Falcon Refinery Superfund Site
Ingleside
San Patricio County, Texas
TXD 086 278 058

Monthly Progress Report # 69

April 2012

Prepared for

Lazarus Texas Refining I, LLC
801 Travis Street, Suite 2100
Houston, Texas 77002

Prepared by

TRC

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May 10, 2012

9568492

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1.0 INTRODUCTION

This sixty-ninth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO). Since the submission of the last monthly progress report the refinery has been sold to Lazarus Texas Refining I, LLC (Lazarus).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering May, 2012 will be submitted on or before June 10, 2012.

2.0 COMPLETED ACTIVITIES

2.1 Removal Action Activities

During April the focus of activities was the implementation of the TCEQ permitted irrigation system to allow the discharge of fluid from Tank 26. Provide as Figure 1 is an above ground storage tank map of the facility. Specifically the activities associated with the irrigation system included:

- Visually inspecting the fluid in Tank 26;
- Procuring two frac tanks, piping, sprinkler heads, a centrifuge and a treatment system;
- Discussing solid waste disposal with U.S. Ecology; and
- Initiating the installation of the irrigation system after the construction of berms around the discharge location of the irrigation system.

Additionally site activities during April included:

- Cutting doors in Tanks 12 and 30 to facilitate the removal of liquid in sludge that remains in the tanks;
- Initiating the removal of the internal floating roof and sludge from Tank 12;
- Sampled and visually inspecting the fluid in Tank 26 at one foot intervals to identify the liquid phases in the tank, samples from the inspection were used to develop the most effective means of dealing with the emulsion in the tank;
- Sampling the fluid in Tanks 12 and 30 (Appendix A);
- Construction of a proper firewall around Tank 26;
- Mowing the site;
- Resurfacing the pad in the former Tank 27 area;
- Clearing vegetation around facility piping;
- Repairing facility roads;
- Preparing a Spill Prevent Control and Countermeasure Plan;
- Collecting and storing fiberglass insulation that was around tanks that were removed;
- Obtaining a site survey;
- Segregating trash including loose metal and tires; and

To date a total of approximately 7,774,721 gallons of hazardous waste have been removed from all of the above ground tanks and disposed via deep well injection at Texas Molecular.

Prior to the beginning of liquid waste disposal in October 2004, the volume of waste in the above ground storage tanks was measured at 6,844,094 gallons. Apparently due to holes in the tops of the tanks the volume of waste has increased due to rainfall, since more waste has been disposed of than was originally measured.

A compilation of hazardous liquid waste disposal is included as Table 1.

2.2 Remedial Investigation / Feasibility Study (RI/FS)

There are no activities to report for the month of April.

3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD

Modifications to the irrigation system were discussed with the TCEQ.

4.0 COMMUNITY RELATIONS

The EPA has developed a web site to display information about the Removal Action and RI/FS activities. Information can be found by going to www.epaosc.net and selecting web sites, then Region 6 and then the Falcon Refinery Site.

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

Lazarus is now the owner of the site and is performing the Removal Action.

6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS

6.1 Removal Action Work projected for the next two months includes:

- Implement Removal Action Work Plan Addendum No.3;
- Cleanout of tanks 7, 12, 16, 30 and the butane tank;
- Initiation of discharge irrigation system; and
- Continued site maintenance.

6.2 RI/FS Work projected for the next two months includes:

- Assisting the EPA in any way with the RI/FS.

7.0 LABORATORY / MONITORING DATA

Analytical results of contents of Tanks 12 and 30 are provided as Appendix A.

FIGURE

Source: National Agriculture Imagery Program (NAIP) 2009 Aerial Photography.

N

0 200 400
Feet

ABOVE GROUND STORAGE TANK MAP

FALCON REFINERY
INGELSIDE, SAN PATRICIO COUNTY, TEXAS

PROJECT NO.: 182978 | DATE: 4/29/2011

TRC
505 EAST HUNTLAND DRIVE
SUITE 250
AUSTIN, TEXAS 78752
512-329-6080

FIGURE
1

TABLES

Table 1. Hazardous Liquid Waste Disposal

DISPOSAL FACILITY		ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP		**6901 Greenwood Dr. Corpus Christi, TX**	**361-852-8284**	**TXR000001016**	**Robert Rodriguez**
RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)					
		Month	**Volume (gal)**		
		October-04	53,832		
		November-04	734,763		
		December-04	879,158		
		January-05	783,881		
		February-05	551,444		
		March-05	565,489		
		April-05	445,107		
		May-05	471,311		
		December-05	42,550		
		January-06	58,740		
		February-06	59,140		
		March-06	0		
		April-06	29,371		
		May-06	59,018		
		June-06	97,151		
		July-06	118,743		
		August-06	148,509		
		September-06	109,908		
		October-06	86,665		
		November-06	140,498		
		December-06	85,813		
		January-07	118,541		
		February-07	107,985		
		March-07	152,493		
		April-07	121,588		
		May-07	150,368		
		June-07	87,900		
		July-07	143,485		
		August-07	94,727		
		September-07	0		
		October-07	50,298		
		November-07	151,227		
		December-07	112,285		
		January-08	119,353		
		February-08	88,777		
		March-08	60,913		
		April-08	18,695		
		May-08	25,349		
		June-08	0		

		July-08	250,475		
		August-08	331,248		
		September-08	67,923		
		October-08	0		
		November-08	0		
		December-08	0		
		January-09	0		
		February-09	0		
		March-09	0		
		April-09	0		
		May-09	0		
		June-09	0		
		July-09	0		
		Total	**7,774,721**		

Table 2. Metal Disposal

DISPOSAL FACILITY		ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company		**4614 Agnes St Corpus Christi, TX**	**361-884-4071**	**None**	**David**
		RECYCLED METAL			
		Month	**Volume (lbs)**		
		October-04	0		
		November-04	16,820		
		December-04	19,640		
		January-05	31,380		
		February-05	0		
		Total	**67,840**		
		FIRE EXTINGUISHERS			
		Month	**Quantity**		
		December-04	10		
		Total	**10**		
	Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site. The powder was disposed of properly and the metal went to salvage.				

Table 3. Contaminated Soil and Oily Debris Disposal

DISPOSAL FACILITY		ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.		P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner
	PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS				
		Month	Volume (cy)		
		October-04	0		
		November-04	0		
		December-04	40		
		January-05	0		
		February-05	0		
		Total	**40**		
RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)					
		Month	Volume (cy)		
		February-05	15		
		Total	**15**		

Table 4. Oil and Filter Disposal

DISPOSAL FACILITY		ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP		6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez
		RECYLCED OIL AND FILTERS			
		Month	Volume (gal)		
		January-05	403		
		February-05	0		
		Total	**403**		
DISPOSAL FACILITY		ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC		2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke
		RECYLCED OIL AND FILTERS			
		Month	Volume (gal)		
		January-05	16,651		
		February-05	0		
		Total	**16,651**		

APPENDIX A
Analytical Results of the Contents of Tanks 12 and 30

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Tel: (361)289-2673

TestAmerica Job ID: 560-31594-1
Client Project/Site: Falcon Refinery

For:
TRC Solutions, Inc.
303 W. Avenue A
Kingsville, Texas 78363

Attn: Mr. Alonzo Arredondo

Erica H Padilla

Authorized for release by:
5/3/2012 6:39:20 PM

Erica Padilla
Project Manager I
erica.padilla@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi 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.

Metals

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

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
HF	Field parameter with a holding time of 15 minutes

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
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: 560-31594-1

Laboratory: TestAmerica Corpus Christi

Narrative

Job Narrative
560-31594-1

Comments
No additional comments.

Receipt
The samples were received on 3/30/2012 4:10 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.30 C.

Exception:

The following volatile sample was received with headspace in all sample vials: 560-31594-2. This sample was a dark liquid, however, it was water soluble. The sample was analyzed using water methods.

GC/MS VOA
Method 8260B: The following volatiles sample was diluted due to foaming: 560-31594-2. This sample was also received containing headspace in all vials. Elevated reporting limits (RLs) are provided. Data generated using vials containing headspace should be considered estimated and used at the client's discretion.

Method 8260B: The following sample was diluted due to the abundance of non-target analytes: 560-31594-1. Elevated reporting limits (RLs) are provided.

Method 8260B: The laboratory control sample (LCS) for batch 71247 exceeded control limits for the following analytes: acetone & 2-butanone (MEK). These analytes were biased high in the LCS and were not detected above the reporting limit (RL) in the associated sample; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270C: The following sample was diluted due to the nature of the sample matrix: 560-31594-1. Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method 9040C: Sample pH analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 560-31594-2. Data generated after holding time expires should be considered estimated and used at the client's discretion.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 12 Sludge-North Manway — Lab Sample ID: 560-31594-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1200	J	1500	150	ug/Kg	200		8260B	Total/NA
Styrene	310	J	1500	150	ug/Kg	200		8260B	Total/NA
1,3,5-Trimethylbenzene	4200		1500	150	ug/Kg	200		8260B	Total/NA
1,2,4-Trimethylbenzene	9700		1500	150	ug/Kg	200		8260B	Total/NA
Xylenes, Total	3700	J	4600	150	ug/Kg	200		8260B	Total/NA
Barium	28		2.0	0.38	mg/Kg	1		6010B	Total/NA
Chromium	0.45	J	2.0	0.27	mg/Kg	1		6010B	Total/NA
Lead	1.4		1.0	0.30	mg/Kg	1		6010B	Total/NA
Mercury	2.2		0.83	0.075	mg/Kg	5		7471A	Total/NA
Cyanide, Reactive	230	J	250	86	ug/Kg	1		9012	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Flashpoint	>212		70	70	Degrees F	1		1010A	Total/NA
pH	6.45		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: Tank 30 Water-North Manway — Lab Sample ID: 560-31594-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1000		50	7.0	ug/L	50		8260B	Total/NA
Ethylbenzene	170		50	10	ug/L	50		8260B	Total/NA
Methyl tert-butyl ether	34	J	50	10	ug/L	50		8260B	Total/NA
1,2,4-Trimethylbenzene	120		100	10	ug/L	50		8260B	Total/NA
1,3,5-Trimethylbenzene	48	J	100	10	ug/L	50		8260B	Total/NA
Xylenes, Total	1000		150	11	ug/L	50		8260B	Total/NA
Acenaphthene	3.0	J	9.4	0.54	ug/L	1		8270C	Total/NA
Anthracene	0.91	J	9.4	0.38	ug/L	1		8270C	Total/NA
2,4-Dimethylphenol	44		9.4	0.53	ug/L	1		8270C	Total/NA
Fluorene	3.8	J	9.4	0.57	ug/L	1		8270C	Total/NA
2-Methylnaphthalene	69		9.4	0.40	ug/L	1		8270C	Total/NA
Naphthalene	25		9.4	0.45	ug/L	1		8270C	Total/NA
Phenanthrene	4.8	J	9.4	0.48	ug/L	1		8270C	Total/NA
Phenol	56		9.4	0.94	ug/L	1		8270C	Total/NA
Pyrene	1.1	J	9.4	0.94	ug/L	1		8270C	Total/NA
Ba	1.5		0.010	0.0020	mg/L	1		6010B	TCLP
Cd	0.00049	J	0.0050	0.00034	mg/L	1		6010B	TCLP
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Flashpoint	>212		70	70	Degrees F	1		1010A	Total/NA
pH	6.6	HF	0.10	0.10	SU	1		9040C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 560-31594-3

No Detections

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 12 Sludge-North Manway

Lab Sample ID: 560-31594-1

Date Collected: 03/30/12 12:00
Matrix: Waste
Date Received: 03/30/12 16:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<150		7700	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Chloromethane	<280		7700	280	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Vinyl chloride	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Bromomethane	<270		7700	270	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Chloroethane	<420		7700	420	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Trichlorofluoromethane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Ethyl ether	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1-Dichloroethene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Carbon disulfide	<150		7700	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Iodomethane	<180		1500	180	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Methylene Chloride	<3100		7700	3100	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Acetone	<3100	*	15000	3100	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
trans-1,2-Dichloroethene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Methyl tert-butyl ether	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Acetonitrile	<3100		77000	3100	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1-Dichloroethane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Vinyl acetate	<310		7700	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
cis-1,2-Dichloroethene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
2,2-Dichloropropane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Chloroform	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Ethyl acetate	<650		7700	650	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Carbon tetrachloride	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1,1-Trichloroethane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1-Dichloropropene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Benzene	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,2-Dichloroethane	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Trichloroethene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Dibromomethane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,2-Dichloropropane	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Dichlorobromomethane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Methyl methacrylate	<450		7700	450	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,4-Dioxane	<11000		150000	11000	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
cis-1,3-Dichloropropene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Toluene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
2-Nitropropane	<620		7700	620	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
4-Methyl-2-pentanone (MIBK)	<620		7700	620	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
trans-1,3-Dichloropropene	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Tetrachloroethene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Ethyl methacrylate	<310		7700	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1,2-Trichloroethane	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Chlorodibromomethane	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,3-Dichloropropane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Ethylene Dibromide	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
2-Hexanone	<310		7700	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Chlorobenzene	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Ethylbenzene	**1200**	**J**	1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Bromoform	<310		7700	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Styrene	**310**	**J**	1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1,2,2-Tetrachloroethane	<150		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,2,3-Trichloropropane	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,3,5-Trimethylbenzene	**4200**		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 12 Sludge-North Manway

Lab Sample ID: 560-31594-1

Date Collected: 03/30/12 12:00
Date Received: 03/30/12 16:10

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**9700**		1500	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,2,3-Trichlorobenzene	<310		7700	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
2-Butanone (MEK)	<460	*	7700	460	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
1,1,2-Trichloro-1,2,2-trifluoroethane	<310		1500	310	ug/Kg		04/02/12 07:36	04/03/12 14:25	200
Xylenes, Total	**3700**	**J**	4600	150	ug/Kg		04/02/12 07:36	04/03/12 14:25	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*60 - 130*	*04/02/12 07:36*	*04/03/12 14:25*	*200*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 130*	*04/02/12 07:36*	*04/03/12 14:25*	*200*
Toluene-d8 (Surr)	*80*		*50 - 130*	*04/02/12 07:36*	*04/03/12 14:25*	*200*
4-Bromofluorobenzene (Surr)	*81*		*37 - 138*	*04/02/12 07:36*	*04/03/12 14:25*	*200*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Bis(2-chloroethyl)ether	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2-Chlorophenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
1,3-Dichlorobenzene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
1,4-Dichlorobenzene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Benzyl alcohol	<2000		2000	2000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
1,2-Dichlorobenzene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2-Methylphenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
3 & 4 Methylphenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
N-Nitrosodi-n-propylamine	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Hexachloroethane	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Nitrobenzene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Isophorone	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2-Nitrophenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,4-Dimethylphenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Bis(2-chloroethoxy)methane	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,4-Dichlorophenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
1,2,4-Trichlorobenzene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Naphthalene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4-Chloroaniline	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Hexachlorobutadiene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4-Chloro-3-methylphenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2-Methylnaphthalene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Hexachlorocyclopentadiene	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,4,6-Trichlorophenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,4,5-Trichlorophenol	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2-Chloronaphthalene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2-Nitroaniline	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Dimethyl phthalate	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Acenaphthylene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,6-Dinitrotoluene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
3-Nitroaniline	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Acenaphthene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,4-Dinitrophenol	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4-Nitrophenol	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Dibenzofuran	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
2,4-Dinitrotoluene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 12 Sludge-North Manway

Lab Sample ID: 560-31594-1

Date Collected: 03/30/12 12:00
Matrix: Waste
Date Received: 03/30/12 16:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Fluorene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4-Chlorophenyl phenyl ether	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4-Nitroaniline	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4,6-Dinitro-2-methylphenol	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
N-Nitrosodiphenylamine	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
4-Bromophenyl phenyl ether	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Hexachlorobenzene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Phenanthrene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Anthracene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Di-n-butyl phthalate	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Fluoranthene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Pyrene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Butyl benzyl phthalate	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Benzo[a]anthracene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Chrysene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Bis(2-ethylhexyl) phthalate	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Di-n-octyl phthalate	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Benzo[b]fluoranthene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Benzo[k]fluoranthene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Benzo[a]pyrene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Indeno[1,2,3-cd]pyrene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Dibenz(a,h)anthracene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Benzo[g,h,i]perylene	<1000		1000	1000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
3,3'-Dichlorobenzidine	<2000		2000	2000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10
Pentachlorophenol	<5000		5000	5000	mg/Kg		04/09/12 09:00	04/09/12 18:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*90*		*20 - 130*	*04/09/12 09:00*	*04/09/12 18:00*	*10*
Phenol-d5	*96*		*11 - 130*	*04/09/12 09:00*	*04/09/12 18:00*	*10*
Nitrobenzene-d5	*97*		*40 - 130*	*04/09/12 09:00*	*04/09/12 18:00*	*10*
2-Fluorobiphenyl	*98*		*50 - 130*	*04/09/12 09:00*	*04/09/12 18:00*	*10*
2,4,6-Tribromophenol	*87*		*22 - 150*	*04/09/12 09:00*	*04/09/12 18:00*	*10*
Terphenyl-d14	*121*		*50 - 135*	*04/09/12 09:00*	*04/09/12 18:00*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.29		4.0	0.29	mg/Kg		04/05/12 10:50	04/05/12 13:56	1
Barium	**28**		2.0	0.38	mg/Kg		04/05/12 10:50	04/05/12 13:56	1
Cadmium	<0.072		1.0	0.072	mg/Kg		04/05/12 10:50	04/05/12 13:56	1
Chromium	**0.45**	**J**	2.0	0.27	mg/Kg		04/05/12 10:50	04/05/12 13:56	1
Lead	**1.4**		1.0	0.30	mg/Kg		04/05/12 10:50	04/05/12 13:56	1
Selenium	<0.39		2.0	0.39	mg/Kg		04/05/12 10:50	04/05/12 13:56	1
Silver	<0.22		1.0	0.22	mg/Kg		04/05/12 10:50	04/05/12 13:56	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.2**		0.83	0.075	mg/Kg		04/02/12 14:30	04/03/12 11:31	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	**230**	**J**	250	86	ug/Kg		04/13/12 14:36	04/13/12 15:30	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 12 Sludge-North Manway

Lab Sample ID: 560-31594-1

Date Collected: 03/30/12 12:00
Matrix: Waste
Date Received: 03/30/12 16:10

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>212**		70	70	Degrees F			04/11/12 15:30	1
Sulfide, Reactive	<50		50	50	mg/Kg		04/02/12 10:40	04/02/12 10:40	1
pH	**6.45**		0.100	0.100	SU			04/04/12 08:00	1

Client Sample ID: Tank 30 Water-North Manway

Lab Sample ID: 560-31594-2

Date Collected: 03/30/12 12:10
Matrix: Water
Date Received: 03/30/12 16:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<250		500	250	ug/L			04/03/12 14:17	50
Acetonitrile	<500		2500	500	ug/L			04/03/12 14:17	50
Benzene	**1000**		50	7.0	ug/L			04/03/12 14:17	50
Bromoform	<25		250	25	ug/L			04/03/12 14:17	50
Bromomethane	<20		250	20	ug/L			04/03/12 14:17	50
2-Butanone (MEK)	<50		1000	50	ug/L			04/03/12 14:17	50
Carbon disulfide	<25		250	25	ug/L			04/03/12 14:17	50
Carbon tetrachloride	<13		50	13	ug/L			04/03/12 14:17	50
Chlorobenzene	<6.8		50	6.8	ug/L			04/03/12 14:17	50
Chlorodibromomethane	<11		50	11	ug/L			04/03/12 14:17	50
Chloroethane	<20		250	20	ug/L			04/03/12 14:17	50
Chloroform	<8.7		50	8.7	ug/L			04/03/12 14:17	50
Chloromethane	<20		250	20	ug/L			04/03/12 14:17	50
cis-1,2-Dichloroethene	<6.1		50	6.1	ug/L			04/03/12 14:17	50
cis-1,3-Dichloropropene	<7.3		50	7.3	ug/L			04/03/12 14:17	50
Dibromomethane	<8.3		50	8.3	ug/L			04/03/12 14:17	50
Dichlorobromomethane	<8.8		50	8.8	ug/L			04/03/12 14:17	50
Dichlorodifluoromethane	<21		250	21	ug/L			04/03/12 14:17	50
1,1-Dichloroethane	<8.4		50	8.4	ug/L			04/03/12 14:17	50
1,2-Dichloroethane	<8.0		50	8.0	ug/L			04/03/12 14:17	50
1,1-Dichloroethene	<15		50	15	ug/L			04/03/12 14:17	50
1,2-Dichloropropane	<8.7		50	8.7	ug/L			04/03/12 14:17	50
1,3-Dichloropropane	<7.3		50	7.3	ug/L			04/03/12 14:17	50
2,2-Dichloropropane	<17		50	17	ug/L			04/03/12 14:17	50
1,1-Dichloropropene	<9.3		50	9.3	ug/L			04/03/12 14:17	50
1,4-Dioxane	<370		5000	370	ug/L			04/03/12 14:17	50
Ethyl acetate	<50		250	50	ug/L			04/03/12 14:17	50
Ethylbenzene	**170**		50	10	ug/L			04/03/12 14:17	50
Ethylene Dibromide	<7.5		50	7.5	ug/L			04/03/12 14:17	50
Ethyl ether	<6.8		50	6.8	ug/L			04/03/12 14:17	50
Ethyl methacrylate	<25		250	25	ug/L			04/03/12 14:17	50
2-Hexanone	<10		250	10	ug/L			04/03/12 14:17	50
Iodomethane	<11		50	11	ug/L			04/03/12 14:17	50
Methylene Chloride	<100		250	100	ug/L			04/03/12 14:17	50
Methyl methacrylate	<9.8		250	9.8	ug/L			04/03/12 14:17	50
4-Methyl-2-pentanone (MIBK)	<5.8		250	5.8	ug/L			04/03/12 14:17	50
Methyl tert-butyl ether	**34**	**J**	50	10	ug/L			04/03/12 14:17	50
2-Nitropropane	<11		250	11	ug/L			04/03/12 14:17	50
Styrene	<10		50	10	ug/L			04/03/12 14:17	50
1,1,2,2-Tetrachloroethane	<9.5		50	9.5	ug/L			04/03/12 14:17	50
Tetrachloroethene	<9.5		50	9.5	ug/L			04/03/12 14:17	50
Toluene	<15		50	15	ug/L			04/03/12 14:17	50

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 30 Water-North Manway

Lab Sample ID: 560-31594-2

Date Collected: 03/30/12 12:10
Date Received: 03/30/12 16:10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<10		50	10	ug/L			04/03/12 14:17	50
trans-1,3-Dichloropropene	<10		50	10	ug/L			04/03/12 14:17	50
1,2,3-Trichlorobenzene	<11		250	11	ug/L			04/03/12 14:17	50
1,1,1-Trichloroethane	<15		50	15	ug/L			04/03/12 14:17	50
1,1,2-Trichloroethane	<8.7		50	8.7	ug/L			04/03/12 14:17	50
Trichloroethene	<16		50	16	ug/L			04/03/12 14:17	50
Trichlorofluoromethane	<12		50	12	ug/L			04/03/12 14:17	50
1,2,3-Trichloropropane	<9.6		50	9.6	ug/L			04/03/12 14:17	50
1,1,2-Trichloro-1,2,2-trifluoroethane	<14		50	14	ug/L			04/03/12 14:17	50
1,2,4-Trimethylbenzene	**120**		100	10	ug/L			04/03/12 14:17	50
1,3,5-Trimethylbenzene	**48**	**J**	100	10	ug/L			04/03/12 14:17	50
Vinyl acetate	<15		250	15	ug/L			04/03/12 14:17	50
Vinyl chloride	<15		50	15	ug/L			04/03/12 14:17	50
Xylenes, Total	**1000**		150	11	ug/L			04/03/12 14:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*04/03/12 14:17*	*50*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*04/03/12 14:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/03/12 14:17*	*50*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/03/12 14:17*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.0**	**J**	9.4	0.54	ug/L		04/04/12 15:00	04/06/12 19:01	1
Acenaphthylene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Anthracene	**0.91**	**J**	9.4	0.38	ug/L		04/04/12 15:00	04/06/12 19:01	1
Benzo[a]anthracene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Benzo[a]pyrene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Benzo[b]fluoranthene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Benzo[g,h,i]perylene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Benzo[k]fluoranthene	<0.34		9.4	0.34	ug/L		04/04/12 15:00	04/06/12 19:01	1
Benzyl alcohol	<1.3		9.4	1.3	ug/L		04/04/12 15:00	04/06/12 19:01	1
Bis(2-chloroethoxy)methane	<0.56		9.4	0.56	ug/L		04/04/12 15:00	04/06/12 19:01	1
Bis(2-chloroethyl)ether	<0.67		9.4	0.67	ug/L		04/04/12 15:00	04/06/12 19:01	1
Bis(2-ethylhexyl) phthalate	<1.8		9.4	1.8	ug/L		04/04/12 15:00	04/06/12 19:01	1
4-Bromophenyl phenyl ether	<0.70		9.4	0.70	ug/L		04/04/12 15:00	04/06/12 19:01	1
Butyl benzyl phthalate	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
4-Chloroaniline	<0.43		9.4	0.43	ug/L		04/04/12 15:00	04/06/12 19:01	1
4-Chloro-3-methylphenol	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
2-Chloronaphthalene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
2-Chlorophenol	<0.34		9.4	0.34	ug/L		04/04/12 15:00	04/06/12 19:01	1
4-Chlorophenyl phenyl ether	<0.49		9.4	0.49	ug/L		04/04/12 15:00	04/06/12 19:01	1
Chrysene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Dibenz(a,h)anthracene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Dibenzofuran	<0.48		9.4	0.48	ug/L		04/04/12 15:00	04/06/12 19:01	1
1,2-Dichlorobenzene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
1,3-Dichlorobenzene	<1.9		9.4	1.9	ug/L		04/04/12 15:00	04/06/12 19:01	1
1,4-Dichlorobenzene	<0.70		9.4	0.70	ug/L		04/04/12 15:00	04/06/12 19:01	1
3,3'-Dichlorobenzidine	<0.94		9.4	0.94	ug/L		04/04/12 15:00	04/06/12 19:01	1
2,4-Dichlorophenol	<0.37		9.4	0.37	ug/L		04/04/12 15:00	04/06/12 19:01	1
Diethyl phthalate	<0.49		9.4	0.49	ug/L		04/04/12 15:00	04/06/12 19:01	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 30 Water-North Manway

Lab Sample ID: 560-31594-2

Date Collected: 03/30/12 12:10
Matrix: Water
Date Received: 03/30/12 16:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**44**		9.4	0.53	ug/L		04/04/12 15:00	04/06/12 19:01	1
Dimethyl phthalate	<0.52		9.4	0.52	ug/L		04/04/12 15:00	04/06/12 19:01	1
Di-n-butyl phthalate	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
4,6-Dinitro-2-methylphenol	<1.7		9.4	1.7	ug/L		04/04/12 15:00	04/06/12 19:01	1
2,4-Dinitrophenol	<0.88		9.4	0.88	ug/L		04/04/12 15:00	04/06/12 19:01	1
2,4-Dinitrotoluene	<0.36		9.4	0.36	ug/L		04/04/12 15:00	04/06/12 19:01	1
2,6-Dinitrotoluene	<0.49		9.4	0.49	ug/L		04/04/12 15:00	04/06/12 19:01	1
Di-n-octyl phthalate	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Fluoranthene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Fluorene	**3.8**	**J**	9.4	0.57	ug/L		04/04/12 15:00	04/06/12 19:01	1
Hexachlorobenzene	<0.62		9.4	0.62	ug/L		04/04/12 15:00	04/06/12 19:01	1
Hexachlorobutadiene	<0.94		9.4	0.94	ug/L		04/04/12 15:00	04/06/12 19:01	1
Hexachlorocyclopentadiene	<4.7		9.4	4.7	ug/L		04/04/12 15:00	04/06/12 19:01	1
Hexachloroethane	<0.94		9.4	0.94	ug/L		04/04/12 15:00	04/06/12 19:01	1
Indeno[1,2,3-cd]pyrene	<0.47		9.4	0.47	ug/L		04/04/12 15:00	04/06/12 19:01	1
Isophorone	<0.59		9.4	0.59	ug/L		04/04/12 15:00	04/06/12 19:01	1
2-Methylnaphthalene	**69**		9.4	0.40	ug/L		04/04/12 15:00	04/06/12 19:01	1
2-Methylphenol	<0.46		9.4	0.46	ug/L		04/04/12 15:00	04/06/12 19:01	1
3 & 4 Methylphenol	<0.83		19	0.83	ug/L		04/04/12 15:00	04/06/12 19:01	1
Naphthalene	**25**		9.4	0.45	ug/L		04/04/12 15:00	04/06/12 19:01	1
2-Nitroaniline	<0.42		9.4	0.42	ug/L		04/04/12 15:00	04/06/12 19:01	1
3-Nitroaniline	<1.7		9.4	1.7	ug/L		04/04/12 15:00	04/06/12 19:01	1
4-Nitroaniline	<1.4		9.4	1.4	ug/L		04/04/12 15:00	04/06/12 19:01	1
Nitrobenzene	<0.32		9.4	0.32	ug/L		04/04/12 15:00	04/06/12 19:01	1
2-Nitrophenol	<0.38		9.4	0.38	ug/L		04/04/12 15:00	04/06/12 19:01	1
4-Nitrophenol	<1.7		9.4	1.7	ug/L		04/04/12 15:00	04/06/12 19:01	1
N-Nitrosodi-n-propylamine	<0.61		9.4	0.61	ug/L		04/04/12 15:00	04/06/12 19:01	1
N-Nitrosodiphenylamine	<0.48		9.4	0.48	ug/L		04/04/12 15:00	04/06/12 19:01	1
Pentachlorophenol	<4.7		9.4	4.7	ug/L		04/04/12 15:00	04/06/12 19:01	1
Phenanthrene	**4.8**	**J**	9.4	0.48	ug/L		04/04/12 15:00	04/06/12 19:01	1
Phenol	**56**		9.4	0.94	ug/L		04/04/12 15:00	04/06/12 19:01	1
Pyrene	**1.1**	**J**	9.4	0.94	ug/L		04/04/12 15:00	04/06/12 19:01	1
1,2,4-Trichlorobenzene	<0.55		9.4	0.55	ug/L		04/04/12 15:00	04/06/12 19:01	1
2,4,5-Trichlorophenol	<0.37		9.4	0.37	ug/L		04/04/12 15:00	04/06/12 19:01	1
2,4,6-Trichlorophenol	<0.37		9.4	0.37	ug/L		04/04/12 15:00	04/06/12 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*23 - 130*	*04/04/12 15:00*	*04/06/12 19:01*	*1*
2-Fluorophenol	*62*		*10 - 130*	*04/04/12 15:00*	*04/06/12 19:01*	*1*
Nitrobenzene-d5	*77*		*27 - 130*	*04/04/12 15:00*	*04/06/12 19:01*	*1*
Phenol-d5	*72*		*10 - 130*	*04/04/12 15:00*	*04/06/12 19:01*	*1*
Terphenyl-d14	*26*		*10 - 141*	*04/04/12 15:00*	*04/06/12 19:01*	*1*
2,4,6-Tribromophenol	*102*		*18 - 130*	*04/04/12 15:00*	*04/06/12 19:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ag	<0.0010		0.0050	0.0010	mg/L		04/06/12 10:00	04/09/12 15:38	1
As	<0.0035		0.010	0.0035	mg/L		04/06/12 10:00	04/09/12 15:38	1
Ba	**1.5**		0.010	0.0020	mg/L		04/06/12 10:00	04/09/12 15:38	1
Cd	**0.00049**	**J**	0.0050	0.00034	mg/L		04/06/12 10:00	04/09/12 15:38	1
Cr	<0.0011		0.010	0.0011	mg/L		04/06/12 10:00	04/09/12 15:38	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Tank 30 Water-North Manway

Lab Sample ID: 560-31594-2
Matrix: Water

Date Collected: 03/30/12 12:10
Date Received: 03/30/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	<0.0033		0.010	0.0033	mg/L		04/06/12 10:00	04/09/12 15:38	1
Se	<0.0042		0.010	0.0042	mg/L		04/06/12 10:00	04/09/12 15:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.0020	0.00013	mg/L		04/10/12 12:00	04/10/12 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<40		250	40	ug/L		04/13/12 14:30	04/13/12 15:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>212**		70	70	Degrees F			04/11/12 15:30	1
Sulfide, Reactive	<50		50	50	mg/Kg		04/02/12 10:40	04/02/12 10:40	1
pH	**6.6**	**HF**	0.10	0.10	SU			04/02/12 08:05	1

Client Sample ID: Trip Blank

Lab Sample ID: 560-31594-3
Matrix: Water

Date Collected: 03/30/12 13:50
Date Received: 03/30/12 16:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		10	5.0	ug/L			04/03/12 13:53	1
Acetonitrile	<10		50	10	ug/L			04/03/12 13:53	1
Benzene	<0.14		1.0	0.14	ug/L			04/03/12 13:53	1
Bromoform	<0.50		5.0	0.50	ug/L			04/03/12 13:53	1
Bromomethane	<0.39		5.0	0.39	ug/L			04/03/12 13:53	1
2-Butanone (MEK)	<1.0		20	1.0	ug/L			04/03/12 13:53	1
Carbon disulfide	<0.50		5.0	0.50	ug/L			04/03/12 13:53	1
Carbon tetrachloride	<0.25		1.0	0.25	ug/L			04/03/12 13:53	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			04/03/12 13:53	1
Chlorodibromomethane	<0.22		1.0	0.22	ug/L			04/03/12 13:53	1
Chloroethane	<0.40		5.0	0.40	ug/L			04/03/12 13:53	1
Chloroform	<0.17		1.0	0.17	ug/L			04/03/12 13:53	1
Chloromethane	<0.39		5.0	0.39	ug/L			04/03/12 13:53	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			04/03/12 13:53	1
cis-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			04/03/12 13:53	1
Dibromomethane	<0.17		1.0	0.17	ug/L			04/03/12 13:53	1
Dichlorobromomethane	<0.18		1.0	0.18	ug/L			04/03/12 13:53	1
Dichlorodifluoromethane	<0.43		5.0	0.43	ug/L			04/03/12 13:53	1
1,1-Dichloroethane	<0.17		1.0	0.17	ug/L			04/03/12 13:53	1
1,2-Dichloroethane	<0.16		1.0	0.16	ug/L			04/03/12 13:53	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			04/03/12 13:53	1
1,2-Dichloropropane	<0.17		1.0	0.17	ug/L			04/03/12 13:53	1
1,3-Dichloropropane	<0.15		1.0	0.15	ug/L			04/03/12 13:53	1
2,2-Dichloropropane	<0.34		1.0	0.34	ug/L			04/03/12 13:53	1
1,1-Dichloropropene	<0.19		1.0	0.19	ug/L			04/03/12 13:53	1
1,4-Dioxane	<7.5		100	7.5	ug/L			04/03/12 13:53	1
Ethyl acetate	<1.0		5.0	1.0	ug/L			04/03/12 13:53	1
Ethylbenzene	<0.20		1.0	0.20	ug/L			04/03/12 13:53	1
Ethylene Dibromide	<0.15		1.0	0.15	ug/L			04/03/12 13:53	1
Ethyl ether	<0.14		1.0	0.14	ug/L			04/03/12 13:53	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Client Sample ID: Trip Blank

Lab Sample ID: 560-31594-3

Date Collected: 03/30/12 13:50

Matrix: Water

Date Received: 03/30/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl methacrylate	<0.50		5.0	0.50	ug/L			04/03/12 13:53	1
2-Hexanone	<0.20		5.0	0.20	ug/L			04/03/12 13:53	1
Iodomethane	<0.22		1.0	0.22	ug/L			04/03/12 13:53	1
Methylene Chloride	<2.0		5.0	2.0	ug/L			04/03/12 13:53	1
Methyl methacrylate	<0.20		5.0	0.20	ug/L			04/03/12 13:53	1
4-Methyl-2-pentanone (MIBK)	<0.12		5.0	0.12	ug/L			04/03/12 13:53	1
Methyl tert-butyl ether	<0.20		1.0	0.20	ug/L			04/03/12 13:53	1
2-Nitropropane	<0.23		5.0	0.23	ug/L			04/03/12 13:53	1
Styrene	<0.20		1.0	0.20	ug/L			04/03/12 13:53	1
1,1,2,2-Tetrachloroethane	<0.19		1.0	0.19	ug/L			04/03/12 13:53	1
Tetrachloroethene	<0.19		1.0	0.19	ug/L			04/03/12 13:53	1
Toluene	<0.30		1.0	0.30	ug/L			04/03/12 13:53	1
trans-1,2-Dichloroethene	<0.20		1.0	0.20	ug/L			04/03/12 13:53	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			04/03/12 13:53	1
1,2,3-Trichlorobenzene	<0.22		5.0	0.22	ug/L			04/03/12 13:53	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			04/03/12 13:53	1
1,1,2-Trichloroethane	<0.17		1.0	0.17	ug/L			04/03/12 13:53	1
Trichloroethene	<0.32		1.0	0.32	ug/L			04/03/12 13:53	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			04/03/12 13:53	1
1,2,3-Trichloropropane	<0.19		1.0	0.19	ug/L			04/03/12 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		1.0	0.28	ug/L			04/03/12 13:53	1
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L			04/03/12 13:53	1
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L			04/03/12 13:53	1
Vinyl acetate	<0.30		5.0	0.30	ug/L			04/03/12 13:53	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			04/03/12 13:53	1
Xylenes, Total	<0.23		3.0	0.23	ug/L			04/03/12 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*04/03/12 13:53*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*04/03/12 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*04/03/12 13:53*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/03/12 13:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-71176/1-A
Matrix: Waste
Analysis Batch: 71247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<18		500	18	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Carbon disulfide	<10		500	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Acetone	344	J	1000	200	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Chloroethane	<28		500	28	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Chloromethane	<19		500	19	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Acetonitrile	<200		5000	200	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
cis-1,2-Dichloroethene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Chloroform	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Dichlorodifluoromethane	<10		500	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1-Dichloroethane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Carbon tetrachloride	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1-Dichloroethene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Benzene	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,2-Dichloroethane	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
2,2-Dichloropropane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1-Dichloropropene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Dibromomethane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,2-Dichloropropane	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Dichlorobromomethane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Ethyl acetate	<42		500	42	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,4-Dioxane	<720		10000	720	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
cis-1,3-Dichloropropene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Ethyl ether	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Iodomethane	<12		100	12	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Methylene Chloride	<200		500	200	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Methyl methacrylate	<30		500	30	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
4-Methyl-2-pentanone (MIBK)	<40		500	40	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Ethyl methacrylate	<20		500	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Methyl tert-butyl ether	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
2-Nitropropane	<40		500	40	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Chlorodibromomethane	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,3-Dichloropropane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Ethylene Dibromide	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
2-Hexanone	<20		500	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Tetrachloroethene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Chlorobenzene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Toluene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Ethylbenzene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Bromoform	<20		500	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
trans-1,2-Dichloroethene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Styrene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
trans-1,3-Dichloropropene	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1,2,2-Tetrachloroethane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1,1-Trichloroethane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1,2-Trichloroethane	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Trichloroethene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,2,3-Trichlorobenzene	<20		500	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Trichlorofluoromethane	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,2,3-Trichloropropane	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50

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

Lab Sample ID: MB 560-71176/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71247 — **Prep Batch: 71176**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<30		500	30	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	<20		100	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,2,4-Trimethylbenzene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
1,3,5-Trimethylbenzene	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Vinyl acetate	<20		500	20	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Vinyl chloride	<10		100	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50
Xylenes, Total	<10		300	10	ug/Kg		04/02/12 07:36	04/03/12 12:45	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*60 - 130*	*04/02/12 07:36*	*04/03/12 12:45*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 130*	*04/02/12 07:36*	*04/03/12 12:45*	*50*
Toluene-d8 (Surr)	*95*		*50 - 130*	*04/02/12 07:36*	*04/03/12 12:45*	*50*
4-Bromofluorobenzene (Surr)	*88*		*37 - 138*	*04/02/12 07:36*	*04/03/12 12:45*	*50*

Lab Sample ID: LCS 560-71176/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71247 — **Prep Batch: 71176**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	2500	1310		ug/Kg		52	35 - 130
Carbon disulfide	2500	2590		ug/Kg		104	54 - 140
Acetone	2500	4460	*	ug/Kg		178	17 - 154
Chloroethane	2500	1100		ug/Kg		44	23 - 130
Chloromethane	2500	2260		ug/Kg		90	30 - 169
Acetonitrile	25000	20600		ug/Kg		82	10 - 146
cis-1,2-Dichloroethene	2500	2400		ug/Kg		96	70 - 130
Chloroform	2500	2430		ug/Kg		97	70 - 130
Dichlorodifluoromethane	2500	2690		ug/Kg		108	19 - 157
1,1-Dichloroethane	2500	2330		ug/Kg		93	70 - 130
Carbon tetrachloride	2500	2430		ug/Kg		97	65 - 130
1,1-Dichloroethene	2500	2420		ug/Kg		97	64 - 131
Benzene	2500	2360		ug/Kg		94	70 - 130
1,2-Dichloroethane	2500	2370		ug/Kg		95	65 - 130
2,2-Dichloropropane	2500	2290		ug/Kg		92	50 - 131
1,1-Dichloropropene	2500	2560		ug/Kg		102	70 - 130
Dibromomethane	2500	2300		ug/Kg		92	68 - 130
1,2-Dichloropropane	2500	2440		ug/Kg		98	70 - 130
Dichlorobromomethane	2500	2340		ug/Kg		94	62 - 130
Ethyl acetate	2500	2630		ug/Kg		105	44 - 155
1,4-Dioxane	50000	66700		ug/Kg		133	10 - 200
cis-1,3-Dichloropropene	2500	2520		ug/Kg		101	64 - 132
Ethyl ether	2500	2380		ug/Kg		95	65 - 133
Iodomethane	2500	2430		ug/Kg		97	70 - 139
Methylene Chloride	2500	2270		ug/Kg		91	70 - 130
Methyl methacrylate	2500	2400		ug/Kg		96	61 - 130
4-Methyl-2-pentanone (MIBK)	2480	2580		ug/Kg		104	51 - 130
Ethyl methacrylate	2500	2660		ug/Kg		106	66 - 130
Methyl tert-butyl ether	2500	2540		ug/Kg		102	64 - 130
2-Nitropropane	2500	2200		ug/Kg		88	41 - 130

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

Lab Sample ID: LCS 560-71176/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71247 — **Prep Batch: 71176**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	2500	2080		ug/Kg		83	70 - 130
1,3-Dichloropropane	2500	2360		ug/Kg		94	70 - 130
Ethylene Dibromide	2500	2340		ug/Kg		94	70 - 130
2-Hexanone	2500	2930		ug/Kg		117	63 - 130
Tetrachloroethene	2500	2150		ug/Kg		86	65 - 130
Chlorobenzene	2500	2300		ug/Kg		92	70 - 130
Toluene	2500	2390		ug/Kg		96	70 - 130
Ethylbenzene	2500	2360		ug/Kg		94	70 - 130
Bromoform	2500	1980		ug/Kg		79	63 - 130
trans-1,2-Dichloroethene	2500	2450		ug/Kg		98	69 - 130
Styrene	2500	2240		ug/Kg		90	70 - 130
trans-1,3-Dichloropropene	2500	2350		ug/Kg		94	64 - 132
1,1,2,2-Tetrachloroethane	2500	2560		ug/Kg		102	63 - 132
1,1,1-Trichloroethane	2500	2530		ug/Kg		101	69 - 130
1,1,2-Trichloroethane	2500	2350		ug/Kg		94	70 - 130
Trichloroethene	2500	2250		ug/Kg		90	70 - 130
1,2,3-Trichlorobenzene	2500	2480		ug/Kg		99	48 - 155
Trichlorofluoromethane	2500	2360		ug/Kg		94	35 - 159
1,2,3-Trichloropropane	2500	2330		ug/Kg		93	60 - 148
2-Butanone (MEK)	2500	3720	*	ug/Kg		149	33 - 136
1,1,2-Trichloro-1,2,2-trifluoroetha ne	2500	2550		ug/Kg		102	42 - 139
1,2,4-Trimethylbenzene	2500	2570		ug/Kg		103	70 - 130
1,3,5-Trimethylbenzene	2500	2560		ug/Kg		102	70 - 130
Vinyl acetate	2500	2760		ug/Kg		110	70 - 134
Vinyl chloride	2500	2340		ug/Kg		94	43 - 145
Xylenes, Total	7500	7200		ug/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*60 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 130*
Toluene-d8 (Surr)	*95*		*50 - 130*
4-Bromofluorobenzene (Surr)	*91*		*37 - 138*

Lab Sample ID: MB 560-71234/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.39		5.0	0.39	ug/L			04/03/12 11:26	1
Carbon disulfide	<0.50		5.0	0.50	ug/L			04/03/12 11:26	1
Acetone	<5.0		10	5.0	ug/L			04/03/12 11:26	1
Chloroethane	<0.40		5.0	0.40	ug/L			04/03/12 11:26	1
Chloromethane	<0.39		5.0	0.39	ug/L			04/03/12 11:26	1
Acetonitrile	<10		50	10	ug/L			04/03/12 11:26	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/L			04/03/12 11:26	1
Chloroform	<0.17		1.0	0.17	ug/L			04/03/12 11:26	1
Dichlorodifluoromethane	<0.43		5.0	0.43	ug/L			04/03/12 11:26	1
1,1-Dichloroethane	<0.17		1.0	0.17	ug/L			04/03/12 11:26	1
Carbon tetrachloride	<0.25		1.0	0.25	ug/L			04/03/12 11:26	1

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

Lab Sample ID: MB 560-71234/8
Matrix: Water
Analysis Batch: 71234

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			04/03/12 11:26	1
Benzene	<0.14		1.0	0.14	ug/L			04/03/12 11:26	1
1,2-Dichloroethane	<0.16		1.0	0.16	ug/L			04/03/12 11:26	1
2,2-Dichloropropane	<0.34		1.0	0.34	ug/L			04/03/12 11:26	1
1,1-Dichloropropene	<0.19		1.0	0.19	ug/L			04/03/12 11:26	1
Dibromomethane	<0.17		1.0	0.17	ug/L			04/03/12 11:26	1
1,2-Dichloropropane	<0.17		1.0	0.17	ug/L			04/03/12 11:26	1
Dichlorobromomethane	<0.18		1.0	0.18	ug/L			04/03/12 11:26	1
Ethyl acetate	<1.0		5.0	1.0	ug/L			04/03/12 11:26	1
1,4-Dioxane	<7.5		100	7.5	ug/L			04/03/12 11:26	1
cis-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			04/03/12 11:26	1
Ethyl ether	<0.14		1.0	0.14	ug/L			04/03/12 11:26	1
Iodomethane	<0.22		1.0	0.22	ug/L			04/03/12 11:26	1
Methylene Chloride	<2.0		5.0	2.0	ug/L			04/03/12 11:26	1
Methyl methacrylate	<0.20		5.0	0.20	ug/L			04/03/12 11:26	1
4-Methyl-2-pentanone (MIBK)	<0.12		5.0	0.12	ug/L			04/03/12 11:26	1
Ethyl methacrylate	<0.50		5.0	0.50	ug/L			04/03/12 11:26	1
Methyl tert-butyl ether	<0.20		1.0	0.20	ug/L			04/03/12 11:26	1
2-Nitropropane	<0.23		5.0	0.23	ug/L			04/03/12 11:26	1
Chlorodibromomethane	<0.22		1.0	0.22	ug/L			04/03/12 11:26	1
1,3-Dichloropropane	<0.15		1.0	0.15	ug/L			04/03/12 11:26	1
Ethylene Dibromide	<0.15		1.0	0.15	ug/L			04/03/12 11:26	1
2-Hexanone	<0.20		5.0	0.20	ug/L			04/03/12 11:26	1
Tetrachloroethene	<0.19		1.0	0.19	ug/L			04/03/12 11:26	1
Chlorobenzene	<0.14		1.0	0.14	ug/L			04/03/12 11:26	1
Toluene	<0.30		1.0	0.30	ug/L			04/03/12 11:26	1
Ethylbenzene	<0.20		1.0	0.20	ug/L			04/03/12 11:26	1
Bromoform	<0.50		5.0	0.50	ug/L			04/03/12 11:26	1
trans-1,2-Dichloroethene	<0.20		1.0	0.20	ug/L			04/03/12 11:26	1
Styrene	<0.20		1.0	0.20	ug/L			04/03/12 11:26	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			04/03/12 11:26	1
1,1,2,2-Tetrachloroethane	<0.19		1.0	0.19	ug/L			04/03/12 11:26	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			04/03/12 11:26	1
1,1,2-Trichloroethane	<0.17		1.0	0.17	ug/L			04/03/12 11:26	1
Trichloroethene	<0.32		1.0	0.32	ug/L			04/03/12 11:26	1
1,2,3-Trichlorobenzene	<0.22		5.0	0.22	ug/L			04/03/12 11:26	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			04/03/12 11:26	1
1,2,3-Trichloropropane	<0.19		1.0	0.19	ug/L			04/03/12 11:26	1
2-Butanone (MEK)	<1.0		20	1.0	ug/L			04/03/12 11:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		1.0	0.28	ug/L			04/03/12 11:26	1
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L			04/03/12 11:26	1
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L			04/03/12 11:26	1
Vinyl acetate	<0.30		5.0	0.30	ug/L			04/03/12 11:26	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			04/03/12 11:26	1
Xylenes, Total	<0.23		3.0	0.23	ug/L			04/03/12 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*04/03/12 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/03/12 11:26*	*1*

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

Lab Sample ID: MB 560-71234/8
Matrix: Water
Analysis Batch: 71234

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		04/03/12 11:26	1
4-Bromofluorobenzene (Surr)	91		70 - 130		04/03/12 11:26	1

Lab Sample ID: LCS 560-71234/3
Matrix: Water
Analysis Batch: 71234

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	24.0		ug/L		96	57 - 132
Carbon disulfide	25.0	28.2		ug/L		113	70 - 152
Acetone	25.0	40.2		ug/L		161	34 - 195
Chloroethane	25.0	23.8		ug/L		95	65 - 133
Chloromethane	25.0	26.7		ug/L		107	54 - 156
Acetonitrile	250	214		ug/L		85	10 - 200
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	70 - 130
Chloroform	25.0	24.7		ug/L		99	70 - 130
Dichlorodifluoromethane	25.0	26.6		ug/L		106	23 - 167
1,1-Dichloroethane	25.0	24.0		ug/L		96	70 - 130
Carbon tetrachloride	25.0	24.4		ug/L		98	65 - 129
1,1-Dichloroethene	25.0	24.4		ug/L		98	67 - 130
Benzene	25.0	25.1		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	23.9		ug/L		96	68 - 130
2,2-Dichloropropane	25.0	23.3		ug/L		93	63 - 141
1,1-Dichloropropene	25.0	24.8		ug/L		99	70 - 130
Dibromomethane	25.0	24.8		ug/L		99	70 - 130
1,2-Dichloropropane	25.0	25.6		ug/L		102	70 - 130
Dichlorobromomethane	25.0	25.0		ug/L		100	70 - 130
Ethyl acetate	25.0	26.7		ug/L		107	64 - 139
1,4-Dioxane	500	509		ug/L		102	34 - 174
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	65 - 132
Ethyl ether	25.0	23.3		ug/L		93	70 - 130
Iodomethane	25.0	25.0		ug/L		100	70 - 142
Methylene Chloride	25.0	23.9		ug/L		96	70 - 130
Methyl methacrylate	25.0	23.3		ug/L		93	63 - 130
4-Methyl-2-pentanone (MIBK)	24.8	26.5		ug/L		107	62 - 130
Ethyl methacrylate	25.0	22.8		ug/L		91	66 - 130
Methyl tert-butyl ether	25.0	22.1		ug/L		88	69 - 130
2-Nitropropane	25.0	31.3		ug/L		125	24 - 150
Chlorodibromomethane	25.0	26.4		ug/L		106	64 - 130
1,3-Dichloropropane	25.0	26.1		ug/L		104	70 - 130
Ethylene Dibromide	25.0	26.4		ug/L		106	70 - 130
2-Hexanone	25.0	30.3		ug/L		121	58 - 136
Tetrachloroethene	25.0	24.8		ug/L		99	60 - 130
Chlorobenzene	25.0	25.8		ug/L		103	70 - 130
Toluene	25.0	25.2		ug/L		101	70 - 130
Ethylbenzene	25.0	24.6		ug/L		98	70 - 130
Bromoform	25.0	24.1		ug/L		96	53 - 130
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	70 - 130
Styrene	25.0	26.3		ug/L		105	64 - 130

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

Lab Sample ID: LCS 560-71234/3
Matrix: Water
Analysis Batch: 71234

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	25.4		ug/L		102	56 - 130
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	70 - 130
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	70 - 130
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	70 - 130
Trichloroethene	25.0	25.9		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	25.0	22.3		ug/L		89	59 - 135
Trichlorofluoromethane	25.0	23.0		ug/L		92	60 - 133
1,2,3-Trichloropropane	25.0	25.6		ug/L		102	68 - 132
2-Butanone (MEK)	25.0	34.3		ug/L		137	50 - 151
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5		ug/L		106	51 - 130
1,2,4-Trimethylbenzene	25.0	24.4		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	69 - 130
Vinyl acetate	25.0	25.3		ug/L		101	70 - 159
Vinyl chloride	25.0	22.1		ug/L		88	59 - 139
Xylenes, Total	75.0	73.6		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-71362/1-A
Matrix: Water
Analysis Batch: 71446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	<1.4		10	1.4	ug/L		04/04/12 15:00	04/06/12 14:07	1
Bis(2-chloroethyl)ether	<0.71		10	0.71	ug/L		04/04/12 15:00	04/06/12 14:07	1
Bis(2-chloroethoxy)methane	<0.59		10	0.59	ug/L		04/04/12 15:00	04/06/12 14:07	1
2-Chlorophenol	<0.36		10	0.36	ug/L		04/04/12 15:00	04/06/12 14:07	1
4-Chloroaniline	<0.46		10	0.46	ug/L		04/04/12 15:00	04/06/12 14:07	1
4-Chloro-3-methylphenol	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
1,2-Dichlorobenzene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
1,3-Dichlorobenzene	<2.0		10	2.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
1,4-Dichlorobenzene	<0.74		10	0.74	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,4-Dichlorophenol	<0.39		10	0.39	ug/L		04/04/12 15:00	04/06/12 14:07	1
2-Chloronaphthalene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,4-Dimethylphenol	<0.56		10	0.56	ug/L		04/04/12 15:00	04/06/12 14:07	1
Acenaphthylene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
Dimethyl phthalate	<0.55		10	0.55	ug/L		04/04/12 15:00	04/06/12 14:07	1
Acenaphthene	<0.57		10	0.57	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,4-Dinitrophenol	<0.93		10	0.93	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,6-Dinitrotoluene	<0.52		10	0.52	ug/L		04/04/12 15:00	04/06/12 14:07	1
Dibenzofuran	<0.51		10	0.51	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,4-Dinitrotoluene	<0.38		10	0.38	ug/L		04/04/12 15:00	04/06/12 14:07	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-71362/1-A
Matrix: Water
Analysis Batch: 71446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.52		10	0.52	ug/L		04/04/12 15:00	04/06/12 14:07	1
Fluorene	<0.61		10	0.61	ug/L		04/04/12 15:00	04/06/12 14:07	1
4-Chlorophenyl phenyl ether	<0.52		10	0.52	ug/L		04/04/12 15:00	04/06/12 14:07	1
4,6-Dinitro-2-methylphenol	<1.8		10	1.8	ug/L		04/04/12 15:00	04/06/12 14:07	1
Hexachlorobutadiene	<1.0		10	1.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
Hexachlorocyclopentadiene	<5.0		10	5.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
4-Bromophenyl phenyl ether	<0.74		10	0.74	ug/L		04/04/12 15:00	04/06/12 14:07	1
Hexachloroethane	<1.0		10	1.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
Hexachlorobenzene	<0.65		10	0.65	ug/L		04/04/12 15:00	04/06/12 14:07	1
Isophorone	<0.63		10	0.63	ug/L		04/04/12 15:00	04/06/12 14:07	1
2-Methylnaphthalene	<0.43		10	0.43	ug/L		04/04/12 15:00	04/06/12 14:07	1
Anthracene	<0.40		10	0.40	ug/L		04/04/12 15:00	04/06/12 14:07	1
2-Methylphenol	<0.49		10	0.49	ug/L		04/04/12 15:00	04/06/12 14:07	1
Di-n-butyl phthalate	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
3 & 4 Methylphenol	<0.88		20	0.88	ug/L		04/04/12 15:00	04/06/12 14:07	1
Fluoranthene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
Naphthalene	<0.48		10	0.48	ug/L		04/04/12 15:00	04/06/12 14:07	1
2-Nitroaniline	<0.44		10	0.44	ug/L		04/04/12 15:00	04/06/12 14:07	1
Butyl benzyl phthalate	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
3-Nitroaniline	<1.8		10	1.8	ug/L		04/04/12 15:00	04/06/12 14:07	1
Benzo[a]anthracene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
4-Nitroaniline	<1.5		10	1.5	ug/L		04/04/12 15:00	04/06/12 14:07	1
Chrysene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
Bis(2-ethylhexyl) phthalate	<1.9		10	1.9	ug/L		04/04/12 15:00	04/06/12 14:07	1
Nitrobenzene	<0.34		10	0.34	ug/L		04/04/12 15:00	04/06/12 14:07	1
Di-n-octyl phthalate	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
2-Nitrophenol	<0.41		10	0.41	ug/L		04/04/12 15:00	04/06/12 14:07	1
Benzo[b]fluoranthene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
4-Nitrophenol	<1.8		10	1.8	ug/L		04/04/12 15:00	04/06/12 14:07	1
Benzo[k]fluoranthene	<0.36		10	0.36	ug/L		04/04/12 15:00	04/06/12 14:07	1
Benzo[a]pyrene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
N-Nitrosodi-n-propylamine	<0.65		10	0.65	ug/L		04/04/12 15:00	04/06/12 14:07	1
Indeno[1,2,3-cd]pyrene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
N-Nitrosodiphenylamine	<0.51		10	0.51	ug/L		04/04/12 15:00	04/06/12 14:07	1
Dibenz(a,h)anthracene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
Benzo[g,h,i]perylene	<0.50		10	0.50	ug/L		04/04/12 15:00	04/06/12 14:07	1
Phenanthrene	<0.51		10	0.51	ug/L		04/04/12 15:00	04/06/12 14:07	1
Phenol	<1.0		10	1.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
Pyrene	<1.0		10	1.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
1,2,4-Trichlorobenzene	<0.59		10	0.59	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,4,5-Trichlorophenol	<0.40		10	0.40	ug/L		04/04/12 15:00	04/06/12 14:07	1
3,3'-Dichlorobenzidine	<1.0		10	1.0	ug/L		04/04/12 15:00	04/06/12 14:07	1
2,4,6-Trichlorophenol	<0.39		10	0.39	ug/L		04/04/12 15:00	04/06/12 14:07	1
Pentachlorophenol	<5.0		10	5.0	ug/L		04/04/12 15:00	04/06/12 14:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*73*		*10 - 130*	*04/04/12 15:00*	*04/06/12 14:07*	*1*
Phenol-d5	*79*		*10 - 130*	*04/04/12 15:00*	*04/06/12 14:07*	*1*
Nitrobenzene-d5	*91*		*27 - 130*	*04/04/12 15:00*	*04/06/12 14:07*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-71362/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71446 — **Prep Batch: 71362**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		23 - 130	04/04/12 15:00	04/06/12 14:07	1
2,4,6-Tribromophenol	89		18 - 130	04/04/12 15:00	04/06/12 14:07	1
Terphenyl-d14	97		10 - 141	04/04/12 15:00	04/06/12 14:07	1

Lab Sample ID: LCS 560-71362/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71446 — **Prep Batch: 71362**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl alcohol	100	91.6		ug/L		92	44 - 130
Bis(2-chloroethyl)ether	100	84.0		ug/L		84	44 - 130
Bis(2-chloroethoxy)methane	100	93.2		ug/L		93	44 - 130
2-Chlorophenol	100	86.3		ug/L		86	38 - 130
4-Chloroaniline	100	63.1		ug/L		63	21 - 130
4-Chloro-3-methylphenol	100	94.0		ug/L		94	55 - 130
1,2-Dichlorobenzene	100	76.7		ug/L		77	28 - 130
1,3-Dichlorobenzene	100	74.8		ug/L		75	25 - 130
1,4-Dichlorobenzene	100	76.3		ug/L		76	26 - 130
2,4-Dichlorophenol	100	84.6		ug/L		85	40 - 130
2-Chloronaphthalene	100	85.7		ug/L		86	44 - 130
2,4-Dimethylphenol	100	85.0		ug/L		85	41 - 135
Acenaphthylene	100	87.2		ug/L		87	52 - 130
Dimethyl phthalate	100	91.7		ug/L		92	70 - 130
Acenaphthene	100	85.4		ug/L		85	55 - 130
2,4-Dinitrophenol	100	86.2		ug/L		86	38 - 132
2,6-Dinitrotoluene	100	96.4		ug/L		96	70 - 130
Dibenzofuran	100	85.1		ug/L		85	54 - 130
2,4-Dinitrotoluene	100	93.8		ug/L		94	70 - 130
Diethyl phthalate	100	92.6		ug/L		93	70 - 130
Fluorene	100	83.7		ug/L		84	69 - 130
4-Chlorophenyl phenyl ether	100	81.4		ug/L		81	61 - 130
4,6-Dinitro-2-methylphenol	100	94.4		ug/L		94	67 - 130
Hexachlorobutadiene	100	73.4		ug/L		73	29 - 130
Hexachlorocyclopentadiene	100	56.6		ug/L		57	10 - 130
4-Bromophenyl phenyl ether	100	87.6		ug/L		88	68 - 130
Hexachloroethane	100	75.3		ug/L		75	20 - 130
Hexachlorobenzene	100	84.0		ug/L		84	67 - 130
Isophorone	100	97.3		ug/L		97	44 - 130
2-Methylnaphthalene	100	83.6		ug/L		84	44 - 130
Anthracene	100	86.4		ug/L		86	70 - 130
2-Methylphenol	100	89.5		ug/L		89	34 - 130
Di-n-butyl phthalate	100	91.4		ug/L		91	70 - 130
3 & 4 Methylphenol	200	172		ug/L		86	29 - 130
Fluoranthene	100	82.1		ug/L		82	70 - 130
Naphthalene	100	81.6		ug/L		82	40 - 130
2-Nitroaniline	100	81.7		ug/L		82	58 - 130
Butyl benzyl phthalate	100	97.5		ug/L		98	70 - 130
3-Nitroaniline	100	90.9		ug/L		91	70 - 130
Benzo[a]anthracene	100	90.8		ug/L		91	70 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 560-71362/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71446 — **Prep Batch: 71362**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	100	95.3		ug/L		95	70 - 130
Chrysene	100	94.9		ug/L		95	70 - 130
Bis(2-ethylhexyl) phthalate	100	102		ug/L		102	70 - 130
Nitrobenzene	100	96.0		ug/L		96	44 - 130
Di-n-octyl phthalate	100	92.6		ug/L		93	70 - 130
2-Nitrophenol	100	87.5		ug/L		87	42 - 130
Benzo[b]fluoranthene	100	90.4		ug/L		90	67 - 133
4-Nitrophenol	100	83.1		ug/L		83	38 - 132
Benzo[k]fluoranthene	100	93.4		ug/L		93	69 - 130
Benzo[a]pyrene	100	89.6		ug/L		90	70 - 134
N-Nitrosodi-n-propylamine	100	91.8		ug/L		92	36 - 130
Indeno[1,2,3-cd]pyrene	100	91.7		ug/L		92	70 - 130
N-Nitrosodiphenylamine	100	88.8		ug/L		89	70 - 130
Dibenz(a,h)anthracene	100	95.4		ug/L		95	70 - 130
Benzo[g,h,i]perylene	100	91.2		ug/L		91	69 - 130
Phenanthrene	100	83.8		ug/L		84	70 - 130
Phenol	100	82.6		ug/L		83	24 - 130
Pyrene	100	90.2		ug/L		90	70 - 130
1,2,4-Trichlorobenzene	100	76.2		ug/L		76	35 - 130
2,4,5-Trichlorophenol	100	86.6		ug/L		87	59 - 130
3,3'-Dichlorobenzidine	150	125		ug/L		83	63 - 130
2,4,6-Trichlorophenol	100	87.3		ug/L		87	50 - 130
Pentachlorophenol	100	81.3		ug/L		81	57 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol	*84*		*10 - 130*
Phenol-d5	*88*		*10 - 130*
Nitrobenzene-d5	*99*		*27 - 130*
2-Fluorobiphenyl	*86*		*23 - 130*
2,4,6-Tribromophenol	*103*		*18 - 130*
Terphenyl-d14	*93*		*10 - 141*

Lab Sample ID: MB 560-71474/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71485 — **Prep Batch: 71474**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	<200		200	200	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Bis(2-chloroethyl)ether	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Bis(2-chloroethoxy)methane	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2-Chlorophenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4-Chloroaniline	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4-Chloro-3-methylphenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
1,2-Dichlorobenzene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
1,3-Dichlorobenzene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
1,4-Dichlorobenzene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,4-Dichlorophenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2-Chloronaphthalene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,4-Dimethylphenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-71474/1-A | **Client Sample ID: Method Blank**
Matrix: Waste | **Prep Type: Total/NA**
Analysis Batch: 71485 | **Prep Batch: 71474**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Dimethyl phthalate	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Acenaphthene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,4-Dinitrophenol	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,6-Dinitrotoluene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Dibenzofuran	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,4-Dinitrotoluene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Diethyl phthalate	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Fluorene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4-Chlorophenyl phenyl ether	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4,6-Dinitro-2-methylphenol	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Hexachlorobutadiene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Hexachlorocyclopentadiene	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4-Bromophenyl phenyl ether	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Hexachloroethane	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Hexachlorobenzene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Isophorone	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2-Methylnaphthalene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Anthracene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2-Methylphenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Di-n-butyl phthalate	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
3 & 4 Methylphenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Fluoranthene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Naphthalene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2-Nitroaniline	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Butyl benzyl phthalate	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
3-Nitroaniline	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Benzo[a]anthracene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4-Nitroaniline	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Chrysene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Bis(2-ethylhexyl) phthalate	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Nitrobenzene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Di-n-octyl phthalate	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2-Nitrophenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Benzo[b]fluoranthene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
4-Nitrophenol	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Benzo[k]fluoranthene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Benzo[a]pyrene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
N-Nitrosodi-n-propylamine	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Indeno[1,2,3-cd]pyrene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
N-Nitrosodiphenylamine	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Dibenz(a,h)anthracene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Benzo[g,h,i]perylene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Phenanthrene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Phenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
Pyrene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
1,2,4-Trichlorobenzene	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,4,5-Trichlorophenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
3,3'-Dichlorobenzidine	<200		200	200	mg/Kg		04/09/12 09:00	04/09/12 13:53	1
2,4,6-Trichlorophenol	<100		100	100	mg/Kg		04/09/12 09:00	04/09/12 13:53	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-71474/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71485 — **Prep Batch: 71474**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<500		500	500	mg/Kg		04/09/12 09:00	04/09/12 13:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*96*		*20 - 130*	*04/09/12 09:00*	*04/09/12 13:53*	*1*
Phenol-d5	*96*		*11 - 130*	*04/09/12 09:00*	*04/09/12 13:53*	*1*
Nitrobenzene-d5	*108*		*40 - 130*	*04/09/12 09:00*	*04/09/12 13:53*	*1*
2-Fluorobiphenyl	*105*		*50 - 130*	*04/09/12 09:00*	*04/09/12 13:53*	*1*
2,4,6-Tribromophenol	*97*		*22 - 150*	*04/09/12 09:00*	*04/09/12 13:53*	*1*
Terphenyl-d14	*107*		*50 - 135*	*04/09/12 09:00*	*04/09/12 13:53*	*1*

Lab Sample ID: LCS 560-71474/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71485 — **Prep Batch: 71474**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl alcohol	400	402		mg/Kg		101	58 - 130
Bis(2-chloroethyl)ether	400	383		mg/Kg		96	55 - 130
Bis(2-chloroethoxy)methane	400	405		mg/Kg		101	59 - 130
2-Chlorophenol	400	407		mg/Kg		102	58 - 130
4-Chloroaniline	400	333		mg/Kg		83	34 - 130
4-Chloro-3-methylphenol	400	394		mg/Kg		99	64 - 130
1,2-Dichlorobenzene	400	417		mg/Kg		104	53 - 130
1,3-Dichlorobenzene	400	406		mg/Kg		102	51 - 130
1,4-Dichlorobenzene	400	414		mg/Kg		103	52 - 130
2,4-Dichlorophenol	400	405		mg/Kg		101	61 - 130
2-Chloronaphthalene	400	400		mg/Kg		100	61 - 130
2,4-Dimethylphenol	400	409		mg/Kg		102	65 - 130
Acenaphthylene	400	402		mg/Kg		101	60 - 130
Dimethyl phthalate	400	393		mg/Kg		98	61 - 130
Acenaphthene	400	394		mg/Kg		98	62 - 130
2,4-Dinitrophenol	400	<500		mg/Kg		69	51 - 130
2,6-Dinitrotoluene	400	412		mg/Kg		103	63 - 130
Dibenzofuran	400	380		mg/Kg		95	63 - 130
2,4-Dinitrotoluene	400	385		mg/Kg		96	64 - 130
Diethyl phthalate	400	397		mg/Kg		99	61 - 130
Fluorene	400	365		mg/Kg		91	64 - 130
4-Chlorophenyl phenyl ether	400	360		mg/Kg		90	66 - 130
4,6-Dinitro-2-methylphenol	400	<500		mg/Kg		84	62 - 130
Hexachlorobutadiene	400	401		mg/Kg		100	54 - 130
Hexachlorocyclopentadiene	400	<500		mg/Kg		89	51 - 130
4-Bromophenyl phenyl ether	400	398		mg/Kg		99	67 - 130
Hexachloroethane	400	394		mg/Kg		98	51 - 130
Hexachlorobenzene	400	401		mg/Kg		100	68 - 130
Isophorone	400	417		mg/Kg		104	57 - 130
2-Methylnaphthalene	400	400		mg/Kg		100	58 - 130
Anthracene	400	397		mg/Kg		99	64 - 130
2-Methylphenol	400	417		mg/Kg		104	59 - 130
Di-n-butyl phthalate	400	400		mg/Kg		100	61 - 130
3 & 4 Methylphenol	800	787		mg/Kg		98	58 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 560-71474/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Waste | **Prep Type: Total/NA**
Analysis Batch: 71485 | **Prep Batch: 71474**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	400	382		mg/Kg		95	62 - 130
Naphthalene	400	406		mg/Kg		101	54 - 130
2-Nitroaniline	400	<500		mg/Kg		106	63 - 130
Butyl benzyl phthalate	400	390		mg/Kg		98	64 - 130
3-Nitroaniline	400	<500		mg/Kg		92	44 - 130
Benzo[a]anthracene	400	405		mg/Kg		101	66 - 130
4-Nitroaniline	400	<500		mg/Kg		99	62 - 130
Chrysene	400	411		mg/Kg		103	66 - 130
Bis(2-ethylhexyl) phthalate	400	395		mg/Kg		99	61 - 130
Nitrobenzene	400	418		mg/Kg		105	56 - 130
Di-n-octyl phthalate	400	412		mg/Kg		103	58 - 130
2-Nitrophenol	400	408		mg/Kg		102	56 - 130
Benzo[b]fluoranthene	400	472		mg/Kg		118	67 - 130
4-Nitrophenol	400	<500		mg/Kg		97	56 - 130
Benzo[k]fluoranthene	400	458		mg/Kg		115	61 - 130
Benzo[a]pyrene	400	455		mg/Kg		114	65 - 130
N-Nitrosodi-n-propylamine	400	393		mg/Kg		98	58 - 130
Indeno[1,2,3-cd]pyrene	400	446		mg/Kg		111	67 - 130
N-Nitrosodiphenylamine	400	403		mg/Kg		101	65 - 130
Dibenz(a,h)anthracene	400	443		mg/Kg		111	66 - 130
Benzo[g,h,i]perylene	400	414		mg/Kg		103	67 - 130
Phenanthrene	400	370		mg/Kg		93	65 - 130
Phenol	400	403		mg/Kg		101	60 - 130
Pyrene	400	366		mg/Kg		92	65 - 130
1,2,4-Trichlorobenzene	400	408		mg/Kg		102	55 - 130
2,4,5-Trichlorophenol	400	399		mg/Kg		100	62 - 130
3,3'-Dichlorobenzidine	400	313		mg/Kg		78	47 - 130
2,4,6-Trichlorophenol	400	407		mg/Kg		102	64 - 130
Pentachlorophenol	400	<500		mg/Kg		82	75 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol	*102*		*20 - 130*
Phenol-d5	*104*		*11 - 130*
Nitrobenzene-d5	*111*		*40 - 130*
2-Fluorobiphenyl	*105*		*50 - 130*
2,4,6-Tribromophenol	*104*		*22 - 150*
Terphenyl-d14	*101*		*50 - 135*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 560-71380/1-A | **Client Sample ID: Method Blank**
Matrix: Waste | **Prep Type: Total/NA**
Analysis Batch: 71395 | **Prep Batch: 71380**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.29		4.0	0.29	mg/Kg		04/05/12 10:50	04/05/12 13:33	1
Barium	<0.38		2.0	0.38	mg/Kg		04/05/12 10:50	04/05/12 13:33	1
Cadmium	<0.072		1.0	0.072	mg/Kg		04/05/12 10:50	04/05/12 13:33	1
Chromium	<0.27		2.0	0.27	mg/Kg		04/05/12 10:50	04/05/12 13:33	1

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

Lab Sample ID: MB 560-71380/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71395 — **Prep Batch: 71380**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.30		1.0	0.30	mg/Kg		04/05/12 10:50	04/05/12 13:33	1
Selenium	<0.40		2.0	0.40	mg/Kg		04/05/12 10:50	04/05/12 13:33	1
Silver	<0.22		1.0	0.22	mg/Kg		04/05/12 10:50	04/05/12 13:33	1

Lab Sample ID: LCS 560-71380/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71395 — **Prep Batch: 71380**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	40.0	35.9		mg/Kg		90	80 - 120
Barium	40.0	39.3		mg/Kg		98	80 - 120
Cadmium	40.0	37.8		mg/Kg		94	80 - 120
Chromium	40.0	40.6		mg/Kg		101	80 - 120
Lead	40.0	38.6		mg/Kg		97	80 - 120
Selenium	40.0	36.2		mg/Kg		91	80 - 120
Silver	40.0	38.0		mg/Kg		95	80 - 120

Lab Sample ID: MB 560-71453/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71521 — **Prep Batch: 71453**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
As	<0.0035		0.010	0.0035	mg/L		04/06/12 10:00	04/09/12 15:16	1
Ba	<0.0020		0.010	0.0020	mg/L		04/06/12 10:00	04/09/12 15:16	1
Cd	<0.00034		0.0050	0.00034	mg/L		04/06/12 10:00	04/09/12 15:16	1
Cr	<0.0011		0.010	0.0011	mg/L		04/06/12 10:00	04/09/12 15:16	1
Pb	<0.0033		0.010	0.0033	mg/L		04/06/12 10:00	04/09/12 15:16	1
Ag	<0.0010		0.0050	0.0010	mg/L		04/06/12 10:00	04/09/12 15:16	1
Se	<0.0042		0.010	0.0042	mg/L		04/06/12 10:00	04/09/12 15:16	1

Lab Sample ID: LCS 560-71453/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71521 — **Prep Batch: 71453**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
As	0.400	0.394		mg/L		99	80 - 120
Ba	0.400	0.396		mg/L		99	80 - 120
Cd	0.400	0.401		mg/L		100	80 - 120
Cr	0.400	0.405		mg/L		101	80 - 120
Pb	0.400	0.413		mg/L		103	80 - 120
Ag	0.400	0.416		mg/L		104	80 - 120
Se	0.400	0.407		mg/L		102	80 - 120

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 560-71559/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71595 — **Prep Batch: 71559**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.0020	0.00013	mg/L		04/10/12 12:00	04/10/12 16:05	1

Lab Sample ID: LCS 560-71559/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71595 — **Prep Batch: 71559**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00521		mg/L		104	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 560-71225/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71245 — **Prep Batch: 71225**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.20	0.018	mg/Kg		04/02/12 14:30	04/02/12 19:01	1

Lab Sample ID: LCS 560-71225/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71245 — **Prep Batch: 71225**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.428		mg/Kg		103	80 - 120

Method: 1010A - Ignitability,Pensky-Martens Closed Cup Method

Lab Sample ID: LCS 560-71640/1 — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	83.0		Degrees F		102	85 - 115

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 600-77140/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77140**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	135	J	250	40	ug/L		04/13/12 14:30	04/13/12 15:30	1

Lab Sample ID: LCS 600-77140/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77140**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000000	92800		ug/L		9	0 - 100

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: 560-31594-2 MS — **Client Sample ID: Tank 30 Water-North Manway**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77140**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive	<40		1000000	56200		ug/L		6	0 - 100		

Lab Sample ID: 560-31594-2 DU — **Client Sample ID: Tank 30 Water-North Manway**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77140**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	<40			424		ug/L				NC	20

Lab Sample ID: MB 600-77143/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77143**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<40		250	40	ug/L		04/13/12 14:36	04/13/12 15:30	1

Lab Sample ID: LCS 600-77143/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77143**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive			1000000	1590		ug/L		0.2	0 - 100		

Lab Sample ID: 560-31594-1 MS — **Client Sample ID: Tank 12 Sludge-North Manway**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77143**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive	230	J	1000000	110000		ug/Kg		11	0 - 100		

Lab Sample ID: 560-31594-1 DU — **Client Sample ID: Tank 12 Sludge-North Manway**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 77162 — **Prep Batch: 77143**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	230	J		<86		ug/Kg				NC	20

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 560-71211/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71212 — **Prep Batch: 71211**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	50	mg/Kg		04/02/12 10:40	04/02/12 10:40	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 560-71211/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71212 — **Prep Batch: 71211**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	218	149		mg/Kg		68	28 - 140

Method: 9040C - pH

Lab Sample ID: LCS 560-71311/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	4.99	5.02		SU		101	98 - 102

Lab Sample ID: 560-31594-2 DU — **Client Sample ID: Tank 30 Water-North Manway**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71311

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.6	HF	6.62		SU		0.3	20

Method: 9045D - pH

Lab Sample ID: LCS 560-71348/2 — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 71348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	4.99	5.030		SU		101	98 - 102

Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Corpus Christi	Kansas	NELAC	7	E-10362
TestAmerica Corpus Christi	Oklahoma	State Program	6	9968
TestAmerica Corpus Christi	Texas	NELAC	6	T104704210-11-5
TestAmerica Corpus Christi	USDA	Federal		P330-11-00060
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CC
6010B	Metals (ICP)	SW846	TAL CC
7470A	Mercury (CVAA)	SW846	TAL CC
7471A	Mercury (CVAA)	SW846	TAL CC
1010A	Ignitability,Pensky-Martens Closed Cup Method	SW846	TAL CC
9012	Cyanide, Reactive	SW846	TAL HOU
9034	Sulfide, Reactive	SW846	TAL CC
9040C	pH	SW846	TAL CC
9045D	pH	SW846	TAL CC

Protocol References:

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

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Falcon Refinery

TestAmerica Job ID: 560-31594-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-31594-1	Tank 12 Sludge-North Manway	Waste	03/30/12 12:00	03/30/12 16:10
560-31594-2	Tank 30 Water-North Manway	Water	03/30/12 12:10	03/30/12 16:10
560-31594-3	Trip Blank	Water	03/30/12 13:50	03/30/12 16:10

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

No. 41980

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Lazarus - Falcon Refinery	PROJECT NAME/NUMBER: Falcon Refinery
SEND REPORT TO: Steve Wilson Alonzo Arredondo	BILLING INFORMATION
ADDRESS: swilson@lazarusenergy.com aarredondo@trcsolutions.com	BILL TO: Lazarus
	ADDRESS:
PHONE: 361-522-1935 / 830-263-2458	PHONE: 830-263-2458
FAX:	FAX: PO NO:

LAB JOB NO. 31594

SEAL INTACT Yes obs/cooler
COOLER TEMP 3.5°C / 3.3°C
IR GUN ID ID-4
INITIAL/DATE CLA - 3/30/12

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	TCLP RCRA 8 mtls	RCI	8260	8270	RCRA 8 metals					REMARKS/PRECAUTIONS.
Tank 12	sludge - North manway	3/30/2012	12:00pm noon	sludge	Quart		1		X	X	X	X					
Tank 30	water - North manway	3/30/2012	12:10pm	water	qt		1				X						
Tank 30	" "	3/30/2012	12:10pm	water	qt		1				X						
TANK 30	" "	3/30/2012	12:10pm	water	1L		1	X	X								
Tank 30	" "	3/30/2012	12:10pm	water	40mL		3			X							
					0.5L												
	Trip blank	3/30/2012	1:50	water	40mL		1			X							

SAMPLER: Alonzo Arredondo SHIPMENT METHOD: Hand delivery - drop off AIRBILL NO.:

REQUIRED TURNAROUND ☒ ROUTINE TAT (10 BUSINESS DAYS) ☐ RUSH TAT (MAY REQUIRE SURCHARGE)

1. RELINQUISHED BY: Alonzo Arredondo	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	3/30/2012	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME 4:10 pm	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: C Adams	3/30/12	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: TACC	TIME 16:10	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

TAL-8222-580 (1209)

TestAmerica
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: 361.289.2673/Fax: 361.289.2471

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 560-31594-1

Login Number: 31594
List Number: 1
Creator: Magee, Alice J.

List Source: TestAmerica Corpus Christi

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	Sample 2 (water matrix) has headspace in all vials.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 560-31594-1

Login Number: 31594
List Number: 1
Creator: Meeler, Brandi M

List Source: TestAmerica Houston
List Creation: 04/03/12 10:06 AM

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