

GW - 20

REPORTS

YEAR(S):

2007 - 2009



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2008 AUG 25 PM 1 37

Teri S. Holmes
Environmental Compliance Manager

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CERTIFIED MAIL:

No. 7006 0100 0004 2382 4407
RETURN RECEIPT REQUESTED

September 5, 2008

State of New Mexico
Attn: Mr. Wayne Price
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: **Annual Discharge Permit for Conoco Playa Lake
Discharge Plan #GW-020
Frontier Field Services, LLC
Maljamar Gas Plant, Lea County**

Dear Mr. Price:

Attached is the water analysis and monthly discharged water meter readings for the Frontier Field Services Maljamar Gas Plant disposal of "Reverse Osmosis" wastewater into ConocoPhillips Playa Lake. OCD Discharge Permit #GW-020 requires metering of the discharged water to be recorded monthly and a laboratory analysis of a water sample from this stream on an annual basis.

Please Contact me at one of the numbers or address indicated above with any questions or comments.

Sincerely,

Teri S. Holmes

Attachments (2)

Analytical Report 309326

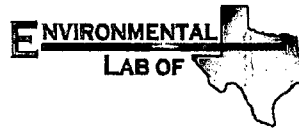
for

Frontier Field Services

Project Manager: Steve Maker

Playa Lake Discharge

12-AUG-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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12-AUG-08

Project Manager: **Steve Maker**
Frontier Field Services
1001 Conoco Road

Maljamar, NM 88264

Reference: XENCO Report No: **309326**
Playa Lake Discharge
Project Address: Maljamar, NM

Steve Maker:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 309326. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 309326 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 309326



Frontier Field Services, Maljamar, NM

Playa Lake Discharge

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
R.O. Discharge	W	Aug-04-08 12:00		309326-001



Certificate of Analysis Summary 309326

Frontier Field Services, Maljamar, NM

Project Name: Playa Lake Discharge

Project Id:

Date Received in Lab: Aug-04-08 04:30 pm

Contact: Steve Maker

Report Date: 12-AUG-08

Project Location: Maljamar, NM

Project Manager: Brent Barron, II

Analysis Requested	Lab Id: 309326-001 Field Id: R.O. Discharge Depth: Matrix: WATER Sampled: Aug-04-08 12:00			
TCLP Mercury by SW-846 7470A	Extracted: Analyzed: Aug-06-08 15:26 Units/RL: mg/L RL			
Mercury	ND 0.0001			
TCLP Metals by SW846 6010B	Extracted: Analyzed: Aug-05-08 14:47 Units/RL: mg/L RL			
Arsenic	0.484 0.200			
Antimony	ND 0.200			
Lead	ND 0.200			
Nickel	ND 0.100			
Beryllium	ND 0.010			
Silver	ND 0.040			
Barium	ND 0.020			
Cadmium	ND 0.010			
Selenium	ND 0.200			
Chromium	0.189 0.050			
TCLP VOAs by EPA 8260B	Extracted: Aug-08-08 16:03 Analyzed: Aug-08-08 18:09 Units/RL: mg/L RL			
Benzene	ND 0.025			
2-Butanone	ND 0.250			
Carbon Tetrachloride	ND 0.025			
Chlorobenzene	ND 0.025			
Chloroform	ND 0.025			
1,4-Dichlorobenzene	ND 0.025			
1,2-Dichloroethane	ND 0.025			
1,1-Dichloroethene	ND 0.025			
Tetrachloroethylene	ND 0.025			
Trichloroethene	ND 0.025			
Vinyl Chloride	ND 0.010			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477



Form 2 - Surrogate Recoveries



Project Name: Playa Lake Discharge

Work Order #: 309326

Project ID:

Lab Batch #: 730624

Sample: 309326-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY

TCLP VOAs by EPA 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	86-115	
Dibromofluoromethane	0.0448	0.0500	90	86-118	
1,2-Dichloroethane-D4	0.0486	0.0500	97	80-120	
Toluene-D8	0.0498	0.0500	100	88-110	

Lab Batch #: 730624

Sample: 309607-001 S / MS

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY

TCLP VOAs by EPA 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0499	0.0500	100	86-115	
Dibromofluoromethane	0.0463	0.0500	93	86-118	
1,2-Dichloroethane-D4	0.0480	0.0500	96	80-120	
Toluene-D8	0.0479	0.0500	96	88-110	

Lab Batch #: 730624

Sample: 309607-001 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY

TCLP VOAs by EPA 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0487	0.0500	97	86-115	
Dibromofluoromethane	0.0455	0.0500	91	86-118	
1,2-Dichloroethane-D4	0.0458	0.0500	92	80-120	
Toluene-D8	0.0494	0.0500	99	88-110	

Lab Batch #: 730624

Sample: 513646-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY

TCLP VOAs by EPA 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0474	0.0500	95	86-115	
Dibromofluoromethane	0.0505	0.0500	101	86-118	
1,2-Dichloroethane-D4	0.0500	0.0500	100	80-120	
Toluene-D8	0.0496	0.0500	99	88-110	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Playa Lake Discharge



Work Order #: 309326

Project ID:

Lab Batch #: 730624

Sample: 513646-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY

TCLP VOAs by EPA 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	86-115	
Dibromofluoromethane	0.0478	0.0500	96	86-118	
1,2-Dichloroethane-D4	0.0518	0.0500	104	80-120	
Toluene-D8	0.0501	0.0500	100	88-110	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Playa Lake Discharge

Work Order #: 309326

Project ID:

Lab Batch #: 730624

Sample: 513646-1-BKS

Matrix: Water

Date Analyzed: 08/08/2008

Date Prepared: 08/08/2008

Analyst: KHM

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TCLP VOAs by EPA 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	ND	0.050	0.048	96	66-142	
2-Butanone	ND	0.500	0.359	72	60-140	
Carbon Tetrachloride	ND	0.050	0.048	96	62-125	
Chlorobenzene	ND	0.050	0.051	102	60-133	
Chloroform	ND	0.050	0.051	102	74-125	
1,4-Dichlorobenzene	ND	0.050	0.048	96	75-125	
1,2-Dichloroethane	ND	0.050	0.050	100	68-127	
1,1-Dichloroethene	ND	0.050	0.054	108	59-172	
Tetrachloroethylene	ND	0.050	0.052	104	71-125	
Trichloroethene	ND	0.050	0.051	102	62-137	
Vinyl Chloride	ND	0.050	0.044	88	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: Playa Lake Discharge

Work Order #: 309326

Analyst: LATCOR

Lab Batch ID: 730165

Sample: 730165-1-BKS

Date Prepared: 08/06/2008

Batch #: 1

Project ID:

Date Analyzed: 08/06/2008

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	ND	0.0010	0.0011	110	0.001	0.0011	110	0	75-125	20	

Analyst: LATCOR

Lab Batch ID: 730071

Sample: 730071-1-BKS

Date Prepared: 08/05/2008

Batch #: 1

Date Analyzed: 08/05/2008

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TCLP Metals by SW846 6010B											
Antimony	ND	1.20	1.26	105	1.2	1.22	102	3	80-120	20	
Arsenic	ND	0.800	0.873	109	0.8	0.896	112	3	80-120	20	
Barium	ND	0.200	0.202	101	0.2	0.203	102	0	80-120	20	
Beryllium	ND	0.200	0.209	105	0.2	0.213	107	2	80-120	20	
Cadmium	ND	0.200	0.208	104	0.2	0.205	103	1	80-120	20	
Chromium	ND	0.200	0.189	95	0.2	0.180	90	5	80-120	20	
Lead	ND	1.10	1.14	104	1.1	1.13	103	1	80-120	20	
Nickel	ND	0.600	0.634	106	0.6	0.657	110	4	80-120	20	
Selenium	ND	0.400	0.442	111	0.4	0.367	92	19	80-120	20	
Silver	ND	0.100	0.083	83	0.1	0.082	82	1	80-120	20	

Relative Percent Difference RPD = $200 \times [(D-G)/(D+G)]$

Blank Spike Recovery [D] = $100 \times (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 \times (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: Playa Lake Discharge



Work Order #: 309326

Lab Batch #: 730165

Date Analyzed: 08/06/2008

QC- Sample ID: 309326-001 S

Reporting Units: mg/L

Project ID:

Date Prepared: 08/06/2008

Analyst: LATCOR

Batch #: 1

Matrix: Water

MATRIX / MATRIX SPIKE RECOVERY STUDY						
TCLP Mercury by SW-846 7470A	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Mercury	ND	0.0010	0.0010	100	75-125	

Lab Batch #: 730071

Date Analyzed: 08/05/2008

Date Prepared: 08/05/2008

Analyst: LATCOR

QC- Sample ID: 309131-001 S

Batch #: 1

Matrix: Water

Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY						
TCLP Metals by SW846 6010B	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Arsenic	0.422	0.800	1.13	89	80-120	
Barium	0.103	0.200	0.282	90	80-120	
Beryllium	ND	0.200	0.198	99	80-120	
Cadmium	ND	0.200	0.170	85	80-120	
Lead	ND	1.10	0.958	87	80-120	
Nickel	ND	0.600	0.571	95	80-120	
Selenium	0.315	0.400	0.268	0	80-120	X
Silver	ND	0.100	ND	0	80-120	X
Antimony	ND	1.20	1.07	89	80-120	
Chromium	0.137	0.200	0.046	0	80-120	X

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Playa Lake Discharge

Work Order #: 309326

Lab Batch ID: 730624

Date Analyzed: 08/08/2008

Reporting Units: mg/L

Project ID:

QC- Sample ID: 309607-001 S

Batch #: 1 Matrix: Water

Date Prepared: 08/08/2008 Analyst: KHM

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY												
Analytes	TCLP VOAs by EPA 8260B	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene		ND	0.050	0.043	86	0.050	0.042	84	2	66-142	21	
2-Butanone		ND	0.500	0.334	67	0.500	0.310	62	8	60-140	20	
Carbon Tetrachloride		ND	0.050	0.043	86	0.050	0.042	84	2	62-125	20	
Chlorobenzene		ND	0.050	0.049	98	0.050	0.050	100	2	60-133	21	
Chloroform		ND	0.050	0.044	88	0.050	0.041	82	7	74-125	20	
1,4-Dichlorobenzene		ND	0.050	0.047	94	0.050	0.048	96	2	75-125	20	
1,2-Dichloroethane		ND	0.050	0.047	94	0.050	0.044	88	7	68-127	20	
1,1-Dichloroethene		ND	0.050	0.048	96	0.050	0.045	90	6	59-172	22	
Tetrachloroethylene		ND	0.050	0.049	98	0.050	0.049	98	0	71-125	20	
Trichloroethene		ND	0.050	0.046	92	0.050	0.044	88	4	62-137	24	
Vinyl Chloride		ND	0.050	0.034	68	0.050	0.033	66	3	75-125	20	X

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$

Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Frontier Field Services
 Date/ Time: 8/4/08 16:30
 Lab ID #: 309326
 Initials: JG

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	☒ Yes	No	° C
#2	Shipping container in good condition?	☒ Yes	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>
#5	Chain of Custody present?	☒ Yes	No	
#6	Sample instructions complete of Chain of Custody?	☒ Yes	No	
#7	Chain of Custody signed when relinquished/ received?	☒ Yes	No	
#8	Chain of Custody agrees with sample label(s)?	☒ Yes	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	☒ Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	☒ Yes	No	
#11	Containers supplied by ELDT?	☒ Yes	No	
#12	Samples in proper container/ bottle?	☒ Yes	No	See Below
#13	Samples properly preserved?	☒ Yes	No	See Below
#14	Sample bottles intact?	☒ Yes	No	
#15	Preservations documented on Chain of Custody?	☒ Yes	No	
#16	Containers documented on Chain of Custody?	☒ Yes	No	
#17	Sufficient sample amount for indicated test(s)?	☒ Yes	No	See Below
#18	All samples received within sufficient hold time?	☒ Yes	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	☒ Yes	No	Not Applicable

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event

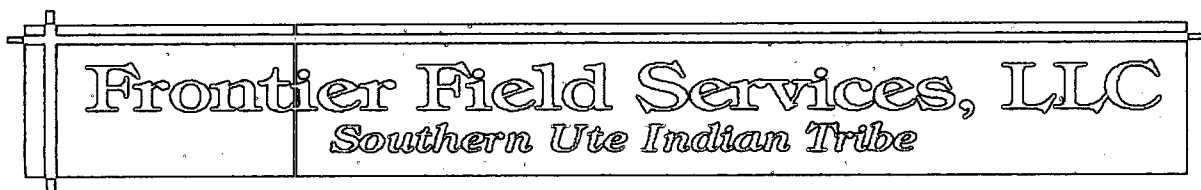
Frontier Field Services, LLC

Southern Ute Indian Tribe

Maljamar Gas Plant

Monthly R.O. Discharge to Playa Lake

Date	Meter Reading	Gallons per Month	Barrels per Month	Cumulative BBL	Monthly Average BBL
	1,675,630				
January 1, 2008	1,692,520	16,890	402	402	402
February 1, 2008	1,706,260	13,740	327	729	365
March 1, 2008	1,717,150	10,890	259	989	330
April 1, 2008	1,728,120	10,970	261	1,250	312
May 1, 2008	1,738,570	10,450	249	1,499	300
June 1, 2008	1,749,340	10,770	256	1,755	253
July 1, 2008	1,757,990	8,650	206	1,961	231
August 1, 2008	1,767,130	9,140	218	2,179	227
September 1, 2008		-1,767,130	-42,075	-39,896	-10,349
October 1, 2008		0	0	-39,896	-8,279
November 1, 2008		0	0	-39,896	-6,899
December 1, 2008		0	0	-39,896	-5,914
January 1, 2009		0	0	-39,896	-5,174
February 1, 2009		0	0	-39,896	-4,599
March 1, 2009		0	0	-39,896	-4,139
April 1, 2009		0	0	-39,896	-3,763
May 1, 2009		0	0	-39,896	-3,450
June 1, 2009		0	0	-39,896	-3,184
July 1, 2009		0	0	-39,896	0
August 1, 2009		0	0	-39,896	0
September 1, 2009		0	0	-39,896	0
October 1, 2008		0	0	-39,896	0
November 1, 2009		0	0	-39,896	0
December 1, 2009		0	0	-39,896	0
January 1, 2010		0	0	-39,896	0
February 1, 2010		0	0	-39,896	0
March 1, 2010		0	0	-39,896	0
April 1, 2010		0	0	-39,896	0
May 1, 2010		0	0	-39,896	0
June 1, 2010		0	0	-39,896	0
July 1, 2010		0	0	-39,896	0
August 1, 2010		0	0	-39,896	0
September 1, 2010		0	0	-39,896	0
October 1, 2010		0	0	-39,896	0
November 1, 2010		0	0	-39,896	0
December 1, 2010		0	0	-39,896	0



Maljamar Gas Plant

Monthly R.O. Discharge to Playa Lake

Date	Meter Reading	Gallons per Month	Barrels per Month	Cumulative BBL	Monthly Average BBL
	1,247,440				
Jan 1 2005	1,259,940	12,500	298	298	298
Feb 1 2005	1,272,490	12,550	299	596	298
March 1 2005	1,284,790	12,300	293	889	296
April 1 2005	1,299,070	14,280	340	1,229	307
May 1 2005	1,314,830	15,760	375	1,605	321
June 1 2005	1,324,270	9,440	225	1,829	305
July 1 2005	1,333,040	8,770	209	2,038	291
Aug 1 2005	1,336,230	3,190	76	2,114	264
Sept 1 2005	1,345,110	8,880	211	2,325	258
Oct 1 2005	1,353,700	8,590	205	2,530	253
Nov 1 2005	1,360,790	7,090	169	2,699	245
Dec 1 2005	1,369,290	8,500	202	2,901	242
Jan 1 2006	1,376,880	7,590	181	3,082	192
Feb 1 2006	1,386,006	9,126	217	3,299	199
March 1 2006	1,391,520	5,514	131	3,430	176
April 1 2006	1,399,470	7,950	189	3,620	180
May 1 2006	1,408,200	8,730	208	3,828	185
June 1 2006	1,415,090	6,890	164	3,992	182
July 1 2006	1,429,610	14,520	346	4,337	205
Aug 1 2006	1,445,650	16,040	382	4,719	227
Sept 1 2006	1,456,633	10,983	262	4,981	231
Oct 1 2006	1,472,720	16,087	383	5,364	246
Nov 1 2006	1,490,590	17,870	425	5,789	263
Dec 1 2006	1,504,380	13,790	328	6,118	268
Jan 1 2007	1,520,350	15,970	380	6,498	354
Feb 1 2007	1,536,130	15,780	376	6,874	378
March 1 2007	1,553,550	17,420	415	7,288	390
April 1 2007	1,566,880	13,330	317	7,606	372
May 1 2007	1,580,250	13,370	318	7,924	361
June 1 2007	1,594,750	14,500	345	8,269	359
July 1 2007	1,605,090	10,340	246	8,515	343
Aug 1 2007	1,615,650	10,560	251	8,767	331
Sept 1 2007	1,629,230	13,580	323	9,090	330
Oct 1 2007	1,645,430	16,200	386	9,476	336
Nov 1 2007	1,657,870	12,440	296	9,772	332
Dec 1 2007	1,675,630	17,760	423	10,195	340

Frontier Field Services, LLC

Southern Ute Indian Tribe

Randy McCollum
Manager of Compliance

Phone: 505-676-3505
Cell: 505-361-0128
Fax: 505-676-2401
rmccollum@frontierfieldservices.com

CERTIFIED MAIL: 7004 0750 0002 5384 7103
RETURN RECEIPT REQUESTED

September 14, 2006

State of New Mexico
Attn: Mr. Wayne Price
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
RECEIVED

SEP 18 2006
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505
1220 S. St. Francis Drive
Santa Fe, NM 87505

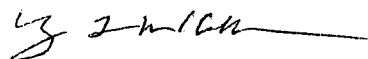
RE: **Annual Discharge Permit for Conoco Playa Lake**
Discharge Plan #GW-020
Frontier Field Services, LLC
Maljamar Gas Plant, Lea County

Dear Mr. Price:

Attached is the water analysis and monthly discharged water meter readings for the Frontier Field Services Maljamar Gas Plant disposal of "Reverse Osmosis" wastewater into ConocoPhillips Playa lake. OCD Discharge Permit # GW-020 requires metering of the discharged water to be recorded monthly and a laboratory analysis of a water sample from this stream on an annual basis.

Please contact me at one of the numbers or address indicated above with any questions or comments.

Sincerely,



Randy McCollum

Attachments (2)

Frontier Field Services, LLC

Southern Ute Indian Tribe

Maljamar Gas Plant

Monthly R.O. Discharge to Playa Lake

Date	Meter Reading	Gallons per Month	Barrels per Month	Cumulative BBL	Monthly Average BBL
	1,247,440				
Jan 1 2005	1,259,940	12,500	298	298	298
Feb 1 2005	1,272,490	12,550	299	596	298
March 1 2005	1,284,790	12,300	293	889	296
April 1 2005	1,299,070	14,280	340	1,229	307
May 1 2005	1,314,830	15,760	375	1,605	321
June 1 2005	1,324,270	9,440	225	1,829	300
July 1 2005	1,333,040	8,770	209	2,038	217
Aug 1 2005	1,336,230	3,190	76	2,114	170
Sept 1 2005	1,345,110	8,880	211	2,325	180
Oct 1 2005	1,353,700	8,590	205	2,530	185
Nov 1 2005	1,360,790	7,090	169	2,699	182
Dec 1 2005	1,369,290	8,500	202	2,901	185
Jan 1 2006	1,376,880	7,590	181	3,082	185
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March 1 2006	1,391,520	5,514	131	3,430	183
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May 1 2006	1,408,200	8,730	208	3,828	185
June 1 2006	1,415,090	6,890	164	3,992	184
July 1 2006	1,429,610	14,520	346	4,337	255
Aug 1 2006	1,445,650	16,040	382	4,719	297
Sept 1 2006	1,456,633	10,983	262	4,981	288
Oct 1 2006		-1,456,633	-34,682	-29,701	-6,706
Nov 1 2006		0	0	-29,701	-5,588
Dec 1 2006		0	0	-29,701	-4,790
Jan 1 2007		0	0	-29,701	-4,191
Feb 1 2007		0	0	-29,701	-3,725
March 1 2007		0	0	-29,701	-3,353
April 1 2007		0	0	-29,701	-3,048
May 1 2007		0	0	-29,701	-2,794
June 1 2007		0	0	-29,701	-2,579
July 1 2007		0	0	-29,701	0
Aug 1 2007		0	0	-29,701	0
Sept 1 2007		0	0	-29,701	0
Oct 1 2007		0	0	-29,701	0
Nov 1 2007		0	0	-29,701	0
Dec 1 2007		0	0	-29,701	0

September 12, 2006

Mr. Randy McCollum
Frontier Energy
P.O. Box 7
Maljamar, Texas 79745

Sample ID: Lab No. 1806
Playa Lake Discharge Water
Sampled 08/29/06
RCI

Compound	Method	Concentration	Units
Corrosivity	SW846.9045C	8.33	pH
Ignitability	ASTM D92	> 160	Deg. F
Reactive Cyanide	SW846.7.3.3	< 50	mg/L
Reactive Sulfide	SW846.7.3.4	< 50	mg/L

NOTE: Results are from another Laboratory.

We appreciate the opportunity to work with you on these tests. If you have any questions or require any further information, please feel free to contact me at any time.

Sincerely,

Stephen Reid
SR/dt

MR. RANDY McCOLLUM
FRONTIER ENERGY
P.O. BOX 7
MALJAMAR, NEW MEXICO 88264

SEPTEMBER 14, 2006

DEAR MR. WRIGHT:
THE FOLLOWING ARE THE RESULTS OF THE PLAYA LAKE DISCHARGE
WATER SAMPLE FOR TCLP SEMI-VOLATILES, RECEIVED 08/29/06,
LAB NO. 1806:

ANALYTE	CONCENTRATION mg/L	DETECTION LIMIT mg/L	REGULATORY LIMIT mg/L
M+P-CRESOL	< 0.1	0.1	200.0
O-CRESOL	< 0.1	0.1	200.0
NITROBENZENE	< 0.1	0.1	2.0
1,4-DICHLOROBENZENE	< 0.1	0.1	7.5
3,3-DICHLOROBENZIDINE	< 0.1	0.1	0.8
2,4-DINITROTOLUENE	< 0.1	0.1	0.13
HEXACHLOROBENZENE	< 0.1	0.1	0.13
HEXACHLORO-1,3-BUTADIENE	< 0.1	0.1	0.5
HEXACHLOROETHANE	< 0.1	0.1	3.0
PENTACHLOROPHENOL	< 0.1	0.1	100.0
PYRIDINE	< 0.1	0.1	5.0
2,4,5-TRICHLOROPHENOL	< 0.1	0.1	400.0
2,4,6-TRICHLOROPHENOL	< 0.1	0.1	2.0

SURROGATE STANDARDS	RECOVERY	QA/QC LIMITS
NITROBENZENE-D5	59.42	35-114%
2-FLUOROBIPHENYL	79.72	43-116%
1,2-DICHLOROBENZENE-d4	99.55	33-141%

METHOD: EPA SWA-8270C

NOTES: RESULTS ARE FROM ANOTHER LAB.
< = LESS THAN

WE APPRECIATE THE OPPORTUNITY TO WORK WITH YOU ON THESE TESTS.
IF YOU HAVE ANY QUESTIONS OR REQUIRE ANY FURTHER INFORMATION,
PLEASE FEEL FREE TO CONTACT ME AT ANY TIME.

SINCERELY,

STEPHEN REID
SR/dt

MR. RANDY McCOLLUM
FRONTIER ENERGY
P.O. BOX 7
MALJAMAR, NEW MEXICO 88264

SEPTEMBER 14, 2006

DEAR MR. WRIGHT:
THE FOLLOWING ARE THE RESULTS OF THE PLAYA LAKE DISCHARGE
WATER SAMPLE FOR TCLP VOLATILES, RECEIVED 08/29/06,
LAB NO. 1806:

ANALYTE	CONCENTRATION mg/L	DETECTION LIMIT mg/L	REGULATORY LIMIT mg/L
BENZENE	< 0.01	0.010	0.5
CARBON TETRACHLORIDE	< 0.01	0.010	0.5
CHLOROBENZENE	< 0.01	0.010	100.0
CHLOROFORM	< 0.01	0.010	6.0
1,2-DICHLOROETHANE	< 0.01	0.010	0.5
2-BUTANONE (MEK)	< 0.01	0.010	200.0
1,1-DICHLOROETHENE	< 0.01	0.010	0.7
TETRACHLOROETHENE	< 0.01	0.010	0.7
TRICHLOROETHENE	< 0.01	0.010	0.5
VINYL CHLORIDE	< 0.01	0.010	0.2

SURROGATE STANDARDS	RECOVERY	QA/QC LIMITS
TOLUENE-D8	93.52	84-110%
4-BROMOFLUOROBENZENE	88.85	86-115%

METHOD: EPA SWA-8260B

NOTES: RESULTS ARE FROM ANOTHER LAB.
< = LESS THAN

WE APPRECIATE THE OPPORTUNITY TO WORK WITH YOU ON THESE TESTS.
IF YOU HAVE ANY QUESTIONS OR REQUIRE ANY FURTHER INFORMATION,
PLEASE FEEL FREE TO CONTACT ME AT ANY TIME.

SINCERELY,

STEPHEN REID
SR/dt

MR. RANDY McCOLLUM
FRONTIER ENERGY
P.O. BOX 7
MALJAMAR, NEW MEXICO 88264

SEPTEMBER 14, 2006

DEAR MR. WRIGHT:
THE FOLLOWING ARE THE RESULTS OF THE PLAYA LAKE DISCHARGE
WATER SAMPLE FOR TCLP METALS, RECEIVED 08/29/06,
LAB NO. 1806:

TEST REQUESTED	TCLP METALS mg/L	REGULATORY LIMIT mg/L	DETECTION LIMIT mg/L
ARSENIC	0.017	5.00	0.006
BARIUM	< 0.004	100.00	0.004
CADMIUM	< 0.0001	1.00	0.0001
CHROMIUM	< 0.011	5.00	0.011
LEAD	< 0.003	5.00	0.003
SELENIUM	0.022	1.00	0.022
SILVER	< 0.003	5.00	0.003
MERCURY	< 0.018	0.20	0.018

NOTE: RESULTS ARE FROM ANOTHER LAB.

NOTE: < = LESS THAN

METHODS: METALS EPA SW846-1311/6010B/7470A

SAMPLES CONTAINING HAZARDOUS AND TOXIC SUBSTANCES WILL BE
RETURNED TO THE POINT OF ORIGIN FOR DISPOSAL. IF THIS IS NOT
POSSIBLE AND MOBILE LABS HAS TO DISPOSE OF THE SAMPLE IN
ACCORDANCE WITH EPA REGULATIONS, THEN ADDITIONAL CHARGES WILL
BE BILLED TO COVER THE COST OF DISPOSAL OF THIS SAMPLE.

WE APPRECIATE THE OPPORTUNITY TO WORK WITH YOU ON THESE TESTS.
IF YOU HAVE ANY QUESTIONS OR REQUIRE ANY FURTHER INFORMATION,
PLEASE FEEL FREE TO CONTACT ME AT ANY TIME.

SINCERELY,

STEPHEN REID
SR/dt

Frontier Field Services, LLC
Southern Ute Indian Tribe

Randy McCollum
Manager of Compliance

Phone: 505-676-3505
Cell: 505-361-0128
Fax: 505-676-2401
rmccollum@frontierfieldservices.com

CERTIFIED MAIL: 7006 0100 0004 2382 1024
RETURN RECEIPT REQUESTED

September 7, 2007

State of New Mexico
Attn: Mr. Wayne Price
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

SCM

RE: **Annual Discharge Permit for Conoco Playa Lake**
Discharge Plan #GW-020
Frontier Field Services, LLC
Maljamar Gas Plant, Lea County

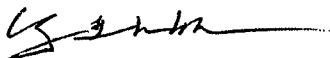
RECEIVED
2007 SEP 12 AM 11:40

Dear Mr. Price:

Attached is the water analysis and monthly discharged water meter readings for the Frontier Field Services Maljamar Gas Plant disposal of "Reverse Osmosis" wastewater into ConocoPhillips Playa lake. OCD Discharge Permit # GW-020 requires metering of the discharged water to be recorded monthly and a laboratory analysis of a water sample from this stream on an annual basis.

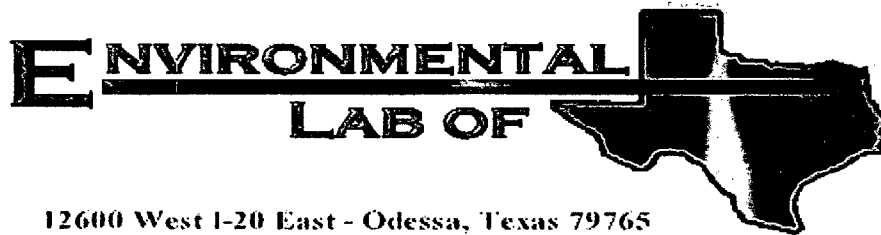
Please contact me at one of the numbers or address indicated above with any questions or comments.

Sincerely,



Randy McCollum

Attachments (2)



12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Randy McCollum

Frontier Field Services

1001 Conoco Road

Maljamar, NM 88264

Project: Playa Lake 2007

Project Number: None Given

Location: Playa Lake

Lab Order Number: 7F14016

Report Date: 06/26/07

Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Playa Lake	7F14016-01	Water	06/14/07 10:45	06-14-2007 15:00

Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Playa Lake (7F14016-01) Water									
Total Alkalinity	432	2.00	mg/L	1	EF71905	06/19/07	06/19/07	EPA 310.1M	
Chloride	58.4	5.00	"	10	EF71803	06/18/07	06/20/07	EPA 300.0	
Total Dissolved Solids	738	10.0	"	1	EF72004	06/18/07	06/20/07	EPA 160.1	
Sulfate	73.3	5.00	"	10	EF71803	06/18/07	06/20/07	EPA 300.0	

Environmental Lab of Texas

A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 20

Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Playa Lake (7F14016-01) Water									
Calcium	2.99	0.0810	mg/L	1	EF72001	06/20/07	06/20/07	EPA 6010B	
Magnesium	0.321	0.0360	"	"	"	"	"	"	
Potassium	88.8	0.600	"	10	"	"	"	"	
Sodium	261	2.15	"	50	"	"	"	"	
Copper	0.00305	0.00241	"	1	EF71524	06/15/07	06/15/07	EPA 6020A	
Iron	J [0.00390]	0.0170	"	"	EF72015	06/20/07	06/20/07	EPA 200.7	J
Mercury	ND	0.000250	"	"	EF72206	06/20/07	06/22/07	EPA 7470A	
Chromium	0.00693	0.000975	"	"	EF71524	06/15/07	06/15/07	EPA 200.8	
Arsenic	0.0206	0.00170	"	"	"	"	"	"	
Selenium	0.00858	0.00300	"	"	"	"	"	"	
Silver	ND	0.000405	"	"	"	"	"	"	
Cadmium	J [0.000139]	0.000692	"	"	"	"	"	"	J
Barium	0.00848	0.000489	"	"	"	"	"	"	
Lead	J [0.000255]	0.000296	"	"	"	"	"	"	J
Manganese	0.000610	0.000570	"	"	"	"	"	"	
Zinc	0.0101	0.00500	"	"	"	"	"	EPA 6020A	

Environmental Lab of Texas

A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 20

Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Playa Lake (7F14016-01) Water									
Dichlorodifluoromethane	ND	1.00	ug/l	1	EF72013	06/20/07	06/22/07	EPA 8260B	
Chloromethane	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
Acetone	ND	5.00	"	"	"	"	"	"	
Iodomethane	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Acrylonitrile	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
Vinyl acetate	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Chloroform	3.73	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	7.08	1.00	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.00	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Toluene	J [0.860]	1.00	"	"	"	"	"	"	J
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	

Environmental Lab of Texas

A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 20

Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Playa Lake (7F14016-01) Water									
1,3-Dichloropropane	ND	1.00	ug/l	1	EF72013	06/20/07	06/22/07	EPA 8260B	
Dibromochloromethane	10.2	1.00	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
Bromoform	16.1	1.00	"	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	68-129	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		87.2 %	72-132	"	"	"	"	"	
Surrogate: Toluene-d8		98.0 %	74-118	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.6 %	65-140	"	"	"	"	"	

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF71803 - General Preparation (WetChem)

Blank (EF71803-BLK1)

Prepared: 06/18/07 Analyzed: 06/20/07

Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

LCS (EF71803-BS1)

Prepared: 06/18/07 Analyzed: 06/20/07

Sulfate	9.99	0.500	mg/L	10.0		99.9	80-120			
Chloride	9.87	0.500	"	10.0		98.7	80-120			

Calibration Check (EF71803-CCV1)

Prepared: 06/18/07 Analyzed: 06/20/07

Sulfate	10.8		mg/L	10.0		108	80-120			
Chloride	8.94		"	10.0		89.4	80-120			

Duplicate (EF71803-DUP1)

Source: 7F14003-06

Prepared: 06/18/07 Analyzed: 06/20/07

Chloride	8400	100	mg/L		6670			23.0	20	R2
Sulfate	407	100	"		326			22.1	20	R2

Matrix Spike (EF71803-MS1)

Source: 7F14003-06

Prepared: 06/18/07 Analyzed: 06/20/07

Sulfate	2060	100	mg/L	2000	326	86.7	80-120			
Chloride	9860	100	"	2000	6670	160	80-120			QM-10

Batch EF71905 - General Preparation (WetChem)

Blank (EF71905-BLK1)

Prepared & Analyzed: 06/19/07

Total Alkalinity	ND	2.00	mg/L							
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LCS (EF71905-BS1)

Prepared & Analyzed: 06/19/07

Bicarbonate Alkalinity	174	2.00	mg/L	200		87.0	85-115			
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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF71905 - General Preparation (WetChem)									
Duplicate (EF71905-DUP1)		Source: 7F14003-01		Prepared & Analyzed: 06/19/07					
Total Alkalinity	260	2.00	mg/L		260		0.00	20	
Reference (EF71905-SRM1)		Prepared & Analyzed: 06/19/07							
Total Alkalinity	250		mg/L	250		100	90-110		
Batch EF72004 - General Preparation (WetChem)									
Blank (EF72004-BLK1)		Prepared: 06/18/07 Analyzed: 06/20/07							
Total Dissolved Solids	ND	10.0	mg/L						
Duplicate (EF72004-DUP1)		Source: 7F14003-01		Prepared: 06/18/07 Analyzed: 06/20/07					
Total Dissolved Solids	3220	10.0	mg/L		3180		1.25	20	
Duplicate (EF72004-DUP2)		Source: 7F14020-03		Prepared: 06/18/07 Analyzed: 06/20/07					
Total Dissolved Solids	526	10.0	mg/L		534		1.51	20	

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%RBC Limits	RPD	RPD Limit	Notes
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Batch EF71524 - EPA 3005A

Blank (EF71524-BLK1)

Prepared & Analyzed: 06/15/07

Copper	ND	0.00241	mg/L							
Zinc	ND	0.00500	"							
Manganese	ND	0.000570	"							
Chromium	ND	0.000975	"							
Arsenic	ND	0.00170	"							
Selenium	ND	0.00300	"							
Silver	ND	0.000405	"							
Cadmium	ND	0.000692	"							
Barium	ND	0.000489	"							
Lead	ND	0.000296	"							

LCS (EF71524-BS1)

Prepared & Analyzed: 06/15/07

Zinc	0.218	0.00500	mg/L	0.200	109	85-115				
Manganese	0.199	0.000570	"	0.200	99.5	85-115				
Copper	0.208	0.00241	"	0.200	104	85-115				
Chromium	0.195	0.000975	"	0.200	97.5	85-115				
Arsenic	0.745	0.00170	"	0.800	93.1	85-115				
Selenium	0.387	0.00300	"	0.400	96.8	85-115				
Silver	0.101	0.000405	"	0.100	101	85-115				
Cadmium	0.201	0.000692	"	0.200	100	85-115				
Barium	0.204	0.000489	"	0.200	102	85-115				
Lead	1.14	0.000296	"	1.10	104	85-115				

LCS Dup (EF71524-BSD1)

Prepared & Analyzed: 06/15/07

Manganese	0.199	0.000570	mg/L	0.200	99.5	85-115	0.00	20		
Zinc	0.218	0.00500	"	0.200	109	85-115	0.00	20		
Copper	0.210	0.00241	"	0.200	105	85-115	0.957	20		
Chromium	0.195	0.000975	"	0.200	97.5	85-115	0.00	20		
Arsenic	0.745	0.00170	"	0.800	93.1	85-115	0.00	20		
Selenium	0.388	0.00300	"	0.400	97.0	85-115	0.258	20		
Silver	0.102	0.000405	"	0.100	102	85-115	0.985	20		
Cadmium	0.203	0.000692	"	0.200	102	85-115	0.990	20		
Barium	0.207	0.000489	"	0.200	104	85-115	1.46	20		
Lead	1.13	0.000296	"	1.10	103	85-115	0.881	20		

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF71524 - EPA 3005A										
Calibration Check (EF71524-CCV1)				Prepared & Analyzed: 06/15/07						
Copper	0.0492		mg/L	0.0500		98.4	90-110			
Zinc	0.0465		"	0.0500		93.0	90-110			
Manganese	0.0505		"	0.0500		101	90-110			
Chromium	0.0514		"	0.0500		103	90-110			
Arsenic	0.0546		"	0.0500		109	90-110			
Selenium	0.0506		"	0.0500		101	90-110			
Silver	0.0518		"	0.0500		104	90-110			
Cadmium	0.0494		"	0.0500		98.8	90-110			
Barium	0.0455		"	0.0500		91.0	90-110			
Lead	0.0502		"	0.0500		100	90-110			
Matrix Spike (EF71524-MS1)				Source: 7F08001-02		Prepared & Analyzed: 06/15/07				
Copper	0.161	0.0241	mg/L	0.200	0.0224	69.3	75-125			MS-3
Zinc	0.197	0.0500	"	0.200	0.0740	61.5	70-130			MS-3
Manganese	1.74	0.00570	"	0.200	1.68	30.0	70-130			MS-3
Chromium	0.175	0.00975	"	0.200	0.0121	81.4	70-130			
Arsenic	0.719	0.0170	"	0.800	0.0252	86.7	70-130			
Selenium	0.321	0.0300	"	0.400	0.00321	79.4	70-130			
Silver	0.0684	0.00405	"	0.100	0.00319	65.2	70-130			MS-3
Cadmium	0.109	0.00692	"	0.200	0.00147	53.8	70-130			MS-3
Barium	0.322	0.00489	"	0.200	0.167	77.5	70-130			
Lead	0.670	0.00296	"	1.10	0.0155	59.5	70-130			MS-3
Matrix Spike Dup (EF71524-MSD1)				Source: 7F08001-02		Prepared & Analyzed: 06/15/07				
Copper	0.164	0.0241	mg/L	0.200	0.0224	70.8	75-125	1.85	20	MS-3
Zinc	0.221	0.0500	"	0.200	0.0740	73.5	70-130	11.5	20	
Manganese	1.73	0.00570	"	0.200	1.68	25.0	70-130	0.576	20	MS-3
Chromium	0.175	0.00975	"	0.200	0.0121	81.4	70-130	0.00	20	
Arsenic	0.712	0.0170	"	0.800	0.0252	85.8	70-130	0.978	20	
Selenium	0.316	0.0300	"	0.400	0.00321	78.2	70-130	1.57	20	
Silver	0.0676	0.00405	"	0.100	0.00319	64.4	70-130	1.18	20	MS-3
Cadmium	0.108	0.00692	"	0.200	0.00147	53.3	70-130	0.922	20	MS-3
Barium	0.317	0.00489	"	0.200	0.167	75.0	70-130	1.56	20	
Lead	0.664	0.00296	"	1.10	0.0155	59.0	70-130	0.900	20	MS-3

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF71524 - EPA 3005A

Post Spike (EF71524-PS1)

Source: 7F08001-02

Prepared & Analyzed: 06/15/07

Copper	8.65	0.120	mg/L	10.0	0.0224	86.3	75-125			
Manganese	11.1	0.0285	"	10.0	1.68	94.2	85-115			
Zinc	8.71	0.250	"	10.0	0.0740	86.4	85-115			
Silver	4.84	0.0202	"	5.00	0.00319	96.7	85-115			
Cadmium	9.68	0.0346	"	10.0	0.00147	96.8	85-115			
Lead	56.3	0.0148	"	55.0	0.0155	102	85-115			

Batch EF72001 - 6010B/No Digestion

Blank (EF72001-BLK1)

Prepared & Analyzed: 06/20/07

Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							

Calibration Check (EF72001-CCV1)

Prepared & Analyzed: 06/20/07

Calcium	2.08		mg/L	2.00		104	85-115			
Magnesium	2.17		"	2.00		108	85-115			
Potassium	1.93		"	2.00		96.5	85-115			
Sodium	2.02		"	2.00		101	85-115			

Duplicate (EF72001-DUP1)

Source: 7F12005-01

Prepared & Analyzed: 06/20/07

Calcium	76.1	4.05	mg/L		70.5		7.64	20		
Magnesium	13.7	0.360	"		14.2		3.58	20		
Potassium	2.32	0.600	"		2.39		2.97	20		
Sodium	31.5	0.430	"		32.9		4.35	20		

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12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF72015 - EPA 3005A										
Blank (EF72015-BLK1)				Prepared & Analyzed: 06/20/07						
Iron	ND	0.0170	mg/L							
LCS (EF72015-BS1)				Prepared & Analyzed: 06/20/07						
Iron	0.193	0.0170	mg/L	0.200		96.5	85-115			
LCS Dup (EF72015-BSD1)				Prepared & Analyzed: 06/20/07						
Iron	0.202	0.0170	mg/L	0.200		101	85-115	4.56	20	
Calibration Check (EF72015-CCV1)				Prepared & Analyzed: 06/20/07						
Iron	0.982		mg/L	1.00		98.2	90-110			
Matrix Spike (EF72015-MS1)		Source: 7F14016-01		Prepared & Analyzed: 06/20/07						
Iron	0.186	0.0170	mg/L	0.200	0.00390	91.0	70-130			
Matrix Spike Dup (EF72015-MSD1)		Source: 7F14016-01		Prepared & Analyzed: 06/20/07						
Iron	0.184	0.0170	mg/L	0.200	0.00390	90.0	70-130	1.08	20	
Batch EF72206 - EPA 7470A										
Blank (EF72206-BLK1)				Prepared & Analyzed: 06/22/07						
Mercury	ND	0.000250	mg/L							
LCS (EF72206-BS1)				Prepared & Analyzed: 06/22/07						
Mercury	0.00109	0.000250	mg/L	0.00100		109	85-115			
LCS Dup (EF72206-BSD1)				Prepared & Analyzed: 06/22/07						
Mercury	0.00110	0.000250	mg/L	0.00100		110	85-115	0.913	20	

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF72206 - EPA 7470A

Calibration Check (EF72206-CCV1)

Prepared & Analyzed: 06/22/07

Mercury	0.000910		mg/L	0.00100		91.0	90-110			
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Matrix Spike (EF72206-MS1)

Source: 7F14016-01

Prepared & Analyzed: 06/22/07

Mercury	0.00118	0.000250	mg/L	0.00100	ND	118	75-125			
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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF72013 - EPA 5030C (GCMS)

Blank (EF72013-BLK1)

Prepared: 06/20/07 Analyzed: 06/22/07

Dichlorodifluoromethane	ND	1.00	ug/l
Chloromethane	ND	1.00	"
Vinyl chloride	ND	1.00	"
Bromomethane	ND	1.00	"
Chloroethane	ND	1.00	"
Trichlorofluoromethane	ND	1.00	"
1,1-Dichloroethene	ND	1.00	"
Acetone	ND	5.00	"
Iodomethane	ND	1.00	"
Carbon disulfide	ND	1.00	"
Methylene chloride	ND	1.00	"
trans-1,2-Dichloroethene	ND	1.00	"
Methyl tert-butyl ether	ND	1.00	"
Acrylonitrile	ND	1.00	"
1,1-Dichloroethane	ND	1.00	"
Vinyl acetate	ND	1.00	"
cis-1,2-Dichloroethene	ND	1.00	"
2-Butanone	ND	1.00	"
Bromochloromethane	ND	1.00	"
Chloroform	ND	1.00	"
1,1,1-Trichloroethane	ND	1.00	"
2,2-Dichloropropane	ND	1.00	"
Carbon tetrachloride	ND	1.00	"
1,1-Dichloropropene	ND	1.00	"
1,2-Dichloroethane	ND	1.00	"
Benzene	ND	1.00	"
Trichloroethene	ND	1.00	"
1,2-Dichloropropane	ND	1.00	"
Dibromomethane	ND	1.00	"
Bromodichloromethane	ND	1.00	"
2-Chloroethylvinyl ether	ND	1.00	"
cis-1,3-Dichloropropene	ND	1.00	"
4-Methyl-2-pentanone	ND	1.00	"
Toluene	ND	1.00	"
trans-1,3-Dichloropropene	ND	1.00	"
1,1,2-Trichloroethane	ND	1.00	"
2-Hexanone	ND	1.00	"
Tetrachloroethene	ND	1.00	"
1,3-Dichloropropane	ND	1.00	"
Dibromochloromethane	ND	1.00	"
1,2-Dibromoethane (EDB)	ND	1.00	"
Chlorobenzene	ND	1.00	"

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF72013 - EPA 5030C (GCMS)

Blank (EF72013-BLK1)

Prepared: 06/20/07 Analyzed: 06/22/07

1,1,1,2-Tetrachloroethane	ND	1.00	ug/l							
Ethylbenzene	ND	1.00	"							
m,p-Xylene	ND	1.00	"							
o-Xylene	ND	1.00	"							
Styrene	ND	1.00	"							
Bromoforn	ND	1.00	"							
trans-1,4-Dichloro-2-butene	ND	1.00	"							
Isopropylbenzene	ND	1.00	"							
1,2,3-Trichloropropane	ND	1.00	"							
1,1,2,2-Tetrachloroethane	ND	1.00	"							
Bromobenzene	ND	1.00	"							
n-Propylbenzene	ND	1.00	"							
2-Chlorotoluene	ND	1.00	"							
1,3,5-Trimethylbenzene	ND	1.00	"							
4-Chlorotoluene	ND	1.00	"							
tert-Butylbenzene	ND	1.00	"							
1,2,4-Trimethylbenzene	ND	1.00	"							
sec-Butylbenzene	ND	1.00	"							
1,3-Dichlorobenzene	ND	1.00	"							
p-Isopropyltoluene	ND	1.00	"							
1,4-Dichlorobenzene	ND	1.00	"							
n-Butylbenzene	ND	1.00	"							
1,2-Dichlorobenzene	ND	1.00	"							
1,2-Dibromo-3-chloropropane	ND	1.00	"							
1,2,4-Trichlorobenzene	ND	1.00	"							
Hexachlorobutadiene	ND	1.00	"							
Naphthalene	ND	1.00	"							
1,2,3-Trichlorobenzene	ND	1.00	"							
Surrogate: Dibromofluoromethane	48.5		"	50.0		97.0	68-129			
Surrogate: 1,2-Dichloroethane-d4	41.1		"	50.0		82.2	72-132			
Surrogate: Toluene-d8	47.6		"	50.0		95.2	74-118			
Surrogate: 4-Bromofluorobenzene	42.9		"	50.0		85.8	65-140			

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF72013 - EPA 5030C (GCMS)									
LCS (EF72013-BS1)									
Prepared: 06/20/07 Analyzed: 06/22/07									
1,1-Dichloroethene	27.8	1.00	ug/l	25.0		111	60-140		
Methylene chloride	24.2	1.00	"	25.0		96.8	60-140		
trans-1,2-Dichloroethene	26.4	1.00	"	25.0		106	60-140		
1,1-Dichloroethane	27.1	1.00	"	25.0		108	60-140		
cis-1,2-Dichloroethene	26.7	1.00	"	25.0		107	60-140		
Bromochloromethane	23.3	1.00	"	25.0		93.2	60-140		
Chloroform	26.4	1.00	"	25.0		106	60-140		
1,1,1-Trichloroethane	26.8	1.00	"	25.0		107	60-140		
2,2-Dichloropropane	28.5	1.00	"	25.0		114	60-140		
Carbon tetrachloride	27.7	1.00	"	25.0		111	60-140		
1,1-Dichloropropene	26.1	1.00	"	25.0		104	60-140		
1,2-Dichloroethane	23.1	1.00	"	25.0		92.4	60-140		
Benzene	24.8	1.00	"	25.0		99.2	60-140		
Trichloroethene	23.9	1.00	"	25.0		95.6	60-140		
1,2-Dichloropropane	24.9	1.00	"	25.0		99.6	60-140		
Dibromomethane	22.6	1.00	"	25.0		90.4	60-140		
Bromodichloromethane	22.3	1.00	"	25.0		89.2	60-140		
cis-1,3-Dichloropropene	23.5	1.00	"	25.0		94.0	60-140		
Toluene	26.7	1.00	"	25.0		107	60-140		
trans-1,3-Dichloropropene	24.5	1.00	"	25.0		98.0	60-140		
1,1,2-Trichloroethane	23.1	1.00	"	25.0		92.4	60-140		
Tetrachloroethene	19.5	1.00	"	25.0		78.0	60-140		
1,3-Dichloropropane	21.7	1.00	"	25.0		86.8	60-140		
Dibromochloromethane	21.2	1.00	"	25.0		84.8	60-140		
1,2-Dibromoethane (EDB)	22.7	1.00	"	25.0		90.8	60-140		
Chlorobenzene	26.6	1.00	"	25.0		106	60-140		
1,1,1,2-Tetrachloroethane	26.0	1.00	"	25.0		104	60-140		
Ethylbenzene	26.6	1.00	"	25.0		106	60-140		
m,p-Xylene	53.6	1.00	"	50.0		107	60-140		
o-Xylene	27.2	1.00	"	25.0		109	60-140		
Styrene	18.8	1.00	"	25.0		75.2	60-140		
Bromoform	18.4	1.00	"	25.0		73.6	60-140		
Isopropylbenzene	29.4	1.00	"	25.0		118	60-140		
1,1,2,2-Tetrachloroethane	18.5	1.00	"	25.0		74.0	60-140		
Bromobenzene	22.5	1.00	"	25.0		90.0	60-140		
n-Propylbenzene	26.6	1.00	"	25.0		106	60-140		
2-Chlorotoluene	24.3	1.00	"	25.0		97.2	60-140		
1,3,5-Trimethylbenzene	25.9	1.00	"	25.0		104	60-140		
4-Chlorotoluene	21.6	1.00	"	25.0		86.4	60-140		
tert-Butylbenzene	28.0	1.00	"	25.0		112	60-140		
1,2,4-Trimethylbenzene	24.8	1.00	"	25.0		99.2	60-140		
sec-Butylbenzene	27.0	1.00	"	25.0		108	60-140		

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF72013 - EPA 5030C (GCMS)

LCS (EF72013-BS1)

Prepared: 06/20/07 Analyzed: 06/22/07

1,3-Dichlorobenzene	26.2	1.00	ug/l	25.0		105	60-140			
p-Isopropyltoluene	28.6	1.00	"	25.0		114	60-140			
1,4-Dichlorobenzene	25.0	1.00	"	25.0		100	60-140			
n-Butylbenzene	28.0	1.00	"	25.0		112	60-140			
1,2-Dichlorobenzene	25.9	1.00	"	25.0		104	60-140			
1,2,4-Trichlorobenzene	25.1	1.00	"	25.0		100	60-140			
Hexachlorobutadiene	28.1	1.00	"	25.0		112	60-140			
Naphthalene	15.8	1.00	"	25.0		63.2	60-140			
1,2,3-Trichlorobenzene	23.2	1.00	"	25.0		92.8	60-140			
Surrogate: Dibromofluoromethane	50.0		"	50.0		100	68-129			
Surrogate: 1,2-Dichloroethane-d4	45.1		"	50.0		90.2	72-132			
Surrogate: Toluene-d8	49.4		"	50.0		98.8	74-118			
Surrogate: 4-Bromofluorobenzene	41.7		"	50.0		83.4	65-140			

Calibration Check (EF72013-CCV1)

Prepared: 06/20/07 Analyzed: 06/22/07

Vinyl chloride	54.0		ug/l	50.0		108	70-130			
1,1-Dichloroethene	56.3		"	50.0		113	70-130			
Chloroform	52.0		"	50.0		104	70-130			
1,2-Dichloropropane	48.9		"	50.0		97.8	70-130			
Toluene	52.1		"	50.0		104	70-130			
Ethylbenzene	51.2		"	50.0		102	70-130			
Surrogate: Dibromofluoromethane	48.3		"	50.0		96.6	68-129			
Surrogate: 1,2-Dichloroethane-d4	41.2		"	50.0		82.4	72-132			
Surrogate: Toluene-d8	48.5		"	50.0		97.0	74-118			
Surrogate: 4-Bromofluorobenzene	42.1		"	50.0		84.2	65-140			

Matrix Spike (EF72013-MS1)

Source: 7F14016-01

Prepared: 06/20/07 Analyzed: 06/22/07

1,1-Dichloroethene	29.8	1.00	ug/l	25.0	ND	119	61-145			
Methylene chloride	24.3	1.00	"	25.0	ND	97.2	60-140			
trans-1,2-Dichloroethene	28.0	1.00	"	25.0	ND	112	60-140			
1,1-Dichloroethane	27.8	1.00	"	25.0	ND	111	60-140			
cis-1,2-Dichloroethene	27.8	1.00	"	25.0	ND	111	60-140			
Bromochloromethane	24.8	1.00	"	25.0	ND	99.2	60-140			
Chloroform	31.2	1.00	"	25.0	3.73	110	60-140			
1,1,1-Trichloroethane	26.5	1.00	"	25.0	ND	106	60-140			
2,2-Dichloropropane	27.9	1.00	"	25.0	ND	112	60-140			
Carbon tetrachloride	27.6	1.00	"	25.0	ND	110	60-140			
1,1-Dichloropropene	27.1	1.00	"	25.0	ND	108	60-140			
1,2-Dichloroethane	23.4	1.00	"	25.0	ND	93.6	60-140			
Benzene	25.6	1.00	"	25.0	ND	102	76-127			
Trichloroethene	25.1	1.00	"	25.0	ND	100	71-120			
1,2-Dichloropropane	25.6	1.00	"	25.0	ND	102	60-140			
Dibromomethane	22.2	1.00	"	25.0	ND	88.8	60-140			

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF72013 - EPA 5030C (GCMS)

Matrix Spike (EF72013-MS1)	Source: 7F14016-01			Prepared: 06/20/07 Analyzed: 06/22/07						
Bromodichloromethane	29.7	1.00	ug/l	25.0	7.08	90.5	60-140			
cis-1,3-Dichloropropene	23.2	1.00	"	25.0	ND	92.8	60-140			
Toluene	27.1	1.00	"	25.0	0.860	105	76-125			
trans-1,3-Dichloropropene	24.0	1.00	"	25.0	ND	96.0	60-140			
1,1,2-Trichloroethane	22.4	1.00	"	25.0	ND	89.6	60-140			
Tetrachloroethene	19.0	1.00	"	25.0	ND	76.0	60-140			
1,3-Dichloropropane	21.4	1.00	"	25.0	ND	85.6	60-140			
Dibromochloromethane	30.8	1.00	"	25.0	10.2	82.4	60-140			
1,2-Dibromoethane (EDB)	21.3	1.00	"	25.0	ND	85.2	60-140			
Chlorobenzene	26.3	1.00	"	25.0	ND	105	75-130			
1,1,1,2-Tetrachloroethane	24.9	1.00	"	25.0	ND	99.6	60-140			
Ethylbenzene	26.9	1.00	"	25.0	ND	108	60-140			
m,p-Xylene	53.6	1.00	"	50.0	ND	107	60-140			
o-Xylene	27.1	1.00	"	25.0	ND	108	60-140			
Styrene	18.5	1.00	"	25.0	ND	74.0	60-140			
Bromoform	33.7	1.00	"	25.0	16.1	70.4	60-140			
Isopropylbenzene	31.7	1.00	"	25.0	ND	127	60-140			
1,1,2,2-Tetrachloroethane	18.7	1.00	"	25.0	ND	74.8	60-140			
Bromobenzene	24.1	1.00	"	25.0	ND	96.4	60-140			
n-Propylbenzene	28.6	1.00	"	25.0	ND	114	60-140			
2-Chlorotoluene	26.0	1.00	"	25.0	ND	104	60-140			
1,3,5-Trimethylbenzene	27.8	1.00	"	25.0	ND	111	60-140			
4-Chlorotoluene	22.8	1.00	"	25.0	ND	91.2	60-140			
tert-Butylbenzene	29.1	1.00	"	25.0	ND	116	60-140			
1,2,4-Trimethylbenzene	26.1	1.00	"	25.0	ND	104	60-140			
sec-Butylbenzene	28.4	1.00	"	25.0	ND	114	60-140			
1,3-Dichlorobenzene	28.0	1.00	"	25.0	ND	112	60-140			
p-Isopropyltoluene	30.4	1.00	"	25.0	ND	122	60-140			
1,4-Dichlorobenzene	25.1	1.00	"	25.0	ND	100	60-140			
n-Butylbenzene	29.8	1.00	"	25.0	ND	119	60-140			
1,2-Dichlorobenzene	26.7	1.00	"	25.0	ND	107	60-140			
1,2,4-Trichlorobenzene	24.5	1.00	"	25.0	ND	98.0	60-140			
Hexachlorobutadiene	27.8	1.00	"	25.0	ND	111	60-140			
Naphthalene	15.2	1.00	"	25.0	ND	60.8	60-140			
1,2,3-Trichlorobenzene	22.8	1.00	"	25.0	ND	91.2	60-140			
Surrogate: Dibromofluoromethane	48.6		"	50.0		97.2	68-129			
Surrogate: 1,2-Dichloroethane-d4	42.8		"	50.0		85.6	72-132			
Surrogate: Toluene-d8	47.9		"	50.0		95.8	74-118			
Surrogate: 4-Bromofluorobenzene	42.1		"	50.0		84.2	65-140			

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF72013 - EPA 5030C (GCMS)										
Matrix Spike Dup (EF72013-MSD1)	Source: 7F14016-01			Prepared: 06/20/07 Analyzed: 06/22/07						
1,1-Dichloroethene	29.6	1.00	ug/l	25.0	ND	118	61-145	0.844	14	
Methylene chloride	23.8	1.00	"	25.0	ND	95.2	60-140	2.08	20	
trans-1,2-Dichloroethene	27.4	1.00	"	25.0	ND	110	60-140	1.80	20	
1,1-Dichloroethane	28.1	1.00	"	25.0	ND	112	60-140	0.897	20	
cis-1,2-Dichloroethene	27.6	1.00	"	25.0	ND	110	60-140	0.905	20	
Bromochloromethane	24.6	1.00	"	25.0	ND	98.4	60-140	0.810	20	
Chloroform	31.0	1.00	"	25.0	3.73	109	60-140	0.913	20	
1,1,1-Trichloroethane	26.7	1.00	"	25.0	ND	107	60-140	0.939	20	
2,2-Dichloropropane	28.0	1.00	"	25.0	ND	112	60-140	0.00	20	
Carbon tetrachloride	27.5	1.00	"	25.0	ND	110	60-140	0.00	20	
1,1-Dichloropropene	26.4	1.00	"	25.0	ND	106	60-140	1.87	20	
1,2-Dichloroethane	23.2	1.00	"	25.0	ND	92.8	60-140	0.858	20	
Benzene	25.4	1.00	"	25.0	ND	102	76-127	0.00	11	
Trichloroethene	25.4	1.00	"	25.0	ND	102	71-120	1.98	14	
1,2-Dichloropropane	25.5	1.00	"	25.0	ND	102	60-140	0.00	20	
Dibromomethane	22.6	1.00	"	25.0	ND	90.4	60-140	1.79	20	
Bromodichloromethane	29.5	1.00	"	25.0	7.08	89.7	60-140	0.888	20	
cis-1,3-Dichloropropene	23.2	1.00	"	25.0	ND	92.8	60-140	0.00	20	
Toluene	27.3	1.00	"	25.0	0.860	106	76-125	0.948	13	
trans-1,3-Dichloropropene	24.0	1.00	"	25.0	ND	96.0	60-140	0.00	20	
1,1,2-Trichloroethane	22.5	1.00	"	25.0	ND	90.0	60-140	0.445	20	
Tetrachloroethene	19.3	1.00	"	25.0	ND	77.2	60-140	1.57	20	
1,3-Dichloropropane	21.6	1.00	"	25.0	ND	86.4	60-140	0.930	20	
Dibromochloromethane	31.3	1.00	"	25.0	10.2	84.4	60-140	2.40	20	
1,2-Dibromoethane (EDB)	22.2	1.00	"	25.0	ND	88.8	60-140	4.14	20	
Chlorobenzene	26.3	1.00	"	25.0	ND	105	75-130	0.00	13	
1,1,1,2-Tetrachloroethane	25.0	1.00	"	25.0	ND	100	60-140	0.401	20	
Ethylbenzene	26.7	1.00	"	25.0	ND	107	60-140	0.930	20	
m,p-Xylene	53.9	1.00	"	50.0	ND	108	60-140	0.930	20	
o-Xylene	27.4	1.00	"	25.0	ND	110	60-140	1.83	20	
Styrene	18.5	1.00	"	25.0	ND	74.0	60-140	0.00	20	
Bromoform	35.6	1.00	"	25.0	16.1	78.0	60-140	10.2	20	
Isopropylbenzene	31.1	1.00	"	25.0	ND	124	60-140	2.39	20	
1,1,2,2-Tetrachloroethane	18.8	1.00	"	25.0	ND	75.2	60-140	0.533	20	
Bromobenzene	23.6	1.00	"	25.0	ND	94.4	60-140	2.10	20	
n-Propylbenzene	28.2	1.00	"	25.0	ND	113	60-140	0.881	20	
2-Chlorotoluene	25.6	1.00	"	25.0	ND	102	60-140	1.94	20	
1,3,5-Trimethylbenzene	27.0	1.00	"	25.0	ND	108	60-140	2.74	20	
4-Chlorotoluene	23.2	1.00	"	25.0	ND	92.8	60-140	1.74	20	
tert-Butylbenzene	28.8	1.00	"	25.0	ND	115	60-140	0.866	20	
1,2,4-Trimethylbenzene	25.9	1.00	"	25.0	ND	104	60-140	0.00	20	
sec-Butylbenzene	28.6	1.00	"	25.0	ND	114	60-140	0.00	20	

Environmental Lab of Texas

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF72013 - EPA 5030C (GCMS)

Matrix Spike Dup (EF72013-MSD1)		Source: 7F14016-01		Prepared: 06/20/07		Analyzed: 06/22/07				
1,3-Dichlorobenzene	27.4	1.00	ug/l	25.0	ND	110	60-140	1.80	20	
p-Isopropyltoluene	30.3	1.00	"	25.0	ND	121	60-140	0.823	20	
1,4-Dichlorobenzene	25.4	1.00	"	25.0	ND	102	60-140	1.98	20	
n-Butylbenzene	29.6	1.00	"	25.0	ND	118	60-140	0.844	20	
1,2-Dichlorobenzene	26.8	1.00	"	25.0	ND	107	60-140	0.00	20	
1,2,4-Trichlorobenzene	26.0	1.00	"	25.0	ND	104	60-140	5.94	20	
Hexachlorobutadiene	29.7	1.00	"	25.0	ND	119	60-140	6.96	20	
Naphthalene	17.2	1.00	"	25.0	ND	68.8	60-140	12.3	20	
1,2,3-Trichlorobenzene	25.2	1.00	"	25.0	ND	101	60-140	10.2	20	
Surrogate: Dibromofluoromethane	49.5		"	50.0		99.0	68-129			
Surrogate: 1,2-Dichloroethane-d4	44.6		"	50.0		89.2	72-132			
Surrogate: Toluene-d8	49.6		"	50.0		99.2	74-118			
Surrogate: 4-Bromofluorobenzene	43.3		"	50.0		86.6	65-140			

Environmental Lab of Texas

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Frontier Field Services
1001 Conoco Road
Maljamar NM, 88264

Project: Playa Lake 2007
Project Number: None Given
Project Manager: Randy McCollum

Fax: (505) 373-2400

Notes and Definitions

R2 The RPD exceeded the acceptance limit.

QM-10 LCS/LCSD were analyzed in place of MS/MSD.

MS-3 Matrix spike and/or matrix spike duplicate outside 75-125% limits. Serial dilution (x5) outside 10% RPD limits. Post spike for the serial dilution sample was within 75-125% recovery, therefore data accepted based on method requirements.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

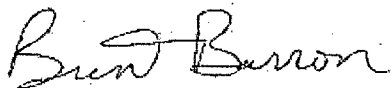
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

6/26/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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Analytical Report 284275

for

Frontier Field Services

Project Manager: Randy McCollum

Playa Lake 2007

22-JUN-07



12600 West I-20 East Odessa, Texas 79765

NELAC certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



22-JUN-07

Project Manager: **Randy McCollum**
Frontier Field Services
1001 Conoco Road

Maljamar, NM 88264

Reference: XENCO Report No: **284275**
Playa Lake 2007
Project Address: Playa Lake

Randy McCollum:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 284275. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 284275 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron

Odessa Laboratory Director

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



Certificate of Analysis Summary 284275

Frontier Field Services, Maljamar, NM

Project Name: Playa Lake 2007



Project Id:

Contact: Randy McCollum

Project Location: Playa Lake

Date Received in Lab: Jun-14-07 03:00 pm

Report Date: 22-JUN-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	284275-001			
	Field Id:	Playa Lake			
	Depth:				
	Matrix:	WATER			
	Sampled:	Jun-14-07 10:45			
SVOAs by EPA 8270C	Extracted:	Jun-19-07 09:06			
	Analyzed:	Jun-19-07 16:34			
	Units/RL:	mg/L RL			
Acenaphthene		ND 0.005			
Acenaphthylene		ND 0.005			
Aniline (Phenylamine, Aminobenzene)		ND 0.020			
Anthracene		ND 0.005			
Benzo(a)anthracene		ND 0.005			
Benzo(a)pyrene		ND 0.005			
Benzo(b)fluoranthene		ND 0.005			
Benzo(k)fluoranthene		ND 0.005			
Benzo(g,h,i)perylene		ND 0.005			
Benzoic Acid		ND 0.030			
Benzyl Butyl Phthalate		ND 0.005			
bis(2-chloroethoxy) methane		ND 0.010			
bis(2-chloroethyl) ether		ND 0.010			
bis(2-chloroisopropyl) ether		ND 0.010			
bis(2-ethylhexyl) phthalate		ND 0.005			
4-Bromophenyl-phenylether		ND 0.010			
4-chloro-3-methylphenol		ND 0.010			
4-Chloroaniline		ND 0.020			
2-Chloronaphthalene		ND 0.010			
2-Chlorophenol		ND 0.010			
4-Chlorophenyl Phenyl Ether		ND 0.010			
Chrysene		ND 0.005			
Dibenz(a,h)Anthracene		ND 0.005			
Dibenzofuran		ND 0.010			
di-n-Butyl Phthalate		ND 0.005			
1,2-Dichlorobenzene		ND 0.010			
1,3-Dichlorobenzene		ND 0.010			
1,4-Dichlorobenzene		ND 0.010			
3,3-Dichlorobenzidine		ND 0.010			
2,4-Dichlorophenol		ND 0.010			
Diethyl Phthalate		ND 0.005			
Dimethyl Phthalate		ND 0.005			
2,4-Dimethylphenol		ND 0.010			
4,6-dinitro-2-methyl phenol		ND 0.010			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 284275

Frontier Field Services, Maljamar, NM

Project Name: Playa Lake 2007



Project Id:

Contact: Randy McCollum

Project Location: Playa Lake

Date Received in Lab: Jun-14-07 03:00 pm

Report Date: 22-JUN-07

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	Depth:				
	Matrix:	WATER			
	Sampled:	Jun-14-07 10:45			
SVOAs by EPA 8270C	Extracted:	Jun-19-07 09:06			
	Analyzed:	Jun-19-07 16:34			
	Units/RL:	mg/L RL			
2,4-Dinitrophenol		ND 0.010			
2,4-Dinitrotoluene		ND 0.010			
2,6-Dinitrotoluene		ND 0.010			
di-n-Octyl Phthalate		ND 0.005			
Fluoranthene		ND 0.005			
Fluorene		ND 0.005			
Hexachlorobenzene		ND 0.010			
Hexachlorobutadiene		ND 0.010			
Hexachlorocyclopentadiene		ND 0.010			
Hexachloroethane		ND 0.010			
Indeno(1,2,3-c,d)Pyrene		ND 0.005			
Isophorone		ND 0.010			
2-Methylnaphthalene		ND 0.005			
2-methylphenol		ND 0.010			
3&4-Methylphenol		ND 0.010			
Naphthalene		ND 0.005			
2-Nitroaniline		ND 0.010			
3-Nitroaniline		ND 0.010			
4-Nitroaniline		ND 0.020			
Nitrobenzene		ND 0.010			
2-Nitrophenol		ND 0.010			
4-Nitrophenol		ND 0.010			
N-Nitrosodi-n-Propylamine		ND 0.010			
N-Nitrosodiphenylamine		ND 0.010			
Pentachlorophenol		ND 0.010			
Phenanthrene		ND 0.005			
Phenol		ND 0.010			
Pyrene		ND 0.005			
Pyridine		ND 0.010			
1,2,4-Trichlorobenzene		ND 0.010			
2,4,5-Trichlorophenol		ND 0.010			
2,4,6-Trichlorophenol		ND 0.010			

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Brent Barron

Odessa Laboratory Director



Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.

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Form 2 - Surrogate Recoveries



Project Name: Playa Lake 2007

Work Order #: 284275

Project ID:

Lab Batch #: 698667

Sample: 284275-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY					
SVOAs by EPA 8270C	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
2-Fluorobiphenyl	0.033	0.050	66	43-116	
2-Fluorophenol	0.015	0.050	30	21-100	
Nitrobenzene-d5	0.032	0.050	64	35-114	
Phenol-d6	0.008	0.050	16	10-94	
Terphenyl-D14	0.039	0.050	78	33-141	
2,4,6-Tribromophenol	0.043	0.050	86	10-123	

Lab Batch #: 698667

Sample: 496221-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY					
SVOAs by EPA 8270C	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
2-Fluorobiphenyl	0.040	0.050	80	43-116	
2-Fluorophenol	0.030	0.050	60	21-100	
Nitrobenzene-d5	0.040	0.050	80	35-114	
Phenol-d6	0.022	0.050	44	10-94	
Terphenyl-D14	0.041	0.050	82	33-141	
2,4,6-Tribromophenol	0.047	0.050	94	10-123	

Lab Batch #: 698667

Sample: 496221-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY					
SVOAs by EPA 8270C	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
2-Fluorobiphenyl	0.037	0.050	74	43-116	
2-Fluorophenol	0.027	0.050	54	21-100	
Nitrobenzene-d5	0.036	0.050	72	35-114	
Phenol-d6	0.018	0.050	36	10-94	
Terphenyl-D14	0.040	0.050	80	33-141	
2,4,6-Tribromophenol	0.044	0.050	88	10-123	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Playa Lake 2007



Work Order #: 284275

Project ID:

Lab Batch #: 698667

Sample: 496221-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY					
SVOAs by EPA 8270C	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
2-Fluorobiphenyl	0.039	0.050	78	43-116	
2-Fluorophenol	0.028	0.050	56	21-100	
Nitrobenzene-d5	0.038	0.050	76	35-114	
Phenol-d6	0.021	0.050	42	10-94	
Terphenyl-D14	0.040	0.050	80	33-141	
2,4,6-Tribromophenol	0.045	0.050	90	10-123	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries

Project Name: Playa Lake 2007

Work Order #: 284275

Analyst: TTD

Lab Batch ID: 698667

Sample: 496221-1-BKS

Project ID:

Date Prepared: 06/19/2007

Date Analyzed: 06/19/2007

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
SVOAs by EPA 8270C	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Acenaphthene	ND	0.050	0.040	80	0.05	0.039	78	3	54-114	25	
Acenaphthylene	ND	0.050	0.041	82	0.05	0.040	80	2	53-113	25	
Aniline (Phenylamine, Aminobenzene)	ND	0.050	0.040	80	0.05	0.037	74	8	35-104	25	
Anthracene	ND	0.050	0.041	82	0.05	0.039	78	5	56-116	25	
Benzo(a)anthracene	ND	0.050	0.041	82	0.05	0.039	78	5	59-116	25	
Benzo(a)pyrene	ND	0.050	0.042	84	0.05	0.041	82	2	58-118	25	
Benzo(b)fluoranthene	ND	0.050	0.043	86	0.05	0.040	80	7	54-123	25	
Benzo(k)fluoranthene	ND	0.050	0.041	82	0.05	0.040	80	2	52-122	25	
Benzo(g,h,i)perylene	ND	0.050	0.042	84	0.05	0.040	80	5	47-129	25	
Benzoic Acid	ND	0.150	0.087	58	0.15	0.082	55	5	4-113	25	
Benzyl Butyl Phthalate	ND	0.050	0.038	76	0.05	0.035	70	8	57-122	25	
bis(2-chloroethoxy) methane	ND	0.050	0.042	84	0.05	0.040	80	5	53-112	25	
bis(2-chloroethyl) ether	ND	0.050	0.036	72	0.05	0.035	70	3	57-108	25	
bis(2-chloroisopropyl) ether	ND	0.050	0.040	80	0.05	0.037	74	8	54-111	25	
bis(2-ethylhexyl) phthalate	ND	0.050	0.037	74	0.05	0.035	70	6	59-119	25	
4-Bromophenyl-phenylether	ND	0.050	0.044	88	0.05	0.043	86	2	58-112	25	
4-chloro-3-methylphenol	ND	0.050	0.042	84	0.05	0.041	82	2	58-116	25	
4-Chloroaniline	ND	0.050	0.045	90	0.05	0.044	88	2	2-123	25	
2-Chloronaphthalene	ND	0.050	0.041	82	0.05	0.040	80	2	58-105	25	
2-Chlorophenol	ND	0.050	0.037	74	0.05	0.037	74	0	58-106	25	

Relative Percent Difference $RPD = 200 * [(D-F)/(D+F)]$

Blank Spike Recovery $[D] = 100 * (C)/[B]$

Blank Spike Duplicate Recovery $[G] = 100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Playa Lake 2007

Work Order #: 284275

Project ID:

Analyst: TTD

Date Analyzed: 06/19/2007

Lab Batch ID: 698667

Sample: 496221-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

SVOAs by EPA 8270C	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
4-Chlorophenyl Phenyl Ether	ND	0.050	0.043	86	0.05	0.042	84	2	59-109	25	
Chrysene	ND	0.050	0.042	84	0.05	0.040	80	5	58-116	25	
Dibenz(a,h)Anthracene	ND	0.050	0.042	84	0.05	0.040	80	5	46-131	25	
Dibenzofuran	ND	0.050	0.042	84	0.05	0.041	82	2	56-111	25	
di-n-Butyl Phthalate	ND	0.050	0.039	78	0.05	0.037	74	5	60-118	25	
1,2-Dichlorobenzene	ND	0.050	0.039	78	0.05	0.038	76	3	53-106	25	
1,3-Dichlorobenzene	ND	0.050	0.038	76	0.05	0.038	76	0	52-105	25	
1,4-Dichlorobenzene	ND	0.050	0.039	78	0.05	0.038	76	3	54-105	25	
3,3-Dichlorobenzidine	ND	0.050	0.045	90	0.05	0.043	86	5	36-123	25	
2,4-Dichlorophenol	ND	0.050	0.041	82	0.05	0.040	80	2	60-110	25	
Diethyl Phthalate	ND	0.050	0.041	82	0.05	0.039	78	5	62-114	25	
Dimethyl Phthalate	ND	0.050	0.042	84	0.05	0.041	82	2	59-113	25	
2,4-Dimethylphenol	ND	0.050	0.039	78	0.05	0.039	78	0	50-108	25	
4,6-dinitro-2-methyl phenol	ND	0.050	0.048	96	0.05	0.045	90	6	57-119	25	
2,4-Dinitrophenol	ND	0.050	0.045	90	0.05	0.043	86	5	52-111	25	
2,4-Dinitrotoluene	ND	0.050	0.042	84	0.05	0.041	82	2	60-116	25	
2,6-Dinitrotoluene	ND	0.050	0.041	82	0.05	0.040	80	2	60-115	25	
di-n-Octyl Phthalate	ND	0.050	0.037	74	0.05	0.035	70	6	49-129	25	
Fluoranthene	ND	0.050	0.042	84	0.05	0.040	80	5	55-120	25	
Fluorene	ND	0.050	0.041	82	0.05	0.040	80	2	56-114	25	

Relative Percent Difference RPD = $200 * [(D-F)/(D+F)]$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Project Name: Playa Lake 2007
Work Order #: 284275
Project ID:
Analyst: TTD
Date Analyzed: 06/19/2007
Date Prepared: 06/19/2007
Lab Batch ID: 698667
Sample: 496221-1-BKS
Batch #: 1
Matrix: Water
Units: mg/L

SVOAs by EPA 8270C	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Hexachlorobenzene	ND	0.050	0.045	90	0.05	0.043	86	5	60-109	25	
Hexachlorobutadiene	ND	0.050	0.045	90	0.05	0.044	88	2	52-107	25	
Hexachlorocyclopentadiene	ND	0.050	0.045	90	0.05	0.045	90	0	32-115	25	
Hexachloroethane	ND	0.050	0.037	74	0.05	0.036	72	3	46-115	25	
Indeno(1,2,3-c,d)Pyrene	ND	0.050	0.042	84	0.05	0.040	80	5	44-132	25	
Isophorone	ND	0.050	0.041	82	0.05	0.039	78	5	57-107	25	
2-Methylnaphthalene	ND	0.050	0.041	82	0.05	0.040	80	2	57-106	25	
2-methylphenol	ND	0.050	0.036	72	0.05	0.036	72	0	52-106	25	
3&4-Methylphenol	ND	0.100	0.066	66	0.1	0.065	65	2	23-140	25	
Naphthalene	ND	0.050	0.039	78	0.05	0.039	78	0	53-110	25	
2-Nitroaniline	ND	0.050	0.043	86	0.05	0.041	82	5	55-120	25	
3-Nitroaniline	ND	0.050	0.040	80	0.05	0.039	78	3	49-120	25	
4-Nitroaniline	ND	0.050	0.042	84	0.05	0.040	80	5	52-118	25	
Nitrobenzene	ND	0.050	0.040	80	0.05	0.038	76	5	56-107	25	
2-Nitrophenol	ND	0.050	0.039	78	0.05	0.038	76	3	57-105	25	
4-Nitrophenol	ND	0.050	0.026	52	0.05	0.023	46	12	18-104	25	
N-Nitrosodi-n-Propylamine	ND	0.050	0.047	94	0.05	0.046	92	2	21-137	25	
N-Nitrosodiphenylamine	ND	0.050	0.042	84	0.05	0.041	82	2	50-121	25	
Pentachlorophenol	ND	0.050	0.046	92	0.05	0.044	88	4	36-132	25	
Phenanthrene	ND	0.050	0.041	82	0.05	0.039	78	5	56-116	25	

 Relative Percent Difference RPD = $100 \times (D-F)/(D+F)$

 Blank Spike Recovery [D] = $100 \times (C)/[B]$

 Blank Spike Duplicate Recovery [G] = $100 \times (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Work Order #: 284275

Analyst: TTD

Lab Batch ID: 698667

Sample: 496221-1-BKS

Units: mg/L

Project Name: Playa Lake 2007

Project ID:

Date Analyzed: 06/19/2007

Matrix: Water

Date Prepared: 06/19/2007

Batch #: 1

SVOAs by EPA 8270C		Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
Phenol		ND	0.050	0.024	48	0.05	0.023	46	4	19-89	25	
Pyrene		ND	0.050	0.040	80	0.05	0.039	78	3	57-119	25	
Pyridine		ND	0.050	0.024	48	0.05	0.024	48	0	5-94	25	
1,2,4-Trichlorobenzene		ND	0.050	0.042	84	0.05	0.041	82	2	56-104	25	
2,4,5-Trichlorophenol		ND	0.050	0.045	90	0.05	0.043	86	5	55-114	25	
2,4,6-Trichlorophenol		ND	0.050	0.044	88	0.05	0.043	86	2	57-113	25	

 Relative Percent Difference RPD = $200 \times (D-F) / (D+F)$

 Blank Spike Recovery [D] = $100 \times (C) / [B]$

 Blank Spike Duplicate Recovery [G] = $100 \times (F) / [E]$

All results are based on MDL and Validated for QC Purposes

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Frontier Field Svcs
 Date/ Time: 6-14-07 3:00
 Lab ID #: 7F14616
 Initials: dl

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>0.0</u> °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	<u>Not Present</u>	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	<u>Not Present</u>	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	<u>Yes</u>	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event

Frontier Field Services, LLC

Southern Ute Indian Tribe

Maljamar Gas Plant

Monthly R.O. Discharge to Playa Lake

Date	Meter Reading	Gallons per Month	Barrels per Month	Cumulative BBL	Monthly Average BBL
	1,247,440				
Jan 1 2005	1,259,940	12,500	298	298	298
Feb 1 2005	1,272,490	12,550	299	596	298
March 1 2005	1,284,790	12,300	293	889	296
April 1 2005	1,299,070	14,280	340	1,229	307
May 1 2005	1,314,830	15,760	375	1,605	321
June 1 2005	1,324,270	9,440	225	1,829	305
July 1 2005	1,333,040	8,770	209	2,038	291
Aug 1 2005	1,336,230	3,190	76	2,114	264
Sept 1 2005	1,345,110	8,880	211	2,325	258
Oct 1 2005	1,353,700	8,590	205	2,530	253
Nov 1 2005	1,360,790	7,090	169	2,699	245
Dec 1 2005	1,369,290	8,500	202	2,901	242
Jan 1 2006	1,376,880	7,590	181	3,082	192
Feb 1 2006	1,386,006	9,126	217	3,299	199
March 1 2006	1,391,520	5,514	131	3,430	176
April 1 2006	1,399,470	7,950	189	3,620	180
May 1 2006	1,408,200	8,730	208	3,828	185
June 1 2006	1,415,090	6,890	164	3,992	182
July 1 2006	1,429,610	14,520	346	4,337	205
Aug 1 2006	1,445,650	16,040	382	4,719	227
Sept 1 2006	1,456,633	10,983	262	4,981	231
Oct 1 2006	1,472,720	16,087	383	5,364	246
Nov 1 2006	1,490,590	17,870	425	5,789	263
Dec 1 2006	1,504,380	13,790	328	6,118	268
Jan 1 2007	1,520,350	15,970	380	6,498	354
Feb 1 2007	1,536,130	15,780	376	6,874	378
March 1 2007	1,553,550	17,420	415	7,288	390
April 1 2007	1,566,880	13,330	317	7,606	372
May 1 2007	1,580,250	13,370	318	7,924	361
June 1 2007	1,594,750	14,500	345	8,269	359
July 1 2007	1,605,090	10,340	246	8,515	343
Aug 1 2007	1,615,650	10,560	251	8,767	331
Sept 1 2007	1,629,230	13,580	323	9,090	330
Oct 1 2007		-1,629,230	-38,791	-29,701	-3,582
Nov 1 2007		0	0	-29,701	-3,256
Dec 1 2007		0	0	-29,701	-2,985