ND		1000	1040		ug/L		104	75 - 125
Barium	150	J	1000	1170		ug/L		102	75 - 125
Beryllium	ND		1000	1020		ug/L		102	75 - 125
Cadmium	ND		1000	1070		ug/L		107	75 - 125

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

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47506

Client Sample ID: PZ-208-SS
Prep Type: Dissolved
Prep Batch: 46455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	100000		10000	115000	4	ug/L		106	75 - 125
Chromium	ND		1000	1080		ug/L		108	75 - 125
Cobalt	ND		1000	1090		ug/L		109	75 - 125
Copper	ND		1000	1040		ug/L		104	75 - 125
Iron	ND		10000	10300		ug/L		103	75 - 125
Lead	ND		1000	1090		ug/L		109	75 - 125
Magnesium	48000		10000	58600	4	ug/L		102	75 - 125
Manganese	29	J	1000	1060		ug/L		103	75 - 125
Nickel	ND		1000	1110		ug/L		111	75 - 125
Potassium	ND		10000	11300	J	ug/L		113	75 - 125
Selenium	17	J	1000	1060		ug/L		104	75 - 125
Silver	ND		100	95.5		ug/L		96	75 - 125
Sodium	40000		10000	49900	4	ug/L		97	75 - 125
Thallium	ND		200	208		ug/L		104	75 - 125
Vanadium	ND		1000	988		ug/L		99	75 - 125
Zinc	35	J B	1000	1090		ug/L		106	75 - 125

Lab Sample ID: 160-2085-1 MSD
Matrix: Water
Analysis Batch: 47506

Client Sample ID: PZ-208-SS
Prep Type: Dissolved
Prep Batch: 46455

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10000	10200		ug/L		102	75 - 125	1	20
Antimony	ND		500	528		ug/L		106	75 - 125	1	20
Arsenic	ND		1000	1040		ug/L		104	75 - 125	0	20
Barium	150	J	1000	1180		ug/L		103	75 - 125	1	20
Beryllium	ND		1000	1040		ug/L		104	75 - 125	1	20
Cadmium	ND		1000	1060		ug/L		106	75 - 125	0	20
Calcium	100000		10000	113000	4	ug/L		90	75 - 125	1	20
Chromium	ND		1000	1090		ug/L		109	75 - 125	1	20
Cobalt	ND		1000	1100		ug/L		110	75 - 125	0	20
Copper	ND		1000	1070		ug/L		107	75 - 125	3	20
Iron	ND		10000	10400		ug/L		104	75 - 125	1	20
Lead	ND		1000	1090		ug/L		109	75 - 125	1	20
Magnesium	48000		10000	58200	4	ug/L		98	75 - 125	1	20
Manganese	29	J	1000	1070		ug/L		104	75 - 125	1	20
Nickel	ND		1000	1110		ug/L		111	75 - 125	0	20
Potassium	ND		10000	11400	J	ug/L		114	75 - 125	1	20
Selenium	17	J	1000	1050		ug/L		104	75 - 125	0	20
Silver	ND		100	99.0		ug/L		99	75 - 125	4	20
Sodium	40000		10000	49800	4	ug/L		95	75 - 125	0	20
Thallium	ND		200	218		ug/L		109	75 - 125	5	20
Vanadium	ND		1000	1010		ug/L		101	75 - 125	2	20
Zinc	35	J B	1000	1090		ug/L		106	75 - 125	0	20

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

TestAmerica Job ID: 160-2085-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 160-47518/1-A
Matrix: Water
Analysis Batch: 47769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:43	04/24/13 16:42	1

Lab Sample ID: LCS 160-47518/2-A
Matrix: Water
Analysis Batch: 47769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47518

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

Lab Sample ID: 160-2085-2 MS
Matrix: Water
Analysis Batch: 47769

Client Sample ID: PZ-101-SS
Prep Type: Total/NA
Prep Batch: 47518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.067	J	1.00	0.722	F	ug/L		66	80 - 120

Lab Sample ID: 160-2085-2 MSD
Matrix: Water
Analysis Batch: 47769

Client Sample ID: PZ-101-SS
Prep Type: Total/NA
Prep Batch: 47518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.067	J	1.00	0.696	F	ug/L		63	80 - 120	4	20

Lab Sample ID: MB 160-47520/1-A
Matrix: Water
Analysis Batch: 47769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/24/13 08:47	04/24/13 18:00	1

Lab Sample ID: LCS 160-47520/2-A
Matrix: Water
Analysis Batch: 47769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	0.868		ug/L		87	80 - 120

Lab Sample ID: 160-2085-2 MS
Matrix: Water
Analysis Batch: 47769

Client Sample ID: PZ-101-SS
Prep Type: Dissolved
Prep Batch: 47520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.073	J	1.00	0.672	F	ug/L		60	80 - 120

Lab Sample ID: 160-2085-2 MSD
Matrix: Water
Analysis Batch: 47769

Client Sample ID: PZ-101-SS
Prep Type: Dissolved
Prep Batch: 47520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.073	J	1.00	0.600	F	ug/L		53	80 - 120	11	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 160-46264/9
Matrix: Water
Analysis Batch: 46264

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			04/12/13 17:48	1
Chloride	ND		0.20	0.020	mg/L			04/12/13 17:48	1
Bromide	ND		0.25	0.025	mg/L			04/12/13 17:48	1
Sulfate	ND		0.50	0.050	mg/L			04/12/13 17:48	1

Lab Sample ID: LCS 160-46264/10
Matrix: Water
Analysis Batch: 46264

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	0.379		mg/L		95	90 - 110
Chloride	2.00	1.91		mg/L		95	90 - 110
Bromide	2.00	1.93		mg/L		96	90 - 110
Sulfate	8.00	7.55		mg/L		94	90 - 110

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 46264

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.38		0.400	0.631	F	mg/L		63	90 - 110
Bromide	ND		2.00	1.20	F	mg/L		60	90 - 110

Lab Sample ID: 160-2085-12 MS
Matrix: Water
Analysis Batch: 46264

Client Sample ID: PZ-202-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	ND		0.400	0.452	F	mg/L		113	90 - 110
Bromide	ND		2.00	2.64	F	mg/L		132	90 - 110

Lab Sample ID: 160-2085-1 DU
Matrix: Water
Analysis Batch: 46264

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	0.38		0.370		mg/L		2	20
Bromide	ND		ND		mg/L		NC	20

Lab Sample ID: MB 160-46720/59
Matrix: Water
Analysis Batch: 46720

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			04/16/13 06:39	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 160-46720/60
Matrix: Water
Analysis Batch: 46720

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	3.92		mg/L		98	90 - 110		

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 46720

Client Sample ID: PZ-208-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	4.00		mg/L		100	90 - 110		

Lab Sample ID: 160-2085-12 MS
Matrix: Water
Analysis Batch: 46720

Client Sample ID: PZ-202-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	4.03		mg/L		101	90 - 110		

Lab Sample ID: 160-2085-1 DU
Matrix: Water
Analysis Batch: 46720

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Iodide	ND			ND		mg/L				NC	20

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 46264

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride - DL	77		40.0	120		mg/L		106	90 - 110		
Sulfate - DL	32		80.0	108		mg/L		95	90 - 110		

Lab Sample ID: 160-2085-12 MS
Matrix: Water
Analysis Batch: 46264

Client Sample ID: PZ-202-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride - DL	16		40.0	56.7		mg/L		102	90 - 110		
Sulfate - DL	32		80.0	106		mg/L		92	90 - 110		

Lab Sample ID: 160-2085-1 DU
Matrix: Water
Analysis Batch: 46264

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride - DL	77			76.1		mg/L				1	20
Sulfate - DL	32			31.2		mg/L				2	20

Method: 310.1 - Alkalinity

Lab Sample ID: MB 160-47791/1
Matrix: Water
Analysis Batch: 47791

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			04/25/13 13:45	1

Lab Sample ID: LCS 160-47791/3
Matrix: Water
Analysis Batch: 47791

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	400	376		mg/L		94	90 - 110

Lab Sample ID: LLCS 160-47791/2
Matrix: Water
Analysis Batch: 47791

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	188		mg/L		94	90 - 110

Lab Sample ID: 160-2085-1 MS
Matrix: Water
Analysis Batch: 47791

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	380	B	20.0	397	4	mg/L		85	80 - 120

Lab Sample ID: 160-2085-1 DU
Matrix: Water
Analysis Batch: 47791

Client Sample ID: PZ-208-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	380	B	384		mg/L		1	20

GC/MS VOA

Analysis Batch: 47057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	8260C	
160-2085-1 MS	PZ-208-SS	Total/NA	Water	8260C	
160-2085-1 MSD	PZ-208-SS	Total/NA	Water	8260C	
160-2085-2	PZ-101-SS	Total/NA	Water	8260C	
160-2085-3	MW-1204	Total/NA	Water	8260C	
160-2085-4	PZ-113-SS	Total/NA	Water	8260C	
160-2085-5	I-73	Total/NA	Water	8260C	
160-2085-6	PZ-113-AS	Total/NA	Water	8260C	
160-2085-7	PZ-107-AS	Total/NA	Water	8260C	
160-2085-8	PZ-116-SS	Total/NA	Water	8260C	
160-2085-9	D-14	Total/NA	Water	8260C	
160-2085-10	PZ-112-AS	Total/NA	Water	8260C	
160-2085-13	I-4	Total/NA	Water	8260C	
160-2085-14	DUP 07	Total/NA	Water	8260C	
160-2085-15	TRIP BLANK	Total/NA	Water	8260C	
LCS 160-47057/4	Lab Control Sample	Total/NA	Water	8260C	
MB 160-47057/2	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 47062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-10	PZ-112-AS	Total/NA	Water	8260C	
160-2085-12	PZ-202-SS	Total/NA	Water	8260C	
LCS 160-47062/4	Lab Control Sample	Total/NA	Water	8260C	
MB 160-47062/2	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 46454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	3010A	
160-2085-1 MS	PZ-208-SS	Total/NA	Water	3010A	
160-2085-1 MSD	PZ-208-SS	Total/NA	Water	3010A	
160-2085-2	PZ-101-SS	Total/NA	Water	3010A	
160-2085-3	MW-1204	Total/NA	Water	3010A	
160-2085-4	PZ-113-SS	Total/NA	Water	3010A	
160-2085-5	I-73	Total/NA	Water	3010A	
160-2085-6	PZ-113-AS	Total/NA	Water	3010A	
160-2085-7	PZ-107-AS	Total/NA	Water	3010A	
160-2085-8	PZ-116-SS	Total/NA	Water	3010A	
160-2085-9	D-14	Total/NA	Water	3010A	
160-2085-10	PZ-112-AS	Total/NA	Water	3010A	
160-2085-12	PZ-202-SS	Total/NA	Water	3010A	
160-2085-13	I-4	Total/NA	Water	3010A	
160-2085-14	DUP 07	Total/NA	Water	3010A	
LCS 160-46454/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-46454/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 46455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Dissolved	Water	3010A	

Metals (Continued)

Prep Batch: 46455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1 MS	PZ-208-SS	Dissolved	Water	3010A	
160-2085-1 MSD	PZ-208-SS	Dissolved	Water	3010A	
160-2085-2	PZ-101-SS	Dissolved	Water	3010A	
160-2085-3	MW-1204	Dissolved	Water	3010A	
160-2085-4	PZ-113-SS	Dissolved	Water	3010A	
160-2085-5	I-73	Dissolved	Water	3010A	
160-2085-6	PZ-113-AS	Dissolved	Water	3010A	
160-2085-7	PZ-107-AS	Dissolved	Water	3010A	
160-2085-8	PZ-116-SS	Dissolved	Water	3010A	
160-2085-9	D-14	Dissolved	Water	3010A	
160-2085-10	PZ-112-AS	Dissolved	Water	3010A	
160-2085-11	S-53	Dissolved	Water	3010A	
160-2085-12	PZ-202-SS	Dissolved	Water	3010A	
160-2085-13	I-4	Dissolved	Water	3010A	
160-2085-14	DUP 07	Dissolved	Water	3010A	
LCS 160-46455/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-46455/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 47292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	6010C	46454
160-2085-1 MS	PZ-208-SS	Total/NA	Water	6010C	46454
160-2085-1 MSD	PZ-208-SS	Total/NA	Water	6010C	46454
160-2085-2	PZ-101-SS	Total/NA	Water	6010C	46454
160-2085-3	MW-1204	Total/NA	Water	6010C	46454
160-2085-4	PZ-113-SS	Total/NA	Water	6010C	46454
160-2085-5	I-73	Total/NA	Water	6010C	46454
160-2085-6	PZ-113-AS	Total/NA	Water	6010C	46454
160-2085-7	PZ-107-AS	Total/NA	Water	6010C	46454
160-2085-8	PZ-116-SS	Total/NA	Water	6010C	46454
160-2085-9	D-14	Total/NA	Water	6010C	46454
160-2085-10	PZ-112-AS	Total/NA	Water	6010C	46454
160-2085-12	PZ-202-SS	Total/NA	Water	6010C	46454
160-2085-13	I-4	Total/NA	Water	6010C	46454
160-2085-14	DUP 07	Total/NA	Water	6010C	46454
LCS 160-46454/2-A	Lab Control Sample	Total/NA	Water	6010C	46454
MB 160-46454/1-A	Method Blank	Total/NA	Water	6010C	46454

Analysis Batch: 47331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-5	I-73	Total/NA	Water	6010C	46454
160-2085-7	PZ-107-AS	Total/NA	Water	6010C	46454

Analysis Batch: 47506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Dissolved	Water	6010C	46455
160-2085-1 MS	PZ-208-SS	Dissolved	Water	6010C	46455
160-2085-1 MSD	PZ-208-SS	Dissolved	Water	6010C	46455
160-2085-2	PZ-101-SS	Dissolved	Water	6010C	46455
160-2085-3	MW-1204	Dissolved	Water	6010C	46455
160-2085-4	PZ-113-SS	Dissolved	Water	6010C	46455

Metals (Continued)

Analysis Batch: 47506 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-5	I-73	Dissolved	Water	6010C	46455
160-2085-5	I-73	Dissolved	Water	6010C	46455
160-2085-6	PZ-113-AS	Dissolved	Water	6010C	46455
160-2085-7	PZ-107-AS	Dissolved	Water	6010C	46455
160-2085-8	PZ-116-SS	Dissolved	Water	6010C	46455
160-2085-9	D-14	Dissolved	Water	6010C	46455
160-2085-10	PZ-112-AS	Dissolved	Water	6010C	46455
160-2085-11	S-53	Dissolved	Water	6010C	46455
160-2085-12	PZ-202-SS	Dissolved	Water	6010C	46455
160-2085-13	I-4	Dissolved	Water	6010C	46455
160-2085-14	DUP 07	Dissolved	Water	6010C	46455
LCS 160-46455/2-A	Lab Control Sample	Total/NA	Water	6010C	46455
MB 160-46455/1-A	Method Blank	Total/NA	Water	6010C	46455

Prep Batch: 47518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	7470A	
160-2085-2	PZ-101-SS	Total/NA	Water	7470A	
160-2085-2 MS	PZ-101-SS	Total/NA	Water	7470A	
160-2085-2 MSD	PZ-101-SS	Total/NA	Water	7470A	
160-2085-3	MW-1204	Total/NA	Water	7470A	
160-2085-4	PZ-113-SS	Total/NA	Water	7470A	
160-2085-5	I-73	Total/NA	Water	7470A	
160-2085-6	PZ-113-AS	Total/NA	Water	7470A	
160-2085-7	PZ-107-AS	Total/NA	Water	7470A	
160-2085-8	PZ-116-SS	Total/NA	Water	7470A	
160-2085-9	D-14	Total/NA	Water	7470A	
160-2085-10	PZ-112-AS	Total/NA	Water	7470A	
160-2085-12	PZ-202-SS	Total/NA	Water	7470A	
160-2085-13	I-4	Total/NA	Water	7470A	
160-2085-14	DUP 07	Total/NA	Water	7470A	
LCS 160-47518/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-47518/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 47520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Dissolved	Water	7470A	
160-2085-2	PZ-101-SS	Dissolved	Water	7470A	
160-2085-2 MS	PZ-101-SS	Dissolved	Water	7470A	
160-2085-2 MSD	PZ-101-SS	Dissolved	Water	7470A	
160-2085-3	MW-1204	Dissolved	Water	7470A	
160-2085-4	PZ-113-SS	Dissolved	Water	7470A	
160-2085-5	I-73	Dissolved	Water	7470A	
160-2085-6	PZ-113-AS	Dissolved	Water	7470A	
160-2085-7	PZ-107-AS	Dissolved	Water	7470A	
160-2085-8	PZ-116-SS	Dissolved	Water	7470A	
160-2085-9	D-14	Dissolved	Water	7470A	
160-2085-10	PZ-112-AS	Dissolved	Water	7470A	
160-2085-11	S-53	Dissolved	Water	7470A	
160-2085-12	PZ-202-SS	Dissolved	Water	7470A	
160-2085-13	I-4	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 47520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-14	DUP 07	Dissolved	Water	7470A	
LCS 160-47520/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-47520/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 47769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	7470A	47518
160-2085-1	PZ-208-SS	Dissolved	Water	7470A	47520
160-2085-2	PZ-101-SS	Total/NA	Water	7470A	47518
160-2085-2	PZ-101-SS	Dissolved	Water	7470A	47520
160-2085-2 MS	PZ-101-SS	Total/NA	Water	7470A	47518
160-2085-2 MS	PZ-101-SS	Dissolved	Water	7470A	47520
160-2085-2 MSD	PZ-101-SS	Total/NA	Water	7470A	47518
160-2085-2 MSD	PZ-101-SS	Dissolved	Water	7470A	47520
160-2085-3	MW-1204	Total/NA	Water	7470A	47518
160-2085-3	MW-1204	Dissolved	Water	7470A	47520
160-2085-4	PZ-113-SS	Total/NA	Water	7470A	47518
160-2085-4	PZ-113-SS	Dissolved	Water	7470A	47520
160-2085-5	I-73	Total/NA	Water	7470A	47518
160-2085-5	I-73	Dissolved	Water	7470A	47520
160-2085-6	PZ-113-AS	Total/NA	Water	7470A	47518
160-2085-6	PZ-113-AS	Dissolved	Water	7470A	47520
160-2085-7	PZ-107-AS	Total/NA	Water	7470A	47518
160-2085-7	PZ-107-AS	Dissolved	Water	7470A	47520
160-2085-8	PZ-116-SS	Total/NA	Water	7470A	47518
160-2085-8	PZ-116-SS	Dissolved	Water	7470A	47520
160-2085-9	D-14	Total/NA	Water	7470A	47518
160-2085-9	D-14	Dissolved	Water	7470A	47520
160-2085-10	PZ-112-AS	Total/NA	Water	7470A	47518
160-2085-10	PZ-112-AS	Dissolved	Water	7470A	47520
160-2085-11	S-53	Dissolved	Water	7470A	47520
160-2085-12	PZ-202-SS	Total/NA	Water	7470A	47518
160-2085-12	PZ-202-SS	Dissolved	Water	7470A	47520
160-2085-13	I-4	Total/NA	Water	7470A	47518
160-2085-13	I-4	Dissolved	Water	7470A	47520
160-2085-14	DUP 07	Total/NA	Water	7470A	47518
160-2085-14	DUP 07	Dissolved	Water	7470A	47520
LCS 160-47518/2-A	Lab Control Sample	Total/NA	Water	7470A	47518
LCS 160-47520/2-A	Lab Control Sample	Total/NA	Water	7470A	47520
MB 160-47518/1-A	Method Blank	Total/NA	Water	7470A	47518
MB 160-47520/1-A	Method Blank	Total/NA	Water	7470A	47520

General Chemistry

Analysis Batch: 46264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	300.0	
160-2085-1 - DL	PZ-208-SS	Total/NA	Water	300.0	
160-2085-1 DU - DL	PZ-208-SS	Total/NA	Water	300.0	
160-2085-1 DU	PZ-208-SS	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 46264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1 MS - DL	PZ-208-SS	Total/NA	Water	300.0	
160-2085-1 MS	PZ-208-SS	Total/NA	Water	300.0	
160-2085-2	PZ-101-SS	Total/NA	Water	300.0	
160-2085-2 - DL2	PZ-101-SS	Total/NA	Water	300.0	
160-2085-3	MW-1204	Total/NA	Water	300.0	
160-2085-3 - DL	MW-1204	Total/NA	Water	300.0	
160-2085-4	PZ-113-SS	Total/NA	Water	300.0	
160-2085-4 - DL	PZ-113-SS	Total/NA	Water	300.0	
160-2085-5	I-73	Total/NA	Water	300.0	
160-2085-5 - DL	I-73	Total/NA	Water	300.0	
160-2085-5 - DL2	I-73	Total/NA	Water	300.0	
160-2085-6	PZ-113-AS	Total/NA	Water	300.0	
160-2085-6 - DL	PZ-113-AS	Total/NA	Water	300.0	
160-2085-7	PZ-107-AS	Total/NA	Water	300.0	
160-2085-7 - DL	PZ-107-AS	Total/NA	Water	300.0	
160-2085-7 - DL2	PZ-107-AS	Total/NA	Water	300.0	
160-2085-8	PZ-116-SS	Total/NA	Water	300.0	
160-2085-8 - DL	PZ-116-SS	Total/NA	Water	300.0	
160-2085-9	D-14	Total/NA	Water	300.0	
160-2085-9 - DL	D-14	Total/NA	Water	300.0	
160-2085-9 - DL2	D-14	Total/NA	Water	300.0	
160-2085-10	PZ-112-AS	Total/NA	Water	300.0	
160-2085-10 - DL2	PZ-112-AS	Total/NA	Water	300.0	
160-2085-12	PZ-202-SS	Total/NA	Water	300.0	
160-2085-12 - DL	PZ-202-SS	Total/NA	Water	300.0	
160-2085-12 MS - DL	PZ-202-SS	Total/NA	Water	300.0	
160-2085-12 MS	PZ-202-SS	Total/NA	Water	300.0	
160-2085-13	I-4	Total/NA	Water	300.0	
160-2085-13 - DL	I-4	Total/NA	Water	300.0	
160-2085-14	DUP 07	Total/NA	Water	300.0	
160-2085-14 - DL	DUP 07	Total/NA	Water	300.0	
LCS 160-46264/10	Lab Control Sample	Total/NA	Water	300.0	
MB 160-46264/9	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 46720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	300.0	
160-2085-1 DU	PZ-208-SS	Total/NA	Water	300.0	
160-2085-1 MS	PZ-208-SS	Total/NA	Water	300.0	
160-2085-2	PZ-101-SS	Total/NA	Water	300.0	
160-2085-3	MW-1204	Total/NA	Water	300.0	
160-2085-4	PZ-113-SS	Total/NA	Water	300.0	
160-2085-5	I-73	Total/NA	Water	300.0	
160-2085-6	PZ-113-AS	Total/NA	Water	300.0	
160-2085-7	PZ-107-AS	Total/NA	Water	300.0	
160-2085-8	PZ-116-SS	Total/NA	Water	300.0	
160-2085-9	D-14	Total/NA	Water	300.0	
160-2085-10	PZ-112-AS	Total/NA	Water	300.0	
160-2085-12	PZ-202-SS	Total/NA	Water	300.0	
160-2085-12 MS	PZ-202-SS	Total/NA	Water	300.0	
160-2085-13	I-4	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 46720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-14	DUP 07	Total/NA	Water	300.0	
LCS 160-46720/60	Lab Control Sample	Total/NA	Water	300.0	
MB 160-46720/59	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 47791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2085-1	PZ-208-SS	Total/NA	Water	310.1	
160-2085-1 DU	PZ-208-SS	Total/NA	Water	310.1	
160-2085-1 MS	PZ-208-SS	Total/NA	Water	310.1	
160-2085-2	PZ-101-SS	Total/NA	Water	310.1	
160-2085-3	MW-1204	Total/NA	Water	310.1	
160-2085-4	PZ-113-SS	Total/NA	Water	310.1	
160-2085-5 - DL	I-73	Total/NA	Water	310.1	
160-2085-6	PZ-113-AS	Total/NA	Water	310.1	
160-2085-7	PZ-107-AS	Total/NA	Water	310.1	
160-2085-8	PZ-116-SS	Total/NA	Water	310.1	
160-2085-9	D-14	Total/NA	Water	310.1	
160-2085-10 - DL	PZ-112-AS	Total/NA	Water	310.1	
160-2085-12	PZ-202-SS	Total/NA	Water	310.1	
160-2085-13 - DL	I-4	Total/NA	Water	310.1	
160-2085-14	DUP 07	Total/NA	Water	310.1	
LCS 160-47791/3	Lab Control Sample	Total/NA	Water	310.1	
LLCS 160-47791/2	Lab Control Sample	Total/NA	Water	310.1	
MB 160-47791/1	Method Blank	Total/NA	Water	310.1	

Surrogate Summary

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

TestAmerica Job ID: 160-2085-1

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)
160-2085-1	PZ-208-SS	114	105	105	110
160-2085-1 MS	PZ-208-SS	101	102	96	105
160-2085-1 MSD	PZ-208-SS	104	106	100	105
160-2085-2	PZ-101-SS	113	105	104	110
160-2085-3	MW-1204	111	103	103	107
160-2085-4	PZ-113-SS	110	106	107	110
160-2085-5	I-73	109	105	102	107
160-2085-6	PZ-113-AS	109	102	102	106
160-2085-7	PZ-107-AS	114	107	105	111
160-2085-8	PZ-116-SS	116	107	104	113
160-2085-9	D-14	108	102	100	104
160-2085-10	PZ-112-AS	112	104	105	87
160-2085-10	PZ-112-AS	115	100	100	105
160-2085-12	PZ-202-SS	112	98	95	108
160-2085-13	I-4	108	104	103	109
160-2085-14	DUP 07	113	106	104	110
160-2085-15	TRIP BLANK	113	109	105	110
LCS 160-47057/4	Lab Control Sample	109	108	103	103
LCS 160-47062/4	Lab Control Sample	107	102	97	103
MB 160-47057/2	Method Blank	109	105	100	110
MB 160-47062/2	Method Blank	109	101	99	106

Surrogate Legend

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