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: 160-2953-1
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:
7/26/2013 12:13:34 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.

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Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: Engineering Management Support, Inc.

Project: West Lake Landfill

Report Number: 160-2953-1

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.

Per client request to report all analytical runs, analyses included in the package that were not used in the final report were re-analyzed due to QC failures in the analytical sequence

RECEIPT

The samples were received on 07/11/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

VOLATILE ORGANIC COMPOUNDS (GC MS)

Samples P2-201A-SS (160-2953-1), D-85 (160-2953-2), P2-106-SD (160-2953-3), S-84 (160-2953-4), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-109-SS (160-2953-8), P2-205-SS (160-2953-9), DUPLICATE 02 (160-2953-10) and TRIP BLANK (160-2953-11) were analyzed for volatile organic compounds (GC MS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/16/2013.

Analytical batch 60980

The continuing calibration verification (CCV) for Chloroethane and 2-Hexanone associated with batch 60980 recovered above the upper

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Laboratory: TestAmerica St. Louis (Continued)

control limit.. The samples associated with this CCV were not detected above the reporting limit for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for batch 60980 recovered outside control limits for the following analytes: Chloroethane, 2-Hexanone, and 4-Methyl-2- pentanone. These analytes were biased high in the LCS and were not detected above the reporting limit in the associated samples; therefore, the data have been reported.

The MS/MSD % recoveries for Chloroethane and Trichlorofluoromethane and the MSD % recovery for 2-Hexanone associated with batch 60980 were outside the upper QC limits indicating a bias high for the sample results. The associated samples were not detected above the RL for the failed analytes. There were an additional 6 non-target analytes outside the QC limits which did not affect the results reported.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

METALS (ICP)-Dissolved and Total

Samples P2-201A-SS (160-2953-1), D-85 (160-2953-2), P2-106-SD (160-2953-3), S-84 (160-2953-4), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-109-SS (160-2953-8), P2-205-SS (160-2953-9) and DUPLICATE 02 (160-2953-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 07/16/2013 and analyzed on 07/17/2013 and 07/18/2013.

Analytical batch 61388

The following samples were diluted to bring the concentration of target analytes (calcium, magnesium, and sodium) within the calibration range. Magnesium also interferes with iron: (160-2984-9 MS), (160-2984-9 MSD), (160-2984-9 SD), D-85 (160-2953-2), DUPLICATE 02 (160-2953-10), DUPLICATE 04 (160-2984-9), P2-106-SD (160-2953-3), P2-106-SS (160-2953-5), P2-109-SS (160-2953-8), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-201A-SS (160-2953-1), P2-205-SS (160-2953-9), S-84 (160-2953-4). Elevated reporting limits (RLs) are provided.

Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 60807 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The initial calibration verification (ICV) for analytical batch 61388 was above the upper control limit for thallium. The affected samples are ND for thallium and the data is reported with this narrative. The data have been qualified and reported.

Analytical batch 61428

The following samples were diluted to bring the concentration of target analytes (calcium) within the calibration range: D-85 (160-2953-2), DUPLICATE 02 (160-2953-10), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6). Elevated reporting limits (RLs) are provided.

Analytical batch 61576

The following samples were diluted to bring the concentration of target analytes (calcium, magnesium, sodium, and iron) within the calibration range. Magnesium also interferes with iron: (160-2984-9 MS), (160-2984-9 MSD), (160-2984-9 SD), D-85 (160-2953-2), DUPLICATE 02 (160-2953-10), DUPLICATE 04 (160-2984-9), P2-106-SD (160-2953-3), P2-106-SS (160-2953-5), P2-109-SS (160-2953-8), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-201A-SS (160-2953-1), P2-205-SS (160-2953-9), S-84 (160-2953-4). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the ICP analysis.

All other quality control parameters were within the acceptance limits.

MERCURY-Dissolved

Samples P2-201A-SS (160-2953-1), D-85 (160-2953-2), P2-106-SD (160-2953-3), S-84 (160-2953-4), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-109-SS (160-2953-8), P2-205-SS (160-2953-9) and DUPLICATE 02 (160-2953-10) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 07/16/2013 and analyzed on 07/17/2013.

Job ID: 160-2953-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

MERCURY-Total

Samples P2-201A-SS (160-2953-1), D-85 (160-2953-2), P2-106-SD (160-2953-3), S-84 (160-2953-4), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-109-SS (160-2953-8), P2-205-SS (160-2953-9) and DUPLICATE 02 (160-2953-10) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 07/16/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

ANIONS

Samples P2-201A-SS (160-2953-1), D-85 (160-2953-2), P2-106-SD (160-2953-3), S-84 (160-2953-4), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-109-SS (160-2953-8), P2-205-SS (160-2953-9) and DUPLICATE 02 (160-2953-10) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 07/11/2013 and 07/16/2013.

The following samples were diluted to bring the concentrations of Chloride, Bromide, and Sulfate within the calibration range in IC batch 61033: D-85 (160-2953-2), DUPLICATE 02 (160-2953-10), P2-106-SD (160-2953-3), P2-106-SS (160-2953-5), P2-109-SS (160-2953-8), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-201A-SS (160-2953-1), P2-205-SS (160-2953-9), S-84 (160-2953-4). Elevated reporting limits (RLs) are provided.

No difficulties were encountered during the anions analysis.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples P2-201A-SS (160-2953-1), D-85 (160-2953-2), P2-106-SD (160-2953-3), S-84 (160-2953-4), P2-106-SS (160-2953-5), P2-113-AD (160-2953-6), P2-113-AS (160-2953-7), P2-109-SS (160-2953-8), P2-205-SS (160-2953-9) and DUPLICATE 02 (160-2953-10) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 07/24/2013.

The following samples were diluted to bring the concentrations of Alkalinity within the calibration range in batch 62483: DUPLICATE 02 (160-2953-10), P2-113-AD (160-2953-6). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the alkalinity analysis.

All other quality control parameters were within the acceptance limits.

COC 01C

Job #2953

TestAmerica St. Louis
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Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica

Client Information	Sampler: Herst & Associates, Inc.	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-499-253.1
Client Contact: Mr. Paul Rosasco	Phone: 636-939-9111	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 1 of 10
Company: Engineering Management Support, Inc.				Job #:
Address: 7220 W. Jefferson AVE Suite 406	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Lakewood	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
State, Zip: CO, 80235	PO #: Purchase Order not required			
Phone:	WO #:			
Email: paulrosasco@emsidenver.com	Project #: 16002280			
Project Name: West Lake Landfill- July	SSOW#:			
Site:				Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	310.1 - Alkalinity- 310.0	300 - Anions-	6010C, 7470A	8260C - VOA	8260C - Standard List	Discard 6010C, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	A	A	D		
P2-201A-SS	7/10/13	1023	G	Water	X		X	X	X	X	X	X	7	
D-85		1052	G	Water	X		X	X	X	X	X	X	7	
P2-106-SD		1141	G	Water	X		X	X	X	X	X	X	7	
S-84		1146	G	Water	X		X	X	X	X	X	X	7	
P2-106-SS		1243	G	Water	X		X	X	X	X	X	X	7	
P2-113-AD		1302	G	Water	X		X	X	X	X	X	X	7	
P2-113-AS		1400	G	Water	X		X	X	X	X	X	X	7	
P2-109-SS		1430	G	Water	X		X	X	X	X	X	X	7	
P2-205-SS		1538	G	Water	X		X	X	X	X	X	X	7	
Duplicate 02		—	G	Water	X		X	X	X	X	X	X	7	
Trip Blank	7/10/13	—	G	Water						X			3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Matt Steward	7/11/13 0750		Ward Derr	7/11/2013 0750	
Ward Derr	7/11/2013 0820		[illegible]	7-11-13 / 0820	
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: Engineering Management Support, Inc.

Job Number: 160-2953-1

Login Number: 2953

List Source: TestAmerica St. Louis

List Number: 1

Creator: Daniels, Brian J

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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.
F	MS or MSD exceeds the control limits

Metals

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.

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.
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)
NC	Not Calculated
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: 160-2953-1

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: 160-2953-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-2953-1	P2-201A-SS	Water	07/10/13 10:23	07/11/13 08:20
160-2953-2	D-85	Water	07/10/13 10:52	07/11/13 08:20
160-2953-3	P2-106-SD	Water	07/10/13 11:41	07/11/13 08:20
160-2953-4	S-84	Water	07/10/13 11:46	07/11/13 08:20
160-2953-5	P2-106-SS	Water	07/10/13 12:43	07/11/13 08:20
160-2953-6	P2-113-AD	Water	07/10/13 13:02	07/11/13 08:20
160-2953-7	P2-113-AS	Water	07/10/13 14:00	07/11/13 08:20
160-2953-8	P2-109-SS	Water	07/10/13 14:30	07/11/13 08:20
160-2953-9	P2-205-SS	Water	07/10/13 15:38	07/11/13 08:20
160-2953-10	DUPLICATE 02	Water	07/10/13 00:00	07/11/13 08:20
160-2953-11	TRIP BLANK	Water	07/10/13 00:00	07/11/13 08:20

Detection Summary

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-201A-SS — Lab Sample ID: 160-2953-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38	J	5.0	0.25	ug/L	1		8260C	Total/NA
Barium	130		50	4.0	ug/L	1		6010C	Total/NA
Calcium	94000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	100000		10000	1100	ug/L	10		6010C	Total/NA
Iron	53	J	100	28	ug/L	1		6010C	Total/NA
Lead	2.6	J	10	1.5	ug/L	1		6010C	Total/NA
Magnesium	48000		1000	130	ug/L	1		6010C	Total/NA
Manganese	18		15	3.3	ug/L	1		6010C	Total/NA
Potassium	2200	J	5000	1700	ug/L	1		6010C	Total/NA
Sodium	12000		1000	320	ug/L	1		6010C	Total/NA
Zinc	23		20	5.2	ug/L	1		6010C	Total/NA
Barium	130		50	4.0	ug/L	1		6010C	Dissolved
Calcium	97000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	100000		5000	530	ug/L	5		6010C	Dissolved
Lead	2.4	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	47000		1000	130	ug/L	1		6010C	Dissolved
Manganese	4.5	J	15	3.3	ug/L	1		6010C	Dissolved
Potassium	2200	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	12000		1000	320	ug/L	1		6010C	Dissolved
Zinc	21	B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.33		0.020	0.0040	mg/L	1		300.0	Total/NA
Chloride	4.1		0.20	0.020	mg/L	1		300.0	Total/NA
Alkalinity	400	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	65		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: D-85 — Lab Sample ID: 160-2953-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.35	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	58		5.0	0.38	ug/L	1		8260C	Total/NA
Aluminum	19000		200	80	ug/L	1		6010C	Total/NA
Antimony	6.7	J	10	4.0	ug/L	1		6010C	Total/NA
Arsenic	49		10	2.0	ug/L	1		6010C	Total/NA
Barium	2600		50	4.0	ug/L	1		6010C	Total/NA
Beryllium	1.7	J	5.0	0.61	ug/L	1		6010C	Total/NA
Calcium	260000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	440000		10000	1100	ug/L	10		6010C	Total/NA
Cobalt	49	J	50	4.0	ug/L	1		6010C	Total/NA
Copper	28		25	4.6	ug/L	1		6010C	Total/NA
Iron	96000		100	28	ug/L	1		6010C	Total/NA
Iron	120000		1000	280	ug/L	10		6010C	Total/NA
Lead	56		10	1.5	ug/L	1		6010C	Total/NA
Magnesium	95000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	120000		10000	1300	ug/L	10		6010C	Total/NA
Manganese	2600		15	3.3	ug/L	1		6010C	Total/NA
Nickel	130		40	13	ug/L	1		6010C	Total/NA
Potassium	9800		5000	1700	ug/L	1		6010C	Total/NA
Selenium	4.3	J	15	2.7	ug/L	1		6010C	Total/NA
Sodium	130000	E	1000	320	ug/L	1		6010C	Total/NA
Sodium	160000		10000	3200	ug/L	10		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-85 (Continued)

Lab Sample ID: 160-2953-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	58		50	4.1	ug/L	1		6010C	Total/NA
Zinc	250		20	5.2	ug/L	1		6010C	Total/NA
Antimony	4.8	J	10	4.0	ug/L	1		6010C	Dissolved
Arsenic	43		10	2.0	ug/L	1		6010C	Dissolved
Barium	1900		50	4.0	ug/L	1		6010C	Dissolved
Calcium	220000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	270000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	280000		10000	1100	ug/L	10		6010C	Dissolved
Iron	53000		100	28	ug/L	1		6010C	Dissolved
Iron	55000		500	140	ug/L	5		6010C	Dissolved
Lead	4.0	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	67000	E	1000	130	ug/L	1		6010C	Dissolved
Magnesium	68000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1000		15	3.3	ug/L	1		6010C	Dissolved
Potassium	8500		5000	1700	ug/L	1		6010C	Dissolved
Selenium	3.9	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	170000	E	1000	320	ug/L	1		6010C	Dissolved
Sodium	170000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.079	J	0.20	0.060	ug/L	1		7470A	Total/NA
Nitrate as N	0.34		0.020	0.0040	mg/L	1		300.0	Total/NA
Chloride	4.1		0.20	0.020	mg/L	1		300.0	Total/NA
Iodide	0.18	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	720	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	65		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: P2-106-SD

Lab Sample ID: 160-2953-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	800		200	80	ug/L	1		6010C	Total/NA
Arsenic	2.8	J	10	2.0	ug/L	1		6010C	Total/NA
Barium	130		50	4.0	ug/L	1		6010C	Total/NA
Calcium	93000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	100000		10000	1100	ug/L	10		6010C	Total/NA
Chromium	4.2	J	10	3.1	ug/L	1		6010C	Total/NA
Iron	2300		100	28	ug/L	1		6010C	Total/NA
Iron	2200		1000	280	ug/L	10		6010C	Total/NA
Lead	3.9	J	10	1.5	ug/L	1		6010C	Total/NA
Magnesium	50000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	50000		10000	1300	ug/L	10		6010C	Total/NA
Manganese	78		15	3.3	ug/L	1		6010C	Total/NA
Potassium	2700	J	5000	1700	ug/L	1		6010C	Total/NA
Sodium	10000		1000	320	ug/L	1		6010C	Total/NA
Zinc	13	J	20	5.2	ug/L	1		6010C	Total/NA
Barium	95		50	4.0	ug/L	1		6010C	Dissolved
Calcium	92000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	99000		5000	530	ug/L	5		6010C	Dissolved
Iron	430		100	28	ug/L	1		6010C	Dissolved
Magnesium	48000		1000	130	ug/L	1		6010C	Dissolved
Manganese	67		15	3.3	ug/L	1		6010C	Dissolved
Potassium	2300	J	5000	1700	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: P2-106-SD (Continued)

Lab Sample ID: 160-2953-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	10000		1000	320	ug/L	1		6010C	Dissolved
Nitrate as N	0.0095	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Alkalinity	390	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	11		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	60		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: S-84

Lab Sample ID: 160-2953-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.6	J	5.0	0.25	ug/L	1		8260C	Total/NA
Chlorobenzene	11		5.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.47	J	5.0	0.16	ug/L	1		8260C	Total/NA
Aluminum	20000		200	80	ug/L	1		6010C	Total/NA
Antimony	8.4	J	10	4.0	ug/L	1		6010C	Total/NA
Arsenic	130		10	2.0	ug/L	1		6010C	Total/NA
Barium	1700		50	4.0	ug/L	1		6010C	Total/NA
Beryllium	1.9	J	5.0	0.61	ug/L	1		6010C	Total/NA
Cadmium	1.0	J	5.0	0.91	ug/L	1		6010C	Total/NA
Calcium	240000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	340000		10000	1100	ug/L	10		6010C	Total/NA
Cobalt	79		50	4.0	ug/L	1		6010C	Total/NA
Copper	24	J	25	4.6	ug/L	1		6010C	Total/NA
Iron	100000	E	100	28	ug/L	1		6010C	Total/NA
Iron	120000		1000	280	ug/L	10		6010C	Total/NA
Lead	49		10	1.5	ug/L	1		6010C	Total/NA
Magnesium	100000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	120000		10000	1300	ug/L	10		6010C	Total/NA
Manganese	3600		15	3.3	ug/L	1		6010C	Total/NA
Nickel	140		40	13	ug/L	1		6010C	Total/NA
Potassium	8400		5000	1700	ug/L	1		6010C	Total/NA
Selenium	6.8	J	15	2.7	ug/L	1		6010C	Total/NA
Sodium	41000		1000	320	ug/L	1		6010C	Total/NA
Vanadium	68		50	4.1	ug/L	1		6010C	Total/NA
Zinc	270		20	5.2	ug/L	1		6010C	Total/NA
Antimony	4.5	J	10	4.0	ug/L	1		6010C	Dissolved
Arsenic	140		10	2.0	ug/L	1		6010C	Dissolved
Barium	850		50	4.0	ug/L	1		6010C	Dissolved
Calcium	140000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	160000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	15	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	66000		100	28	ug/L	1		6010C	Dissolved
Iron	66000		500	140	ug/L	5		6010C	Dissolved
Lead	4.4	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	53000	E	1000	130	ug/L	1		6010C	Dissolved
Magnesium	53000		5000	660	ug/L	5		6010C	Dissolved
Manganese	1900		15	3.3	ug/L	1		6010C	Dissolved
Nickel	25	J	40	13	ug/L	1		6010C	Dissolved
Potassium	4700	J	5000	1700	ug/L	1		6010C	Dissolved
Selenium	4.3	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	47000		1000	320	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-84 (Continued) — Lab Sample ID: 160-2953-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.087	J	0.20	0.060	ug/L	1		7470A	Total/NA
Bromide	2.1		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	0.15	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.23	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	640	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	59		4.0	0.40	mg/L	20		300.0	Total/NA

Client Sample ID: P2-106-SS — Lab Sample ID: 160-2953-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.2	J	10	2.0	ug/L	1		6010C	Total/NA
Barium	150		50	4.0	ug/L	1		6010C	Total/NA
Calcium	98000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	110000		10000	1100	ug/L	10		6010C	Total/NA
Iron	570		100	28	ug/L	1		6010C	Total/NA
Magnesium	50000		1000	130	ug/L	1		6010C	Total/NA
Manganese	24		15	3.3	ug/L	1		6010C	Total/NA
Potassium	2300	J	5000	1700	ug/L	1		6010C	Total/NA
Sodium	16000		1000	320	ug/L	1		6010C	Total/NA
Arsenic	2.0	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	150		50	4.0	ug/L	1		6010C	Dissolved
Calcium	100000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	98000		5000	530	ug/L	5		6010C	Dissolved
Iron	610		100	28	ug/L	1		6010C	Dissolved
Lead	1.6	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	49000		1000	130	ug/L	1		6010C	Dissolved
Manganese	26		15	3.3	ug/L	1		6010C	Dissolved
Potassium	2300	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	16000		1000	320	ug/L	1		6010C	Dissolved
Nitrate as N	0.0055	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.054	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	390	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	23		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	51		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: P2-113-AD — Lab Sample ID: 160-2953-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.40	J	5.0	0.39	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.53	J	5.0	0.40	ug/L	1		8260C	Total/NA
Antimony	5.6	J	10	4.0	ug/L	1		6010C	Total/NA
Arsenic	4.7	J	10	2.0	ug/L	1		6010C	Total/NA
Barium	2300		50	4.0	ug/L	1		6010C	Total/NA
Calcium	230000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	280000		10000	1100	ug/L	10		6010C	Total/NA
Cobalt	4.7	J	50	4.0	ug/L	1		6010C	Total/NA
Iron	35000		100	28	ug/L	1		6010C	Total/NA
Iron	35000		1000	280	ug/L	10		6010C	Total/NA
Lead	2.9	J	10	1.5	ug/L	1		6010C	Total/NA
Magnesium	85000	E	1000	130	ug/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P2-113-AD (Continued)

Lab Sample ID: 160-2953-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	86000		10000	1300	ug/L	10		6010C	Total/NA
Manganese	640		15	3.3	ug/L	1		6010C	Total/NA
Nickel	20	J	40	13	ug/L	1		6010C	Total/NA
Potassium	29000		5000	1700	ug/L	1		6010C	Total/NA
Sodium	350000	E	1000	320	ug/L	1		6010C	Total/NA
Sodium	340000		10000	3200	ug/L	10		6010C	Total/NA
Zinc	5.6	J	20	5.2	ug/L	1		6010C	Total/NA
Arsenic	4.9	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	2300		50	4.0	ug/L	1		6010C	Dissolved
Calcium	230000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	260000	E	5000	530	ug/L	5		6010C	Dissolved
Calcium	280000		10000	1100	ug/L	10		6010C	Dissolved
Iron	34000		100	28	ug/L	1		6010C	Dissolved
Iron	34000		500	140	ug/L	5		6010C	Dissolved
Lead	3.1	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	82000	E	1000	130	ug/L	1		6010C	Dissolved
Magnesium	81000		5000	660	ug/L	5		6010C	Dissolved
Manganese	610		15	3.3	ug/L	1		6010C	Dissolved
Nickel	20	J	40	13	ug/L	1		6010C	Dissolved
Potassium	28000		5000	1700	ug/L	1		6010C	Dissolved
Sodium	350000	E	1000	320	ug/L	1		6010C	Dissolved
Sodium	340000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.065	J	0.20	0.060	ug/L	1		7470A	Total/NA
Sulfate	0.13	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.42	J	1.0	0.10	mg/L	1		300.0	Total/NA
Bromide - DL	12		5.0	0.50	mg/L	20		300.0	Total/NA
Alkalinity - DL	1200	B	25	2.7	mg/L	5		310.1	Total/NA
Chloride - DL2	470		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: P2-113-AS

Lab Sample ID: 160-2953-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.9	J	5.0	0.40	ug/L	1		8260C	Total/NA
Aluminum	130	J	200	80	ug/L	1		6010C	Total/NA
Antimony	4.8	J	10	4.0	ug/L	1		6010C	Total/NA
Arsenic	11		10	2.0	ug/L	1		6010C	Total/NA
Barium	700		50	4.0	ug/L	1		6010C	Total/NA
Calcium	160000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	190000		10000	1100	ug/L	10		6010C	Total/NA
Cobalt	13	J	50	4.0	ug/L	1		6010C	Total/NA
Iron	5700		100	28	ug/L	1		6010C	Total/NA
Iron	5900		1000	280	ug/L	10		6010C	Total/NA
Lead	3.3	J	10	1.5	ug/L	1		6010C	Total/NA
Magnesium	51000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	52000		10000	1300	ug/L	10		6010C	Total/NA
Manganese	5500		15	3.3	ug/L	1		6010C	Total/NA
Nickel	29	J	40	13	ug/L	1		6010C	Total/NA
Potassium	7700		5000	1700	ug/L	1		6010C	Total/NA
Sodium	76000		1000	320	ug/L	1		6010C	Total/NA
Thallium	6.5	J	20	4.0	ug/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P2-113-AS (Continued) — Lab Sample ID: 160-2953-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	7.7	J	20	5.2	ug/L	1		6010C	Total/NA
Arsenic	10		10	2.0	ug/L	1		6010C	Dissolved
Barium	690		50	4.0	ug/L	1		6010C	Dissolved
Calcium	160000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	180000		5000	530	ug/L	5		6010C	Dissolved
Cobalt	11	J	50	4.0	ug/L	1		6010C	Dissolved
Iron	5500		100	28	ug/L	1		6010C	Dissolved
Lead	2.7	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	49000		1000	130	ug/L	1		6010C	Dissolved
Manganese	5400		15	3.3	ug/L	1		6010C	Dissolved
Nickel	29	J	40	13	ug/L	1		6010C	Dissolved
Potassium	7600		5000	1700	ug/L	1		6010C	Dissolved
Sodium	77000		1000	320	ug/L	1		6010C	Dissolved
Zinc	6.9	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.016	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.83		0.25	0.025	mg/L	1		300.0	Total/NA
Sulfate	7.1		0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.37	J	1.0	0.10	mg/L	1		300.0	Total/NA
Alkalinity	630	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL2	110		20	2.0	mg/L	100		300.0	Total/NA

Client Sample ID: P2-109-SS — Lab Sample ID: 160-2953-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	67		50	4.0	ug/L	1		6010C	Total/NA
Calcium	87000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	96000		10000	1100	ug/L	10		6010C	Total/NA
Magnesium	55000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	56000		10000	1300	ug/L	10		6010C	Total/NA
Potassium	4000	J	5000	1700	ug/L	1		6010C	Total/NA
Sodium	18000		1000	320	ug/L	1		6010C	Total/NA
Zinc	19	J	20	5.2	ug/L	1		6010C	Total/NA
Barium	66		50	4.0	ug/L	1		6010C	Dissolved
Calcium	87000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	95000		5000	530	ug/L	5		6010C	Dissolved
Lead	1.8	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	53000	E	1000	130	ug/L	1		6010C	Dissolved
Magnesium	54000		5000	660	ug/L	5		6010C	Dissolved
Potassium	4000	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	18000		1000	320	ug/L	1		6010C	Dissolved
Zinc	23	B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.033		0.020	0.0040	mg/L	1		300.0	Total/NA
Chloride	3.8		0.20	0.020	mg/L	1		300.0	Total/NA
Alkalinity	440	B	5.0	0.54	mg/L	1		310.1	Total/NA
Sulfate - DL	34		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: P2-205-SS — Lab Sample ID: 160-2953-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	150		50	4.0	ug/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P2-205-SS (Continued) — Lab Sample ID: 160-2953-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	100000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	120000		10000	1100	ug/L	10		6010C	Total/NA
Iron	110		100	28	ug/L	1		6010C	Total/NA
Lead	2.0	J	10	1.5	ug/L	1		6010C	Total/NA
Magnesium	59000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	61000		10000	1300	ug/L	10		6010C	Total/NA
Potassium	1700	J	5000	1700	ug/L	1		6010C	Total/NA
Sodium	14000		1000	320	ug/L	1		6010C	Total/NA
Barium	150		50	4.0	ug/L	1		6010C	Dissolved
Calcium	100000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	110000		5000	530	ug/L	5		6010C	Dissolved
Lead	1.9	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	59000	E	1000	130	ug/L	1		6010C	Dissolved
Magnesium	58000		5000	660	ug/L	5		6010C	Dissolved
Potassium	1800	J	5000	1700	ug/L	1		6010C	Dissolved
Sodium	14000		1000	320	ug/L	1		6010C	Dissolved
Zinc	7.4	J B	20	5.2	ug/L	1		6010C	Dissolved
Nitrate as N	0.0069	J	0.020	0.0040	mg/L	1		300.0	Total/NA
Bromide	0.19	J	0.25	0.025	mg/L	1		300.0	Total/NA
Alkalinity	430	B	5.0	0.54	mg/L	1		310.1	Total/NA
Chloride - DL	35		4.0	0.40	mg/L	20		300.0	Total/NA
Sulfate - DL	56		10	1.0	mg/L	20		300.0	Total/NA

Client Sample ID: DUPLICATE 02 — Lab Sample ID: 160-2953-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.44	J	5.0	0.39	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.59	J	5.0	0.40	ug/L	1		8260C	Total/NA
Antimony	4.5	J	10	4.0	ug/L	1		6010C	Total/NA
Arsenic	4.9	J	10	2.0	ug/L	1		6010C	Total/NA
Barium	2300		50	4.0	ug/L	1		6010C	Total/NA
Calcium	230000	E	1000	110	ug/L	1		6010C	Total/NA
Calcium	280000		10000	1100	ug/L	10		6010C	Total/NA
Cobalt	4.7	J	50	4.0	ug/L	1		6010C	Total/NA
Iron	35000		100	28	ug/L	1		6010C	Total/NA
Iron	35000		1000	280	ug/L	10		6010C	Total/NA
Lead	3.1	J	10	1.5	ug/L	1		6010C	Total/NA
Magnesium	85000	E	1000	130	ug/L	1		6010C	Total/NA
Magnesium	86000		10000	1300	ug/L	10		6010C	Total/NA
Manganese	640		15	3.3	ug/L	1		6010C	Total/NA
Nickel	20	J	40	13	ug/L	1		6010C	Total/NA
Potassium	29000		5000	1700	ug/L	1		6010C	Total/NA
Selenium	2.7	J	15	2.7	ug/L	1		6010C	Total/NA
Sodium	350000	E	1000	320	ug/L	1		6010C	Total/NA
Sodium	340000		10000	3200	ug/L	10		6010C	Total/NA
Zinc	8.0	J	20	5.2	ug/L	1		6010C	Total/NA
Arsenic	4.4	J	10	2.0	ug/L	1		6010C	Dissolved
Barium	2400		50	4.0	ug/L	1		6010C	Dissolved
Calcium	230000	E	1000	110	ug/L	1		6010C	Dissolved
Calcium	270000	E	5000	530	ug/L	5		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: DUPLICATE 02 (Continued)

Lab Sample ID: 160-2953-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	290000		10000	1100	ug/L	10		6010C	Dissolved
Iron	35000		100	28	ug/L	1		6010C	Dissolved
Iron	36000		500	140	ug/L	5		6010C	Dissolved
Lead	3.6	J	10	1.5	ug/L	1		6010C	Dissolved
Magnesium	84000	E	1000	130	ug/L	1		6010C	Dissolved
Magnesium	84000		5000	660	ug/L	5		6010C	Dissolved
Manganese	630		15	3.3	ug/L	1		6010C	Dissolved
Nickel	21	J	40	13	ug/L	1		6010C	Dissolved
Potassium	29000		5000	1700	ug/L	1		6010C	Dissolved
Selenium	2.8	J	15	2.7	ug/L	1		6010C	Dissolved
Sodium	360000	E	1000	320	ug/L	1		6010C	Dissolved
Sodium	360000		5000	1600	ug/L	5		6010C	Dissolved
Mercury	0.077	J	0.20	0.060	ug/L	1		7470A	Total/NA
Sulfate	0.10	J	0.50	0.050	mg/L	1		300.0	Total/NA
Iodide	0.42	J	1.0	0.10	mg/L	1		300.0	Total/NA
Bromide - DL	12		5.0	0.50	mg/L	20		300.0	Total/NA
Alkalinity - DL	1200	B	25	2.7	mg/L	5		310.1	Total/NA
Chloride - DL2	470		40	4.0	mg/L	200		300.0	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 160-2953-11

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-201A-SS
Date Collected: 07/10/13 10:23
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-1
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			07/16/13 13:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 13:11	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 13:11	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 13:11	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 13:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 13:11	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 13:11	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 13:11	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 13:11	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 13:11	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 13:11	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 13:11	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 13:11	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 13:11	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 13:11	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 13:11	1
Acetone	ND		20	6.7	ug/L			07/16/13 13:11	1
Benzene	**0.38**	**J**	5.0	0.25	ug/L			07/16/13 13:11	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 13:11	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 13:11	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 13:11	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 13:11	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 13:11	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 13:11	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 13:11	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 13:11	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 13:11	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 13:11	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 13:11	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 13:11	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 13:11	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 13:11	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 13:11	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 13:11	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 13:11	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 13:11	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 13:11	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 13:11	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 13:11	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 13:11	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 13:11	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 13:11	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 13:11	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 13:11	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 13:11	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 13:11	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 13:11	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 13:11	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 13:11	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-201A-SS
Date Collected: 07/10/13 10:23
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		82 - 132		07/16/13 13:11	1
4-Bromofluorobenzene (Surr)	101		82 - 121		07/16/13 13:11	1
Dibromofluoromethane (Surr)	103		85 - 119		07/16/13 13:11	1
Toluene-d8 (Surr)	99		85 - 115		07/16/13 13:11	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 18:06	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:18	07/18/13 18:06	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:18	07/18/13 18:06	1
Barium	**130**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:06	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:06	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:06	1
Calcium	**94000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:06	1
Calcium	**100000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 19:45	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:06	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:06	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:06	1
Iron	**53**	**J**	100	28	ug/L		07/16/13 14:18	07/18/13 18:06	1
Lead	**2.6**	**J**	10	1.5	ug/L		07/16/13 14:18	07/18/13 18:06	1
Magnesium	**48000**		1000	130	ug/L		07/16/13 14:18	07/18/13 18:06	1
Manganese	**18**		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:06	1
Nickel	ND		40	13	ug/L		07/16/13 14:18	07/18/13 18:06	1
Potassium	**2200**	**J**	5000	1700	ug/L		07/16/13 14:18	07/18/13 18:06	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:06	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:06	1
Sodium	**12000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:06	1
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:06	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:06	1
Zinc	**23**		20	5.2	ug/L		07/16/13 14:18	07/18/13 18:06	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:35	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 15:35	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:09	07/17/13 15:35	1
Barium	**130**		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:35	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:35	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:35	1
Calcium	**97000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 15:35	1
Calcium	**100000**		5000	530	ug/L		07/16/13 14:09	07/17/13 17:14	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:35	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:35	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:35	1
Iron	ND		100	28	ug/L		07/16/13 14:09	07/17/13 15:35	1
Lead	**2.4**	**J**	10	1.5	ug/L		07/16/13 14:09	07/17/13 15:35	1
Magnesium	**47000**		1000	130	ug/L		07/16/13 14:09	07/17/13 15:35	1
Manganese	**4.5**	**J**	15	3.3	ug/L		07/16/13 14:09	07/17/13 15:35	1
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 15:35	1
Potassium	**2200**	**J**	5000	1700	ug/L		07/16/13 14:09	07/17/13 15:35	1

Client Sample ID: P2-201A-SS

Lab Sample ID: 160-2953-1

Date Collected: 07/10/13 10:23

Matrix: Water

Date Received: 07/11/13 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 15:35	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:35	1
Sodium	**12000**		1000	320	ug/L		07/16/13 14:09	07/17/13 15:35	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:35	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:35	1
Zinc	**21**	**B**	20	5.2	ug/L		07/16/13 14:09	07/17/13 15:35	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:02	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		07/16/13 12:18	07/17/13 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.33**		0.020	0.0040	mg/L			07/11/13 13:04	1
Chloride	**4.1**		0.20	0.020	mg/L			07/11/13 13:04	1
Bromide	ND		0.25	0.025	mg/L			07/11/13 13:04	1
Iodide	ND		1.0	0.10	mg/L			07/16/13 07:07	1
Alkalinity	**400**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**65**		10	1.0	mg/L			07/11/13 13:19	20

Client Sample ID: D-85

Lab Sample ID: 160-2953-2

Date Collected: 07/10/13 10:52

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 14:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 14:56	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 14:56	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 14:56	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 14:56	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 14:56	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 14:56	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 14:56	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 14:56	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 14:56	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 14:56	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 14:56	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 14:56	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 14:56	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 14:56	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 14:56	1
Acetone	ND		20	6.7	ug/L			07/16/13 14:56	1
Benzene	**0.35**	**J**	5.0	0.25	ug/L			07/16/13 14:56	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: D-85
Date Collected: 07/10/13 10:52
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 14:56	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 14:56	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 14:56	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 14:56	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 14:56	1
Chlorobenzene	**58**		5.0	0.38	ug/L			07/16/13 14:56	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 14:56	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 14:56	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 14:56	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 14:56	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 14:56	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 14:56	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 14:56	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 14:56	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 14:56	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 14:56	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 14:56	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 14:56	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 14:56	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 14:56	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 14:56	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 14:56	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 14:56	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 14:56	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 14:56	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 14:56	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 14:56	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 14:56	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 14:56	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 14:56	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*82 - 132*		*07/16/13 14:56*	*1*
4-Bromofluorobenzene (Surr)	*106*		*82 - 121*		*07/16/13 14:56*	*1*
Dibromofluoromethane (Surr)	*102*		*85 - 119*		*07/16/13 14:56*	*1*
Toluene-d8 (Surr)	*103*		*85 - 115*		*07/16/13 14:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**19000**		200	80	ug/L		07/16/13 14:18	07/18/13 18:10	1
Antimony	**6.7**	**J**	10	4.0	ug/L		07/16/13 14:18	07/18/13 18:10	1
Arsenic	**49**		10	2.0	ug/L		07/16/13 14:18	07/18/13 18:10	1
Barium	**2600**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:10	1
Beryllium	**1.7**	**J**	5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:10	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:10	1
Calcium	**260000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:10	1
Calcium	**440000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 19:49	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:10	1
Cobalt	**49**	**J**	50	4.0	ug/L		07/16/13 14:18	07/18/13 18:10	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: D-85
Date Collected: 07/10/13 10:52
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	28		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:10	1
Iron	96000		100	28	ug/L		07/16/13 14:18	07/18/13 18:10	1
Iron	120000		1000	280	ug/L		07/16/13 14:18	07/18/13 19:49	10
Lead	56		10	1.5	ug/L		07/16/13 14:18	07/18/13 18:10	1
Magnesium	95000	E	1000	130	ug/L		07/16/13 14:18	07/18/13 18:10	1
Magnesium	120000		10000	1300	ug/L		07/16/13 14:18	07/18/13 19:49	10
Manganese	2600		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:10	1
Nickel	130		40	13	ug/L		07/16/13 14:18	07/18/13 18:10	1
Potassium	9800		5000	1700	ug/L		07/16/13 14:18	07/18/13 18:10	1
Selenium	4.3	J	15	2.7	ug/L		07/16/13 14:18	07/18/13 18:10	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:10	1
Sodium	130000	E	1000	320	ug/L		07/16/13 14:18	07/18/13 18:10	1
Sodium	160000		10000	3200	ug/L		07/16/13 14:18	07/18/13 19:49	10
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:10	1
Vanadium	58		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:10	1
Zinc	250		20	5.2	ug/L		07/16/13 14:18	07/18/13 18:10	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:39	1
Antimony	4.8	J	10	4.0	ug/L		07/16/13 14:09	07/17/13 15:39	1
Arsenic	43		10	2.0	ug/L		07/16/13 14:09	07/17/13 15:39	1
Barium	1900		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:39	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:39	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:39	1
Calcium	220000	E	1000	110	ug/L		07/16/13 14:09	07/17/13 15:39	1
Calcium	270000	E	5000	530	ug/L		07/16/13 14:09	07/17/13 17:18	5
Calcium	280000		10000	1100	ug/L		07/16/13 14:09	07/18/13 10:41	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:39	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:39	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:39	1
Iron	53000		100	28	ug/L		07/16/13 14:09	07/17/13 15:39	1
Iron	55000		500	140	ug/L		07/16/13 14:09	07/17/13 17:18	5
Lead	4.0	J	10	1.5	ug/L		07/16/13 14:09	07/17/13 15:39	1
Magnesium	67000	E	1000	130	ug/L		07/16/13 14:09	07/17/13 15:39	1
Magnesium	68000		5000	660	ug/L		07/16/13 14:09	07/17/13 17:18	5
Manganese	1000		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:39	1
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 15:39	1
Potassium	8500		5000	1700	ug/L		07/16/13 14:09	07/17/13 15:39	1
Selenium	3.9	J	15	2.7	ug/L		07/16/13 14:09	07/17/13 15:39	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:39	1
Sodium	170000	E	1000	320	ug/L		07/16/13 14:09	07/17/13 15:39	1
Sodium	170000		5000	1600	ug/L		07/16/13 14:09	07/17/13 17:18	5
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:39	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:39	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:09	07/17/13 15:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.079	J	0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:04	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: D-85

Lab Sample ID: 160-2953-2

Date Collected: 07/10/13 10:52

Matrix: Water

Date Received: 07/11/13 08:20

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:18	07/17/13 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.34**		0.020	0.0040	mg/L			07/11/13 15:00	1
Chloride	**4.1**		0.20	0.020	mg/L			07/11/13 15:00	1
Bromide	ND		0.25	0.025	mg/L			07/11/13 15:00	1
Iodide	**0.18**	**J**	1.0	0.10	mg/L			07/16/13 07:36	1
Alkalinity	**720**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**65**		10	1.0	mg/L			07/11/13 15:14	20

Client Sample ID: P2-106-SD

Lab Sample ID: 160-2953-3

Date Collected: 07/10/13 11:41

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 15:22	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 15:22	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 15:22	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 15:22	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 15:22	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 15:22	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 15:22	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 15:22	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 15:22	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 15:22	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 15:22	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 15:22	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 15:22	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 15:22	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 15:22	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 15:22	1
Acetone	ND		20	6.7	ug/L			07/16/13 15:22	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 15:22	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 15:22	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 15:22	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 15:22	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 15:22	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 15:22	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 15:22	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 15:22	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 15:22	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 15:22	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 15:22	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 15:22	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 15:22	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-106-SD
Date Collected: 07/10/13 11:41
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 15:22	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 15:22	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 15:22	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 15:22	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 15:22	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 15:22	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 15:22	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 15:22	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 15:22	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 15:22	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 15:22	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 15:22	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 15:22	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 15:22	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 15:22	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 15:22	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 15:22	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 15:22	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*82 - 132*		*07/16/13 15:22*	*1*
4-Bromofluorobenzene (Surr)	*104*		*82 - 121*		*07/16/13 15:22*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*07/16/13 15:22*	*1*
Toluene-d8 (Surr)	*102*		*85 - 115*		*07/16/13 15:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**800**		200	80	ug/L		07/16/13 14:18	07/18/13 18:14	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:18	07/18/13 18:14	1
Arsenic	**2.8**	**J**	10	2.0	ug/L		07/16/13 14:18	07/18/13 18:14	1
Barium	**130**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:14	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:14	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:14	1
Calcium	**93000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:14	1
Calcium	**100000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:01	10
Chromium	**4.2**	**J**	10	3.1	ug/L		07/16/13 14:18	07/18/13 18:14	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:14	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:14	1
Iron	**2300**		100	28	ug/L		07/16/13 14:18	07/18/13 18:14	1
Iron	**2200**		1000	280	ug/L		07/16/13 14:18	07/18/13 20:01	10
Lead	**3.9**	**J**	10	1.5	ug/L		07/16/13 14:18	07/18/13 18:14	1
Magnesium	**50000**	**E**	1000	130	ug/L		07/16/13 14:18	07/18/13 18:14	1
Magnesium	**50000**		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:01	10
Manganese	**78**		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:14	1
Nickel	ND		40	13	ug/L		07/16/13 14:18	07/18/13 18:14	1
Potassium	**2700**	**J**	5000	1700	ug/L		07/16/13 14:18	07/18/13 18:14	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:14	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:14	1
Sodium	**10000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:14	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-106-SD
Date Collected: 07/10/13 11:41
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:14	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:14	1
Zinc	**13**	**J**	20	5.2	ug/L		07/16/13 14:18	07/18/13 18:14	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:43	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 15:43	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:09	07/17/13 15:43	1
Barium	**95**		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:43	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:43	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:43	1
Calcium	**92000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 15:43	1
Calcium	**99000**		5000	530	ug/L		07/16/13 14:09	07/17/13 17:22	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:43	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:43	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:43	1
Iron	**430**		100	28	ug/L		07/16/13 14:09	07/17/13 15:43	1
Lead	ND		10	1.5	ug/L		07/16/13 14:09	07/17/13 15:43	1
Magnesium	**48000**		1000	130	ug/L		07/16/13 14:09	07/17/13 15:43	1
Manganese	**67**		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:43	1
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 15:43	1
Potassium	**2300**	**J**	5000	1700	ug/L		07/16/13 14:09	07/17/13 15:43	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 15:43	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:43	1
Sodium	**10000**		1000	320	ug/L		07/16/13 14:09	07/17/13 15:43	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:43	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:43	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:09	07/17/13 15:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:05	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		07/16/13 12:18	07/17/13 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0095**	**J**	0.020	0.0040	mg/L			07/11/13 15:43	1
Bromide	ND		0.25	0.025	mg/L			07/11/13 15:43	1
Iodide	ND		1.0	0.10	mg/L			07/16/13 07:51	1
Alkalinity	**390**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		4.0	0.40	mg/L			07/11/13 15:57	20
Sulfate	**60**		10	1.0	mg/L			07/11/13 15:57	20

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: S-84
Date Collected: 07/10/13 11:46
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-4
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			07/16/13 15:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 15:49	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 15:49	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 15:49	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 15:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 15:49	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 15:49	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 15:49	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 15:49	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 15:49	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 15:49	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 15:49	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 15:49	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 15:49	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 15:49	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 15:49	1
Acetone	ND		20	6.7	ug/L			07/16/13 15:49	1
Benzene	**2.6**	**J**	5.0	0.25	ug/L			07/16/13 15:49	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 15:49	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 15:49	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 15:49	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 15:49	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 15:49	1
Chlorobenzene	**11**		5.0	0.38	ug/L			07/16/13 15:49	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 15:49	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 15:49	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 15:49	1
cis-1,2-Dichloroethene	**0.47**	**J**	5.0	0.16	ug/L			07/16/13 15:49	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 15:49	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 15:49	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 15:49	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 15:49	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 15:49	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 15:49	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 15:49	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 15:49	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 15:49	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 15:49	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 15:49	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 15:49	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 15:49	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 15:49	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 15:49	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 15:49	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 15:49	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 15:49	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 15:49	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 15:49	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 15:49	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: S-84
Date Collected: 07/10/13 11:46
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*82 - 132*		*07/16/13 15:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*82 - 121*		*07/16/13 15:49*	*1*
Dibromofluoromethane (Surr)	*102*		*85 - 119*		*07/16/13 15:49*	*1*
Toluene-d8 (Surr)	*100*		*85 - 115*		*07/16/13 15:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**20000**		200	80	ug/L		07/16/13 14:18	07/18/13 18:18	1
Antimony	**8.4**	**J**	10	4.0	ug/L		07/16/13 14:18	07/18/13 18:18	1
Arsenic	**130**		10	2.0	ug/L		07/16/13 14:18	07/18/13 18:18	1
Barium	**1700**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:18	1
Beryllium	**1.9**	**J**	5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:18	1
Cadmium	**1.0**	**J**	5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:18	1
Calcium	**240000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:18	1
Calcium	**340000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:04	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:18	1
Cobalt	**79**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:18	1
Copper	**24**	**J**	25	4.6	ug/L		07/16/13 14:18	07/18/13 18:18	1
Iron	**100000**	**E**	100	28	ug/L		07/16/13 14:18	07/18/13 18:18	1
Iron	**120000**		1000	280	ug/L		07/16/13 14:18	07/18/13 20:04	10
Lead	**49**		10	1.5	ug/L		07/16/13 14:18	07/18/13 18:18	1
Magnesium	**100000**	**E**	1000	130	ug/L		07/16/13 14:18	07/18/13 18:18	1
Magnesium	**120000**		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:04	10
Manganese	**3600**		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:18	1
Nickel	**140**		40	13	ug/L		07/16/13 14:18	07/18/13 18:18	1
Potassium	**8400**		5000	1700	ug/L		07/16/13 14:18	07/18/13 18:18	1
Selenium	**6.8**	**J**	15	2.7	ug/L		07/16/13 14:18	07/18/13 18:18	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:18	1
Sodium	**41000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:18	1
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:18	1
Vanadium	**68**		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:18	1
Zinc	**270**		20	5.2	ug/L		07/16/13 14:18	07/18/13 18:18	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:46	1
Antimony	**4.5**	**J**	10	4.0	ug/L		07/16/13 14:09	07/17/13 15:46	1
Arsenic	**140**		10	2.0	ug/L		07/16/13 14:09	07/17/13 15:46	1
Barium	**850**		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:46	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:46	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:46	1
Calcium	**140000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 15:46	1
Calcium	**160000**		5000	530	ug/L		07/16/13 14:09	07/17/13 17:26	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:46	1
Cobalt	**15**	**J**	50	4.0	ug/L		07/16/13 14:09	07/17/13 15:46	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:46	1
Iron	**66000**		100	28	ug/L		07/16/13 14:09	07/17/13 15:46	1
Iron	**66000**		500	140	ug/L		07/16/13 14:09	07/17/13 17:26	5
Lead	**4.4**	**J**	10	1.5	ug/L		07/16/13 14:09	07/17/13 15:46	1
Magnesium	**53000**	**E**	1000	130	ug/L		07/16/13 14:09	07/17/13 15:46	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: S-84

Lab Sample ID: 160-2953-4

Date Collected: 07/10/13 11:46

Matrix: Water

Date Received: 07/11/13 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**53000**		5000	660	ug/L		07/16/13 14:09	07/17/13 17:26	5
Manganese	**1900**		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:46	1
Nickel	**25**	**J**	40	13	ug/L		07/16/13 14:09	07/17/13 15:46	1
Potassium	**4700**	**J**	5000	1700	ug/L		07/16/13 14:09	07/17/13 15:46	1
Selenium	**4.3**	**J**	15	2.7	ug/L		07/16/13 14:09	07/17/13 15:46	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:46	1
Sodium	**47000**		1000	320	ug/L		07/16/13 14:09	07/17/13 15:46	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:46	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:46	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:09	07/17/13 15:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.087**	**J**	0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:07	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		07/16/13 12:18	07/17/13 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			07/11/13 16:12	1
Bromide	**2.1**		0.25	0.025	mg/L			07/11/13 16:12	1
Sulfate	**0.15**	**J**	0.50	0.050	mg/L			07/11/13 16:12	1
Iodide	**0.23**	**J**	1.0	0.10	mg/L			07/16/13 08:36	1
Alkalinity	**640**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59**		4.0	0.40	mg/L			07/11/13 16:26	20

Client Sample ID: P2-106-SS

Lab Sample ID: 160-2953-5

Date Collected: 07/10/13 12:43

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 16:15	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 16:15	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 16:15	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 16:15	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 16:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 16:15	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 16:15	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 16:15	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 16:15	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 16:15	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 16:15	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 16:15	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 16:15	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 16:15	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-106-SS
Date Collected: 07/10/13 12:43
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 16:15	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 16:15	1
Acetone	ND		20	6.7	ug/L			07/16/13 16:15	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 16:15	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 16:15	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 16:15	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 16:15	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 16:15	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 16:15	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 16:15	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 16:15	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 16:15	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 16:15	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 16:15	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 16:15	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 16:15	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 16:15	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 16:15	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 16:15	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 16:15	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 16:15	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 16:15	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 16:15	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 16:15	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 16:15	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 16:15	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 16:15	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 16:15	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 16:15	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 16:15	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 16:15	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 16:15	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 16:15	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 16:15	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*82 - 132*		*07/16/13 16:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*82 - 121*		*07/16/13 16:15*	*1*
Dibromofluoromethane (Surr)	*100*		*85 - 119*		*07/16/13 16:15*	*1*
Toluene-d8 (Surr)	*103*		*85 - 115*		*07/16/13 16:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 18:29	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:18	07/18/13 18:29	1
Arsenic	**2.2**	**J**	10	2.0	ug/L		07/16/13 14:18	07/18/13 18:29	1
Barium	**150**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:29	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:29	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:29	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-106-SS
Date Collected: 07/10/13 12:43
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**98000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:29	1
Calcium	**110000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:08	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:29	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:29	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:29	1
Iron	**570**		100	28	ug/L		07/16/13 14:18	07/18/13 18:29	1
Lead	ND		10	1.5	ug/L		07/16/13 14:18	07/18/13 18:29	1
Magnesium	**50000**		1000	130	ug/L		07/16/13 14:18	07/18/13 18:29	1
Manganese	**24**		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:29	1
Nickel	ND		40	13	ug/L		07/16/13 14:18	07/18/13 18:29	1
Potassium	**2300**	**J**	5000	1700	ug/L		07/16/13 14:18	07/18/13 18:29	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:29	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:29	1
Sodium	**16000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:29	1
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:29	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:29	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:18	07/18/13 18:29	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:50	1
Aluminum	ND		1000	400	ug/L		07/16/13 14:09	07/17/13 17:30	5
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 15:50	1
Antimony	ND		50	20	ug/L		07/16/13 14:09	07/17/13 17:30	5
Arsenic	**2.0**	**J**	10	2.0	ug/L		07/16/13 14:09	07/17/13 15:50	1
Arsenic	ND		50	9.9	ug/L		07/16/13 14:09	07/17/13 17:30	5
Barium	**150**		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:50	1
Barium	ND		250	20	ug/L		07/16/13 14:09	07/17/13 17:30	5
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:50	1
Beryllium	ND		25	3.1	ug/L		07/16/13 14:09	07/17/13 17:30	5
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:50	1
Cadmium	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 17:30	5
Calcium	**100000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 15:50	1
Calcium	ND		5000	530	ug/L		07/16/13 14:09	07/17/13 17:30	5
Calcium	**98000**		5000	530	ug/L		07/16/13 14:09	07/18/13 10:45	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:50	1
Chromium	ND		50	16	ug/L		07/16/13 14:09	07/17/13 17:30	5
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:50	1
Cobalt	ND		250	20	ug/L		07/16/13 14:09	07/17/13 17:30	5
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:50	1
Copper	ND		130	23	ug/L		07/16/13 14:09	07/17/13 17:30	5
Iron	**610**		100	28	ug/L		07/16/13 14:09	07/17/13 15:50	1
Iron	ND		500	140	ug/L		07/16/13 14:09	07/17/13 17:30	5
Lead	**1.6**	**J**	10	1.5	ug/L		07/16/13 14:09	07/17/13 15:50	1
Lead	ND		50	7.5	ug/L		07/16/13 14:09	07/17/13 17:30	5
Magnesium	**49000**		1000	130	ug/L		07/16/13 14:09	07/17/13 15:50	1
Magnesium	ND		5000	660	ug/L		07/16/13 14:09	07/17/13 17:30	5
Manganese	**26**		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:50	1
Manganese	ND		75	17	ug/L		07/16/13 14:09	07/17/13 17:30	5
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 15:50	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-106-SS

Lab Sample ID: 160-2953-5

Date Collected: 07/10/13 12:43

Matrix: Water

Date Received: 07/11/13 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		200	67	ug/L		07/16/13 14:09	07/17/13 17:30	5
Potassium	**2300**	**J**	5000	1700	ug/L		07/16/13 14:09	07/17/13 15:50	1
Potassium	ND		25000	8300	ug/L		07/16/13 14:09	07/17/13 17:30	5
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 15:50	1
Selenium	ND		75	13	ug/L		07/16/13 14:09	07/17/13 17:30	5
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:50	1
Silver	ND		50	30	ug/L		07/16/13 14:09	07/17/13 17:30	5
Sodium	**16000**		1000	320	ug/L		07/16/13 14:09	07/17/13 15:50	1
Sodium	ND		5000	1600	ug/L		07/16/13 14:09	07/17/13 17:30	5
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:50	1
Thallium	ND	^	100	20	ug/L		07/16/13 14:09	07/17/13 17:30	5
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:50	1
Vanadium	ND		250	20	ug/L		07/16/13 14:09	07/17/13 17:30	5
Zinc	ND		20	5.2	ug/L		07/16/13 14:09	07/17/13 15:50	1
Zinc	ND		100	26	ug/L		07/16/13 14:09	07/17/13 17:30	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:18	07/17/13 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0055**	**J**	0.020	0.0040	mg/L			07/11/13 16:55	1
Bromide	**0.054**	**J**	0.25	0.025	mg/L			07/11/13 16:55	1
Iodide	ND		1.0	0.10	mg/L			07/16/13 08:51	1
Alkalinity	**390**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23**		4.0	0.40	mg/L			07/11/13 17:10	20
Sulfate	**51**		10	1.0	mg/L			07/11/13 17:10	20

Client Sample ID: P2-113-AD

Lab Sample ID: 160-2953-6

Date Collected: 07/10/13 13:02

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 16:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 16:41	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 16:41	1
1,1-Dichloroethane	**0.40**	**J**	5.0	0.39	ug/L			07/16/13 16:41	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 16:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 16:41	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 16:41	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 16:41	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 16:41	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-113-AD
Date Collected: 07/10/13 13:02
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 16:41	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 16:41	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 16:41	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 16:41	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 16:41	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 16:41	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 16:41	1
Acetone	ND		20	6.7	ug/L			07/16/13 16:41	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 16:41	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 16:41	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 16:41	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 16:41	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 16:41	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 16:41	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 16:41	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 16:41	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 16:41	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 16:41	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 16:41	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 16:41	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 16:41	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 16:41	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 16:41	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 16:41	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 16:41	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 16:41	1
Methyl tert-butyl ether	**0.53**	**J**	5.0	0.40	ug/L			07/16/13 16:41	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 16:41	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 16:41	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 16:41	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 16:41	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 16:41	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 16:41	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 16:41	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 16:41	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 16:41	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 16:41	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 16:41	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 16:41	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*82 - 132*		*07/16/13 16:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*82 - 121*		*07/16/13 16:41*	*1*
Dibromofluoromethane (Surr)	*105*		*85 - 119*		*07/16/13 16:41*	*1*
Toluene-d8 (Surr)	*101*		*85 - 115*		*07/16/13 16:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 18:33	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-113-AD
Date Collected: 07/10/13 13:02
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.6	J	10	4.0	ug/L		07/16/13 14:18	07/18/13 18:33	1
Arsenic	4.7	J	10	2.0	ug/L		07/16/13 14:18	07/18/13 18:33	1
Barium	2300		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:33	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:33	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:33	1
Calcium	230000	E	1000	110	ug/L		07/16/13 14:18	07/18/13 18:33	1
Calcium	280000		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:12	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:33	1
Cobalt	4.7	J	50	4.0	ug/L		07/16/13 14:18	07/18/13 18:33	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:33	1
Iron	35000		100	28	ug/L		07/16/13 14:18	07/18/13 18:33	1
Iron	35000		1000	280	ug/L		07/16/13 14:18	07/18/13 20:12	10
Lead	2.9	J	10	1.5	ug/L		07/16/13 14:18	07/18/13 18:33	1
Magnesium	85000	E	1000	130	ug/L		07/16/13 14:18	07/18/13 18:33	1
Magnesium	86000		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:12	10
Manganese	640		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:33	1
Nickel	20	J	40	13	ug/L		07/16/13 14:18	07/18/13 18:33	1
Potassium	29000		5000	1700	ug/L		07/16/13 14:18	07/18/13 18:33	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:33	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:33	1
Sodium	350000	E	1000	320	ug/L		07/16/13 14:18	07/18/13 18:33	1
Sodium	340000		10000	3200	ug/L		07/16/13 14:18	07/18/13 20:12	10
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:33	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:33	1
Zinc	5.6	J	20	5.2	ug/L		07/16/13 14:18	07/18/13 18:33	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:54	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 15:54	1
Arsenic	4.9	J	10	2.0	ug/L		07/16/13 14:09	07/17/13 15:54	1
Barium	2300		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:54	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:54	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:54	1
Calcium	230000	E	1000	110	ug/L		07/16/13 14:09	07/17/13 15:54	1
Calcium	260000	E	5000	530	ug/L		07/16/13 14:09	07/17/13 17:34	5
Calcium	280000		10000	1100	ug/L		07/16/13 14:09	07/18/13 10:52	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:54	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:54	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:54	1
Iron	34000		100	28	ug/L		07/16/13 14:09	07/17/13 15:54	1
Iron	34000		500	140	ug/L		07/16/13 14:09	07/17/13 17:34	5
Lead	3.1	J	10	1.5	ug/L		07/16/13 14:09	07/17/13 15:54	1
Magnesium	82000	E	1000	130	ug/L		07/16/13 14:09	07/17/13 15:54	1
Magnesium	81000		5000	660	ug/L		07/16/13 14:09	07/17/13 17:34	5
Manganese	610		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:54	1
Nickel	20	J	40	13	ug/L		07/16/13 14:09	07/17/13 15:54	1
Potassium	28000		5000	1700	ug/L		07/16/13 14:09	07/17/13 15:54	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 15:54	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:54	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-113-AD

Lab Sample ID: 160-2953-6

Date Collected: 07/10/13 13:02

Matrix: Water

Date Received: 07/11/13 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**350000**	**E**	1000	320	ug/L		07/16/13 14:09	07/17/13 15:54	1
Sodium	**340000**		5000	1600	ug/L		07/16/13 14:09	07/17/13 17:34	5
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:54	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:54	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:09	07/17/13 15:54	1

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		07/16/13 12:06	07/16/13 16:10	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		07/16/13 12:18	07/17/13 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			07/11/13 17:53	1
Sulfate	**0.13**	**J**	0.50	0.050	mg/L			07/11/13 17:53	1
Iodide	**0.42**	**J**	1.0	0.10	mg/L			07/16/13 09:06	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**12**		5.0	0.50	mg/L			07/11/13 18:07	20
Alkalinity	**1200**	**B**	25	2.7	mg/L			07/24/13 14:09	5

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**470**		40	4.0	mg/L			07/11/13 18:22	200

Client Sample ID: P2-113-AS

Lab Sample ID: 160-2953-7

Date Collected: 07/10/13 14:00

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 17:07	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 17:07	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 17:07	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 17:07	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 17:07	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 17:07	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 17:07	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 17:07	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 17:07	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 17:07	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 17:07	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 17:07	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 17:07	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 17:07	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 17:07	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 17:07	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-113-AS
Date Collected: 07/10/13 14:00
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.7	ug/L			07/16/13 17:07	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 17:07	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 17:07	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 17:07	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 17:07	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 17:07	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 17:07	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 17:07	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 17:07	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 17:07	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 17:07	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 17:07	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 17:07	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 17:07	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 17:07	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 17:07	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 17:07	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 17:07	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 17:07	1
Methyl tert-butyl ether	**2.9**	**J**	5.0	0.40	ug/L			07/16/13 17:07	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 17:07	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 17:07	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 17:07	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 17:07	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 17:07	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 17:07	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 17:07	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 17:07	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 17:07	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 17:07	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 17:07	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 17:07	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*82 - 132*		*07/16/13 17:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*82 - 121*		*07/16/13 17:07*	*1*
Dibromofluoromethane (Surr)	*101*		*85 - 119*		*07/16/13 17:07*	*1*
Toluene-d8 (Surr)	*96*		*85 - 115*		*07/16/13 17:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**130**	**J**	200	80	ug/L		07/16/13 14:18	07/18/13 18:37	1
Antimony	**4.8**	**J**	10	4.0	ug/L		07/16/13 14:18	07/18/13 18:37	1
Arsenic	**11**		10	2.0	ug/L		07/16/13 14:18	07/18/13 18:37	1
Barium	**700**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:37	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:37	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:37	1
Calcium	**160000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:37	1
Calcium	**190000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:16	10

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-113-AS
Date Collected: 07/10/13 14:00
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:37	1
Cobalt	**13**	**J**	50	4.0	ug/L		07/16/13 14:18	07/18/13 18:37	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:37	1
Iron	**5700**		100	28	ug/L		07/16/13 14:18	07/18/13 18:37	1
Iron	**5900**		1000	280	ug/L		07/16/13 14:18	07/18/13 20:16	10
Lead	**3.3**	**J**	10	1.5	ug/L		07/16/13 14:18	07/18/13 18:37	1
Magnesium	**51000**	**E**	1000	130	ug/L		07/16/13 14:18	07/18/13 18:37	1
Magnesium	**52000**		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:16	10
Manganese	**5500**		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:37	1
Nickel	**29**	**J**	40	13	ug/L		07/16/13 14:18	07/18/13 18:37	1
Potassium	**7700**		5000	1700	ug/L		07/16/13 14:18	07/18/13 18:37	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:37	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:37	1
Sodium	**76000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:37	1
Thallium	**6.5**	**J**	20	4.0	ug/L		07/16/13 14:18	07/18/13 18:37	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:37	1
Zinc	**7.7**	**J**	20	5.2	ug/L		07/16/13 14:18	07/18/13 18:37	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:58	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 15:58	1
Arsenic	**10**		10	2.0	ug/L		07/16/13 14:09	07/17/13 15:58	1
Barium	**690**		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:58	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:58	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:58	1
Calcium	**160000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 15:58	1
Calcium	**180000**		5000	530	ug/L		07/16/13 14:09	07/17/13 17:45	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:58	1
Cobalt	**11**	**J**	50	4.0	ug/L		07/16/13 14:09	07/17/13 15:58	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:58	1
Iron	**5500**		100	28	ug/L		07/16/13 14:09	07/17/13 15:58	1
Lead	**2.7**	**J**	10	1.5	ug/L		07/16/13 14:09	07/17/13 15:58	1
Magnesium	**49000**		1000	130	ug/L		07/16/13 14:09	07/17/13 15:58	1
Manganese	**5400**		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:58	1
Nickel	**29**	**J**	40	13	ug/L		07/16/13 14:09	07/17/13 15:58	1
Potassium	**7600**		5000	1700	ug/L		07/16/13 14:09	07/17/13 15:58	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 15:58	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:58	1
Sodium	**77000**		1000	320	ug/L		07/16/13 14:09	07/17/13 15:58	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:58	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:58	1
Zinc	**6.9**	**J B**	20	5.2	ug/L		07/16/13 14:09	07/17/13 15:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:12	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-113-AS

Lab Sample ID: 160-2953-7

Date Collected: 07/10/13 14:00

Matrix: Water

Date Received: 07/11/13 08:20

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:18	07/17/13 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.016**	**J**	0.020	0.0040	mg/L			07/11/13 19:19	1
Bromide	**0.83**		0.25	0.025	mg/L			07/11/13 19:19	1
Sulfate	**7.1**		0.50	0.050	mg/L			07/11/13 19:19	1
Iodide	**0.37**	**J**	1.0	0.10	mg/L			07/16/13 09:21	1
Alkalinity	**630**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		20	2.0	mg/L			07/11/13 19:48	100

Client Sample ID: P2-109-SS

Lab Sample ID: 160-2953-8

Date Collected: 07/10/13 14:30

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 17:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 17:33	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 17:33	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 17:33	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 17:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 17:33	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 17:33	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 17:33	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 17:33	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 17:33	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 17:33	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 17:33	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 17:33	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 17:33	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 17:33	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 17:33	1
Acetone	ND		20	6.7	ug/L			07/16/13 17:33	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 17:33	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 17:33	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 17:33	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 17:33	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 17:33	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 17:33	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 17:33	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 17:33	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 17:33	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 17:33	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 17:33	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 17:33	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 17:33	1

Client Sample ID: P2-109-SS
Date Collected: 07/10/13 14:30
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 17:33	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 17:33	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 17:33	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 17:33	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 17:33	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 17:33	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 17:33	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 17:33	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 17:33	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 17:33	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 17:33	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 17:33	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 17:33	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 17:33	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 17:33	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 17:33	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 17:33	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 17:33	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*82 - 132*		*07/16/13 17:33*	*1*
4-Bromofluorobenzene (Surr)	*105*		*82 - 121*		*07/16/13 17:33*	*1*
Dibromofluoromethane (Surr)	*107*		*85 - 119*		*07/16/13 17:33*	*1*
Toluene-d8 (Surr)	*105*		*85 - 115*		*07/16/13 17:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 18:41	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:18	07/18/13 18:41	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:18	07/18/13 18:41	1
Barium	**67**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:41	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:41	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:41	1
Calcium	**87000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:41	1
Calcium	**96000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:20	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:41	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:41	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:41	1
Iron	ND		100	28	ug/L		07/16/13 14:18	07/18/13 18:41	1
Iron	ND		1000	280	ug/L		07/16/13 14:18	07/18/13 20:20	10
Lead	ND		10	1.5	ug/L		07/16/13 14:18	07/18/13 18:41	1
Magnesium	**55000**	**E**	1000	130	ug/L		07/16/13 14:18	07/18/13 18:41	1
Magnesium	**56000**		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:20	10
Manganese	ND		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:41	1
Nickel	ND		40	13	ug/L		07/16/13 14:18	07/18/13 18:41	1
Potassium	**4000**	**J**	5000	1700	ug/L		07/16/13 14:18	07/18/13 18:41	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:41	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:41	1
Sodium	**18000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:41	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-109-SS
Date Collected: 07/10/13 14:30
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:41	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:41	1
Zinc	**19**	**J**	20	5.2	ug/L		07/16/13 14:18	07/18/13 18:41	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 16:02	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 16:02	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:09	07/17/13 16:02	1
Barium	**66**		50	4.0	ug/L		07/16/13 14:09	07/17/13 16:02	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 16:02	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 16:02	1
Calcium	**87000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 16:02	1
Calcium	**95000**		5000	530	ug/L		07/16/13 14:09	07/17/13 17:48	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 16:02	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 16:02	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 16:02	1
Iron	ND		100	28	ug/L		07/16/13 14:09	07/17/13 16:02	1
Iron	ND		500	140	ug/L		07/16/13 14:09	07/17/13 17:48	5
Lead	**1.8**	**J**	10	1.5	ug/L		07/16/13 14:09	07/17/13 16:02	1
Magnesium	**53000**	**E**	1000	130	ug/L		07/16/13 14:09	07/17/13 16:02	1
Magnesium	**54000**		5000	660	ug/L		07/16/13 14:09	07/17/13 17:48	5
Manganese	ND		15	3.3	ug/L		07/16/13 14:09	07/17/13 16:02	1
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 16:02	1
Potassium	**4000**	**J**	5000	1700	ug/L		07/16/13 14:09	07/17/13 16:02	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 16:02	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 16:02	1
Sodium	**18000**		1000	320	ug/L		07/16/13 14:09	07/17/13 16:02	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 16:02	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 16:02	1
Zinc	**23**	**B**	20	5.2	ug/L		07/16/13 14:09	07/17/13 16:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:13	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		07/16/13 12:18	07/17/13 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.033**		0.020	0.0040	mg/L			07/11/13 20:31	1
Chloride	**3.8**		0.20	0.020	mg/L			07/11/13 20:31	1
Bromide	ND		0.25	0.025	mg/L			07/11/13 20:31	1
Iodide	ND		1.0	0.10	mg/L			07/16/13 09:36	1
Alkalinity	**440**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**34**		10	1.0	mg/L			07/11/13 20:46	20

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-205-SS
Date Collected: 07/10/13 15:38
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-9
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			07/16/13 17:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 17:59	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 17:59	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 17:59	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 17:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 17:59	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 17:59	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 17:59	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 17:59	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 17:59	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 17:59	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 17:59	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 17:59	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 17:59	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 17:59	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 17:59	1
Acetone	ND		20	6.7	ug/L			07/16/13 17:59	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 17:59	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 17:59	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 17:59	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 17:59	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 17:59	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 17:59	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 17:59	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 17:59	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 17:59	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 17:59	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 17:59	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 17:59	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 17:59	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 17:59	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 17:59	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 17:59	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 17:59	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 17:59	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 17:59	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 17:59	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 17:59	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 17:59	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 17:59	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 17:59	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 17:59	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 17:59	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 17:59	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 17:59	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 17:59	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 17:59	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 17:59	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 17:59	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-205-SS
Date Collected: 07/10/13 15:38
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-9
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*82 - 132*		*07/16/13 17:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*82 - 121*		*07/16/13 17:59*	*1*
Dibromofluoromethane (Surr)	*103*		*85 - 119*		*07/16/13 17:59*	*1*
Toluene-d8 (Surr)	*102*		*85 - 115*		*07/16/13 17:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 18:45	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:18	07/18/13 18:45	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:18	07/18/13 18:45	1
Barium	**150**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:45	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:45	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:45	1
Calcium	**100000**	**E**	1000	110	ug/L		07/16/13 14:18	07/18/13 18:45	1
Calcium	**120000**		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:24	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:45	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:45	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:45	1
Iron	**110**		100	28	ug/L		07/16/13 14:18	07/18/13 18:45	1
Iron	ND		1000	280	ug/L		07/16/13 14:18	07/18/13 20:24	10
Lead	**2.0**	**J**	10	1.5	ug/L		07/16/13 14:18	07/18/13 18:45	1
Magnesium	**59000**	**E**	1000	130	ug/L		07/16/13 14:18	07/18/13 18:45	1
Magnesium	**61000**		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:24	10
Manganese	ND		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:45	1
Nickel	ND		40	13	ug/L		07/16/13 14:18	07/18/13 18:45	1
Potassium	**1700**	**J**	5000	1700	ug/L		07/16/13 14:18	07/18/13 18:45	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 18:45	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:45	1
Sodium	**14000**		1000	320	ug/L		07/16/13 14:18	07/18/13 18:45	1
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:45	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:45	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:18	07/18/13 18:45	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 16:13	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 16:13	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:09	07/17/13 16:13	1
Barium	**150**		50	4.0	ug/L		07/16/13 14:09	07/17/13 16:13	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 16:13	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 16:13	1
Calcium	**100000**	**E**	1000	110	ug/L		07/16/13 14:09	07/17/13 16:13	1
Calcium	**110000**		5000	530	ug/L		07/16/13 14:09	07/17/13 17:52	5
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 16:13	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 16:13	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 16:13	1
Iron	ND		100	28	ug/L		07/16/13 14:09	07/17/13 16:13	1
Iron	ND		500	140	ug/L		07/16/13 14:09	07/17/13 17:52	5
Lead	**1.9**	**J**	10	1.5	ug/L		07/16/13 14:09	07/17/13 16:13	1
Magnesium	**59000**	**E**	1000	130	ug/L		07/16/13 14:09	07/17/13 16:13	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: P2-205-SS

Lab Sample ID: 160-2953-9

Date Collected: 07/10/13 15:38

Matrix: Water

Date Received: 07/11/13 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**58000**		5000	660	ug/L		07/16/13 14:09	07/17/13 17:52	5
Manganese	ND		15	3.3	ug/L		07/16/13 14:09	07/17/13 16:13	1
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 16:13	1
Potassium	**1800**	**J**	5000	1700	ug/L		07/16/13 14:09	07/17/13 16:13	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 16:13	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 16:13	1
Sodium	**14000**		1000	320	ug/L		07/16/13 14:09	07/17/13 16:13	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 16:13	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 16:13	1
Zinc	**7.4**	**J B**	20	5.2	ug/L		07/16/13 14:09	07/17/13 16:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:18	07/17/13 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.0069**	**J**	0.020	0.0040	mg/L			07/11/13 21:00	1
Bromide	**0.19**	**J**	0.25	0.025	mg/L			07/11/13 21:00	1
Iodide	ND		1.0	0.10	mg/L			07/16/13 09:51	1
Alkalinity	**430**	**B**	5.0	0.54	mg/L			07/24/13 14:09	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35**		4.0	0.40	mg/L			07/11/13 21:15	20
Sulfate	**56**		10	1.0	mg/L			07/11/13 21:15	20

Client Sample ID: DUPLICATE 02

Lab Sample ID: 160-2953-10

Date Collected: 07/10/13 00:00

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 18:26	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 18:26	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 18:26	1
1,1-Dichloroethane	**0.44**	**J**	5.0	0.39	ug/L			07/16/13 18:26	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 18:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 18:26	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 18:26	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 18:26	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 18:26	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 18:26	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 18:26	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 18:26	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 18:26	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 18:26	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: DUPLICATE 02
Date Collected: 07/10/13 00:00
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 18:26	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 18:26	1
Acetone	ND		20	6.7	ug/L			07/16/13 18:26	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 18:26	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 18:26	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 18:26	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 18:26	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 18:26	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 18:26	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 18:26	1
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 18:26	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 18:26	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 18:26	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 18:26	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 18:26	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 18:26	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 18:26	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 18:26	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 18:26	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 18:26	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 18:26	1
Methyl tert-butyl ether	**0.59**	**J**	5.0	0.40	ug/L			07/16/13 18:26	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 18:26	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 18:26	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 18:26	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 18:26	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 18:26	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 18:26	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 18:26	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 18:26	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 18:26	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 18:26	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 18:26	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 18:26	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*82 - 132*		*07/16/13 18:26*	*1*
4-Bromofluorobenzene (Surr)	*103*		*82 - 121*		*07/16/13 18:26*	*1*
Dibromofluoromethane (Surr)	*104*		*85 - 119*		*07/16/13 18:26*	*1*
Toluene-d8 (Surr)	*102*		*85 - 115*		*07/16/13 18:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 18:49	1
Antimony	**4.5**	**J**	10	4.0	ug/L		07/16/13 14:18	07/18/13 18:49	1
Arsenic	**4.9**	**J**	10	2.0	ug/L		07/16/13 14:18	07/18/13 18:49	1
Barium	**2300**		50	4.0	ug/L		07/16/13 14:18	07/18/13 18:49	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 18:49	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 18:49	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: DUPLICATE 02
Date Collected: 07/10/13 00:00
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	230000	E	1000	110	ug/L		07/16/13 14:18	07/18/13 18:49	1
Calcium	280000		10000	1100	ug/L		07/16/13 14:18	07/18/13 20:27	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 18:49	1
Cobalt	4.7	J	50	4.0	ug/L		07/16/13 14:18	07/18/13 18:49	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 18:49	1
Iron	35000		100	28	ug/L		07/16/13 14:18	07/18/13 18:49	1
Iron	35000		1000	280	ug/L		07/16/13 14:18	07/18/13 20:27	10
Lead	3.1	J	10	1.5	ug/L		07/16/13 14:18	07/18/13 18:49	1
Magnesium	85000	E	1000	130	ug/L		07/16/13 14:18	07/18/13 18:49	1
Magnesium	86000		10000	1300	ug/L		07/16/13 14:18	07/18/13 20:27	10
Manganese	640		15	3.3	ug/L		07/16/13 14:18	07/18/13 18:49	1
Nickel	20	J	40	13	ug/L		07/16/13 14:18	07/18/13 18:49	1
Potassium	29000		5000	1700	ug/L		07/16/13 14:18	07/18/13 18:49	1
Selenium	2.7	J	15	2.7	ug/L		07/16/13 14:18	07/18/13 18:49	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 18:49	1
Sodium	350000	E	1000	320	ug/L		07/16/13 14:18	07/18/13 18:49	1
Sodium	340000		10000	3200	ug/L		07/16/13 14:18	07/18/13 20:27	10
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 18:49	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 18:49	1
Zinc	8.0	J	20	5.2	ug/L		07/16/13 14:18	07/18/13 18:49	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 16:17	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 16:17	1
Arsenic	4.4	J	10	2.0	ug/L		07/16/13 14:09	07/17/13 16:17	1
Barium	2400		50	4.0	ug/L		07/16/13 14:09	07/17/13 16:17	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 16:17	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 16:17	1
Calcium	230000	E	1000	110	ug/L		07/16/13 14:09	07/17/13 16:17	1
Calcium	270000	E	5000	530	ug/L		07/16/13 14:09	07/17/13 17:56	5
Calcium	290000		10000	1100	ug/L		07/16/13 14:09	07/18/13 10:56	10
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 16:17	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 16:17	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 16:17	1
Iron	35000		100	28	ug/L		07/16/13 14:09	07/17/13 16:17	1
Iron	36000		500	140	ug/L		07/16/13 14:09	07/17/13 17:56	5
Lead	3.6	J	10	1.5	ug/L		07/16/13 14:09	07/17/13 16:17	1
Magnesium	84000	E	1000	130	ug/L		07/16/13 14:09	07/17/13 16:17	1
Magnesium	84000		5000	660	ug/L		07/16/13 14:09	07/17/13 17:56	5
Manganese	630		15	3.3	ug/L		07/16/13 14:09	07/17/13 16:17	1
Nickel	21	J	40	13	ug/L		07/16/13 14:09	07/17/13 16:17	1
Potassium	29000		5000	1700	ug/L		07/16/13 14:09	07/17/13 16:17	1
Selenium	2.8	J	15	2.7	ug/L		07/16/13 14:09	07/17/13 16:17	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 16:17	1
Sodium	360000	E	1000	320	ug/L		07/16/13 14:09	07/17/13 16:17	1
Sodium	360000		5000	1600	ug/L		07/16/13 14:09	07/17/13 17:56	5
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 16:17	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 16:17	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:09	07/17/13 16:17	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: DUPLICATE 02

Lab Sample ID: 160-2953-10

Date Collected: 07/10/13 00:00

Matrix: Water

Date Received: 07/11/13 08:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**	**J**	0.20	0.060	ug/L		07/16/13 12:06	07/16/13 16:16	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		07/16/13 12:18	07/17/13 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.020	0.0040	mg/L			07/11/13 18:36	1
Sulfate	**0.10**	**J**	0.50	0.050	mg/L			07/11/13 18:36	1
Iodide	**0.42**	**J**	1.0	0.10	mg/L			07/16/13 10:06	1

General Chemistry - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**12**		5.0	0.50	mg/L			07/11/13 18:50	20
Alkalinity	**1200**	**B**	25	2.7	mg/L			07/24/13 14:14	5

General Chemistry - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**470**		40	4.0	mg/L			07/11/13 19:05	200

Client Sample ID: TRIP BLANK

Lab Sample ID: 160-2953-11

Date Collected: 07/10/13 00:00

Matrix: Water

Date Received: 07/11/13 08:20

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			07/16/13 12:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 12:19	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 12:19	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 12:19	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 12:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 12:19	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 12:19	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 12:19	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 12:19	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 12:19	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 12:19	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 12:19	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 12:19	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 12:19	1
2-Hexanone	ND	*	20	0.59	ug/L			07/16/13 12:19	1
4-Methyl-2-pentanone (MIBK)	ND	*	20	0.33	ug/L			07/16/13 12:19	1
Acetone	ND		20	6.7	ug/L			07/16/13 12:19	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 12:19	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 12:19	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 12:19	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 12:19	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 12:19	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 12:19	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 12:19	1

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

TestAmerica Job ID: 160-2953-1

Client Sample ID: TRIP BLANK
Date Collected: 07/10/13 00:00
Date Received: 07/11/13 08:20

Lab Sample ID: 160-2953-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	*	10	0.38	ug/L			07/16/13 12:19	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 12:19	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 12:19	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 12:19	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 12:19	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 12:19	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 12:19	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 12:19	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 12:19	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 12:19	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 12:19	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 12:19	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 12:19	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 12:19	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 12:19	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 12:19	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 12:19	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 12:19	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 12:19	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 12:19	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 12:19	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 12:19	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 12:19	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 12:19	1
Xylenes, Total	ND		10	0.85	ug/L			07/16/13 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*82 - 132*		*07/16/13 12:19*	*1*
4-Bromofluorobenzene (Surr)	*102*		*82 - 121*		*07/16/13 12:19*	*1*
Dibromofluoromethane (Surr)	*100*		*85 - 119*		*07/16/13 12:19*	*1*
Toluene-d8 (Surr)	*99*		*85 - 115*		*07/16/13 12:19*	*1*

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

Lab Sample ID: MB 160-60980/2
Matrix: Water
Analysis Batch: 60980

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			07/16/13 11:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			07/16/13 11:53	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			07/16/13 11:53	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			07/16/13 11:53	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			07/16/13 11:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.55	ug/L			07/16/13 11:53	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			07/16/13 11:53	1
1,2-Dibromoethane (EDB)	ND		5.0	0.44	ug/L			07/16/13 11:53	1
1,2-Dichlorobenzene	ND		5.0	0.28	ug/L			07/16/13 11:53	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			07/16/13 11:53	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			07/16/13 11:53	1
1,3-Dichlorobenzene	ND		5.0	0.23	ug/L			07/16/13 11:53	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/L			07/16/13 11:53	1
2-Butanone (MEK)	ND		20	0.39	ug/L			07/16/13 11:53	1
2-Hexanone	ND		20	0.59	ug/L			07/16/13 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			07/16/13 11:53	1
Acetone	ND		20	6.7	ug/L			07/16/13 11:53	1
Benzene	ND		5.0	0.25	ug/L			07/16/13 11:53	1
Bromodichloromethane	ND		5.0	0.25	ug/L			07/16/13 11:53	1
Bromoform	ND		5.0	0.37	ug/L			07/16/13 11:53	1
Bromomethane	ND		10	0.40	ug/L			07/16/13 11:53	1
Carbon disulfide	ND		5.0	0.37	ug/L			07/16/13 11:53	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			07/16/13 11:53	1
Chlorobenzene	ND		5.0	0.38	ug/L			07/16/13 11:53	1
Chloroethane	ND		10	0.38	ug/L			07/16/13 11:53	1
Chloroform	ND		5.0	0.15	ug/L			07/16/13 11:53	1
Chloromethane	ND		10	0.55	ug/L			07/16/13 11:53	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			07/16/13 11:53	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/L			07/16/13 11:53	1
Cyclohexane	ND		10	0.36	ug/L			07/16/13 11:53	1
Dibromochloromethane	ND		5.0	0.33	ug/L			07/16/13 11:53	1
Dichlorodifluoromethane	ND		10	0.45	ug/L			07/16/13 11:53	1
Ethylbenzene	ND		5.0	0.30	ug/L			07/16/13 11:53	1
Isopropylbenzene	ND		5.0	0.26	ug/L			07/16/13 11:53	1
Methyl acetate	ND		25	2.3	ug/L			07/16/13 11:53	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			07/16/13 11:53	1
Methylcyclohexane	ND		10	0.26	ug/L			07/16/13 11:53	1
Methylene Chloride	ND		5.0	1.7	ug/L			07/16/13 11:53	1
m-Xylene & p-Xylene	ND		5.0	0.57	ug/L			07/16/13 11:53	1
o-Xylene	ND		5.0	0.32	ug/L			07/16/13 11:53	1
Styrene	ND		5.0	0.35	ug/L			07/16/13 11:53	1
Tetrachloroethene	ND		5.0	0.28	ug/L			07/16/13 11:53	1
Toluene	ND		5.0	1.0	ug/L			07/16/13 11:53	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			07/16/13 11:53	1
trans-1,3-Dichloropropene	ND		5.0	0.35	ug/L			07/16/13 11:53	1
Trichloroethene	ND		5.0	0.29	ug/L			07/16/13 11:53	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			07/16/13 11:53	1
Vinyl chloride	ND		5.0	0.43	ug/L			07/16/13 11:53	1

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

Lab Sample ID: MB 160-60980/2
Matrix: Water
Analysis Batch: 60980

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			07/16/13 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*82 - 132*		*07/16/13 11:53*	*1*
4-Bromofluorobenzene (Surr)	*103*		*82 - 121*		*07/16/13 11:53*	*1*
Dibromofluoromethane (Surr)	*100*		*85 - 119*		*07/16/13 11:53*	*1*
Toluene-d8 (Surr)	*102*		*85 - 115*		*07/16/13 11:53*	*1*

Lab Sample ID: LCS 160-60980/4
Matrix: Water
Analysis Batch: 60980

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-Trichloroethane	50.0	54.0		ug/L		108	85 - 115
1,1,2,2-Tetrachloroethane	50.0	52.8		ug/L		106	84 - 115
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	85 - 115
1,1-Dichloroethane	50.0	49.7		ug/L		99	85 - 115
1,1-Dichloroethene	50.0	44.9		ug/L		90	85 - 118
1,2,4-Trichlorobenzene	50.0	47.2		ug/L		94	75 - 124
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/L		99	71 - 123
1,2-Dibromoethane (EDB)	50.0	50.1		ug/L		100	85 - 115
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	85 - 115
1,2-Dichloroethane	50.0	54.6		ug/L		109	79 - 122
1,2-Dichloropropane	50.0	48.4		ug/L		97	85 - 115
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	85 - 115
1,4-Dichlorobenzene	50.0	47.1		ug/L		94	85 - 115
2-Butanone (MEK)	50.0	57.6		ug/L		115	71 - 123
2-Hexanone	50.0	65.0	*	ug/L		130	66 - 121
4-Methyl-2-pentanone (MIBK)	50.0	63.9	*	ug/L		128	74 - 123
Acetone	50.0	58.1		ug/L		116	51 - 140
Benzene	50.0	49.6		ug/L		99	85 - 115
Bromodichloromethane	50.0	52.1		ug/L		104	85 - 117
Bromoform	50.0	49.4		ug/L		99	85 - 115
Bromomethane	50.0	48.8		ug/L		98	70 - 135
Carbon disulfide	50.0	46.2		ug/L		92	85 - 123
Carbon tetrachloride	50.0	51.8		ug/L		104	85 - 118
Chlorobenzene	50.0	49.3		ug/L		99	85 - 115
Chloroethane	50.0	65.3	*	ug/L		131	75 - 125
Chloroform	50.0	51.6		ug/L		103	85 - 115
Chloromethane	50.0	47.5		ug/L		95	73 - 132
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	85 - 115
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	85 - 127
Cyclohexane	50.0	50.8		ug/L		102	73 - 115
Dibromochloromethane	50.0	48.6		ug/L		97	85 - 115
Dichlorodifluoromethane	50.0	44.9		ug/L		90	62 - 115
Ethylbenzene	50.0	52.0		ug/L		104	85 - 115
Isopropylbenzene	50.0	51.2		ug/L		102	85 - 124
Methyl acetate	250	277		ug/L		111	73 - 135

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

Lab Sample ID: LCS 160-60980/4
Matrix: Water
Analysis Batch: 60980

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	52.9		ug/L		106	73 - 115
Methylcyclohexane	50.0	51.5		ug/L		103	85 - 134
Methylene Chloride	50.0	47.1		ug/L		94	84 - 115
m-Xylene & p-Xylene	50.0	49.7		ug/L		99	85 - 115
o-Xylene	50.0	49.7		ug/L		99	85 - 115
Styrene	50.0	50.4		ug/L		101	85 - 115
Tetrachloroethene	50.0	49.0		ug/L		98	85 - 115
Toluene	50.0	50.0		ug/L		100	85 - 115
trans-1,2-Dichloroethene	50.0	46.1		ug/L		92	85 - 115
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	85 - 123
Trichloroethene	50.0	48.1		ug/L		96	85 - 115
Trichlorofluoromethane	50.0	55.4		ug/L		111	85 - 116
Vinyl chloride	50.0	47.7		ug/L		95	68 - 133
Xylenes, Total	100	99.4		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*82 - 132*
4-Bromofluorobenzene (Surr)	*100*		*82 - 121*
Dibromofluoromethane (Surr)	*99*		*85 - 119*
Toluene-d8 (Surr)	*100*		*85 - 115*

Lab Sample ID: 160-2953-1 MS
Matrix: Water
Analysis Batch: 60980

Client Sample ID: P2-201A-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		50.0	56.8		ug/L		114	85 - 118
1,1,2,2-Tetrachloroethane	ND		50.0	55.3		ug/L		111	85 - 116
1,1,2-Trichloroethane	ND		50.0	55.1		ug/L		110	85 - 115
1,1-Dichloroethane	ND		50.0	53.1		ug/L		106	85 - 115
1,1-Dichloroethene	ND		50.0	48.3		ug/L		97	85 - 118
1,2,4-Trichlorobenzene	ND		50.0	47.4		ug/L		95	75 - 124
1,2-Dibromo-3-Chloropropane	ND		50.0	54.3		ug/L		109	71 - 123
1,2-Dibromoethane (EDB)	ND		50.0	53.2		ug/L		106	85 - 115
1,2-Dichlorobenzene	ND		50.0	54.0		ug/L		108	84 - 115
1,2-Dichloroethane	ND		50.0	57.8		ug/L		116	80 - 125
1,2-Dichloropropane	ND		50.0	53.1		ug/L		106	85 - 117
1,3-Dichlorobenzene	ND		50.0	52.3		ug/L		105	84 - 115
1,4-Dichlorobenzene	ND		50.0	50.2		ug/L		100	85 - 115
2-Butanone (MEK)	ND		50.0	57.0		ug/L		114	73 - 133
2-Hexanone	ND	*	50.0	54.7		ug/L		109	66 - 121
4-Methyl-2-pentanone (MIBK)	ND	*	50.0	54.1		ug/L		108	77 - 134
Acetone	ND		50.0	61.4		ug/L		123	38 - 150
Benzene	0.38	J	50.0	53.0		ug/L		105	85 - 115
Bromodichloromethane	ND		50.0	56.0		ug/L		112	56 - 119
Bromoform	ND		50.0	50.9		ug/L		102	84 - 116
Bromomethane	ND		50.0	48.7		ug/L		97	70 - 135
Carbon disulfide	ND		50.0	51.3		ug/L		103	85 - 127

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

Lab Sample ID: 160-2953-1 MS
Matrix: Water
Analysis Batch: 60980

Client Sample ID: P2-201A-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	ND		50.0	54.5		ug/L		109	85 - 121
Chlorobenzene	ND		50.0	51.2		ug/L		102	85 - 115
Chloroethane	ND	*	50.0	65.0	F	ug/L		130	73 - 123
Chloroform	ND		50.0	55.4		ug/L		111	85 - 115
Chloromethane	ND		50.0	53.4		ug/L		107	67 - 130
cis-1,2-Dichloroethene	ND		50.0	50.7		ug/L		101	80 - 116
cis-1,3-Dichloropropene	ND		50.0	53.2		ug/L		106	85 - 124
Cyclohexane	ND		50.0	53.2		ug/L		106	73 - 115
Dibromochloromethane	ND		50.0	50.4		ug/L		101	85 - 115
Dichlorodifluoromethane	ND		50.0	55.1		ug/L		110	85 - 119
Ethylbenzene	ND		50.0	55.1		ug/L		110	85 - 115
Isopropylbenzene	ND		50.0	53.1		ug/L		106	85 - 124
Methyl acetate	ND		250	284		ug/L		114	49 - 150
Methyl tert-butyl ether	ND		50.0	55.9		ug/L		112	75 - 115
Methylcyclohexane	ND		50.0	54.8		ug/L		110	85 - 137
Methylene Chloride	ND		50.0	51.4		ug/L		103	85 - 115
m-Xylene & p-Xylene	ND		50.0	52.6		ug/L		105	85 - 115
o-Xylene	ND		50.0	51.1		ug/L		102	85 - 118
Styrene	ND		50.0	54.2		ug/L		108	85 - 115
Tetrachloroethene	ND		50.0	50.7		ug/L		101	85 - 118
Toluene	ND		50.0	50.4		ug/L		101	85 - 118
trans-1,2-Dichloroethene	ND		50.0	48.1		ug/L		96	84 - 115
trans-1,3-Dichloropropene	ND		50.0	52.4		ug/L		105	85 - 127
Trichloroethene	ND		50.0	52.8		ug/L		106	85 - 115
Trichlorofluoromethane	ND		50.0	60.6	F	ug/L		121	85 - 115
Vinyl chloride	ND		50.0	50.3		ug/L		101	63 - 129
Xylenes, Total	ND		100	104		ug/L		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*82 - 132*
4-Bromofluorobenzene (Surr)	*101*		*82 - 121*
Dibromofluoromethane (Surr)	*104*		*85 - 119*
Toluene-d8 (Surr)	*99*		*85 - 115*

Lab Sample ID: 160-2953-1 MSD
Matrix: Water
Analysis Batch: 60980

Client Sample ID: P2-201A-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-Trichloroethane	ND		50.0	54.7		ug/L		109	85 - 118	4	20
1,1,2,2-Tetrachloroethane	ND		50.0	55.7		ug/L		111	85 - 116	1	20
1,1,2-Trichloroethane	ND		50.0	55.0		ug/L		110	85 - 115	0	20
1,1-Dichloroethane	ND		50.0	51.3		ug/L		103	85 - 115	4	20
1,1-Dichloroethene	ND		50.0	48.2		ug/L		96	85 - 118	0	20
1,2,4-Trichlorobenzene	ND		50.0	50.2		ug/L		100	75 - 124	6	20
1,2-Dibromo-3-Chloropropane	ND		50.0	52.5		ug/L		105	71 - 123	3	20
1,2-Dibromoethane (EDB)	ND		50.0	50.4		ug/L		101	85 - 115	5	20
1,2-Dichlorobenzene	ND		50.0	51.8		ug/L		104	84 - 115	4	20

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

Lab Sample ID: 160-2953-1 MSD
Matrix: Water
Analysis Batch: 60980

Client Sample ID: P2-201A-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-Dichloroethane	ND		50.0	55.2		ug/L		110	80 - 125	5	20
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	85 - 117	6	20
1,3-Dichlorobenzene	ND		50.0	51.2		ug/L		102	84 - 115	2	20
1,4-Dichlorobenzene	ND		50.0	50.1		ug/L		100	85 - 115	0	20
2-Butanone (MEK)	ND		50.0	57.0		ug/L		114	73 - 133	0	20
2-Hexanone	ND	*	50.0	62.6	F	ug/L		125	66 - 121	13	20
4-Methyl-2-pentanone (MIBK)	ND	*	50.0	61.2		ug/L		122	77 - 134	12	20
Acetone	ND		50.0	53.2		ug/L		106	38 - 150	14	20
Benzene	0.38	J	50.0	51.5		ug/L		102	85 - 115	3	20
Bromodichloromethane	ND		50.0	53.7		ug/L		107	56 - 119	4	20
Bromoform	ND		50.0	51.2		ug/L		102	84 - 116	1	20
Bromomethane	ND		50.0	54.9		ug/L		110	70 - 135	12	20
Carbon disulfide	ND		50.0	52.2		ug/L		104	85 - 127	2	20
Carbon tetrachloride	ND		50.0	52.3		ug/L		105	85 - 121	4	20
Chlorobenzene	ND		50.0	50.5		ug/L		101	85 - 115	1	20
Chloroethane	ND	*	50.0	63.1	F	ug/L		126	73 - 123	3	20
Chloroform	ND		50.0	52.0		ug/L		104	85 - 115	6	20
Chloromethane	ND		50.0	54.2		ug/L		108	67 - 130	2	20
cis-1,2-Dichloroethene	ND		50.0	48.1		ug/L		96	80 - 116	5	20
cis-1,3-Dichloropropene	ND		50.0	51.0		ug/L		102	85 - 124	4	20
Cyclohexane	ND		50.0	50.5		ug/L		101	73 - 115	5	20
Dibromochloromethane	ND		50.0	51.0		ug/L		102	85 - 115	1	20
Dichlorodifluoromethane	ND		50.0	54.3		ug/L		109	85 - 119	1	20
Ethylbenzene	ND		50.0	53.4		ug/L		107	85 - 115	3	20
Isopropylbenzene	ND		50.0	53.1		ug/L		106	85 - 124	0	20
Methyl acetate	ND		250	279		ug/L		112	49 - 150	2	20
Methyl tert-butyl ether	ND		50.0	54.0		ug/L		108	75 - 115	3	20
Methylcyclohexane	ND		50.0	52.4		ug/L		105	85 - 137	4	20
Methylene Chloride	ND		50.0	49.9		ug/L		100	85 - 115	3	20
m-Xylene & p-Xylene	ND		50.0	50.8		ug/L		102	85 - 115	4	20
o-Xylene	ND		50.0	50.3		ug/L		101	85 - 118	2	20
Styrene	ND		50.0	51.5		ug/L		103	85 - 115	5	20
Tetrachloroethene	ND		50.0	49.9		ug/L		100	85 - 118	1	20
Toluene	ND		50.0	51.1		ug/L		102	85 - 118	1	20
trans-1,2-Dichloroethene	ND		50.0	47.6		ug/L		95	84 - 115	1	20
trans-1,3-Dichloropropene	ND		50.0	49.6		ug/L		99	85 - 127	5	20
Trichloroethene	ND		50.0	50.8		ug/L		102	85 - 115	4	20
Trichlorofluoromethane	ND		50.0	58.3	F	ug/L		117	85 - 115	4	20
Vinyl chloride	ND		50.0	53.4		ug/L		107	63 - 129	6	20
Xylenes, Total	ND		100	101		ug/L		101	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*82 - 132*
4-Bromofluorobenzene (Surr)	*99*		*82 - 121*
Dibromofluoromethane (Surr)	*100*		*85 - 119*
Toluene-d8 (Surr)	*98*		*85 - 115*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 160-60807/1-A
Matrix: Water
Analysis Batch: 61388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:09	07/17/13 15:27	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:09	07/17/13 15:27	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:09	07/17/13 15:27	1
Barium	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:27	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:09	07/17/13 15:27	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:09	07/17/13 15:27	1
Calcium	ND		1000	110	ug/L		07/16/13 14:09	07/17/13 15:27	1
Chromium	ND		10	3.1	ug/L		07/16/13 14:09	07/17/13 15:27	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:09	07/17/13 15:27	1
Copper	ND		25	4.6	ug/L		07/16/13 14:09	07/17/13 15:27	1
Iron	ND		100	28	ug/L		07/16/13 14:09	07/17/13 15:27	1
Lead	ND		10	1.5	ug/L		07/16/13 14:09	07/17/13 15:27	1
Magnesium	ND		1000	130	ug/L		07/16/13 14:09	07/17/13 15:27	1
Manganese	ND		15	3.3	ug/L		07/16/13 14:09	07/17/13 15:27	1
Nickel	ND		40	13	ug/L		07/16/13 14:09	07/17/13 15:27	1
Potassium	ND		5000	1700	ug/L		07/16/13 14:09	07/17/13 15:27	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:09	07/17/13 15:27	1
Silver	ND		10	6.0	ug/L		07/16/13 14:09	07/17/13 15:27	1
Sodium	ND		1000	320	ug/L		07/16/13 14:09	07/17/13 15:27	1
Thallium	ND	^	20	4.0	ug/L		07/16/13 14:09	07/17/13 15:27	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:09	07/17/13 15:27	1
Zinc	7.10	J	20	5.2	ug/L		07/16/13 14:09	07/17/13 15:27	1

Lab Sample ID: LCS 160-60807/2-A
Matrix: Water
Analysis Batch: 61388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9750		ug/L		98	80 - 120
Antimony	500	517		ug/L		103	80 - 120
Arsenic	1000	1040		ug/L		104	80 - 120
Barium	1000	1010		ug/L		101	80 - 120
Beryllium	1000	1010		ug/L		101	80 - 120
Cadmium	1000	1050		ug/L		105	80 - 120
Calcium	10000	10700		ug/L		107	80 - 120
Chromium	1000	1070		ug/L		107	80 - 120
Cobalt	1000	1090		ug/L		109	80 - 120
Copper	1000	1050		ug/L		105	80 - 120
Iron	10000	10100		ug/L		101	80 - 120
Lead	1000	1100		ug/L		110	80 - 120
Magnesium	10000	10200		ug/L		102	80 - 120
Manganese	1000	1010		ug/L		101	80 - 120
Nickel	1000	1090		ug/L		109	80 - 120
Potassium	10000	9870		ug/L		99	80 - 120
Selenium	1000	1040		ug/L		104	80 - 120
Silver	100	93.7		ug/L		94	80 - 120
Sodium	10000	9900		ug/L		99	80 - 120
Thallium	200	233	^	ug/L		117	80 - 120

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

Lab Sample ID: LCS 160-60807/2-A
Matrix: Water
Analysis Batch: 61388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	1000	994		ug/L		99	80 - 120
Zinc	1000	1050		ug/L		105	80 - 120

Lab Sample ID: MB 160-60809/1-A
Matrix: Water
Analysis Batch: 61576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	80	ug/L		07/16/13 14:18	07/18/13 17:59	1
Antimony	ND		10	4.0	ug/L		07/16/13 14:18	07/18/13 17:59	1
Arsenic	ND		10	2.0	ug/L		07/16/13 14:18	07/18/13 17:59	1
Barium	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 17:59	1
Beryllium	ND		5.0	0.61	ug/L		07/16/13 14:18	07/18/13 17:59	1
Cadmium	ND		5.0	0.91	ug/L		07/16/13 14:18	07/18/13 17:59	1
Calcium	ND		1000	110	ug/L		07/16/13 14:18	07/18/13 17:59	1
Chromium	ND		10	3.1	ug/L		07/16/13 14:18	07/18/13 17:59	1
Cobalt	ND		50	4.0	ug/L		07/16/13 14:18	07/18/13 17:59	1
Copper	ND		25	4.6	ug/L		07/16/13 14:18	07/18/13 17:59	1
Iron	ND		100	28	ug/L		07/16/13 14:18	07/18/13 17:59	1
Lead	ND		10	1.5	ug/L		07/16/13 14:18	07/18/13 17:59	1
Magnesium	ND		1000	130	ug/L		07/16/13 14:18	07/18/13 17:59	1
Manganese	ND		15	3.3	ug/L		07/16/13 14:18	07/18/13 17:59	1
Nickel	ND		40	13	ug/L		07/16/13 14:18	07/18/13 17:59	1
Potassium	ND		5000	1700	ug/L		07/16/13 14:18	07/18/13 17:59	1
Selenium	ND		15	2.7	ug/L		07/16/13 14:18	07/18/13 17:59	1
Silver	ND		10	6.0	ug/L		07/16/13 14:18	07/18/13 17:59	1
Sodium	ND		1000	320	ug/L		07/16/13 14:18	07/18/13 17:59	1
Thallium	ND		20	4.0	ug/L		07/16/13 14:18	07/18/13 17:59	1
Vanadium	ND		50	4.1	ug/L		07/16/13 14:18	07/18/13 17:59	1
Zinc	ND		20	5.2	ug/L		07/16/13 14:18	07/18/13 17:59	1

Lab Sample ID: LCS 160-60809/2-A
Matrix: Water
Analysis Batch: 61576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9930		ug/L		99	80 - 120
Antimony	500	534		ug/L		107	80 - 120
Arsenic	1000	1050		ug/L		105	80 - 120
Barium	1000	1030		ug/L		103	80 - 120
Beryllium	1000	1040		ug/L		104	80 - 120
Cadmium	1000	1070		ug/L		107	80 - 120
Calcium	10000	10600		ug/L		106	80 - 120
Chromium	1000	1090		ug/L		109	80 - 120
Cobalt	1000	1100		ug/L		110	80 - 120
Copper	1000	1070		ug/L		107	80 - 120
Iron	10000	10500		ug/L		105	80 - 120
Lead	1000	1120		ug/L		112	80 - 120
Magnesium	10000	10400		ug/L		104	80 - 120

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

Lab Sample ID: LCS 160-60809/2-A
Matrix: Water
Analysis Batch: 61576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	1000	1040		ug/L		104	80 - 120
Nickel	1000	1100		ug/L		110	80 - 120
Potassium	10000	10100		ug/L		101	80 - 120
Selenium	1000	1060		ug/L		106	80 - 120
Silver	100	89.3		ug/L		89	80 - 120
Sodium	10000	9830		ug/L		98	80 - 120
Thallium	200	235		ug/L		118	80 - 120
Vanadium	1000	1010		ug/L		101	80 - 120
Zinc	1000	1070		ug/L		107	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 160-60784/1-A
Matrix: Water
Analysis Batch: 60965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:06	07/16/13 15:32	1

Lab Sample ID: LCS 160-60784/2-A
Matrix: Water
Analysis Batch: 60965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.70		ug/L		114	80 - 120

Lab Sample ID: MB 160-60791/1-A
Matrix: Water
Analysis Batch: 61008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/16/13 12:18	07/17/13 10:26	1

Lab Sample ID: LCS 160-60791/2-A
Matrix: Water
Analysis Batch: 61008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.36		ug/L		107	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 160-60824/58
Matrix: Water
Analysis Batch: 60824

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			07/16/13 03:23	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 160-60824/59
Matrix: Water
Analysis Batch: 60824

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

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

Lab Sample ID: 160-2953-1 MS
Matrix: Water
Analysis Batch: 60824

Client Sample ID: P2-201A-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	4.04		mg/L		101	90 - 110

Lab Sample ID: MB 160-61033/3
Matrix: Water
Analysis Batch: 61033

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			07/11/13 12:36	1
Chloride	ND		0.20	0.020	mg/L			07/11/13 12:36	1
Bromide	ND		0.25	0.025	mg/L			07/11/13 12:36	1
Sulfate	ND		0.50	0.050	mg/L			07/11/13 12:36	1

Lab Sample ID: LCS 160-61033/4
Matrix: Water
Analysis Batch: 61033

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	0.391		mg/L		98	90 - 110
Chloride	2.00	1.93		mg/L		97	90 - 110
Bromide	2.00	1.92		mg/L		96	90 - 110
Sulfate	8.00	7.72		mg/L		97	90 - 110

Lab Sample ID: 160-2953-1 MS
Matrix: Water
Analysis Batch: 61033

Client Sample ID: P2-201A-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.33		0.400	0.716		mg/L		95	90 - 110
Chloride	4.1		2.00	6.09		mg/L		100	90 - 110
Bromide	ND		2.00	2.06		mg/L		103	90 - 110

Lab Sample ID: 160-2953-1 DU
Matrix: Water
Analysis Batch: 61033

Client Sample ID: P2-201A-SS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	0.33		0.325		mg/L		3	20
Chloride	4.1		4.07		mg/L		0.4	20
Bromide	ND		ND		mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 160-2953-1 MS — **Client Sample ID: P2-201A-SS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 61033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate - DL	65		80.0	142		mg/L		97	90 - 110

Lab Sample ID: 160-2953-1 DU — **Client Sample ID: P2-201A-SS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 61033

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate - DL	65		65.8		mg/L		2	20

Method: 310.1 - Alkalinity

Lab Sample ID: MB 160-62483/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 62483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	0.250	J	1.3	0.14	mg/L			07/24/13 14:09	1

Lab Sample ID: LCS 160-62483/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 62483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	400	381		mg/L		95	90 - 110

Lab Sample ID: LLCS 160-62483/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 62483

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	200	193		mg/L		97	90 - 110

Lab Sample ID: 160-2953-1 MS — **Client Sample ID: P2-201A-SS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 62483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	400	B	20.0	414	4	mg/L		95	80 - 120

Lab Sample ID: 160-2953-1 DU — **Client Sample ID: P2-201A-SS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 62483

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	400	B	396		mg/L		0.3	20

GC/MS VOA

Analysis Batch: 60980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	8260C	
160-2953-1 MS	P2-201A-SS	Total/NA	Water	8260C	
160-2953-1 MSD	P2-201A-SS	Total/NA	Water	8260C	
160-2953-2	D-85	Total/NA	Water	8260C	
160-2953-3	P2-106-SD	Total/NA	Water	8260C	
160-2953-4	S-84	Total/NA	Water	8260C	
160-2953-5	P2-106-SS	Total/NA	Water	8260C	
160-2953-6	P2-113-AD	Total/NA	Water	8260C	
160-2953-7	P2-113-AS	Total/NA	Water	8260C	
160-2953-8	P2-109-SS	Total/NA	Water	8260C	
160-2953-9	P2-205-SS	Total/NA	Water	8260C	
160-2953-10	DUPLICATE 02	Total/NA	Water	8260C	
160-2953-11	TRIP BLANK	Total/NA	Water	8260C	
LCS 160-60980/4	Lab Control Sample	Total/NA	Water	8260C	
MB 160-60980/2	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 60784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	7470A	
160-2953-2	D-85	Total/NA	Water	7470A	
160-2953-3	P2-106-SD	Total/NA	Water	7470A	
160-2953-4	S-84	Total/NA	Water	7470A	
160-2953-5	P2-106-SS	Total/NA	Water	7470A	
160-2953-6	P2-113-AD	Total/NA	Water	7470A	
160-2953-7	P2-113-AS	Total/NA	Water	7470A	
160-2953-8	P2-109-SS	Total/NA	Water	7470A	
160-2953-9	P2-205-SS	Total/NA	Water	7470A	
160-2953-10	DUPLICATE 02	Total/NA	Water	7470A	
LCS 160-60784/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-60784/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 60791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Dissolved	Water	7470A	
160-2953-2	D-85	Dissolved	Water	7470A	
160-2953-3	P2-106-SD	Dissolved	Water	7470A	
160-2953-4	S-84	Dissolved	Water	7470A	
160-2953-5	P2-106-SS	Dissolved	Water	7470A	
160-2953-6	P2-113-AD	Dissolved	Water	7470A	
160-2953-7	P2-113-AS	Dissolved	Water	7470A	
160-2953-8	P2-109-SS	Dissolved	Water	7470A	
160-2953-9	P2-205-SS	Dissolved	Water	7470A	
160-2953-10	DUPLICATE 02	Dissolved	Water	7470A	
LCS 160-60791/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 160-60791/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 60807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Dissolved	Water	3010A	
160-2953-2	D-85	Dissolved	Water	3010A	
160-2953-3	P2-106-SD	Dissolved	Water	3010A	
160-2953-4	S-84	Dissolved	Water	3010A	
160-2953-5	P2-106-SS	Dissolved	Water	3010A	
160-2953-6	P2-113-AD	Dissolved	Water	3010A	
160-2953-7	P2-113-AS	Dissolved	Water	3010A	
160-2953-8	P2-109-SS	Dissolved	Water	3010A	
160-2953-9	P2-205-SS	Dissolved	Water	3010A	
160-2953-10	DUPLICATE 02	Dissolved	Water	3010A	
LCS 160-60807/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-60807/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 60809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	3010A	
160-2953-2	D-85	Total/NA	Water	3010A	
160-2953-3	P2-106-SD	Total/NA	Water	3010A	
160-2953-4	S-84	Total/NA	Water	3010A	
160-2953-5	P2-106-SS	Total/NA	Water	3010A	
160-2953-6	P2-113-AD	Total/NA	Water	3010A	
160-2953-7	P2-113-AS	Total/NA	Water	3010A	
160-2953-8	P2-109-SS	Total/NA	Water	3010A	
160-2953-9	P2-205-SS	Total/NA	Water	3010A	
160-2953-10	DUPLICATE 02	Total/NA	Water	3010A	
LCS 160-60809/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 160-60809/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 60965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	7470A	60784
160-2953-2	D-85	Total/NA	Water	7470A	60784
160-2953-3	P2-106-SD	Total/NA	Water	7470A	60784
160-2953-4	S-84	Total/NA	Water	7470A	60784
160-2953-5	P2-106-SS	Total/NA	Water	7470A	60784
160-2953-6	P2-113-AD	Total/NA	Water	7470A	60784
160-2953-7	P2-113-AS	Total/NA	Water	7470A	60784
160-2953-8	P2-109-SS	Total/NA	Water	7470A	60784
160-2953-9	P2-205-SS	Total/NA	Water	7470A	60784
160-2953-10	DUPLICATE 02	Total/NA	Water	7470A	60784
LCS 160-60784/2-A	Lab Control Sample	Total/NA	Water	7470A	60784
MB 160-60784/1-A	Method Blank	Total/NA	Water	7470A	60784

Analysis Batch: 61008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Dissolved	Water	7470A	60791
160-2953-2	D-85	Dissolved	Water	7470A	60791
160-2953-3	P2-106-SD	Dissolved	Water	7470A	60791
160-2953-4	S-84	Dissolved	Water	7470A	60791
160-2953-5	P2-106-SS	Dissolved	Water	7470A	60791
160-2953-6	P2-113-AD	Dissolved	Water	7470A	60791

Metals (Continued)

Analysis Batch: 61008 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-7	P2-113-AS	Dissolved	Water	7470A	60791
160-2953-8	P2-109-SS	Dissolved	Water	7470A	60791
160-2953-9	P2-205-SS	Dissolved	Water	7470A	60791
160-2953-10	DUPLICATE 02	Dissolved	Water	7470A	60791
LCS 160-60791/2-A	Lab Control Sample	Total/NA	Water	7470A	60791
MB 160-60791/1-A	Method Blank	Total/NA	Water	7470A	60791

Analysis Batch: 61388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Dissolved	Water	6010C	60807
160-2953-1	P2-201A-SS	Dissolved	Water	6010C	60807
160-2953-2	D-85	Dissolved	Water	6010C	60807
160-2953-2	D-85	Dissolved	Water	6010C	60807
160-2953-3	P2-106-SD	Dissolved	Water	6010C	60807
160-2953-3	P2-106-SD	Dissolved	Water	6010C	60807
160-2953-4	S-84	Dissolved	Water	6010C	60807
160-2953-4	S-84	Dissolved	Water	6010C	60807
160-2953-5	P2-106-SS	Dissolved	Water	6010C	60807
160-2953-5	P2-106-SS	Dissolved	Water	6010C	60807
160-2953-6	P2-113-AD	Dissolved	Water	6010C	60807
160-2953-6	P2-113-AD	Dissolved	Water	6010C	60807
160-2953-7	P2-113-AS	Dissolved	Water	6010C	60807
160-2953-7	P2-113-AS	Dissolved	Water	6010C	60807
160-2953-8	P2-109-SS	Dissolved	Water	6010C	60807
160-2953-8	P2-109-SS	Dissolved	Water	6010C	60807
160-2953-9	P2-205-SS	Dissolved	Water	6010C	60807
160-2953-9	P2-205-SS	Dissolved	Water	6010C	60807
160-2953-10	DUPLICATE 02	Dissolved	Water	6010C	60807
160-2953-10	DUPLICATE 02	Dissolved	Water	6010C	60807
LCS 160-60807/2-A	Lab Control Sample	Total/NA	Water	6010C	60807
MB 160-60807/1-A	Method Blank	Total/NA	Water	6010C	60807

Analysis Batch: 61428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-2	D-85	Dissolved	Water	6010C	60807
160-2953-5	P2-106-SS	Dissolved	Water	6010C	60807
160-2953-6	P2-113-AD	Dissolved	Water	6010C	60807
160-2953-10	DUPLICATE 02	Dissolved	Water	6010C	60807

Analysis Batch: 61576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	6010C	60809
160-2953-1	P2-201A-SS	Total/NA	Water	6010C	60809
160-2953-2	D-85	Total/NA	Water	6010C	60809
160-2953-2	D-85	Total/NA	Water	6010C	60809
160-2953-3	P2-106-SD	Total/NA	Water	6010C	60809
160-2953-3	P2-106-SD	Total/NA	Water	6010C	60809
160-2953-4	S-84	Total/NA	Water	6010C	60809
160-2953-4	S-84	Total/NA	Water	6010C	60809
160-2953-5	P2-106-SS	Total/NA	Water	6010C	60809
160-2953-5	P2-106-SS	Total/NA	Water	6010C	60809

Metals (Continued)

Analysis Batch: 61576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-6	P2-113-AD	Total/NA	Water	6010C	60809
160-2953-6	P2-113-AD	Total/NA	Water	6010C	60809
160-2953-7	P2-113-AS	Total/NA	Water	6010C	60809
160-2953-7	P2-113-AS	Total/NA	Water	6010C	60809
160-2953-8	P2-109-SS	Total/NA	Water	6010C	60809
160-2953-8	P2-109-SS	Total/NA	Water	6010C	60809
160-2953-9	P2-205-SS	Total/NA	Water	6010C	60809
160-2953-9	P2-205-SS	Total/NA	Water	6010C	60809
160-2953-10	DUPLICATE 02	Total/NA	Water	6010C	60809
160-2953-10	DUPLICATE 02	Total/NA	Water	6010C	60809
LCS 160-60809/2-A	Lab Control Sample	Total/NA	Water	6010C	60809
MB 160-60809/1-A	Method Blank	Total/NA	Water	6010C	60809

General Chemistry

Analysis Batch: 60824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	300.0	
160-2953-1 MS	P2-201A-SS	Total/NA	Water	300.0	
160-2953-2	D-85	Total/NA	Water	300.0	
160-2953-3	P2-106-SD	Total/NA	Water	300.0	
160-2953-4	S-84	Total/NA	Water	300.0	
160-2953-5	P2-106-SS	Total/NA	Water	300.0	
160-2953-6	P2-113-AD	Total/NA	Water	300.0	
160-2953-7	P2-113-AS	Total/NA	Water	300.0	
160-2953-8	P2-109-SS	Total/NA	Water	300.0	
160-2953-9	P2-205-SS	Total/NA	Water	300.0	
160-2953-10	DUPLICATE 02	Total/NA	Water	300.0	
LCS 160-60824/59	Lab Control Sample	Total/NA	Water	300.0	
MB 160-60824/58	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 61033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	300.0	
160-2953-1 - DL	P2-201A-SS	Total/NA	Water	300.0	
160-2953-1 DU	P2-201A-SS	Total/NA	Water	300.0	
160-2953-1 DU - DL	P2-201A-SS	Total/NA	Water	300.0	
160-2953-1 MS	P2-201A-SS	Total/NA	Water	300.0	
160-2953-1 MS - DL	P2-201A-SS	Total/NA	Water	300.0	
160-2953-2	D-85	Total/NA	Water	300.0	
160-2953-2 - DL	D-85	Total/NA	Water	300.0	
160-2953-3	P2-106-SD	Total/NA	Water	300.0	
160-2953-3 - DL	P2-106-SD	Total/NA	Water	300.0	
160-2953-4	S-84	Total/NA	Water	300.0	
160-2953-4 - DL	S-84	Total/NA	Water	300.0	
160-2953-5	P2-106-SS	Total/NA	Water	300.0	
160-2953-5 - DL	P2-106-SS	Total/NA	Water	300.0	
160-2953-6	P2-113-AD	Total/NA	Water	300.0	
160-2953-6 - DL	P2-113-AD	Total/NA	Water	300.0	
160-2953-6 - DL2	P2-113-AD	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 61033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-7	P2-113-AS	Total/NA	Water	300.0	
160-2953-7 - DL2	P2-113-AS	Total/NA	Water	300.0	
160-2953-8	P2-109-SS	Total/NA	Water	300.0	
160-2953-8 - DL	P2-109-SS	Total/NA	Water	300.0	
160-2953-9	P2-205-SS	Total/NA	Water	300.0	
160-2953-9 - DL	P2-205-SS	Total/NA	Water	300.0	
160-2953-10	DUPLICATE 02	Total/NA	Water	300.0	
160-2953-10 - DL	DUPLICATE 02	Total/NA	Water	300.0	
160-2953-10 - DL2	DUPLICATE 02	Total/NA	Water	300.0	
LCS 160-61033/4	Lab Control Sample	Total/NA	Water	300.0	
MB 160-61033/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 62483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-2953-1	P2-201A-SS	Total/NA	Water	310.1	
160-2953-1 DU	P2-201A-SS	Total/NA	Water	310.1	
160-2953-1 MS	P2-201A-SS	Total/NA	Water	310.1	
160-2953-2	D-85	Total/NA	Water	310.1	
160-2953-3	P2-106-SD	Total/NA	Water	310.1	
160-2953-4	S-84	Total/NA	Water	310.1	
160-2953-5	P2-106-SS	Total/NA	Water	310.1	
160-2953-6 - DL	P2-113-AD	Total/NA	Water	310.1	
160-2953-7	P2-113-AS	Total/NA	Water	310.1	
160-2953-8	P2-109-SS	Total/NA	Water	310.1	
160-2953-9	P2-205-SS	Total/NA	Water	310.1	
160-2953-10 - DL	DUPLICATE 02	Total/NA	Water	310.1	
LCS 160-62483/3	Lab Control Sample	Total/NA	Water	310.1	
LLCS 160-62483/2	Lab Control Sample	Total/NA	Water	310.1	
MB 160-62483/1	Method Blank	Total/NA	Water	310.1	

Surrogate Summary

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

TestAmerica Job ID: 160-2953-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(82-132)	(82-121)	(85-119)	(85-115)
160-2953-1	P2-201A-SS	116	101	103	99
160-2953-1 MS	P2-201A-SS	110	101	104	99
160-2953-1 MSD	P2-201A-SS	109	99	100	98
160-2953-2	D-85	116	106	102	103
160-2953-3	P2-106-SD	119	104	105	102
160-2953-4	S-84	115	101	102	100
160-2953-5	P2-106-SS	113	101	100	103
160-2953-6	P2-113-AD	116	102	105	101
160-2953-7	P2-113-AS	117	99	101	96
160-2953-8	P2-109-SS	120	105	107	105
160-2953-9	P2-205-SS	119	102	103	102
160-2953-10	DUPLICATE 02	118	103	104	102
160-2953-11	TRIP BLANK	114	102	100	99
LCS 160-60980/4	Lab Control Sample	112	100	99	100
MB 160-60980/2	Method Blank	117	103	100	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)