A·C·C ENVIRONMENTAL CONSULTANTS
An Employee Owned Company

April 18, 2014

Mr. Jerry Wickham
Senior Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

c/o

Ms. Jan Shipley
Construction Supervisor
Livermore Valley Joint Unified School District
685 East Jack London Boulevard
Livermore, CA 94551

RE: Groundwater Monitoring Well Destruction & Case Closure Finalization
2900 Ladd Avenue
Livermore, California
ACEH Fuel Leak Case No. RO0000188
GeoTracker Global ID T0600100844
ACC Project Number 3054-103.05

Dear Mr. Wickham,

ACC Environmental Consultants, Inc., (ACC) would like to present the details of the groundwater monitoring well destruction for 2900 Ladd Avenue in Livermore, California. If you have any questions regarding this report or the findings of the work, please contact 510.638.8400 x118 or jsiudyla@accenv.com.

Groundwater Monitoring Well Destruction

On February 27, 2013, monitoring wells MW-5 and MW-6A were destroyed in accordance with Zone 7 Water District regulations. A permit for the well destruction was obtained from Zone 7 and is attached as Appendix A. The former well locations are shown on the attached Figure 2. Cascade Drilling (C57# 938110) was retained to drill out the groundwater monitoring wells using an eight inch-diameter hollow-stem auger rig.

Soil cuttings brought to the surface by the auger flights were placed in four (4) 55-gallon steel drums. The drums were sealed, labeled and stored on-site pending analytical results and profiling. Soil samples were collected from the soil cuttings for purposes of waste characterization. Laboratory reports are attached as Appendix B. Manifests for the drum disposal are attached as Appendix C.

The borings were subsequently backfilled to just below surface grade with neat cement slurry (94 pounds of neat cement per 5-6 gallons of potable water). The hollow-stem augurs where used to tremie grout the borings from the bottom to the surface. Upon observing that the slurry used for backfill was stable, the borings were finished to surface grade with concrete.

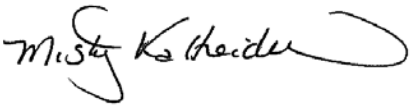
The DWR Well Completion Reports for MW-6 and MW-6A (Appendix D) were signed by Cascade Drilling (C57 # 938110) and submitted to the Zone 7 Water Agency per the well permit.

If you have any questions or concerns please feel free to contact me (510)-638-8400 extension 118.

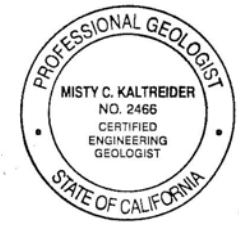
Sincerely,

Julia Siudyla
Project Geologist

And

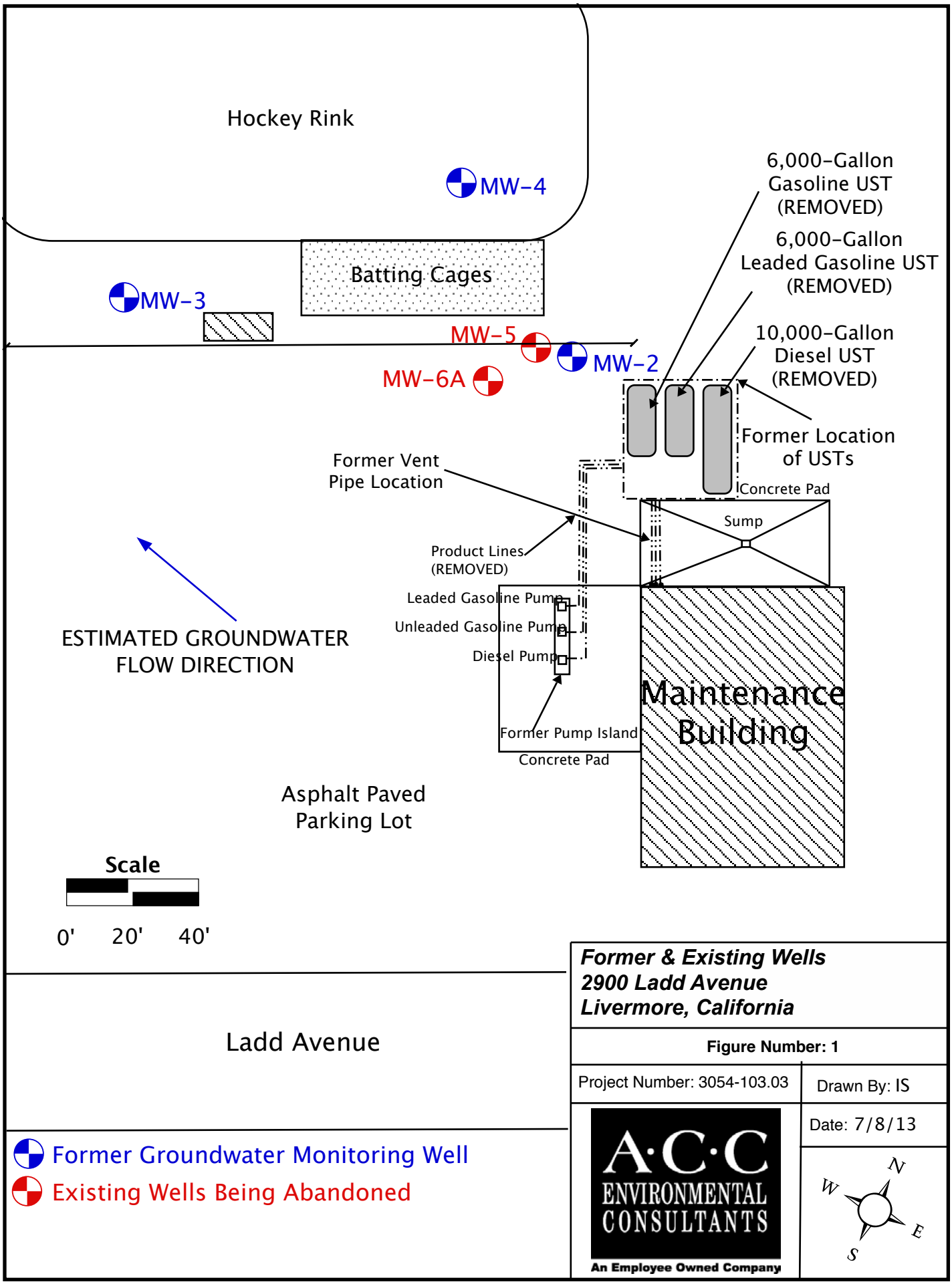


Misty Kaltreider
Licensed Professional Geologist



Source: Google Earth, 2011

Title ***Site Location Map 2900 Ladd Avenue Livermore, California***	
Figure Number: 1	Scale: None
Project Number: 3054-103.01	Drawn By: JS
A·C·C ENVIRONMENTAL CONSULTANTS An Employee Owned Company	Date: 4/7/11 N W E S


Hockey Rink
MW-4
Batting Cages
MW-3
MW-5
MW-2
MW-6A
6,000-Gallon Gasoline UST (REMOVED)
6,000-Gallon Leaded Gasoline UST (REMOVED)
10,000-Gallon Diesel UST (REMOVED)
Former Location of USTs
Concrete Pad
Former Vent Pipe Location
Sump
Product Lines (REMOVED)
Leaded Gasoline Pump
Unleaded Gasoline Pump
Diesel Pump
Former Pump Island
Concrete Pad
Maintenance Building
ESTIMATED GROUNDWATER FLOW DIRECTION
Asphalt Paved Parking Lot
Scale
0'
20'
40'
Ladd Avenue
Former Groundwater Monitoring Well
Existing Wells Being Abandoned
Former & Existing Wells
2900 Ladd Avenue
Livermore, California
Figure Number: 1
Project Number: 3054-103.03
Drawn By: IS
Date: 7/8/13
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An Employee Owned Company
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ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2900 LADD Avenue
Livermore CA

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

CLIENT
Name Livermore Joint Unified School District
Address _____ Phone _____
City _____ Zip _____

APPLICANT
Name ACC Environmental Consultants
Email JSindya@accenv.com Fax 510 638 8464
Address 7977 Capwell Dr Phone 510 638 8400 x118
City Oakland CA Zip 94621

TYPE OF PROJECT:

Well Construction	__	Geotechnical Investigation	__
Well Destruction	X	Contamination Investigation	__
Cathodic Protection	__	Other _____	__

PROPOSED WELL USE:

Domestic	__	Irrigation	__
Municipal	__	Remediation	__
Industrial	__	Groundwater Monitoring	X WELL Destruction
Dewatering	__	Other _____	__

DRILLING METHOD:

Mud Rotary	__	Air Rotary	__	Hollow Stem Auger	X
Cable Tool	__	Direct Push	__	Other _____	__

DRILLING COMPANY CASCADE DRILLING

DRILLER'S LICENSE NO. C-57 938110

WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum
Casing Diameter N/A in. Depth 30 ft.
Surface Seal Depth N/A ft. Number 2

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ In. Depth _____ ft.

ESTIMATED STARTING DATE 2-17-14
ESTIMATED COMPLETION DATE _____

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 2-5-14

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2014022
WELL NUMBER 3S/2E-9L10 (MW-5) & 3S/2E-9L14 (MW-6A)
APN 98-0264-001-17

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 2/13/14
Wyman Hong

Revised: January 4, 2010

February 14, 2014

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

Livermore Joint Unified School District
2900 Ladd Avenue
Livermore
Wells 3S/2E-9L10 (MW-5) and 3S/2E-9L14 (MW-6A)
Permit 2014021

Destruction Requirements:

1. Remove from the well any pump, appurtenances, debris, or other materials.

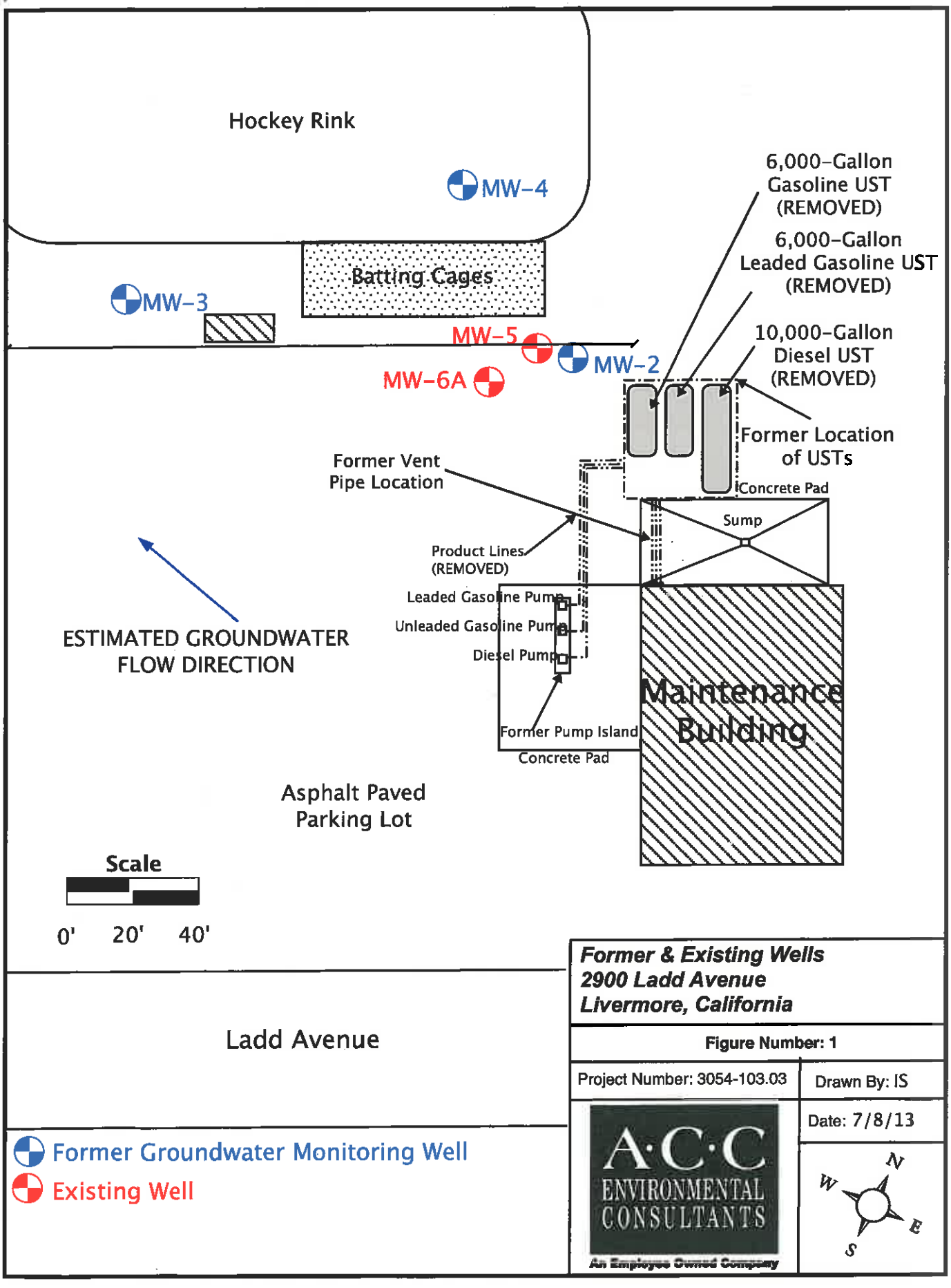
2. Sound the well as deeply as practicable and record for your report.

3. Fill casing with neat cement or cement grout sealing material to two feet below the finished grade and pressurize to 25 psi and maintain for 5 minutes, forcing the sealing material through the existing perforations and into the surrounding formation.

4. Release the pressure and refill the empty portion of the casing with grouting material allowing it to spill over the top of the casing to form a cap.

5. Cut and remove any casing(s) to two feet below the finished grade or original ground, whichever is the lower elevation (optional).

6. After seal has set, backfill the remaining hole with compacted material.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Batting Cages
MW-3
MW-5
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Concrete Pad
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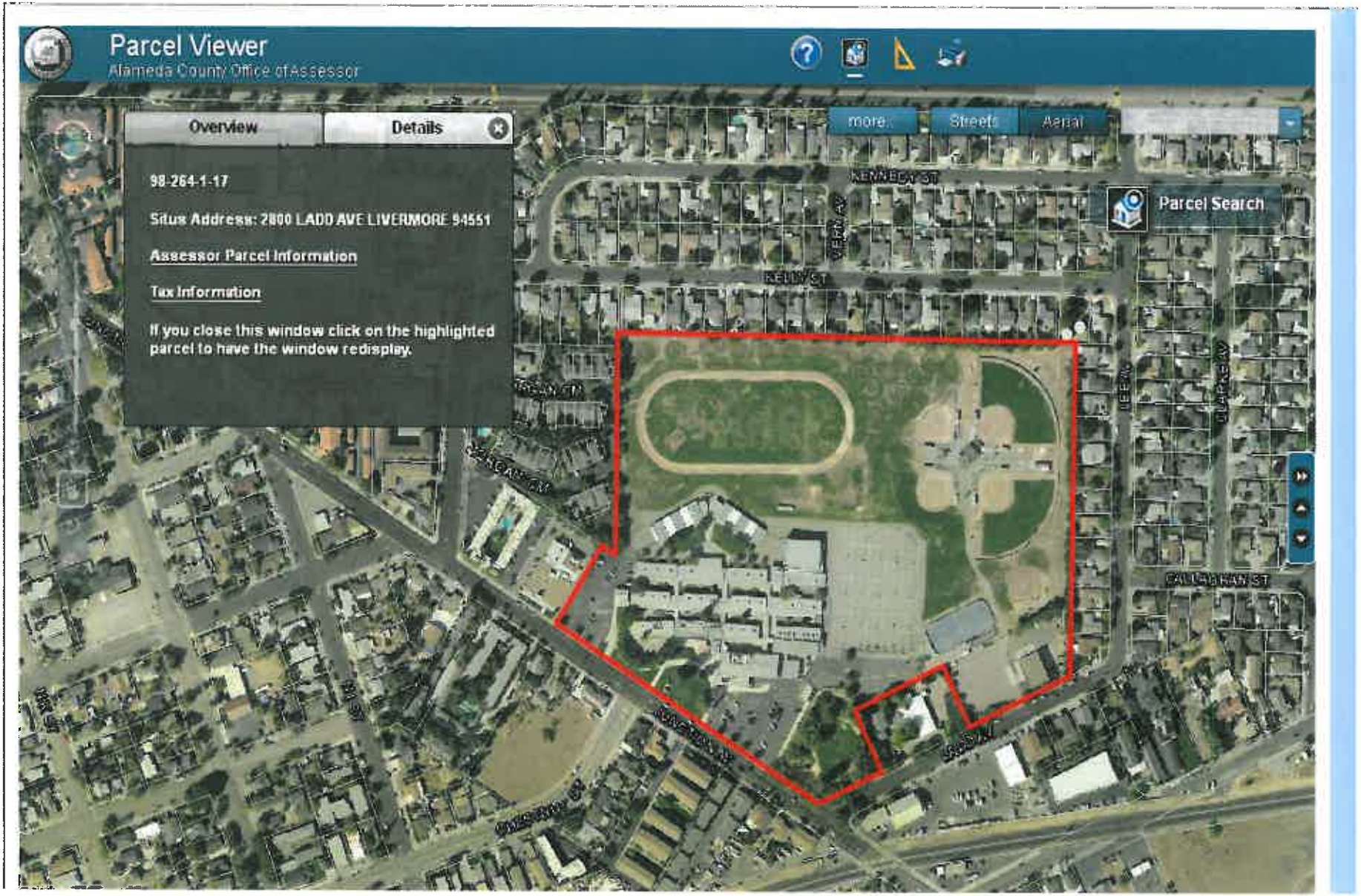

Parcel Viewer
Alameda County Office of Assessor
Overview
Details
98-264-1-17
Situs Address: 2800 LADD AVE LIVERMORE 94551
Assessor Parcel Information
Tax Information
If you close this window click on the highlighted parcel to have the window redisplay.
more
Streets
Aerial
Parcel Search
KENNEDY ST
KELLY ST
CALLAGHAN ST

Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

PERJURY STATEMENT

Name of Document or Report: Groundwater Monitoring Well Destruction & Case Closure Finalization Report

RO#0000188

I declare, under penalty and perjury, that the information and/or recommendations contained in the above stated document or report is true and correct to the best of my knowledge.

Signature

Susan Kinder
Company Officer or Legal Representative Name

Chief Business Official
Title

April 22, 2014
Date

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-55868-1
Client Project/Site: LVJUSD

For:
ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, California 94621

Attn: Julia Siudyla

Authorized for release by:
3/7/2014 2:53:39 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

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

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

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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)

Job ID: 720-55868-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-55868-1

Comments
No additional comments.

Receipt
The samples were received on 3/4/2014 1:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 7.3º C.

GC/MS VOA
Method 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 154563 recovered outside control limits for the following analytes: <<MEK, 2-HEXANONE>>.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270C: Surrogate(terphenyl-d14) recovery for the following sample was outside the upper control limit: (MB 720-154593/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch #154593 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8270C: Surrogate recovery for the following sample was outside control limits: (720-55868-5 MS), (720-55868-5 MSD), DRUM#1,2,3,4 COMPOSITE (720-55868-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The following sample was diluted due to the abundance of non-target analyte Fe: DRUM#1,2,3,4 COMPOSITE (720-55868-5). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Client Sample ID: DRUM#1,2,3,4 COMPOSITE

Lab Sample ID: 720-55868-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	1100		460		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	2400		460		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	1200		930		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
N-Propylbenzene	1300		460		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Toluene	2800		460		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
1,2,4-Trimethylbenzene	8300		460		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
1,3,5-Trimethylbenzene	2700		460		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	14000		930		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	180000		23000		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.30		0.067		mg/Kg	1		8270C	Total/NA
2-Methylnaphthalene	0.42		0.067		mg/Kg	1		8270C	Total/NA
Diesel Range Organics [C10-C28]	72		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	6.3		3.7		mg/Kg	4		6010B	Total/NA
Barium	190		1.9		mg/Kg	4		6010B	Total/NA
Chromium	85		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.74		mg/Kg	4		6010B	Total/NA
Copper	36		5.6		mg/Kg	4		6010B	Total/NA
Lead	6.3		1.9		mg/Kg	4		6010B	Total/NA
Nickel	160		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	40		1.9		mg/Kg	4		6010B	Total/NA
Zinc	61		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.061		0.0086		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Date Collected: 03/04/14 11:30
Date Received: 03/04/14 13:20

Lab Sample ID: 720-55868-5
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Acetone	ND		4600		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Benzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Dichlorobromomethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Bromobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Chlorobromomethane	ND		1900		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Bromoform	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Bromomethane	ND		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
2-Butanone (MEK)	ND		4600		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
n-Butylbenzene	**1100**		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
sec-Butylbenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
tert-Butylbenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Carbon disulfide	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Carbon tetrachloride	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Chlorobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Chloroethane	ND		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Chloroform	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Chloromethane	ND		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
2-Chlorotoluene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
4-Chlorotoluene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Chlorodibromomethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2-Dichlorobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,3-Dichlorobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,4-Dichlorobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,3-Dichloropropane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1-Dichloropropene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Ethylene Dibromide	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Dibromomethane	ND		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Dichlorodifluoromethane	ND		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1-Dichloroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2-Dichloroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1-Dichloroethene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
cis-1,2-Dichloroethene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
trans-1,2-Dichloroethene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2-Dichloropropane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
cis-1,3-Dichloropropene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
trans-1,3-Dichloropropene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Ethylbenzene	**2400**		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Hexachlorobutadiene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
2-Hexanone	ND		4600		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Isopropylbenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
4-Isopropyltoluene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Methylene Chloride	ND		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
4-Methyl-2-pentanone (MIBK)	ND		4600		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Naphthalene	**1200**		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
N-Propylbenzene	**1300**		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Styrene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1,1,2-Tetrachloroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Date Collected: 03/04/14 11:30
Date Received: 03/04/14 13:20

Lab Sample ID: 720-55868-5
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Tetrachloroethene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Toluene	**2800**		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2,3-Trichlorobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2,4-Trichlorobenzene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1,1-Trichloroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1,2-Trichloroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Trichloroethene	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Trichlorofluoromethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2,3-Trichloropropane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,2,4-Trimethylbenzene	**8300**		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
1,3,5-Trimethylbenzene	**2700**		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Vinyl acetate	ND		4600		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Vinyl chloride	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Xylenes, Total	**14000**		930		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
2,2-Dichloropropane	ND		460		ug/Kg		03/05/14 20:11	03/05/14 22:39	100
Gasoline Range Organics (GRO) -C5-C12	**180000**		23000		ug/Kg		03/05/14 20:11	03/05/14 22:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*66 - 148*	*03/05/14 20:11*	*03/05/14 22:39*	*100*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*	*03/05/14 20:11*	*03/05/14 22:39*	*100*
Toluene-d8 (Surr)	*103*		*65 - 141*	*03/05/14 20:11*	*03/05/14 22:39*	*100*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Chlorophenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzyl alcohol	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Methylphenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Hexachloroethane	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Nitrobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Isophorone	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Nitrophenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Naphthalene	**0.30**		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
4-Chloroaniline	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Hexachlorobutadiene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Methylnaphthalene	**0.42**		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Date Collected: 03/04/14 11:30
Date Received: 03/04/14 13:20

Lab Sample ID: 720-55868-5
Matrix: Solid

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Chloronaphthalene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Nitroaniline	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Dimethyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Acenaphthylene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
3-Nitroaniline	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Acenaphthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
4-Nitrophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Dibenzofuran	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Diethyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Fluorene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
4-Nitroaniline	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Hexachlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Pentachlorophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Phenanthrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Anthracene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Fluoranthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Pyrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzo[a]anthracene	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Chrysene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzo[a]pyrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Benzoic acid	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Azobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*21 - 98*	*03/04/14 21:19*	*03/05/14 17:52*	*1*
2-Fluorobiphenyl	*67*		*30 - 112*	*03/04/14 21:19*	*03/05/14 17:52*	*1*
Terphenyl-d14	*109*		*32 - 117*	*03/04/14 21:19*	*03/05/14 17:52*	*1*
2-Fluorophenol	*0.7*	*X*	*28 - 98*	*03/04/14 21:19*	*03/05/14 17:52*	*1*
Phenol-d5	*24*		*23 - 101*	*03/04/14 21:19*	*03/05/14 17:52*	*1*
2,4,6-Tribromophenol	*36*	*X*	*37 - 114*	*03/04/14 21:19*	*03/05/14 17:52*	*1*

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Date Collected: 03/04/14 11:30
Date Received: 03/04/14 13:20

Lab Sample ID: 720-55868-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**72**		0.99		mg/Kg		03/06/14 08:54	03/07/14 09:58	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		03/06/14 08:54	03/07/14 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*83*		*40 - 130*	*03/06/14 08:54*	*03/07/14 09:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Arsenic	**6.3**		3.7		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Barium	**190**		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Beryllium	ND		0.37		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Cadmium	ND		0.46		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Chromium	**85**		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Cobalt	**17**		0.74		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Copper	**36**		5.6		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Lead	**6.3**		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Molybdenum	ND		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Nickel	**160**		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Selenium	ND		3.7		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Silver	ND		0.93		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Thallium	ND		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Vanadium	**40**		1.9		mg/Kg		03/04/14 19:17	03/05/14 11:04	4
Zinc	**61**		5.6		mg/Kg		03/04/14 19:17	03/05/14 11:04	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.0086		mg/Kg		03/06/14 11:38	03/06/14 20:11	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-154670/23
Matrix: Solid
Analysis Batch: 154670

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		500		ug/Kg			03/05/14 19:48	100
Acetone	ND		5000		ug/Kg			03/05/14 19:48	100
Benzene	ND		500		ug/Kg			03/05/14 19:48	100
Dichlorobromomethane	ND		500		ug/Kg			03/05/14 19:48	100
Bromobenzene	ND		500		ug/Kg			03/05/14 19:48	100
Chlorobromomethane	ND		2000		ug/Kg			03/05/14 19:48	100
Bromoform	ND		500		ug/Kg			03/05/14 19:48	100
Bromomethane	ND		1000		ug/Kg			03/05/14 19:48	100
2-Butanone (MEK)	ND		5000		ug/Kg			03/05/14 19:48	100
n-Butylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
sec-Butylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
tert-Butylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
Carbon disulfide	ND		500		ug/Kg			03/05/14 19:48	100
Carbon tetrachloride	ND		500		ug/Kg			03/05/14 19:48	100
Chlorobenzene	ND		500		ug/Kg			03/05/14 19:48	100
Chloroethane	ND		1000		ug/Kg			03/05/14 19:48	100
Chloroform	ND		500		ug/Kg			03/05/14 19:48	100
Chloromethane	ND		1000		ug/Kg			03/05/14 19:48	100
2-Chlorotoluene	ND		500		ug/Kg			03/05/14 19:48	100
4-Chlorotoluene	ND		500		ug/Kg			03/05/14 19:48	100
Chlorodibromomethane	ND		500		ug/Kg			03/05/14 19:48	100
1,2-Dichlorobenzene	ND		500		ug/Kg			03/05/14 19:48	100
1,3-Dichlorobenzene	ND		500		ug/Kg			03/05/14 19:48	100
1,4-Dichlorobenzene	ND		500		ug/Kg			03/05/14 19:48	100
1,3-Dichloropropane	ND		500		ug/Kg			03/05/14 19:48	100
1,1-Dichloropropene	ND		500		ug/Kg			03/05/14 19:48	100
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg			03/05/14 19:48	100
Ethylene Dibromide	ND		500		ug/Kg			03/05/14 19:48	100
Dibromomethane	ND		1000		ug/Kg			03/05/14 19:48	100
Dichlorodifluoromethane	ND		1000		ug/Kg			03/05/14 19:48	100
1,1-Dichloroethane	ND		500		ug/Kg			03/05/14 19:48	100
1,2-Dichloroethane	ND		500		ug/Kg			03/05/14 19:48	100
1,1-Dichloroethene	ND		500		ug/Kg			03/05/14 19:48	100
cis-1,2-Dichloroethene	ND		500		ug/Kg			03/05/14 19:48	100
trans-1,2-Dichloroethene	ND		500		ug/Kg			03/05/14 19:48	100
1,2-Dichloropropane	ND		500		ug/Kg			03/05/14 19:48	100
cis-1,3-Dichloropropene	ND		500		ug/Kg			03/05/14 19:48	100
trans-1,3-Dichloropropene	ND		500		ug/Kg			03/05/14 19:48	100
Ethylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
Hexachlorobutadiene	ND		500		ug/Kg			03/05/14 19:48	100
2-Hexanone	ND		5000		ug/Kg			03/05/14 19:48	100
Isopropylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
4-Isopropyltoluene	ND		500		ug/Kg			03/05/14 19:48	100
Methylene Chloride	ND		1000		ug/Kg			03/05/14 19:48	100
4-Methyl-2-pentanone (MIBK)	ND		5000		ug/Kg			03/05/14 19:48	100
Naphthalene	ND		1000		ug/Kg			03/05/14 19:48	100
N-Propylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
Styrene	ND		500		ug/Kg			03/05/14 19:48	100

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-154670/23
Matrix: Solid
Analysis Batch: 154670

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500		ug/Kg			03/05/14 19:48	100
1,1,2,2-Tetrachloroethane	ND		500		ug/Kg			03/05/14 19:48	100
Tetrachloroethene	ND		500		ug/Kg			03/05/14 19:48	100
Toluene	ND		500		ug/Kg			03/05/14 19:48	100
1,2,3-Trichlorobenzene	ND		500		ug/Kg			03/05/14 19:48	100
1,2,4-Trichlorobenzene	ND		500		ug/Kg			03/05/14 19:48	100
1,1,1-Trichloroethane	ND		500		ug/Kg			03/05/14 19:48	100
1,1,2-Trichloroethane	ND		500		ug/Kg			03/05/14 19:48	100
Trichloroethene	ND		500		ug/Kg			03/05/14 19:48	100
Trichlorofluoromethane	ND		500		ug/Kg			03/05/14 19:48	100
1,2,3-Trichloropropane	ND		500		ug/Kg			03/05/14 19:48	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg			03/05/14 19:48	100
1,2,4-Trimethylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
1,3,5-Trimethylbenzene	ND		500		ug/Kg			03/05/14 19:48	100
Vinyl acetate	ND		5000		ug/Kg			03/05/14 19:48	100
Vinyl chloride	ND		500		ug/Kg			03/05/14 19:48	100
Xylenes, Total	ND		1000		ug/Kg			03/05/14 19:48	100
2,2-Dichloropropane	ND		500		ug/Kg			03/05/14 19:48	100
Gasoline Range Organics (GRO) -C5-C12	ND		25000		ug/Kg			03/05/14 19:48	100

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*66 - 148*		*03/05/14 19:48*	*100*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*03/05/14 19:48*	*100*
Toluene-d8 (Surr)	*102*		*65 - 141*		*03/05/14 19:48*	*100*

Lab Sample ID: LCS 720-154670/5
Matrix: Solid
Analysis Batch: 154670

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	5000	4530		ug/Kg		91	71 - 146
Acetone	25000	20000		ug/Kg		80	12 - 234
Benzene	5000	5060		ug/Kg		101	76 - 122
Dichlorobromomethane	5000	4840		ug/Kg		97	80 - 131
Bromobenzene	5000	4900		ug/Kg		98	77 - 125
Chlorobromomethane	5000	4840		ug/Kg		97	74 - 134
Bromoform	5000	4100		ug/Kg		82	54 - 149
Bromomethane	5000	4060		ug/Kg		81	14 - 175
2-Butanone (MEK)	25000	19900		ug/Kg		80	58 - 159
n-Butylbenzene	5000	5530		ug/Kg		111	57 - 164
sec-Butylbenzene	5000	5190		ug/Kg		104	62 - 153
tert-Butylbenzene	5000	5050		ug/Kg		101	72 - 136
Carbon disulfide	5000	3610		ug/Kg		72	13 - 151
Carbon tetrachloride	5000	4620		ug/Kg		92	72 - 136
Chlorobenzene	5000	5180		ug/Kg		104	81 - 128
Chloroethane	5000	4600		ug/Kg		92	53 - 124
Chloroform	5000	5070		ug/Kg		101	75 - 133

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-154670/5
Matrix: Solid
Analysis Batch: 154670

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	5000	4940		ug/Kg		99	43 - 146
2-Chlorotoluene	5000	5180		ug/Kg		104	66 - 143
4-Chlorotoluene	5000	5090		ug/Kg		102	73 - 136
Chlorodibromomethane	5000	4540		ug/Kg		91	76 - 134
1,2-Dichlorobenzene	5000	4930		ug/Kg		99	77 - 140
1,3-Dichlorobenzene	5000	5300		ug/Kg		106	71 - 135
1,4-Dichlorobenzene	5000	5260		ug/Kg		105	76 - 130
1,3-Dichloropropane	5000	4840		ug/Kg		97	73 - 133
1,1-Dichloropropene	5000	5190		ug/Kg		104	81 - 134
1,2-Dibromo-3-Chloropropane	5000	3550		ug/Kg		71	52 - 156
Ethylene Dibromide	5000	4700		ug/Kg		94	70 - 138
Dibromomethane	5000	4980		ug/Kg		100	70 - 139
Dichlorodifluoromethane	5000	4280		ug/Kg		86	30 - 120
1,1-Dichloroethane	5000	5180		ug/Kg		104	79 - 125
1,2-Dichloroethane	5000	4620		ug/Kg		92	67 - 126
1,1-Dichloroethene	5000	5160		ug/Kg		103	74 - 122
cis-1,2-Dichloroethene	5000	5160		ug/Kg		103	77 - 132
trans-1,2-Dichloroethene	5000	5000		ug/Kg		100	74 - 128
1,2-Dichloropropane	5000	4870		ug/Kg		97	84 - 129
cis-1,3-Dichloropropene	5000	4830		ug/Kg		97	79 - 144
trans-1,3-Dichloropropene	5000	5010		ug/Kg		100	78 - 144
Ethylbenzene	5000	5200		ug/Kg		104	76 - 137
Hexachlorobutadiene	5000	4890		ug/Kg		98	63 - 150
2-Hexanone	25000	19300		ug/Kg		77	63 - 165
Isopropylbenzene	5000	5320		ug/Kg		106	65 - 128
4-Isopropyltoluene	5000	5240		ug/Kg		105	62 - 153
Methylene Chloride	5000	4730		ug/Kg		95	79 - 128
4-Methyl-2-pentanone (MIBK)	25000	19600		ug/Kg		78	66 - 150
Naphthalene	5000	4320		ug/Kg		86	62 - 151
N-Propylbenzene	5000	5190		ug/Kg		104	65 - 144
Styrene	5000	5120		ug/Kg		102	79 - 139
1,1,1,2-Tetrachloroethane	5000	4790		ug/Kg		96	72 - 129
1,1,2,2-Tetrachloroethane	5000	4530		ug/Kg		91	69 - 133
Tetrachloroethene	5000	5330		ug/Kg		107	79 - 130
Toluene	5000	5170		ug/Kg		103	77 - 120
1,2,3-Trichlorobenzene	5000	4930		ug/Kg		99	72 - 159
1,2,4-Trichlorobenzene	5000	5090		ug/Kg		102	71 - 163
1,1,1-Trichloroethane	5000	4770		ug/Kg		95	69 - 132
1,1,2-Trichloroethane	5000	4930		ug/Kg		99	80 - 140
Trichloroethene	5000	5090		ug/Kg		102	69 - 129
Trichlorofluoromethane	5000	4370		ug/Kg		87	49 - 140
1,2,3-Trichloropropane	5000	4300		ug/Kg		86	74 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	4990		ug/Kg		100	66 - 128
1,2,4-Trimethylbenzene	5000	5180		ug/Kg		104	62 - 155
1,3,5-Trimethylbenzene	5000	5240		ug/Kg		105	69 - 142
Vinyl acetate	5000	4780	J	ug/Kg		96	56 - 200
Vinyl chloride	5000	2050		ug/Kg		41	10 - 118

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-154670/5
Matrix: Solid
Analysis Batch: 154670

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	10000	10100		ug/Kg		101	71 - 142
o-Xylene	5000	5260		ug/Kg		105	71 - 142
2,2-Dichloropropane	5000	5180		ug/Kg		104	67 - 146

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*66 - 148*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*
Toluene-d8 (Surr)	*102*		*65 - 141*

Lab Sample ID: LCS 720-154670/7
Matrix: Solid
Analysis Batch: 154670

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	100000	101000		ug/Kg		101	60 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*66 - 148*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*
Toluene-d8 (Surr)	*103*		*65 - 141*

Lab Sample ID: LCSD 720-154670/6
Matrix: Solid
Analysis Batch: 154670

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	5000	4660		ug/Kg		93	71 - 146	3	20
Acetone	25000	20600		ug/Kg		83	12 - 234	3	30
Benzene	5000	5020		ug/Kg		100	76 - 122	1	20
Dichlorobromomethane	5000	4890		ug/Kg		98	80 - 131	1	20
Bromobenzene	5000	4920		ug/Kg		98	77 - 125	0	20
Chlorobromomethane	5000	4890		ug/Kg		98	74 - 134	1	20
Bromoform	5000	4230		ug/Kg		85	54 - 149	3	20
Bromomethane	5000	3980		ug/Kg		80	14 - 175	2	20
2-Butanone (MEK)	25000	19400		ug/Kg		78	58 - 159	3	20
n-Butylbenzene	5000	5450		ug/Kg		109	57 - 164	1	20
sec-Butylbenzene	5000	5150		ug/Kg		103	62 - 153	1	20
tert-Butylbenzene	5000	5030		ug/Kg		101	72 - 136	0	20
Carbon disulfide	5000	3600		ug/Kg		72	13 - 151	1	20
Carbon tetrachloride	5000	4640		ug/Kg		93	72 - 136	0	20
Chlorobenzene	5000	5170		ug/Kg		103	81 - 128	0	20
Chloroethane	5000	4480		ug/Kg		90	53 - 124	3	20
Chloroform	5000	5120		ug/Kg		102	75 - 133	1	20
Chloromethane	5000	5030		ug/Kg		101	43 - 146	2	20
2-Chlorotoluene	5000	5160		ug/Kg		103	66 - 143	0	20
4-Chlorotoluene	5000	5090		ug/Kg		102	73 - 136	0	20
Chlorodibromomethane	5000	4640		ug/Kg		93	76 - 134	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-154670/6
Matrix: Solid
Analysis Batch: 154670

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	5000	4990		ug/Kg		100	77 - 140	1	20
1,3-Dichlorobenzene	5000	5330		ug/Kg		107	71 - 135	1	20
1,4-Dichlorobenzene	5000	5300		ug/Kg		106	76 - 130	1	20
1,3-Dichloropropane	5000	4860		ug/Kg		97	73 - 133	1	20
1,1-Dichloropropene	5000	5120		ug/Kg		102	81 - 134	1	20
1,2-Dibromo-3-Chloropropane	5000	3620		ug/Kg		72	52 - 156	2	20
Ethylene Dibromide	5000	4730		ug/Kg		95	70 - 138	1	20
Dibromomethane	5000	5000		ug/Kg		100	70 - 139	0	20
Dichlorodifluoromethane	5000	4330		ug/Kg		87	30 - 120	1	20
1,1-Dichloroethane	5000	5160		ug/Kg		103	79 - 125	0	20
1,2-Dichloroethane	5000	4660		ug/Kg		93	67 - 126	1	20
1,1-Dichloroethene	5000	5150		ug/Kg		103	74 - 122	0	20
cis-1,2-Dichloroethene	5000	5140		ug/Kg		103	77 - 132	0	20
trans-1,2-Dichloroethene	5000	4910		ug/Kg		98	74 - 128	2	20
1,2-Dichloropropane	5000	4870		ug/Kg		97	84 - 129	0	20
cis-1,3-Dichloropropene	5000	4890		ug/Kg		98	79 - 144	1	20
trans-1,3-Dichloropropene	5000	5110		ug/Kg		102	78 - 144	2	20
Ethylbenzene	5000	5110		ug/Kg		102	76 - 137	2	20
Hexachlorobutadiene	5000	4960		ug/Kg		99	63 - 150	1	20
2-Hexanone	25000	20100		ug/Kg		80	63 - 165	4	20
Isopropylbenzene	5000	5240		ug/Kg		105	65 - 128	1	20
4-Isopropyltoluene	5000	5210		ug/Kg		104	62 - 153	0	20
Methylene Chloride	5000	4760		ug/Kg		95	79 - 128	1	20
4-Methyl-2-pentanone (MIBK)	25000	20100		ug/Kg		80	66 - 150	2	20
Naphthalene	5000	4370		ug/Kg		87	62 - 151	1	20
N-Propylbenzene	5000	5120		ug/Kg		102	65 - 144	1	20
Styrene	5000	5130		ug/Kg		103	79 - 139	0	20
1,1,1,2-Tetrachloroethane	5000	4880		ug/Kg		98	72 - 129	2	20
1,1,2,2-Tetrachloroethane	5000	4660		ug/Kg		93	69 - 133	3	20
Tetrachloroethene	5000	5310		ug/Kg		106	79 - 130	1	20
Toluene	5000	5130		ug/Kg		103	77 - 120	1	20
1,2,3-Trichlorobenzene	5000	4920		ug/Kg		98	72 - 159	0	20
1,2,4-Trichlorobenzene	5000	5060		ug/Kg		101	71 - 163	0	20
1,1,1-Trichloroethane	5000	4720		ug/Kg		94	69 - 132	1	20
1,1,2-Trichloroethane	5000	5090		ug/Kg		102	80 - 140	3	20
Trichloroethene	5000	5070		ug/Kg		101	69 - 129	0	20
Trichlorofluoromethane	5000	4310		ug/Kg		86	49 - 140	1	20
1,2,3-Trichloropropane	5000	4370		ug/Kg		87	74 - 135	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	4980		ug/Kg		100	66 - 128	0	20
1,2,4-Trimethylbenzene	5000	5190		ug/Kg		104	62 - 155	0	20
1,3,5-Trimethylbenzene	5000	5230		ug/Kg		105	69 - 142	0	20
Vinyl acetate	5000	4760	J	ug/Kg		95	56 - 200	1	20
Vinyl chloride	5000	1870		ug/Kg		37	10 - 118	9	20
m-Xylene & p-Xylene	10000	9880		ug/Kg		99	71 - 142	2	20
o-Xylene	5000	5260		ug/Kg		105	71 - 142	0	20
2,2-Dichloropropane	5000	5120		ug/Kg		102	67 - 146	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-154670/6
Matrix: Solid
Analysis Batch: 154670

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*105*		*66 - 148*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*
Toluene-d8 (Surr)	*103*		*65 - 141*

Lab Sample ID: LCSD 720-154670/8
Matrix: Solid
Analysis Batch: 154670

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			100000	102000		ug/Kg		102	60 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*105*		*66 - 148*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*
Toluene-d8 (Surr)	*103*		*65 - 141*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Lab Sample ID: MB 720-154593/1-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Chlorophenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzyl alcohol	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Methylphenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Hexachloroethane	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Nitrobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Isophorone	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Nitrophenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Naphthalene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
4-Chloroaniline	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Hexachlorobutadiene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Methylnaphthalene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: MB 720-154593/1-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Chloronaphthalene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Nitroaniline	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Dimethyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Acenaphthylene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
3-Nitroaniline	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Acenaphthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
4-Nitrophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Dibenzofuran	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Diethyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Fluorene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
4-Nitroaniline	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Hexachlorobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Pentachlorophenol	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Phenanthrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Anthracene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Fluoranthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Pyrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzo[a]anthracene	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Chrysene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzo[a]pyrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Benzoic acid	ND		0.33		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Azobenzene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		03/04/14 21:19	03/05/14 16:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*21 - 98*	*03/04/14 21:19*	*03/05/14 16:40*	*1*
2-Fluorobiphenyl	*53*		*30 - 112*	*03/04/14 21:19*	*03/05/14 16:40*	*1*
Terphenyl-d14	*118*	*X*	*32 - 117*	*03/04/14 21:19*	*03/05/14 16:40*	*1*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: MB 720-154593/1-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154593

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	54		28 - 98	03/04/14 21:19	03/05/14 16:40	1
Phenol-d5	52		23 - 101	03/04/14 21:19	03/05/14 16:40	1
2,4,6-Tribromophenol	58		37 - 114	03/04/14 21:19	03/05/14 16:40	1

Lab Sample ID: LCS 720-154593/2-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.33	0.739		mg/Kg		56	48 - 115
Bis(2-chloroethyl)ether	1.33	0.678		mg/Kg		51	45 - 115
2-Chlorophenol	1.33	0.722		mg/Kg		54	48 - 115
1,3-Dichlorobenzene	1.33	0.678		mg/Kg		51	41 - 115
1,4-Dichlorobenzene	1.33	0.681		mg/Kg		51	40 - 115
Benzyl alcohol	1.33	0.781		mg/Kg		59	51 - 115
1,2-Dichlorobenzene	1.33	0.692		mg/Kg		52	44 - 115
2-Methylphenol	1.33	0.744		mg/Kg		56	54 - 115
Methylphenol, 3 & 4	1.33	0.756		mg/Kg		57	42 - 115
N-Nitrosodi-n-propylamine	1.33	0.803		mg/Kg		60	46 - 115
Hexachloroethane	1.33	0.681		mg/Kg		51	44 - 115
Nitrobenzene	1.33	0.772		mg/Kg		58	48 - 115
Isophorone	1.33	0.811		mg/Kg		61	54 - 115
2-Nitrophenol	1.33	0.719		mg/Kg		54	48 - 115
2,4-Dimethylphenol	1.33	0.765		mg/Kg		57	52 - 115
Bis(2-chloroethoxy)methane	1.33	0.721		mg/Kg		54	46 - 115
2,4-Dichlorophenol	1.33	0.782		mg/Kg		59	49 - 100
1,2,4-Trichlorobenzene	1.33	0.723		mg/Kg		54	47 - 115
Naphthalene	1.33	0.717		mg/Kg		54	44 - 115
4-Chloroaniline	1.33	0.670		mg/Kg		50	30 - 115
Hexachlorobutadiene	1.33	0.756		mg/Kg		57	44 - 115
4-Chloro-3-methylphenol	1.33	0.902		mg/Kg		68	58 - 115
2-Methylnaphthalene	1.33	0.777		mg/Kg		58	49 - 115
Hexachlorocyclopentadiene	1.33	0.568		mg/Kg		43	42 - 132
2,4,6-Trichlorophenol	1.33	0.799		mg/Kg		60	45 - 115
2,4,5-Trichlorophenol	1.33	0.898		mg/Kg		67	48 - 115
2-Chloronaphthalene	1.33	0.774		mg/Kg		58	52 - 115
2-Nitroaniline	1.33	0.966		mg/Kg		73	54 - 115
Dimethyl phthalate	1.33	0.976		mg/Kg		73	64 - 119
Acenaphthylene	1.33	0.809		mg/Kg		61	61 - 129
3-Nitroaniline	1.33	0.936		mg/Kg		70	50 - 115
Acenaphthene	1.33	0.802		mg/Kg		60	50 - 115
2,4-Dinitrophenol	2.66	1.09		mg/Kg		41	15 - 115
4-Nitrophenol	2.66	2.28		mg/Kg		86	54 - 125
Dibenzofuran	1.33	0.807		mg/Kg		61	55 - 115
2,4-Dinitrotoluene	1.33	1.03		mg/Kg		77	57 - 115
2,6-Dinitrotoluene	1.33	0.996		mg/Kg		75	54 - 119
Diethyl phthalate	1.33	0.995		mg/Kg		75	49 - 117

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: LCS 720-154593/2-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	1.33	0.944		mg/Kg		71	57 - 115
Fluorene	1.33	0.880		mg/Kg		66	54 - 115
4-Nitroaniline	1.33	1.08		mg/Kg		81	59 - 115
2-Methyl-4,6-dinitrophenol	2.66	1.98		mg/Kg		74	39 - 115
N-Nitrosodiphenylamine	1.33	1.02		mg/Kg		77	56 - 115
4-Bromophenyl phenyl ether	1.33	0.964		mg/Kg		72	53 - 115
Hexachlorobenzene	1.33	1.06		mg/Kg		79	55 - 115
Pentachlorophenol	2.66	1.98		mg/Kg		75	35 - 115
Phenanthrene	1.33	1.06		mg/Kg		80	54 - 115
Anthracene	1.33	1.09		mg/Kg		82	55 - 115
Di-n-butyl phthalate	1.33	1.16		mg/Kg		87	55 - 115
Fluoranthene	1.33	1.17		mg/Kg		88	52 - 130
Pyrene	1.33	1.35		mg/Kg		102	48 - 115
Butyl benzyl phthalate	1.33	1.38		mg/Kg		104	53 - 115
3,3'-Dichlorobenzidine	1.33	0.994		mg/Kg		75	42 - 115
Benzo[a]anthracene	1.33	1.10		mg/Kg		82	55 - 115
Bis(2-ethylhexyl) phthalate	1.33	1.21		mg/Kg		91	53 - 115
Chrysene	1.33	1.09		mg/Kg		82	58 - 115
Di-n-octyl phthalate	1.33	0.990		mg/Kg		74	53 - 115
Benzo[b]fluoranthene	1.33	1.07		mg/Kg		81	50 - 119
Benzo[a]pyrene	1.33	1.11		mg/Kg		84	57 - 122
Benzo[k]fluoranthene	1.33	1.20		mg/Kg		90	55 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.15		mg/Kg		87	56 - 115
Benzo[g,h,i]perylene	1.33	1.09		mg/Kg		82	56 - 115
Benzoic acid	1.33	0.232	J	mg/Kg		17	10 - 115
Azobenzene	1.33	0.925		mg/Kg		70	52 - 115
Dibenz(a,h)anthracene	1.33	1.17		mg/Kg		88	57 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*59*		*21 - 98*
2-Fluorobiphenyl	*63*		*30 - 112*
Terphenyl-d14	*111*		*32 - 117*
2-Fluorophenol	*56*		*28 - 98*
Phenol-d5	*61*		*23 - 101*
2,4,6-Tribromophenol	*76*		*37 - 114*

Lab Sample ID: LCSD 720-154593/3-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.33	0.776		mg/Kg		58	48 - 115	5	35
Bis(2-chloroethyl)ether	1.33	0.690		mg/Kg		52	45 - 115	2	35
2-Chlorophenol	1.33	0.733		mg/Kg		55	48 - 115	2	35
1,3-Dichlorobenzene	1.33	0.682		mg/Kg		51	41 - 115	1	35
1,4-Dichlorobenzene	1.33	0.674		mg/Kg		51	40 - 115	1	35
Benzyl alcohol	1.33	0.802		mg/Kg		60	51 - 115	3	35

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: LCSD 720-154593/3-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	1.33	0.689		mg/Kg		52	44 - 115	0	35
2-Methylphenol	1.33	0.768		mg/Kg		58	54 - 115	3	35
Methylphenol, 3 & 4	1.33	0.773		mg/Kg		58	42 - 115	2	35
N-Nitrosodi-n-propylamine	1.33	0.806		mg/Kg		61	46 - 115	0	35
Hexachloroethane	1.33	0.685		mg/Kg		52	44 - 115	1	35
Nitrobenzene	1.33	0.759		mg/Kg		57	48 - 115	2	35
Isophorone	1.33	0.841		mg/Kg		63	54 - 115	4	35
2-Nitrophenol	1.33	0.733		mg/Kg		55	48 - 115	2	35
2,4-Dimethylphenol	1.33	0.762		mg/Kg		57	52 - 115	0	35
Bis(2-chloroethoxy)methane	1.33	0.739		mg/Kg		56	46 - 115	2	35
2,4-Dichlorophenol	1.33	0.807		mg/Kg		61	49 - 100	3	35
1,2,4-Trichlorobenzene	1.33	0.739		mg/Kg		56	47 - 115	2	35
Naphthalene	1.33	0.730		mg/Kg		55	44 - 115	2	35
4-Chloroaniline	1.33	0.696		mg/Kg		52	30 - 115	4	35
Hexachlorobutadiene	1.33	0.764		mg/Kg		58	44 - 115	1	35
4-Chloro-3-methylphenol	1.33	0.935		mg/Kg		70	58 - 115	4	35
2-Methylnaphthalene	1.33	0.769		mg/Kg		58	49 - 115	1	35
Hexachlorocyclopentadiene	1.33	0.585		mg/Kg		44	42 - 132	3	35
2,4,6-Trichlorophenol	1.33	0.840		mg/Kg		63	45 - 115	5	35
2,4,5-Trichlorophenol	1.33	0.906		mg/Kg		68	48 - 115	1	35
2-Chloronaphthalene	1.33	0.769		mg/Kg		58	52 - 115	1	35
2-Nitroaniline	1.33	1.00		mg/Kg		75	54 - 115	3	35
Dimethyl phthalate	1.33	1.02		mg/Kg		77	64 - 119	4	35
Acenaphthylene	1.33	0.839		mg/Kg		63	61 - 129	4	35
3-Nitroaniline	1.33	0.906		mg/Kg		68	50 - 115	3	35
Acenaphthene	1.33	0.848		mg/Kg		64	50 - 115	6	35
2,4-Dinitrophenol	2.66	0.953		mg/Kg		36	15 - 115	14	35
4-Nitrophenol	2.66	2.38		mg/Kg		90	54 - 125	4	35
Dibenzofuran	1.33	0.858		mg/Kg		65	55 - 115	6	35
2,4-Dinitrotoluene	1.33	1.04		mg/Kg		78	57 - 115	1	35
2,6-Dinitrotoluene	1.33	0.970		mg/Kg		73	54 - 119	3	35
Diethyl phthalate	1.33	1.01		mg/Kg		76	49 - 117	2	35
4-Chlorophenyl phenyl ether	1.33	0.959		mg/Kg		72	57 - 115	2	35
Fluorene	1.33	0.906		mg/Kg		68	54 - 115	3	35
4-Nitroaniline	1.33	1.05		mg/Kg		79	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	2.66	1.88		mg/Kg		71	39 - 115	5	35
N-Nitrosodiphenylamine	1.33	0.990		mg/Kg		75	56 - 115	3	35
4-Bromophenyl phenyl ether	1.33	0.976		mg/Kg		74	53 - 115	1	35
Hexachlorobenzene	1.33	1.06		mg/Kg		80	55 - 115	0	35
Pentachlorophenol	2.66	1.91		mg/Kg		72	35 - 115	4	35
Phenanthrene	1.33	1.05		mg/Kg		79	54 - 115	1	35
Anthracene	1.33	1.07		mg/Kg		81	55 - 115	1	35
Di-n-butyl phthalate	1.33	1.14		mg/Kg		86	55 - 115	2	35
Fluoranthene	1.33	1.12		mg/Kg		84	52 - 130	4	35
Pyrene	1.33	1.28		mg/Kg		96	48 - 115	6	35
Butyl benzyl phthalate	1.33	1.31		mg/Kg		98	53 - 115	6	35
3,3'-Dichlorobenzidine	1.33	0.974		mg/Kg		73	42 - 115	2	35

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: LCSD 720-154593/3-A
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	1.33	1.09		mg/Kg		82	55 - 115	1	35
Bis(2-ethylhexyl) phthalate	1.33	1.18		mg/Kg		89	53 - 115	3	35
Chrysene	1.33	1.04		mg/Kg		78	58 - 115	5	35
Di-n-octyl phthalate	1.33	0.962		mg/Kg		72	53 - 115	3	35
Benzo[b]fluoranthene	1.33	1.12		mg/Kg		84	50 - 119	4	35
Benzo[a]pyrene	1.33	1.12		mg/Kg		84	57 - 122	1	35
Benzo[k]fluoranthene	1.33	1.14		mg/Kg		86	55 - 120	5	35
Indeno[1,2,3-cd]pyrene	1.33	1.13		mg/Kg		85	56 - 115	2	35
Benzo[g,h,i]perylene	1.33	1.12		mg/Kg		84	56 - 115	2	35
Benzoic acid	1.33	0.225	J	mg/Kg		17	10 - 115	3	35
Azobenzene	1.33	0.944		mg/Kg		71	52 - 115	2	35
Dibenz(a,h)anthracene	1.33	1.17		mg/Kg		88	57 - 121	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*59*		*21 - 98*
2-Fluorobiphenyl	*64*		*30 - 112*
Terphenyl-d14	*106*		*32 - 117*
2-Fluorophenol	*55*		*28 - 98*
Phenol-d5	*60*		*23 - 101*
2,4,6-Tribromophenol	*76*		*37 - 114*

Lab Sample ID: 720-55868-5 MS
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		1.32	0.306		mg/Kg		23	23 - 115
Bis(2-chloroethyl)ether	ND		1.32	0.723		mg/Kg		55	27 - 115
2-Chlorophenol	ND		1.32	0.123	F1	mg/Kg		9	16 - 115
1,3-Dichlorobenzene	ND		1.32	0.371		mg/Kg		28	22 - 115
1,4-Dichlorobenzene	ND		1.32	0.411		mg/Kg		31	21 - 115
Benzyl alcohol	ND		1.32	0.904		mg/Kg		68	28 - 115
1,2-Dichlorobenzene	ND		1.32	0.494		mg/Kg		37	25 - 115
2-Methylphenol	ND		1.32	0.890		mg/Kg		67	32 - 115
Methylphenol, 3 & 4	ND		1.32	0.634		mg/Kg		48	28 - 115
N-Nitrosodi-n-propylamine	ND		1.32	0.922		mg/Kg		70	27 - 115
Hexachloroethane	ND		1.32	1.49		mg/Kg		113	19 - 115
Nitrobenzene	ND		1.32	0.819		mg/Kg		62	30 - 115
Isophorone	ND		1.32	0.742		mg/Kg		56	36 - 115
2-Nitrophenol	ND		1.32	0.100	F1	mg/Kg		8	11 - 116
2,4-Dimethylphenol	ND		1.32	0.726		mg/Kg		55	36 - 115
Bis(2-chloroethoxy)methane	ND		1.32	0.861		mg/Kg		65	28 - 115
2,4-Dichlorophenol	ND		1.32	ND	F1	mg/Kg		8	17 - 115
1,2,4-Trichlorobenzene	ND		1.32	0.760		mg/Kg		57	29 - 115
Naphthalene	0.30		1.32	1.85	F1	mg/Kg		117	22 - 115
4-Chloroaniline	ND		1.32	0.454		mg/Kg		34	7 - 115
Hexachlorobutadiene	ND		1.32	0.707		mg/Kg		53	26 - 115

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: 720-55868-5 MS
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	ND		1.32	0.430	F1	mg/Kg		33	42 - 115
2-Methylnaphthalene	0.42		1.32	1.94		mg/Kg		115	28 - 115
Hexachlorocyclopentadiene	ND		1.32	ND	F1	mg/Kg		0	15 - 115
2,4,6-Trichlorophenol	ND		1.32	0.187	F1	mg/Kg		14	25 - 115
2,4,5-Trichlorophenol	ND		1.32	0.177	F1	mg/Kg		13	38 - 115
2-Chloronaphthalene	ND		1.32	0.675		mg/Kg		51	38 - 115
2-Nitroaniline	ND		1.32	0.747		mg/Kg		56	43 - 115
Dimethyl phthalate	ND		1.32	0.776		mg/Kg		59	55 - 116
Acenaphthylene	ND		1.32	0.814		mg/Kg		61	49 - 120
3-Nitroaniline	ND		1.32	0.732		mg/Kg		55	39 - 115
Acenaphthene	ND		1.32	0.833		mg/Kg		63	42 - 115
2,4-Dinitrophenol	ND		2.65	0.712		mg/Kg		27	13 - 122
4-Nitrophenol	ND		2.65	0.478	F1	mg/Kg		18	25 - 147
Dibenzofuran	ND		1.32	0.877		mg/Kg		66	43 - 115
2,4-Dinitrotoluene	ND		1.32	0.896		mg/Kg		68	47 - 115
2,6-Dinitrotoluene	ND		1.32	0.842		mg/Kg		64	55 - 115
Diethyl phthalate	ND		1.32	0.915		mg/Kg		69	48 - 115
4-Chlorophenyl phenyl ether	ND		1.32	0.926		mg/Kg		70	44 - 115
Fluorene	ND		1.32	0.853		mg/Kg		64	41 - 115
4-Nitroaniline	ND		1.32	0.902		mg/Kg		68	47 - 120
2-Methyl-4,6-dinitrophenol	ND		2.65	1.18		mg/Kg		44	19 - 132
N-Nitrosodiphenylamine	ND		1.32	0.873		mg/Kg		66	43 - 115
4-Bromophenyl phenyl ether	ND		1.32	0.934		mg/Kg		71	45 - 115
Hexachlorobenzene	ND		1.32	0.981		mg/Kg		74	48 - 115
Pentachlorophenol	ND		2.65	0.857		mg/Kg		32	7 - 132
Phenanthrene	ND		1.32	0.898		mg/Kg		67	38 - 115
Anthracene	ND		1.32	0.899		mg/Kg		68	47 - 115
Di-n-butyl phthalate	ND		1.32	0.889		mg/Kg		67	46 - 115
Fluoranthene	ND		1.32	0.821		mg/Kg		62	40 - 115
Pyrene	ND		1.32	1.07		mg/Kg		81	35 - 115
Butyl benzyl phthalate	ND		1.32	1.06		mg/Kg		80	40 - 115
3,3'-Dichlorobenzidine	ND		1.32	0.714		mg/Kg		54	17 - 115
Benzo[a]anthracene	ND		1.32	0.935		mg/Kg		71	42 - 115
Bis(2-ethylhexyl) phthalate	ND		1.32	1.09		mg/Kg		81	42 - 115
Chrysene	ND		1.32	0.917		mg/Kg		69	37 - 115
Di-n-octyl phthalate	ND		1.32	0.842		mg/Kg		64	46 - 115
Benzo[b]fluoranthene	ND		1.32	0.876		mg/Kg		66	43 - 115
Benzo[a]pyrene	ND		1.32	0.938		mg/Kg		71	48 - 115
Benzo[k]fluoranthene	ND		1.32	1.01		mg/Kg		76	39 - 115
Indeno[1,2,3-cd]pyrene	ND		1.32	0.971		mg/Kg		73	50 - 115
Benzo[g,h,i]perylene	ND		1.32	0.956		mg/Kg		72	43 - 115
Benzoic acid	ND		1.32	0.510		mg/Kg		39	0 - 115
Azobenzene	ND		1.32	0.913		mg/Kg		69	48 - 115
Dibenz(a,h)anthracene	ND		1.32	0.984		mg/Kg		74	49 - 115

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: 720-55868-5 MS
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154593

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	*54*		*21 - 98*
2-Fluorobiphenyl	*59*		*30 - 112*
Terphenyl-d14	*92*		*32 - 117*
2-Fluorophenol	*0.6*	*X*	*28 - 98*
Phenol-d5	*24*		*23 - 101*
2,4,6-Tribromophenol	*24*	*X*	*37 - 114*

Lab Sample ID: 720-55868-5 MSD
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	ND		1.32	0.209	F1 F2	mg/Kg		16	23 - 115	38	35
Bis(2-chloroethyl)ether	ND		1.32	0.375	F2	mg/Kg		28	27 - 115	63	35
2-Chlorophenol	ND		1.32	0.0684	F1 F2	mg/Kg		5	16 - 115	57	35
1,3-Dichlorobenzene	ND		1.32	0.326		mg/Kg		25	22 - 115	13	35
1,4-Dichlorobenzene	ND		1.32	0.448		mg/Kg		34	21 - 115	9	35
Benzyl alcohol	ND		1.32	0.933		mg/Kg		71	28 - 115	3	35
1,2-Dichlorobenzene	ND		1.32	0.511		mg/Kg		39	25 - 115	3	35
2-Methylphenol	ND		1.32	0.721		mg/Kg		55	32 - 115	21	35
Methylphenol, 3 & 4	ND		1.32	0.569		mg/Kg		43	28 - 115	11	35
N-Nitrosodi-n-propylamine	ND		1.32	1.07		mg/Kg		81	27 - 115	15	35
Hexachloroethane	ND		1.32	1.01	F2	mg/Kg		77	19 - 115	38	35
Nitrobenzene	ND		1.32	0.752		mg/Kg		57	30 - 115	9	35
Isophorone	ND		1.32	0.771		mg/Kg		58	36 - 115	4	35
2-Nitrophenol	ND		1.32	0.117	F1	mg/Kg		9	11 - 116	16	35
2,4-Dimethylphenol	ND		1.32	0.580		mg/Kg		44	36 - 115	22	35
Bis(2-chloroethoxy)methane	ND		1.32	0.767		mg/Kg		58	28 - 115	12	35
2,4-Dichlorophenol	ND		1.32	ND	F1	mg/Kg		9	17 - 115	10	35
1,2,4-Trichlorobenzene	ND		1.32	0.781		mg/Kg		59	29 - 115	3	35
Naphthalene	0.30		1.32	1.21	F2	mg/Kg		69	22 - 115	42	35
4-Chloroaniline	ND		1.32	0.574		mg/Kg		43	7 - 115	24	35
Hexachlorobutadiene	ND		1.32	0.768		mg/Kg		58	26 - 115	8	35
4-Chloro-3-methylphenol	ND		1.32	0.359	F1	mg/Kg		27	42 - 115	18	35
2-Methylnaphthalene	0.42		1.32	1.39		mg/Kg		74	28 - 115	33	35
Hexachlorocyclopentadiene	ND		1.32	ND	F1	mg/Kg		8	15 - 115	NC	35
2,4,6-Trichlorophenol	ND		1.32	0.226	F1	mg/Kg		17	25 - 115	19	35
2,4,5-Trichlorophenol	ND		1.32	0.226	F1	mg/Kg		17	38 - 115	24	35
2-Chloronaphthalene	ND		1.32	0.790		mg/Kg		60	38 - 115	16	35
2-Nitroaniline	ND		1.32	0.837		mg/Kg		63	43 - 115	11	35
Dimethyl phthalate	ND		1.32	0.823		mg/Kg		62	55 - 116	6	35
Acenaphthylene	ND		1.32	0.837		mg/Kg		63	49 - 120	3	35
3-Nitroaniline	ND		1.32	0.698		mg/Kg		53	39 - 115	5	35
Acenaphthene	ND		1.32	0.865		mg/Kg		66	42 - 115	4	35
2,4-Dinitrophenol	ND		2.64	0.826		mg/Kg		31	13 - 122	15	35
4-Nitrophenol	ND		2.64	0.553	F1	mg/Kg		21	25 - 147	15	35
Dibenzofuran	ND		1.32	0.845		mg/Kg		64	43 - 115	4	35

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: 720-55868-5 MSD
Matrix: Solid
Analysis Batch: 154636

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	ND		1.32	0.898		mg/Kg		68	47 - 115	0	35
2,6-Dinitrotoluene	ND		1.32	0.898		mg/Kg		68	55 - 115	6	35
Diethyl phthalate	ND		1.32	0.905		mg/Kg		68	48 - 115	1	35
4-Chlorophenyl phenyl ether	ND		1.32	0.876		mg/Kg		66	44 - 115	6	35
Fluorene	ND		1.32	0.836		mg/Kg		63	41 - 115	2	35
4-Nitroaniline	ND		1.32	0.746		mg/Kg		56	47 - 120	19	35
2-Methyl-4,6-dinitrophenol	ND		2.64	1.17		mg/Kg		44	19 - 132	1	35
N-Nitrosodiphenylamine	ND		1.32	0.820		mg/Kg		62	43 - 115	6	35
4-Bromophenyl phenyl ether	ND		1.32	0.947		mg/Kg		72	45 - 115	1	35
Hexachlorobenzene	ND		1.32	1.00		mg/Kg		76	48 - 115	2	35
Pentachlorophenol	ND		2.64	0.929		mg/Kg		35	7 - 132	8	35
Phenanthrene	ND		1.32	0.943		mg/Kg		71	38 - 115	5	35
Anthracene	ND		1.32	0.939		mg/Kg		71	47 - 115	4	35
Di-n-butyl phthalate	ND		1.32	0.888		mg/Kg		67	46 - 115	0	35
Fluoranthene	ND		1.32	0.805		mg/Kg		61	40 - 115	2	35
Pyrene	ND		1.32	1.11		mg/Kg		84	35 - 115	3	35
Butyl benzyl phthalate	ND		1.32	1.06		mg/Kg		80	40 - 115	0	35
3,3'-Dichlorobenzidine	ND		1.32	0.730		mg/Kg		55	17 - 115	2	35
Benzo[a]anthracene	ND		1.32	0.953		mg/Kg		72	42 - 115	2	35
Bis(2-ethylhexyl) phthalate	ND		1.32	1.09		mg/Kg		81	42 - 115	0	35
Chrysene	ND		1.32	0.958		mg/Kg		72	37 - 115	4	35
Di-n-octyl phthalate	ND		1.32	0.824		mg/Kg		62	46 - 115	2	35
Benzo[b]fluoranthene	ND		1.32	0.890		mg/Kg		67	43 - 115	2	35
Benzo[a]pyrene	ND		1.32	0.949		mg/Kg		72	48 - 115	1	35
Benzo[k]fluoranthene	ND		1.32	1.03		mg/Kg		78	39 - 115	2	35
Indeno[1,2,3-cd]pyrene	ND		1.32	0.943		mg/Kg		71	50 - 115	3	35
Benzo[g,h,i]perylene	ND		1.32	0.876		mg/Kg		66	43 - 115	9	35
Benzoic acid	ND		1.32	ND	F2	mg/Kg		21	0 - 115	61	35
Azobenzene	ND		1.32	0.855		mg/Kg		65	48 - 115	7	35
Dibenz(a,h)anthracene	ND		1.32	0.956		mg/Kg		72	49 - 115	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*53*		*21 - 98*
2-Fluorobiphenyl	*66*		*30 - 112*
Terphenyl-d14	*96*		*32 - 117*
2-Fluorophenol	*0*	*X*	*28 - 98*
Phenol-d5	*18*	*X*	*23 - 101*
2,4,6-Tribromophenol	*25*	*X*	*37 - 114*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-154714/1-A
Matrix: Solid
Analysis Batch: 154708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		03/06/14 08:54	03/07/14 02:21	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		03/06/14 08:54	03/07/14 02:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*94*		*40 - 130*	*03/06/14 08:54*	*03/07/14 02:21*	*1*

Lab Sample ID: LCS 720-154714/2-A
Matrix: Solid
Analysis Batch: 154708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			82.4	73.3		mg/Kg		89	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*103*		*40 - 130*

Lab Sample ID: LCSD 720-154714/3-A
Matrix: Solid
Analysis Batch: 154708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154714

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			83.1	67.6		mg/Kg		81	50 - 150	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*99*		*40 - 130*

Lab Sample ID: 720-55868-5 MS
Matrix: Solid
Analysis Batch: 154788

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	72		82.7	164		mg/Kg		112	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*82*		*40 - 130*

Lab Sample ID: 720-55868-5 MSD
Matrix: Solid
Analysis Batch: 154788

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	72		83.0	160		mg/Kg		106	50 - 150	3	30

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 720-55868-5 MSD
Matrix: Solid
Analysis Batch: 154788

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Prep Type: Total/NA
Prep Batch: 154714

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
p-Terphenyl	*89*		*40 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-154585/1-A
Matrix: Solid
Analysis Batch: 154639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Arsenic	ND		1.0		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Barium	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Beryllium	ND		0.10		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Cadmium	ND		0.13		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Chromium	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Cobalt	ND		0.20		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Copper	ND		1.5		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Lead	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Molybdenum	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Nickel	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Selenium	ND		1.0		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Silver	ND		0.25		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Thallium	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Vanadium	ND		0.50		mg/Kg		03/04/14 19:17	03/05/14 10:26	1
Zinc	ND		1.5		mg/Kg		03/04/14 19:17	03/05/14 10:26	1

Lab Sample ID: LCS 720-154585/2-A
Matrix: Solid
Analysis Batch: 154639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	45.6		mg/Kg		91	80 - 120
Arsenic	50.0	47.7		mg/Kg		95	80 - 120
Barium	50.0	51.0		mg/Kg		102	80 - 120
Beryllium	50.0	48.6		mg/Kg		97	80 - 120
Cadmium	50.0	48.5		mg/Kg		97	80 - 120
Chromium	50.0	48.9		mg/Kg		98	80 - 120
Cobalt	50.0	49.9		mg/Kg		100	80 - 120
Copper	50.0	48.8		mg/Kg		98	80 - 120
Lead	50.0	49.4		mg/Kg		99	80 - 120
Molybdenum	50.0	48.6		mg/Kg		97	80 - 120
Nickel	50.0	49.3		mg/Kg		99	80 - 120
Selenium	50.0	46.3		mg/Kg		93	80 - 120
Silver	25.0	23.4		mg/Kg		94	80 - 120
Thallium	50.0	49.4		mg/Kg		99	80 - 120
Vanadium	50.0	48.0		mg/Kg		96	80 - 120
Zinc	50.0	48.7		mg/Kg		97	80 - 120

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

Lab Sample ID: LCSD 720-154585/3-A
Matrix: Solid
Analysis Batch: 154639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154585

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	46.1		mg/Kg		92	80 - 120	1	20
Arsenic	50.0	47.6		mg/Kg		95	80 - 120	0	20
Barium	50.0	50.6		mg/Kg		101	80 - 120	1	20
Beryllium	50.0	48.3		mg/Kg		97	80 - 120	1	20
Cadmium	50.0	48.0		mg/Kg		96	80 - 120	1	20
Chromium	50.0	48.3		mg/Kg		97	80 - 120	1	20
Cobalt	50.0	49.4		mg/Kg		99	80 - 120	1	20
Copper	50.0	48.2		mg/Kg		96	80 - 120	1	20
Lead	50.0	48.8		mg/Kg		98	80 - 120	1	20
Molybdenum	50.0	48.4		mg/Kg		97	80 - 120	0	20
Nickel	50.0	48.8		mg/Kg		98	80 - 120	1	20
Selenium	50.0	46.0		mg/Kg		92	80 - 120	1	20
Silver	25.0	23.1		mg/Kg		92	80 - 120	1	20
Thallium	50.0	49.1		mg/Kg		98	80 - 120	1	20
Vanadium	50.0	47.9		mg/Kg		96	80 - 120	0	20
Zinc	50.0	48.2		mg/Kg		96	80 - 120	1	20

Lab Sample ID: LCSSRM 720-154585/10-A
Matrix: Solid
Analysis Batch: 154639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154585

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	47.7		mg/Kg		64	11 - 101
Arsenic	45.5	42.1		mg/Kg		93	69 - 119
Barium	579	540		mg/Kg		93	61 - 117
Beryllium	155	141		mg/Kg		91	56 - 102
Cadmium	201	180		mg/Kg		90	67 - 118
Chromium	106	95.5		mg/Kg		90	67 - 121
Cobalt	247	230		mg/Kg		93	64 - 133
Copper	130	119		mg/Kg		92	68 - 126
Lead	302	271		mg/Kg		90	62 - 113
Molybdenum	165	151		mg/Kg		91	62 - 128
Nickel	305	276		mg/Kg		91	65 - 117
Selenium	133	122		mg/Kg		92	63 - 126
Silver	33.5	30.4		mg/Kg		91	51 - 130
Thallium	191	173		mg/Kg		91	64 - 124
Vanadium	214	196		mg/Kg		92	67 - 123
Zinc	388	346		mg/Kg		89	62 - 110

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-154731/1-A
Matrix: Solid
Analysis Batch: 154785

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		03/06/14 11:38	03/06/14 19:43	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-154731/2-A
Matrix: Solid
Analysis Batch: 154785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.807		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-154731/3-A
Matrix: Solid
Analysis Batch: 154785

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 154731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.805		mg/Kg		97	80 - 120	0	20

GC/MS VOA

Analysis Batch: 154670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8260B/CA_LUFT MS	154686
LCS 720-154670/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-154670/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-154670/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-154670/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-154670/23	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 154686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 154593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3546	
720-55868-5 MS	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3546	
720-55868-5 MSD	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3546	
LCS 720-154593/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-154593/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-154593/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 154636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8270C	154593
720-55868-5 MS	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8270C	154593
720-55868-5 MSD	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8270C	154593
LCS 720-154593/2-A	Lab Control Sample	Total/NA	Solid	8270C	154593
LCSD 720-154593/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	154593
MB 720-154593/1-A	Method Blank	Total/NA	Solid	8270C	154593

GC Semi VOA

Analysis Batch: 154708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-154714/2-A	Lab Control Sample	Total/NA	Solid	8015B	154714
LCSD 720-154714/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	154714
MB 720-154714/1-A	Method Blank	Total/NA	Solid	8015B	154714

Prep Batch: 154714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3546	
720-55868-5 MS	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3546	
720-55868-5 MSD	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3546	
LCS 720-154714/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-154714/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 154714 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-154714/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 154788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8015B	154714
720-55868-5 MS	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8015B	154714
720-55868-5 MSD	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	8015B	154714

Metals

Prep Batch: 154585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	3050B	
LCS 720-154585/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-154585/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-154585/10-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-154585/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 154639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	6010B	154585
LCS 720-154585/2-A	Lab Control Sample	Total/NA	Solid	6010B	154585
LCSD 720-154585/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	154585
LCSSRM 720-154585/10-A	Lab Control Sample	Total/NA	Solid	6010B	154585
MB 720-154585/1-A	Method Blank	Total/NA	Solid	6010B	154585

Prep Batch: 154731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	7471A	
LCS 720-154731/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-154731/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-154731/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 154785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Total/NA	Solid	7471A	154731
LCS 720-154731/2-A	Lab Control Sample	Total/NA	Solid	7471A	154731
LCSD 720-154731/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	154731
MB 720-154731/1-A	Method Blank	Total/NA	Solid	7471A	154731

Lab Chronicle

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Client Sample ID: DRUM#1,2,3,4 COMPOSITE

Lab Sample ID: 720-55868-5

Date Collected: 03/04/14 11:30

Matrix: Solid

Date Received: 03/04/14 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			154686	03/05/14 20:11	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	154670	03/05/14 22:39	ASC	TAL PLS
Total/NA	Prep	3546			154593	03/04/14 21:19	AFM	TAL PLS
Total/NA	Analysis	8270C		1	154636	03/05/14 17:52	MQL	TAL PLS
Total/NA	Prep	3546			154714	03/06/14 08:54	STL	TAL PLS
Total/NA	Analysis	8015B		1	154788	03/07/14 09:58	JL	TAL PLS
Total/NA	Prep	3050B			154585	03/04/14 19:17	CTD	TAL PLS
Total/NA	Analysis	6010B		4	154639	03/05/14 11:04	EFH	TAL PLS
Total/NA	Prep	7471A			154731	03/06/14 11:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	154785	03/06/14 20:11	SLK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Solid	03/04/14 11:30	03/04/14 13:20

San Francisco

720-55868

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

152189

TestAmerica Laboratories, Inc.

3/7/2014

Pleasanton, CA 94566
phone 925 484.1919 fax 925.600.3002

Client Contact	Project Manager: Julia Siudyla	Site Contact: J.S.	Date: 3-4-14	COC No:
ACC Environmental Consultants	Tel/Fax:	Lab Contact: DMPLE	Carrier: ACC	1 of 1 COCs
7977 Capwell Drive, Suite 100	Analysis Turnaround Time			Job No
Oakland, CA 94621	Calendar (C) or Work Days (W) ____			3054-103.
(510) 638-8400 Phone	TAT if different from Below ____			SDG No.
(510) 638-8404 FAX	☐ 2 weeks			
Project Name: LVJUSD	☒ 1 week			
Site: 2900 LADD Ave	☐ 2 days			
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	VOCs / TPHg 8260B	SVOCs 8270	CAM 17 6010	TPH 8015M	Sample Specific Notes:
Drum #1	3-4-14	11:30	Composite	S	1		X	X	X	X	
Drum #2	3-4-14	11:35		S	1						
Drum #3	3-4-14	11:40		S	1						
Drum #4	3-4-14	11:45		S	1						

720-55868 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

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

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

Special Instructions/QC Requirements & Comments:

7.3°C

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ACC	3-4-14/1320			3-4-14 1320
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

Login Sample Receipt Checklist

Client: ACC Environmental Consultants

Job Number: 720-55868-1

Login Number: 55868

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-55868-2
Client Project/Site: LVJUSD

For:
ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, California 94621

Attn: Julia Siudyla

Authorized for release by:
3/18/2014 2:39:17 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

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

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

Table of Contents

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)
Dil Fac	Dilution Factor
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)

Case Narrative

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Job ID: 720-55868-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-55868-2

Comments
No additional comments.

Receipt
The samples were received on 3/4/2014 1:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 7.3º C.

Metals
No analytical or quality issues were noted.

Detection Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Client Sample ID: DRUM#1,2,3,4 COMPOSITE — Lab Sample ID: 720-55868-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.58		0.10		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Client Sample ID: DRUM#1,2,3,4 COMPOSITE
Lab Sample ID: 720-55868-5
Date Collected: 03/04/14 11:30
Matrix: Solid
Date Received: 03/04/14 13:20

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.58		0.10		mg/L		03/14/14 18:50	03/17/14 13:42	1

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-155338/1-A
Matrix: Solid
Analysis Batch: 155425

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 155338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		03/14/14 18:50	03/17/14 13:07	1

Lab Sample ID: LCS 720-155338/2-A
Matrix: Solid
Analysis Batch: 155425

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 155338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	0.839		mg/L		84	80 - 120

Lab Sample ID: LCSD 720-155338/3-A
Matrix: Solid
Analysis Batch: 155425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 155338

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	1.00	0.858		mg/L		86	80 - 120	2	20

Lab Sample ID: LB4 720-155078/1-D
Matrix: Solid
Analysis Batch: 155425

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 155338

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		03/14/14 18:50	03/17/14 13:19	1

QC Association Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Metals

Leach Batch: 155078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	STLC Citrate	Solid	CA WET Citrate	
LB4 720-155078/1-D	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 155338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	STLC Citrate	Solid	3005A	155078
LB4 720-155078/1-D	Method Blank	STLC Citrate	Solid	3005A	155078
LCS 720-155338/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-155338/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-155338/1-A	Method Blank	Total Recoverable	Solid	3005A	

Analysis Batch: 155425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55868-5	DRUM#1,2,3,4 COMPOSITE	STLC Citrate	Solid	6010B	155338
LB4 720-155078/1-D	Method Blank	STLC Citrate	Solid	6010B	155338
LCS 720-155338/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	155338
LCSD 720-155338/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	155338
MB 720-155338/1-A	Method Blank	Total Recoverable	Solid	6010B	155338

Lab Chronicle

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Client Sample ID: DRUM#1,2,3,4 COMPOSITE — **Lab Sample ID: 720-55868-5**

Date Collected: 03/04/14 11:30 — **Matrix: Solid**

Date Received: 03/04/14 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			155078	03/12/14 08:18	ASB	TAL PLS
STLC Citrate	Prep	3005A			155338	03/14/14 18:50	ASB	TAL PLS
STLC Citrate	Analysis	6010B		1	155425	03/17/14 13:42	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: ACC Environmental Consultants
Project/Site: LVJUSD

TestAmerica Job ID: 720-55868-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-55868-5	DRUM#1,2,3,4 COMPOSITE	Solid	03/04/14 11:30	03/04/14 13:20

Sharma, Dimple 720-55868 Job 2

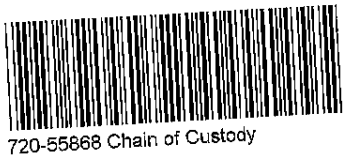
From: Julia Siudyla [jsiudyla@accenv.com]
Sent: Tuesday, March 11, 2014 2:37 PM
To: Sharma, Dimple
Subject: Re: Files from 720-55868-1 LVJUSD

Can you run the STLC on the Chrom.

Julia Siudyla
Project Geologist
ACC Environmental Consultants
7977 Capwell Drive
Oakland, CA 94621

ph: 510-638-8400 x118
Cell: 510-289-6984
fax: 510-638-8404

jsiudyla@accenv.com


720-55868 Chain of Custody

On Mar 7, 2014, at 2:56 PM, Sharma, Dimple <Dimple.Sharma@testamericainc.com> wrote:

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

DIMPLE SHARMA

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

Reference: [152870]
Attachments: 2

<J55868-1 UDS Level 2 Report Final Report.pdf><720-55868-1_Std_Tal.csv>

Login Sample Receipt Checklist

Client: ACC Environmental Consultants

Job Number: 720-55868-2

Login Number: 55868

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAL000006251
2. Page 1 of: 1
3. Emergency Response Phone: 510-562-6181
4. Manifest Tracking Number: 010777236 JJK

GENERATOR

5. Generator's Name and Mailing Address: Livermore Valley Joint SD, 685 E. Jack London Boulevard, Livermore CA 94551, Att: Maintenance
Generator's Phone: 925 6063390
Generator's Site Address (if different than mailing address): Livermore Valley Joint SD, 2801 Ladd Aveenue, Livermore CA 94551

6. Transporter 1 Company Name: Bayview Environmental Services, Inc.
U.S. EPA ID Number: CAL000298854

7. Transporter 2 Company Name: Environmental Logistics Inc
U.S. EPA ID Number: CIAR000217513

8. Designated Facility Name and Site Address: Crosby & Overton, 1630 W. 17th Street, Long Beach CA 90813
Facility's Phone: 562 432-5445
U.S. EPA ID Number: CAD028409019

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. ~~Non-RCRA Hazardous Waste Liquid~~ J-C.		DM		G	223
	2. Non-RCRA Hazardous Waste Solid	04	DM	2,000	P	223 352
	3.					
	4.					

14. Special Handling Instructions and Additional Information
~~1)Water with trace metals and organics ERG# 172 Prof# 85933 ERG#171 2)~~Soil with trace metals and organics ERG# 172 Prof# 85932 J-C.
BV JOB# 13140

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JOY SANCHEZ
Signature: Joy Sanchez
Month 3 Day 24 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jaime Cerna
Signature: Jaime Cerna
Month 03 Day 24 Year 14

Transporter 2 Printed/Typed Name: Lisa M Christensen
Signature: Lisa M Christensen
Month 3 Day 24 Year 14

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED