GW - 350

2010 AGWMR

03/30/2011

GW 350

March 30, 2011

Mr. Glenn Von Gonten
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED OCD
2011 MAR 31 A 11:37

Re: 2010 Annual Groundwater Monitoring Report
Shell Pipeline Company LP
Jal Basin Station (GW-350)
Jal, Lea County, New Mexico

Section 5, Township 26 South, Range 37 East
Section 32, Township 25 South, Range 37 East

H_2A Job No. 106.001

Dear Mr. Von Gonten:

H_2A Environmental, Ltd. (H_2A) is pleased to provide the enclosed 2010 Annual Groundwater Monitoring Report on behalf of Shell Pipeline Company LP, as required by the OCD letter dated December 18, 2001, for the above referenced site. The attached report presents the results of remediation and monitoring activities conducted at the Jal Basin Station during 2010.

We trust that the enclosed information meets your needs at this time; however, should you have any questions or require any additional information, please do not hesitate to contact Kenneth Springer at 281.324.5921, or via electronic mail at kenneth.springer@shell.com.

Sincerely,

H_2A ENVIRONMENTAL, LTD.

Robyn R. Sargent
Senior Environmental Scientist/Project Manager

enclosure

cc: L. Hill, NMOCD District 1, Hobbs
K. Springer, Shell Oil Products US
I. Olness, URS Corporation

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ENVIRONMENTAL, LTD.

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2010 ANNUAL GROUNDWATER MONITORING REPORT

JAL BASIN STATION
JAL, LEA COUNTY, NEW MEXICO

H2A Environmental, Ltd.

Prepared For:
Shell Oil Products US
Shell Pipeline Company LP

Prepared By:
H_2A Environmental, Ltd.

H_2A
Environmental Ltd.

MARCH 2011

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1.0 INTRODUCTION

H_2A Environmental, Ltd. (H_2A) is pleased to provide this 2010 Annual Groundwater Monitoring Report for the Jal Basin Station (the Site), located south of Jal, in Lea County, New Mexico. Gauging events were conducted at the Site in February, June, and October 2010 and semi-annual sampling events were conducted in February and October 2010. Results of the 2010 monitoring and investigation activities are summarized herein.

2.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities consisted of gauging the depth to water, and the depth to light non-aqueous phase liquid (LNAPL), if present, in all monitoring wells (shown in Figure 1), then purging observed LNAPL and static water from all wells. After the monitoring wells had been purged, groundwater samples were collected and submitted to a certified laboratory. Groundwater samples were collected on a semi-annual basis during 2010 and analyzed for determination of benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations and dissolved metals concentrations. Additionally, samples collected during the first half of 2010 were also analyzed for oxygenates and polycyclic aromatic hydrocarbons (PAHs).

During 2009, H_2A implemented the plan for decreased sampling frequency as outlined in the *2008 Annual Groundwater Monitoring Report*. Analytical results from the 2007, 2008, and 2009 sampling events indicated no dissolved-phase BTEX concentrations above the New Mexico Standards in any of the nine perimeter wells (MW-01, MW-05, MW-10, MW-11, MW-13, MW-15, MW-16, MW-17, and MW-21). Therefore, H_2A performed two semi-annual sampling events during 2010. The first half 2010 monitoring event involved sampling all delineation and monitoring wells to ensure that no plume migration had occurred. The second half 2010 event focused on historically impacted wells only to monitor attenuation progress.

Groundwater samples collected for BTEX and oxygenates analysis (Method SW846 8260B) were placed in sterile, 40-milliliter (mL) glass volatile organic analysis vials equipped with Teflon-lined caps and hydrochloric acid preservative, as provided by the analytical laboratory. The vials were filled to a positive meniscus, sealed, and visually checked for the absence of air bubbles.

Groundwater samples collected for dissolved metals analysis (Methods SW846 6020A and 7470A) were filtered using a 10-micron filter and then placed in 500-mL sterile plastic containers

equipped with Teflon-lined caps and nitric acid preservative, as provided by the analytical laboratory.

Groundwater samples collected for PAH analysis (Method EPA 8270C) were placed in unpreserved, sterile, 1-liter amber glass containers equipped with Teflon-lined caps.

Following collection, all sample containers were labeled, placed on ice in an insulated cooler, and chilled to an approximate temperature of 40°F (4°C). The cooler was sealed prior to transport to the analytical laboratory. Proper chain-of-custody documentation was maintained throughout the sampling process.

3.0 GROUNDWATER MEASUREMENTS

Groundwater measurements were obtained in February, June, and October 2010. Groundwater contour maps, illustrating groundwater elevations measured during each event, are presented as Figures 2 through 4 and groundwater measurements are summarized in Table 1. LNAPL thickness maps are presented as Figures 5 through 7. Figure 8 summarizes groundwater elevations versus product thicknesses through time. As noted on Figure 8, the average corrected groundwater elevation at the Site decreased throughout 2010. In addition, LNAPL thicknesses increased, with measured thicknesses ranging from 0.01 feet to 1.37 feet.

4.0 GROUNDWATER MONITORING RESULTS

Constituent concentrations for each semi-annual event are summarized in Figures 9 and 10, and in Table 2. Copies of the certified laboratory reports with appropriate chain-of-custody documentation are provided in Appendix A.

5.0 PRODUCT RECOVERY ACTIVITIES

Active remediation at the Site utilizing a high vacuum remediation (HVR) system was initiated in January 2001 and system capacity was expanded in July 2002 via the addition of a second liquid ring pump. The system continued to operate through the first half of 2008; however, as a result of diminished LNAPL recovery, it was turned off and an evaluation to determine the need for continued active remediation was initiated. When the system was shut down in June 2008, approximately 60,000 gallons of product had been recovered via active remediation efforts at the Site.

6.0 2011 PROJECT SCHEDULE

Based on 2010 monitoring activities and LNAPL recharge observations, H_2A plans to continue quarterly gauging and semi-annual groundwater sampling efforts at the Site as outlined in the *2008 Annual Groundwater Monitoring Report*. In addition, based on the results of the 2010 monitoring activities and LNAPL recharge observations in numerous onsite wells, H_2A plans restart the onsite HVR system in 2011, while continuing quarterly gauging and semi-annual groundwater sampling efforts. The system will be operated for approximately six months, at which time, the efficacy of system operations will be evaluated.

FIGURES

H2A
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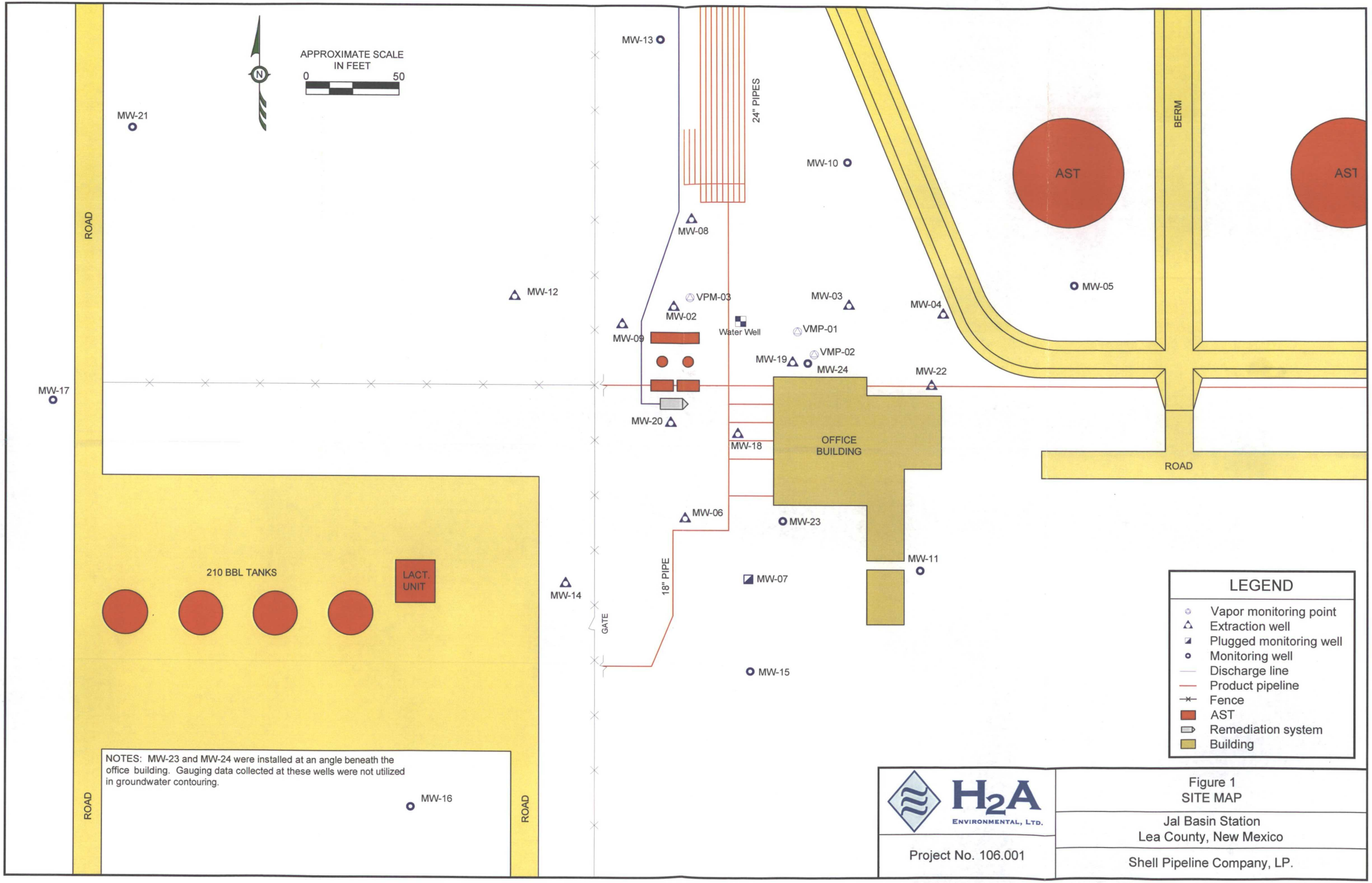

H2A ENVIRONMENTAL, LTD.

Project No. 106.001

Figure 1
SITE MAP

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.

APPROXIMATE SCALE
IN FEET
0 50

MW-21
2899.94

MW-13
2901.49

24" PIPES

MW-10
2901.49

AST

BERM

AST

ROAD

MW-08
2901.19

MW-12
2900.86

VPM-03

MW-02
2901.27

MW-03
2901.52

2901.54
MW-04

MW-05
2901.78

MW-09
2901.10

Water Well

VMP-01

MW-19
2901.33

VMP-02

MW-24
2896.61

2901.43
MW-22

MW-17
2899.49

MW-20
2900.78

MW-18
2901.31

OFFICE
BUILDING

ROAD

MW-06
2901.16

MW-23
2895.16

MW-11
2901.65

18" PIPE

MW-07

MW-14
2900.63

GATE

MW-15
2901.39

2901

210 BBL TANKS

LACT.
UNIT

NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.

MW-16
2900.08

2900

ROAD

ROAD

LEGEND

- Vapor monitoring point
- Extraction well
- Plugged monitoring well
- Monitoring well
- Discharge line
- Product pipeline
- Fence
- AST
- Remediation system
- Building

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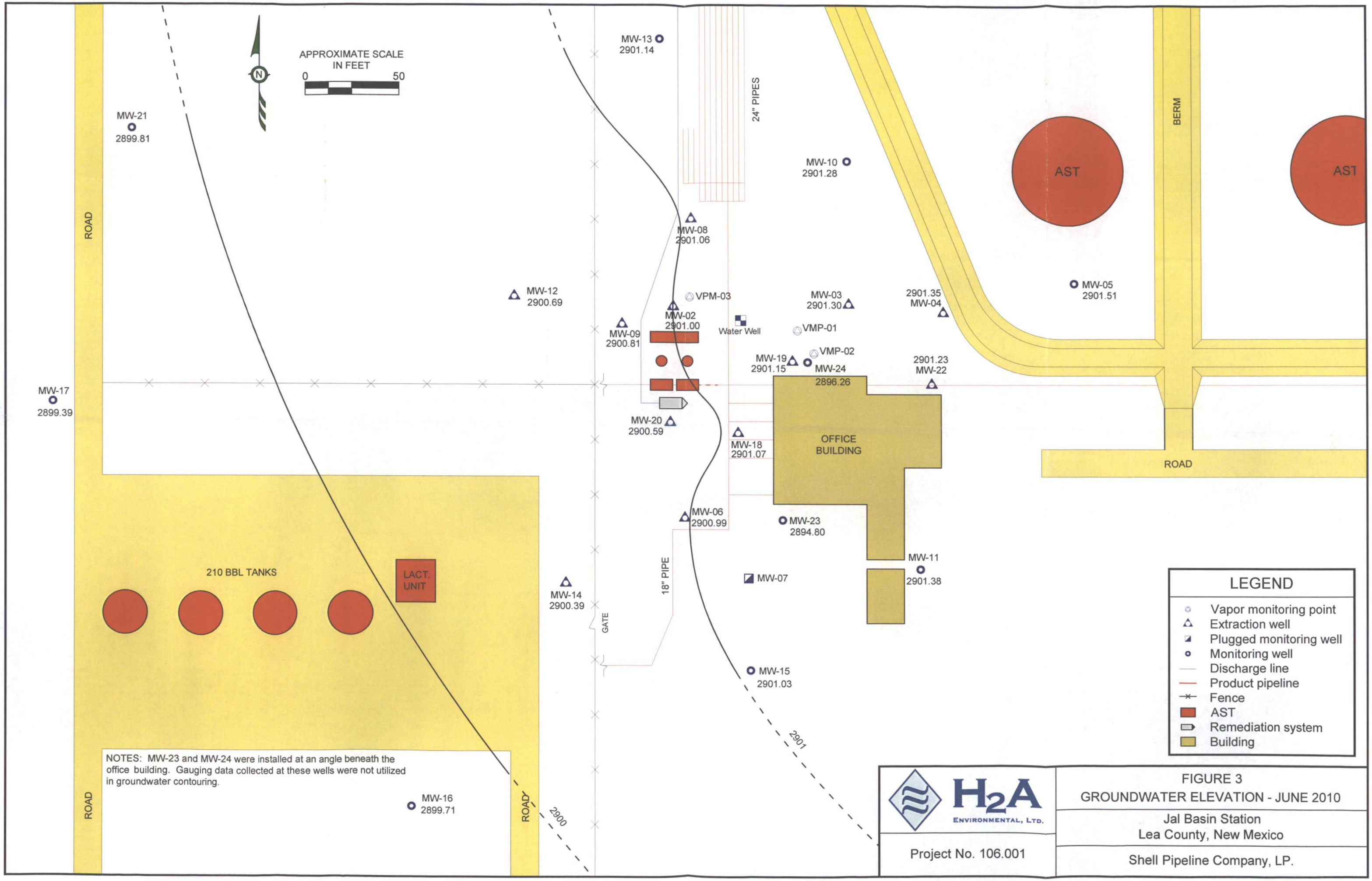
Project No. 106.001

FIGURE 2
GROUNDWATER ELEVATION - FEB. 2010

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.


APPROXIMATE SCALE
IN FEET
0
50
N
MW-13
2901.14
MW-21
2899.81
24" PIPES
MW-10
2901.28
AST
BERM
AST
ROAD
MW-08
2901.06
MW-12
2900.69
VPM-03
MW-02
2901.00
MW-09
2900.81
Water Well
MW-03
2901.30
VMP-01
2901.35
MW-04
MW-05
2901.51
MW-19
2901.15
VMP-02
MW-24
2896.26
2901.23
MW-22
MW-17
2899.39
MW-20
2900.59
MW-18
2901.07
OFFICE
BUILDING
ROAD
MW-06
2900.99
MW-23
2894.80
MW-11
2901.38
MW-07
18" PIPE
MW-14
2900.39
GATE
210 BBL TANKS
LACT.
UNIT
MW-15
2901.03
2901
2900
ROAD
ROAD
NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.
MW-16
2899.71
LEGEND
Vapor monitoring point
Extraction well
Plugged monitoring well
Monitoring well
Discharge line
Product pipeline
Fence
AST
Remediation system
Building
H2A
ENVIRONMENTAL, LTD.
Project No. 106.001
FIGURE 3
GROUNDWATER ELEVATION - JUNE 2010
Jal Basin Station
Lea County, New Mexico
Shell Pipeline Company, LP.

APPROXIMATE SCALE IN FEET
0 50

N

MW-13
2900.87

MW-21
2899.56

24" PIPES

BERM

MW-10
2901.09

AST

AST

ROAD

MW-08
2900.70

MW-12
2900.38

VPM-03

MW-02
2900.71

MW-03
2900.97

2901.01
MW-04

MW-05
2901.26

MW-09
2900.51

Water Well

VMP-01

VMP-02

MW-19
2900.84

MW-24
2895.90

2900.95
MW-22

MW-17
2899.15

MW-20
2900.07

MW-18
2900.82

OFFICE BUILDING

ROAD

MW-06
2900.62

MW-23
2894.48

MW-11
2901.12

210 BBL TANKS

LACT. UNIT

MW-14
2900.20

18" PIPE

MW-07

GATE

MW-15
2900.87

2901

2900

NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.

MW-16
2899.45

ROAD

ROAD

LEGEND

- Vapor monitoring point
- Extraction well
- Plugged monitoring well
- Monitoring well
- Discharge line
- Product pipeline
- Fence
- AST
- Remediation system
- Building

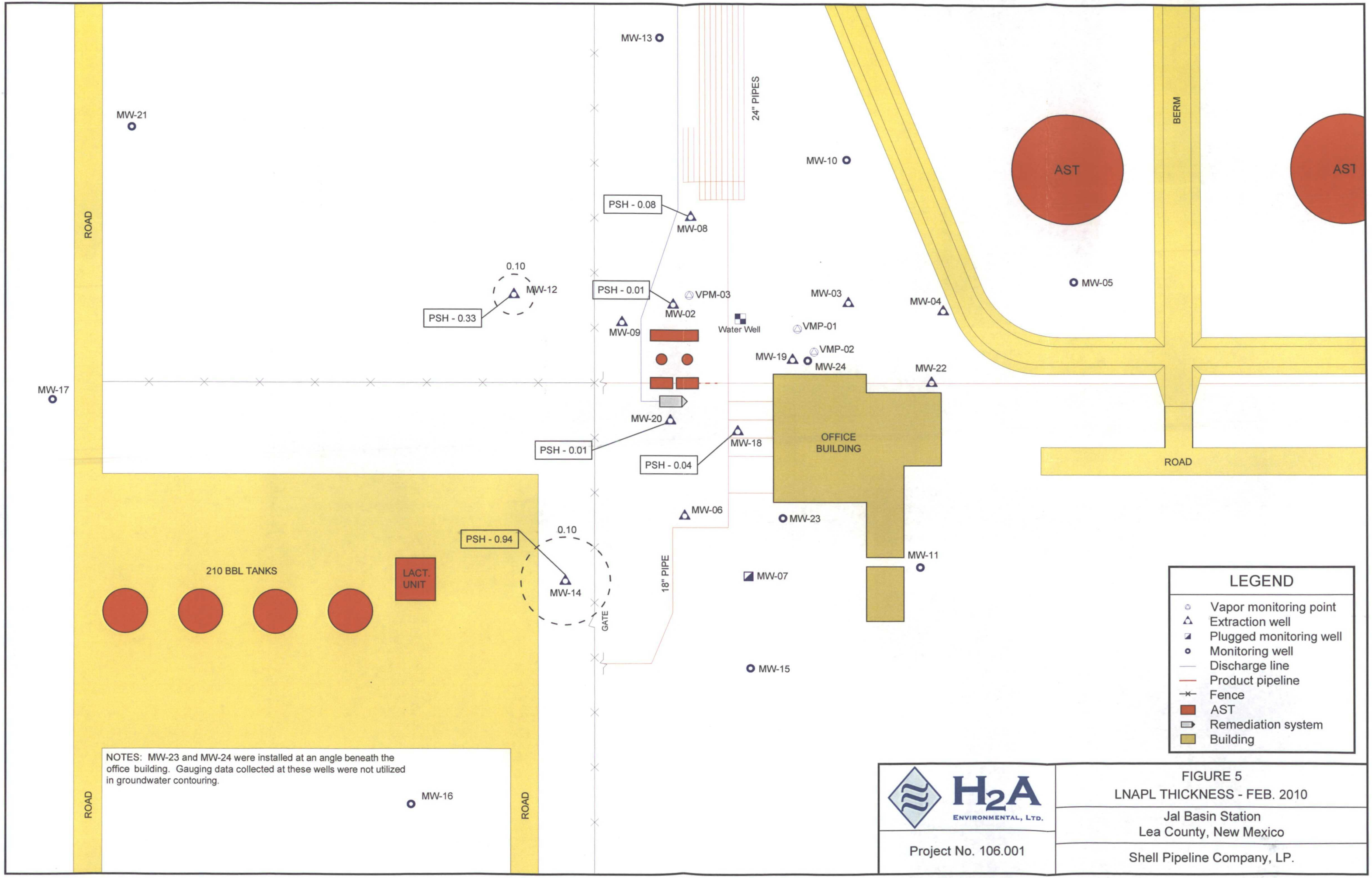
H2A ENVIRONMENTAL, LTD.

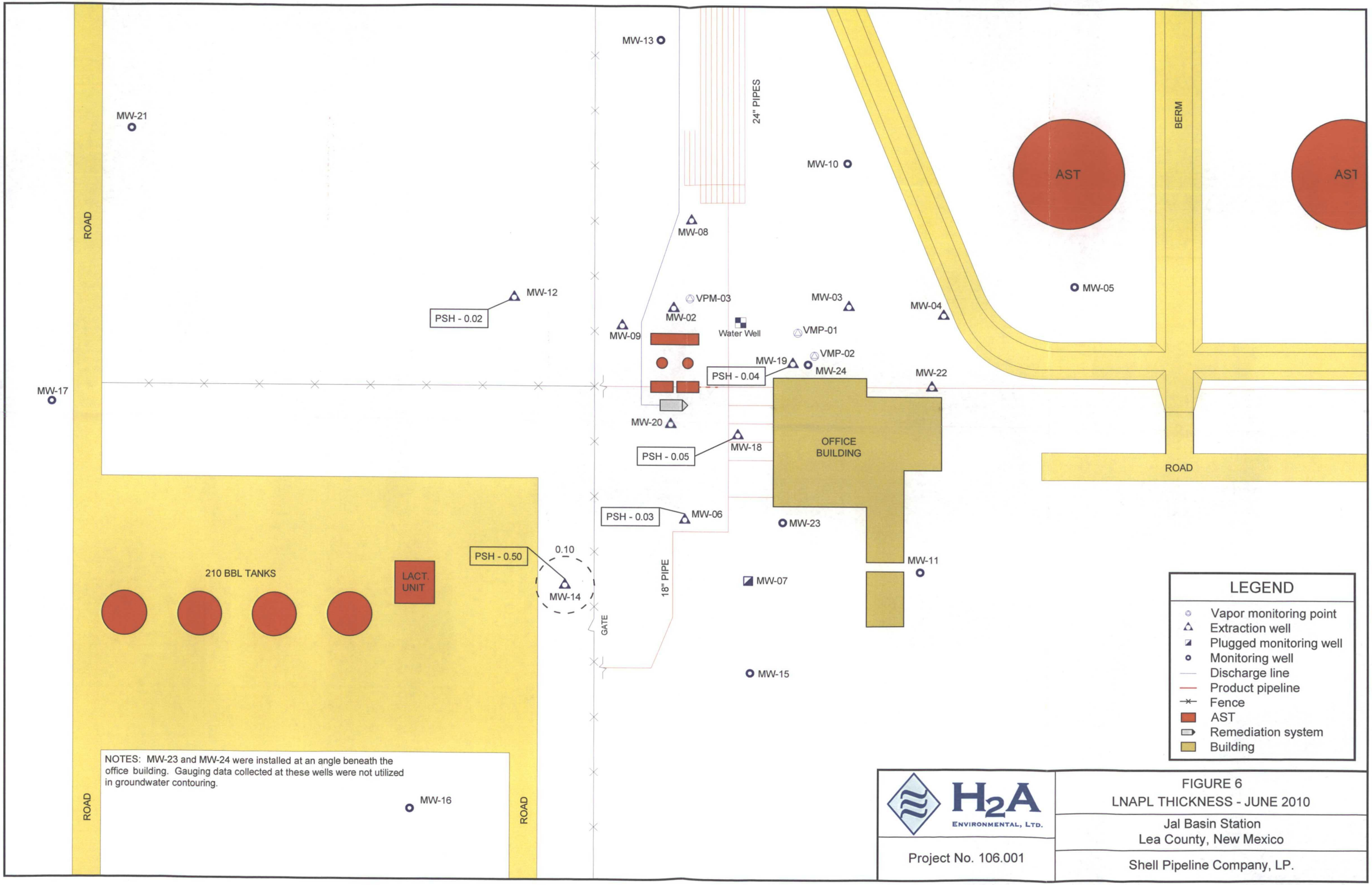
Project No. 106.001

FIGURE 4
GROUNDWATER ELEVATION - OCT. 2010

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.


MW-13
MW-21
24" PIPES
BERM
ROAD
MW-10
AST
AST
PSH - 0.08
MW-08
0.10
MW-12
PSH - 0.33
PSH - 0.01
VPM-03
MW-02
MW-09
Water Well
MW-03
MW-04
MW-05
VMP-01
MW-19
VMP-02
MW-24
MW-22
MW-17
MW-20
PSH - 0.01
MW-18
PSH - 0.04
OFFICE BUILDING
ROAD
MW-06
MW-23
MW-11
PSH - 0.94
0.10
210 BBL TANKS
LACT. UNIT
MW-14
18" PIPE
MW-07
GATE
MW-15
NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.
MW-16
ROAD
ROAD
LEGEND
Vapor monitoring point
Extraction well
Plugged monitoring well
Monitoring well
Discharge line
Product pipeline
Fence
AST
Remediation system
Building
H2A ENVIRONMENTAL, LTD.
Project No. 106.001
FIGURE 5
LNAPL THICKNESS - FEB. 2010
Jal Basin Station
Lea County, New Mexico
Shell Pipeline Company, LP.


MW-13
MW-21
24" PIPES
MW-10
AST
BERM
AST
ROAD
MW-08
MW-12
PSH - 0.02
VPM-03
MW-02
MW-03
MW-04
MW-05
MW-09
Water Well
VMP-01
MW-19
VMP-02
PSH - 0.04
MW-24
MW-22
MW-17
MW-20
MW-18
PSH - 0.05
OFFICE BUILDING
ROAD
PSH - 0.03
MW-06
MW-23
PSH - 0.50
0.10
MW-11
210 BBL TANKS
LACT. UNIT
MW-14
18" PIPE
MW-07
GATE
MW-15
NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.
MW-16
ROAD
ROAD
LEGEND
Vapor monitoring point
Extraction well
Plugged monitoring well
Monitoring well
Discharge line
Product pipeline
Fence
AST
Remediation system
Building
H2A ENVIRONMENTAL, LTD.
Project No. 106.001
FIGURE 6
LNAPL THICKNESS - JUNE 2010
Jal Basin Station
Lea County, New Mexico
Shell Pipeline Company, LP.

APPROXIMATE SCALE IN FEET
0 50

MW-21
MW-13
MW-10
MW-05
MW-17
MW-22
MW-23
MW-11
MW-07
MW-15
MW-16
MW-12
MW-08
MW-02
MW-09
MW-03
MW-04
MW-19
MW-24
MW-20
MW-18
MW-06
MW-14

VPM-03
VMP-01
VMP-02
Water Well

PSH - 0.16
PSH - 0.53
PSH - <0.01
PSH - 0.20
PSH - 0.01
PSH - 1.37
PSH - <0.01
PSH - 0.07
PSH - 0.07
PSH - 0.42

0.10
0.10
1.00
0.10
0.10

ROAD
ROAD
ROAD
ROAD

24" PIPES
18" PIPE
GATE
BERM

AST
AST

OFFICE BUILDING

210 BBL TANKS
LACT. UNIT

NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.

LEGEND

- Vapor monitoring point
- Extraction well
- Plugged monitoring well
- Monitoring well
- Discharge line
- Product pipeline
- Fence
- AST
- Remediation system
- Building

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Project No. 106.001

FIGURE 7
LNAPL THICKNESS - OCT. 2010

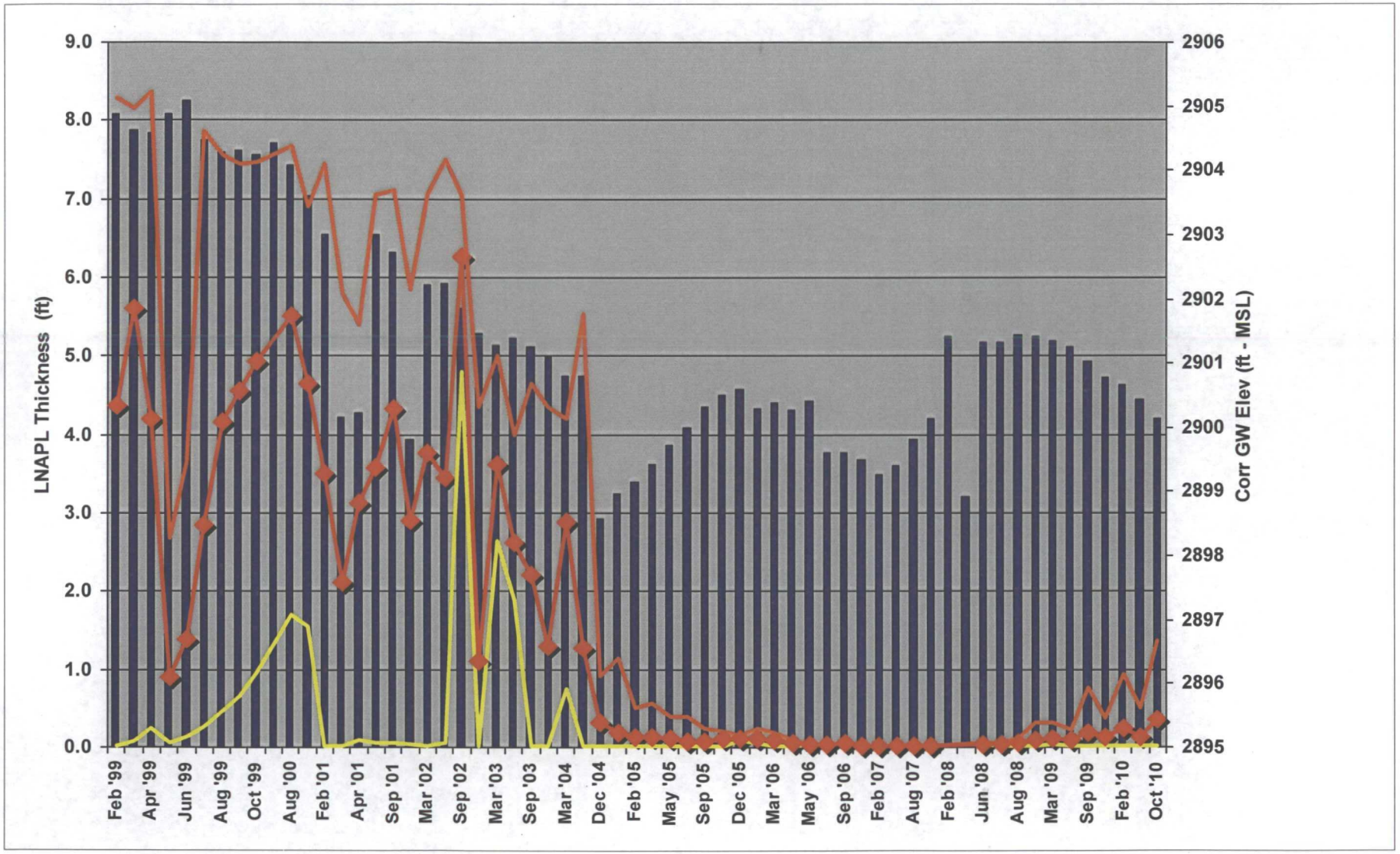
Jal Basin Station
Lea County, New Mexico

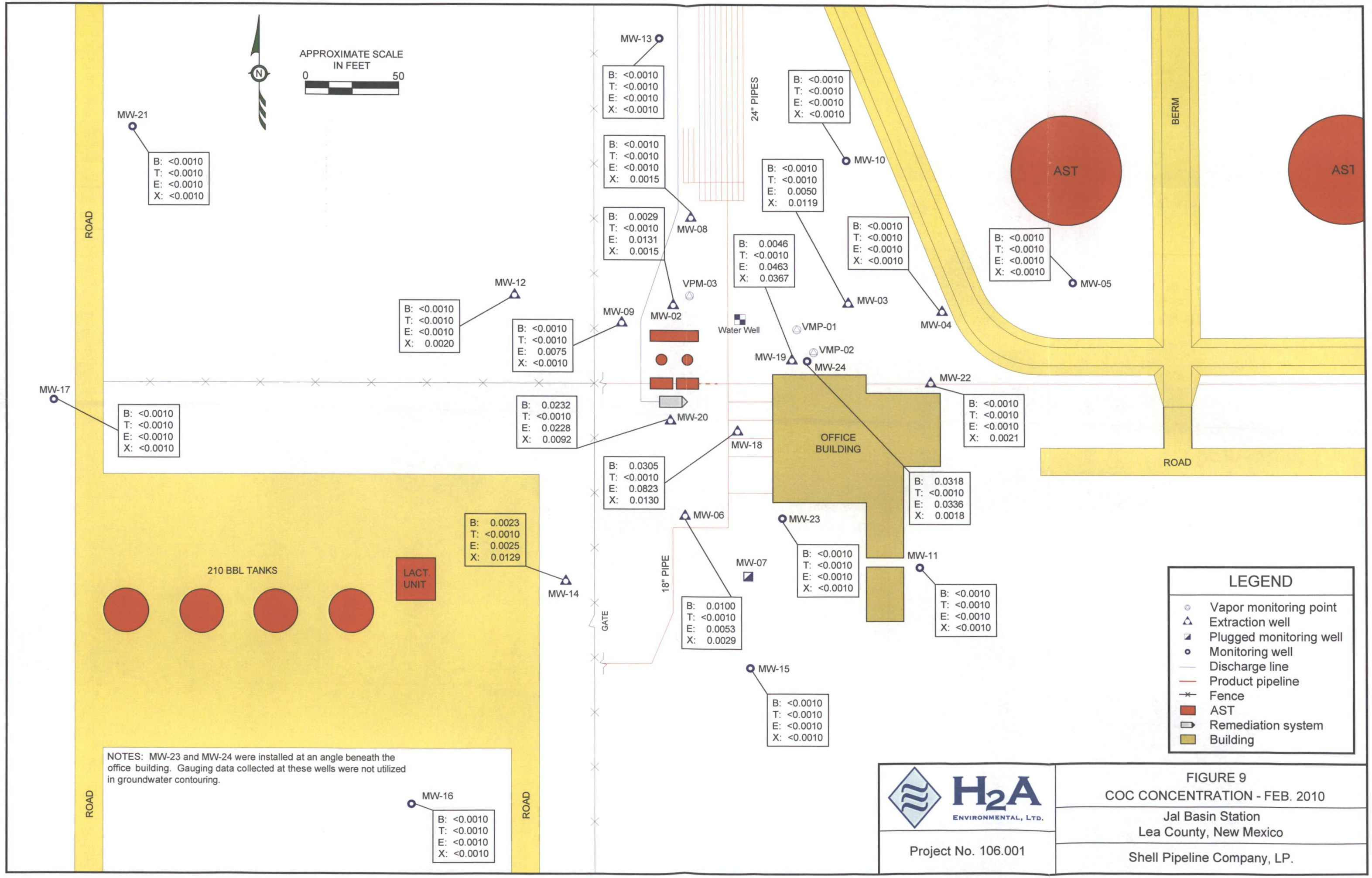
Shell Pipeline Company, LP.

106.001
Shell Oil Products US
Jal Station Diesel Remediation

Jal, NM

Figure 8
Corrected GW Elevation (Avg) vs. LNAPL Thickness





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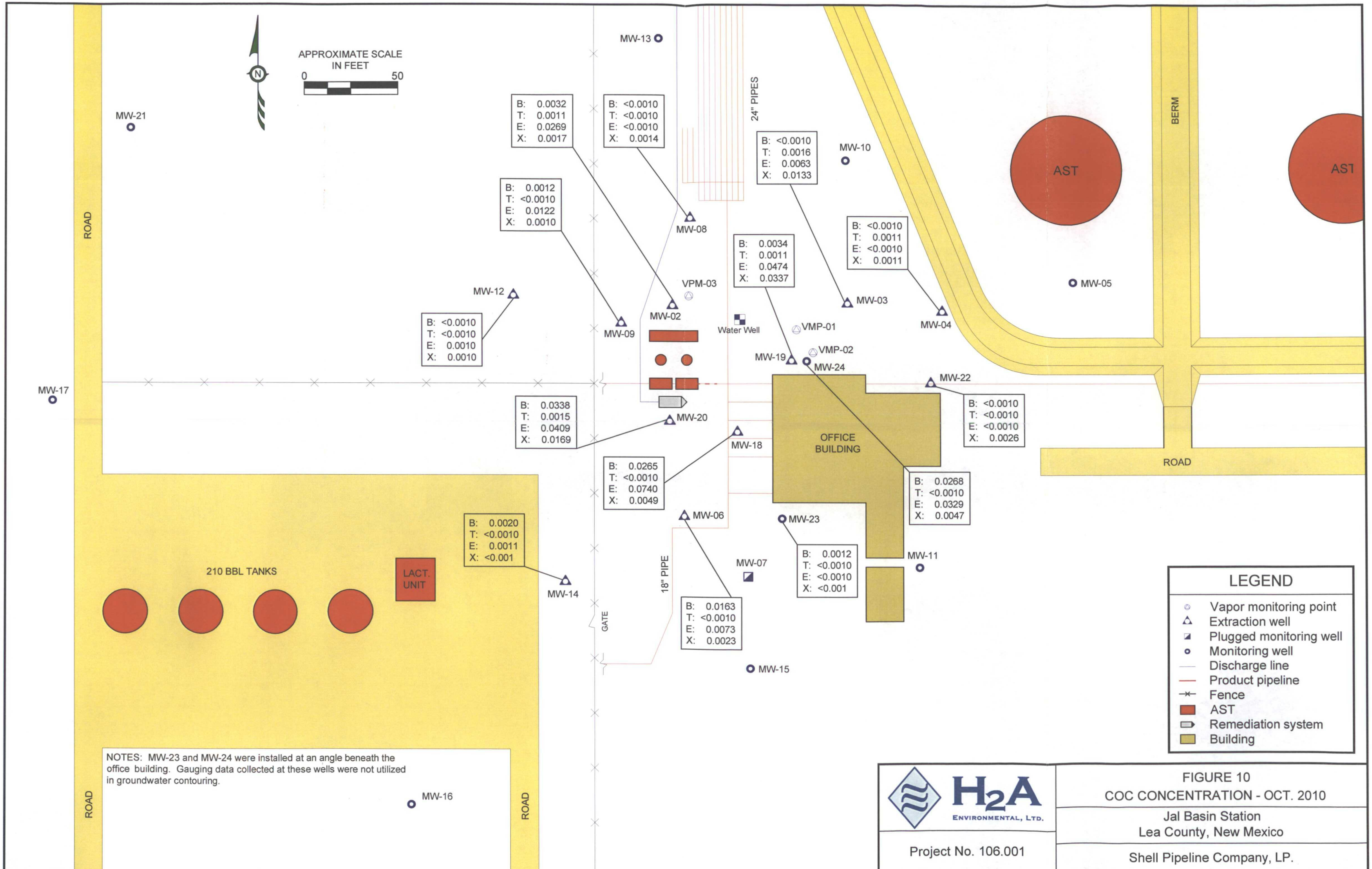
Project No. 106.001

FIGURE 9
COC CONCENTRATION - FEB. 2010

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.


APPROXIMATE SCALE IN FEET
0
50
N
MW-21
MW-17
MW-13
MW-10
MW-05
MW-08
MW-02
MW-09
MW-12
MW-20
MW-18
MW-19
MW-24
MW-03
MW-04
MW-22
MW-23
MW-11
MW-06
MW-07
MW-15
MW-14
MW-16
VPM-03
VMP-01
VMP-02
Water Well
24" PIPES
18" PIPE
GATE
ROAD
BERM
AST
OFFICE BUILDING
LACT. UNIT
210 BBL TANKS
B: 0.0032 T: 0.0011 E: 0.0269 X: 0.0017
B: <0.0010 T: <0.0010 E: <0.0010 X: 0.0014
B: 0.0012 T: <0.0010 E: 0.0122 X: 0.0010
B: <0.0010 T: <0.0010 E: 0.0010 X: 0.0010
B: 0.0338 T: 0.0015 E: 0.0409 X: 0.0169
B: 0.0265 T: <0.0010 E: 0.0740 X: 0.0049
B: 0.0034 T: 0.0011 E: 0.0474 X: 0.0337
B: <0.0010 T: 0.0016 E: 0.0063 X: 0.0133
B: <0.0010 T: 0.0011 E: <0.0010 X: 0.0011
B: <0.0010 T: <0.0010 E: <0.0010 X: 0.0026
B: 0.0268 T: <0.0010 E: 0.0329 X: 0.0047
B: 0.0012 T: <0.0010 E: <0.0010 X: <0.001
B: 0.0163 T: <0.0010 E: 0.0073 X: 0.0023
B: 0.0020 T: <0.0010 E: 0.0011 X: <0.001
LEGEND
Vapor monitoring point
Extraction well
Plugged monitoring well
Monitoring well
Discharge line
Product pipeline
Fence
AST
Remediation system
Building

NOTES: MW-23 and MW-24 were installed at an angle beneath the office building. Gauging data collected at these wells were not utilized in groundwater contouring.

H2A ENVIRONMENTAL, LTD.

Project No. 106.001

FIGURE 10
COC CONCENTRATION - OCT. 2010

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.

TABLES

H2A
ENVIRONMENTAL, LTD.

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-01

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/20/2010	2992.30	2994.62	TOC	85.00	94.50	92.52				2902.10
6/28/2010	2992.30	2994.62	TOC	85.00	94.50	92.80				2901.82
10/23/2010	2992.30	2994.62	TOC	85.00	94.50	93.07				2901.55

MW-02

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/22/2010	2987.02	2989.43	TOC	82.00	101.50	88.17	88.16	0.01	0.830	2901.27
6/28/2010	2987.02	2989.43	TOC	82.00	101.50	88.43	88.43		0.830	2901.00
10/23/2010	2987.02	2989.43	TOC	82.00	101.50	88.72	88.72		0.830	2900.71

MW-03

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2987.91	2990.81	TOC	85.00	100.00	89.29	89.29		0.830	2901.52
6/28/2010	2987.91	2990.81	TOC	85.00	100.00	89.51				2901.30
10/23/2010	2987.91	2990.81	TOC	85.00	100.00	89.85	89.84	0.01	0.830	2900.97

MW-04

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/22/2010	2988.22	2991.16	TOC	77.00	97.00	89.62				2901.54
6/28/2010	2988.22	2991.16	TOC	77.00	97.00	89.81				2901.35
10/23/2010	2988.22	2991.16	TOC	77.00	97.00	90.15				2901.01

MW-05

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/20/2010	2988.47	2991.38	TOC	80.00	95.00	89.60				2901.78
6/28/2010	2988.47	2991.38	TOC	80.00	95.00	89.87				2901.51
10/23/2010	2988.47	2991.38	TOC	80.00	95.00	90.12				2901.26

MW-06

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/24/2010	2987.40	2990.17	TOC	80.00	95.00	89.01				2901.16
6/28/2010	2987.40	2990.17	TOC	80.00	95.00	89.20	89.17	0.03	0.830	2900.99
10/23/2010	2987.40	2990.17	TOC	80.00	95.00	89.61	89.54	0.07	0.830	2900.62

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-08

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/22/2010	2987.97	2990.73	TOC	80.00	95.00	89.61	89.53	0.08	0.830	2901.19
6/28/2010	2987.97	2990.73	TOC	80.00	95.00	89.67	89.67		0.830	2901.06
10/23/2010	2987.97	2990.73	TOC	80.00	95.00	90.16	90.00	0.16	0.830	2900.70

MW-09

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/22/2010	2987.39	2990.31	TOC	81.00	96.00	89.21				2901.10
6/28/2010	2987.39	2990.31	TOC	81.00	96.00	89.50	89.50		0.830	2900.81
10/23/2010	2987.39	2990.31	TOC	81.00	96.00	89.80				2900.51

MW-10

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2987.96	2990.84	TOC	81.00	96.00	89.35	89.35		0.830	2901.49
6/28/2010	2987.96	2990.84	TOC	81.00	96.00	89.56	89.56		0.830	2901.28
10/23/2010	2987.96	2990.84	TOC	81.00	96.00	89.75				2901.09

MW-11

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/20/2010	2989.37	2992.30	TOC	83.00	98.00	90.65				2901.65
6/28/2010	2989.37	2992.30	TOC	83.00	98.00	90.92				2901.38
10/23/2010	2989.37	2992.30	TOC	83.00	98.00	91.18				2901.12

MW-12

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/24/2010	2987.79	2990.99	TOC	81.00	96.00	90.40	90.07	0.33	0.830	2900.86
6/28/2010	2987.79	2990.99	TOC	81.00	96.00	90.32	90.30	0.02	0.830	2900.69
10/23/2010	2987.79	2990.99	TOC	81.00	96.00	91.05	90.52	0.53	0.830	2900.38

MW-13

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/20/2010	2989.79	2992.97	TOC	85.65	100.65	91.48				2901.49
6/28/2010	2989.79	2992.97	TOC	85.65	100.65	91.83				2901.14
10/23/2010	2989.79	2992.97	TOC	85.65	100.65	92.10				2900.87

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-14

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/24/2010	2986.02	2989.12	TOC	86.20	101.20	89.27	88.33	0.94	0.830	2900.63
6/28/2010	2986.02	2989.12	TOC	86.20	101.20	89.15	88.65	0.50	0.830	2900.39
10/23/2010	2986.02	2989.12	TOC	86.20	101.20	89.27	88.85	0.42	0.830	2900.20

MW-15

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/20/2010	2986.45	2989.64	TOC	85.98	100.98	88.25				2901.39
6/28/2010	2986.45	2989.64	TOC	85.98	100.98	88.61				2901.03
10/23/2010	2986.45	2989.64	TOC	85.98	100.98	88.77				2900.87

MW-16

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/20/2010	2985.80	2988.71	TOC	78.50	98.50	88.63				2900.08
6/28/2010	2985.80	2988.71	TOC	78.50	98.50	89.00				2899.71
10/23/2010	2985.80	2988.71	TOC	78.50	98.50	89.26				2899.45

MW-17

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2985.09	2987.77	TOC	80.00	100.00	88.28				2899.49
6/28/2010	2985.09	2987.77	TOC	80.00	100.00	88.38				2899.39
10/23/2010	2985.09	2987.77	TOC	80.00	100.00	88.62				2899.15

MW-18

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2987.16	2989.68	TOC	75.00	95.00	88.40	88.36	0.04	0.830	2901.31
6/28/2010	2987.16	2989.68	TOC	75.00	95.00	88.65	88.60	0.05	0.830	2901.07
10/23/2010	2987.16	2989.68	TOC	75.00	95.00	88.92	88.85	0.07	0.830	2900.82

MW-19

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/24/2010	2988.86	2991.92	TOC	80.00	100.00	90.59	90.59		0.830	2901.33
6/28/2010	2988.86	2991.92	TOC	80.00	100.00	90.80	90.76	0.04	0.830	2901.15
10/23/2010	2988.86	2991.92	TOC	80.00	100.00	91.25	91.05	0.20	0.830	2900.84

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

MW-20

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/24/2010	2987.22	2989.64	TOC	75.00	95.00	88.87	88.86	0.01	0.830	2900.78
6/28/2010	2987.22	2989.64	TOC	75.00	95.00	89.05	89.05		0.830	2900.59
10/23/2010	2987.22	2989.64	TOC	75.00	95.00	89.57	89.57		0.830	2900.07

MW-21

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2986.63	2989.19	TOC	78.00	98.00	89.25				2899.94
6/28/2010	2986.63	2989.19	TOC	78.00	98.00	89.38				2899.81
10/23/2010	2986.63	2989.19	TOC	78.00	98.00	89.63				2899.56

MW-22

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/22/2010	2989.24	2991.56	TOC	80.00	100.00	90.13				2901.43
6/28/2010	2989.24	2991.56	TOC	80.00	100.00	90.33				2901.23
10/23/2010	2989.24	2991.56	TOC	80.00	100.00	90.61				2900.95

MW-23

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2986.90	2991.90	TOC	80.00	120.00	96.74				2895.16
6/28/2010	2986.90	2991.90	TOC	80.00	120.00	97.10				2894.80
10/23/2010	2986.90	2991.90	TOC	80.00	120.00	97.42				2894.48

MW-24

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
2/21/2010	2988.76	2993.76	TOC	77.00	117.00	97.15				2896.61
6/28/2010	2988.76	2993.76	TOC	77.00	117.00	97.50				2896.26
10/23/2010	2988.76	2993.76	TOC	77.00	117.00	99.00	97.63	1.37	0.830	2895.90

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-01

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
Acenaphthene	8270	2/20/2010	0				3.0E-02
Acenaphthylene	8270	2/20/2010	0				3.0E-02
Anthracene	8270	2/20/2010	0				3.0E-02
Arsenic	6020	2/20/2010	0	1.5E-02			1.0E-01
Barium	6020	2/20/2010	0	2.3E-02			1.0E+00
Benzene	8260	2/20/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/20/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/20/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/20/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/20/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/20/2010	0				3.0E-02
Cadmium	6020	2/20/2010	0				1.0E-02
Chromium	6020	2/20/2010	0				5.0E-02
Chrysene	8270	2/20/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/20/2010	0				3.0E-02
Diisopropyl Ether	8260	2/20/2010	0				
Ethyl tert butyl Ether	8260	2/20/2010	0				
Ethylbenzene	8260	2/20/2010	0				7.5E-01
Fluoranthene	8270	2/20/2010	0				3.0E-02
Fluorene	8270	2/20/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/20/2010	0				3.0E-02
Lead	6020	2/20/2010	0				5.0E-02
m,p-Xylenes	8260	2/20/2010	0				
Methyl tert butyl Ether	8260	2/20/2010	0				
Naphthalene	8270	2/20/2010	0				3.0E-02
o-Xylene	8260	2/20/2010	0				
Phenanthrene	8270	2/20/2010	0				3.0E-02
Pyrene	8270	2/20/2010	0				3.0E-02
Selenium	6020	2/20/2010	0	1.3E-02			5.0E-02
Silver	6020	2/20/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/20/2010	0				
tert-butyl alcohol	8260	2/20/2010	0				
Toluene	8260	2/20/2010	0				7.5E-01
Total Mercury	7470	2/20/2010	0				2.0E-03

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-02

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
Acenaphthene	8270	2/22/2010	0				3.0E-02
Acenaphthylene	8270	2/22/2010	0				3.0E-02
Anthracene	8270	2/22/2010	0				3.0E-02
Arsenic	6020	2/22/2010	0	1.6E-02			1.0E-01
Arsenic	6010	10/24/2010	0			6.6E-03	1.0E-01
Barium	6020	2/22/2010	0	2.6E+00			1.0E+00
Barium	6010	10/24/2010	0	1.2E+00			1.0E+00
Benzene	8260	2/22/2010	0	2.9E-03			1.0E-02
Benzene	8260	10/24/2010	0	3.2E-03			1.0E-02
Benzo(a)anthracene	8270	2/22/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/22/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/22/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/22/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/22/2010	0				3.0E-02
Cadmium	6020	2/22/2010	0				1.0E-02
Cadmium	6010	10/24/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/22/2010	0				5.0E-02
Chromium	6010	10/24/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/22/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/22/2010	0				3.0E-02
Diisopropyl Ether	8260	2/22/2010	0				
Ethyl tert butyl Ether	8260	2/22/2010	0				
Ethylbenzene	8260	2/22/2010	0	1.3E-02			7.5E-01
Ethylbenzene	8260	10/24/2010	0	2.7E-02			7.5E-01
Fluoranthene	8270	2/22/2010	0				3.0E-02
Fluorene	8270	2/22/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/22/2010	0				3.0E-02
Lead	6020	2/22/2010	0				5.0E-02
Lead	6010	10/24/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/22/2010	0				
m,p-Xylenes	8260	10/24/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/22/2010	0				
Naphthalene	8270	2/22/2010	0				3.0E-02
o-Xylene	8260	2/22/2010	0	1.5E-03			
o-Xylene	8260	10/24/2010	0	1.7E-03			
Phenanthrene	8270	2/22/2010	0				3.0E-02
Pyrene	8270	2/22/2010	0				3.0E-02
Selenium	6020	2/22/2010	0				5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-02

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Selenium	6010	10/24/2010	0			7.7E-03	5.0E-02
Silver	6020	2/22/2010	0				5.0E-02
Silver	6010	10/24/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/22/2010	0				
tert-butyl alcohol	8260	2/22/2010	0				
Toluene	8260	2/22/2010	0				7.5E-01
Toluene	8260	10/24/2010	0	1.1E-03			7.5E-01
Total Mercury	7470	2/22/2010	0				2.0E-03
Total Mercury	7470	10/24/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/24/2010	0	1.7E-03			6.2E-01

MW-03

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
Acenaphthene	8270	2/21/2010	0				3.0E-02
Acenaphthylene	8270	2/21/2010	0				3.0E-02
Anthracene	8270	2/21/2010	0				3.0E-02
Arsenic	6020	2/21/2010	0	6.9E-02			1.0E-01
Arsenic	6010	10/23/2010	0	4.9E-02			1.0E-01
Barium	6020	2/21/2010	0	1.2E+00			1.0E+00
Barium	6010	10/23/2010	0	5.6E-01			1.0E+00
Benzene	8260	2/21/2010	0				1.0E-02
Benzene	8260	10/23/2010	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	2/21/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/21/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/21/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/21/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/21/2010	0				3.0E-02
Cadmium	6020	2/21/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/21/2010	0				5.0E-02
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/21/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/21/2010	0				3.0E-02
Diisopropyl Ether	8260	2/21/2010	0				
Ethyl tert butyl Ether	8260	2/21/2010	0				
Ethylbenzene	8260	2/21/2010	0	5.0E-03			7.5E-01
Ethylbenzene	8260	10/23/2010	0	6.3E-03			7.5E-01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-03

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Fluoranthene	8270	2/21/2010	0				3.0E-02
Fluorene	8270	2/21/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/21/2010	0				3.0E-02
Lead	6020	2/21/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/21/2010	0	3.7E-03			
m,p-Xylenes	8260	10/23/2010	0	3.5E-03			
Methyl tert butyl Ether	8260	2/21/2010	0				
Naphthalene	8270	2/21/2010	0				3.0E-02
o-Xylene	8260	2/21/2010	0	8.2E-03			
o-Xylene	8260	10/23/2010	0	9.8E-03			
Phenanthrene	8270	2/21/2010	0				3.0E-02
Pyrene	8270	2/21/2010	0				3.0E-02
Selenium	6020	2/21/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	1.1E-02			5.0E-02
Silver	6020	2/21/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/21/2010	0				
tert-butyl alcohol	8260	2/21/2010	0				
Toluene	8260	2/21/2010	0				7.5E-01
Toluene	8260	10/23/2010	0	1.6E-03			7.5E-01
Total Mercury	7470	2/21/2010	0				2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0	1.3E-02			6.2E-01

MW-04

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
Acenaphthene	8270	2/22/2010	0				3.0E-02
Acenaphthylene	8270	2/22/2010	0				3.0E-02
Anthracene	8270	2/22/2010	0				3.0E-02
Arsenic	6020	2/22/2010	0	2.6E-02			1.0E-01
Arsenic	6010	10/23/2010	0	1.7E-02			1.0E-01
Barium	6020	2/22/2010	0	6.2E-01			1.0E+00
Barium	6010	10/23/2010	0	4.7E-01			1.0E+00
Benzene	8260	2/22/2010	0				1.0E-02
Benzene	8260	10/23/2010	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	2/22/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-04

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzo(a)pyrene	8270	2/22/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/22/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/22/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/22/2010	0				3.0E-02
Cadmium	6020	2/22/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/22/2010	0				5.0E-02
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/22/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/22/2010	0				3.0E-02
Diisopropyl Ether	8260	2/22/2010	0				
Ethyl tert butyl Ether	8260	2/22/2010	0				
Ethylbenzene	8260	2/22/2010	0				7.5E-01
Ethylbenzene	8260	10/23/2010	0			5.0E-04	7.5E-01
Fluoranthene	8270	2/22/2010	0				3.0E-02
Fluorene	8270	2/22/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/22/2010	0				3.0E-02
Lead	6020	2/22/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/22/2010	0				
m,p-Xylenes	8260	10/23/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/22/2010	0				
Naphthalene	8270	2/22/2010	0				3.0E-02
o-Xylene	8260	2/22/2010	0				
o-Xylene	8260	10/23/2010	0	1.1E-03			
Phenanthrene	8270	2/22/2010	0				3.0E-02
Pyrene	8270	2/22/2010	0				3.0E-02
Selenium	6020	2/22/2010	0				5.0E-02
Selenium	6010	10/23/2010	0			7.7E-03	5.0E-02
Silver	6020	2/22/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/22/2010	0				
tert-butyl alcohol	8260	2/22/2010	0				
Toluene	8260	2/22/2010	0				7.5E-01
Toluene	8260	10/23/2010	0	1.1E-03			7.5E-01
Total Mercury	7470	2/22/2010	0				2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0	1.1E-03			6.2E-01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-05

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
Acenaphthene	8270	2/20/2010	0				3.0E-02
Acenaphthylene	8270	2/20/2010	0				3.0E-02
Anthracene	8270	2/20/2010	0				3.0E-02
Arsenic	6020	2/20/2010	0	1.9E-02			1.0E-01
Barium	6020	2/20/2010	0	1.2E-01			1.0E+00
Benzene	8260	2/20/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/20/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/20/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/20/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/20/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/20/2010	0				3.0E-02
Cadmium	6020	2/20/2010	0				1.0E-02
Chromium	6020	2/20/2010	0				5.0E-02
Chrysene	8270	2/20/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/20/2010	0				3.0E-02
Diisopropyl Ether	8260	2/20/2010	0				
Ethyl tert butyl Ether	8260	2/20/2010	0				
Ethylbenzene	8260	2/20/2010	0				7.5E-01
Fluoranthene	8270	2/20/2010	0				3.0E-02
Fluorene	8270	2/20/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/20/2010	0				3.0E-02
Lead	6020	2/20/2010	0				5.0E-02
m,p-Xylenes	8260	2/20/2010	0				
Methyl tert butyl Ether	8260	2/20/2010	0				
Naphthalene	8270	2/20/2010	0				3.0E-02
o-Xylene	8260	2/20/2010	0				
Phenanthrene	8270	2/20/2010	0				3.0E-02
Pyrene	8270	2/20/2010	0				3.0E-02
Selenium	6020	2/20/2010	0				5.0E-02
Silver	6020	2/20/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/20/2010	0				
tert-butyl alcohol	8260	2/20/2010	0				
Toluene	8260	2/20/2010	0				7.5E-01
Total Mercury	7470	2/20/2010	0				2.0E-03

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-06

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
Acenaphthene	8270	2/24/2010	0				3.0E-02
Acenaphthylene	8270	2/24/2010	0				3.0E-02
Anthracene	8270	2/24/2010	0				3.0E-02
Arsenic	6020	2/24/2010	0	5.7E-02			1.0E-01
Arsenic	6010	10/24/2010	0	1.8E-02			1.0E-01
Barium	6020	2/24/2010	0	6.4E-01			1.0E+00
Barium	6010	10/24/2010	0	2.1E-01			1.0E+00
Benzene	8260	2/24/2010	0	1.0E-02			1.0E-02
Benzene	8260	10/24/2010	0	1.6E-02			1.0E-02
Benzo(a)anthracene	8270	2/24/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/24/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/24/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/24/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/24/2010	0				3.0E-02
Cadmium	6020	2/24/2010	0				1.0E-02
Cadmium	6010	10/24/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/24/2010	0				5.0E-02
Chromium	6010	10/24/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/24/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/24/2010	0				3.0E-02
Diisopropyl Ether	8260	2/24/2010	0				
Ethyl tert butyl Ether	8260	2/24/2010	0				
Ethylbenzene	8260	2/24/2010	0	5.3E-03			7.5E-01
Ethylbenzene	8260	10/24/2010	0	7.3E-03			7.5E-01
Fluoranthene	8270	2/24/2010	0				3.0E-02
Fluorene	8270	2/24/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/24/2010	0				3.0E-02
Lead	6020	2/24/2010	0				5.0E-02
Lead	6010	10/24/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/24/2010	0				
m,p-Xylenes	8260	10/24/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/24/2010	0				
Naphthalene	8270	2/24/2010	0				3.0E-02
o-Xylene	8260	2/24/2010	0	2.9E-03			
o-Xylene	8260	10/24/2010	0	2.3E-03			
Phenanthrene	8270	2/24/2010	0				3.0E-02
Pyrene	8270	2/24/2010	0				3.0E-02
Selenium	6020	2/24/2010	0				5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-06

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Selenium	6010	10/24/2010	0	1.2E-02			5.0E-02
Silver	6020	2/24/2010	0				5.0E-02
Silver	6010	10/24/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/24/2010	0				
tert-butyl alcohol	8260	2/24/2010	0				
Toluene	8260	2/24/2010	0				7.5E-01
Toluene	8260	10/24/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/24/2010	0				2.0E-03
Total Mercury	7470	10/24/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/24/2010	0	2.3E-03			6.2E-01

MW-08

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
Acenaphthene	8270	2/22/2010	0				3.0E-02
Acenaphthylene	8270	2/22/2010	0				3.0E-02
Anthracene	8270	2/22/2010	0				3.0E-02
Arsenic	6020	2/22/2010	0	2.1E-02			1.0E-01
Arsenic	6010	10/24/2010	0	1.1E-02			1.0E-01
Barium	6020	2/22/2010	0	1.4E-01			1.0E+00
Barium	6010	10/24/2010	0	7.3E-02			1.0E+00
Benzene	8260	2/22/2010	0				1.0E-02
Benzene	8260	10/24/2010	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	2/22/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/22/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/22/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/22/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/22/2010	0				3.0E-02
Cadmium	6020	2/22/2010	0				1.0E-02
Cadmium	6010	10/24/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/22/2010	0				5.0E-02
Chromium	6010	10/24/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/22/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/22/2010	0				3.0E-02
Diisopropyl Ether	8260	2/22/2010	0				
Ethyl tert butyl Ether	8260	2/22/2010	0				
Ethylbenzene	8260	2/22/2010	0				7.5E-01
Ethylbenzene	8260	10/24/2010	0			5.0E-04	7.5E-01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-08

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Fluoranthene	8270	2/22/2010	0				3.0E-02
Fluorene	8270	2/22/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/22/2010	0				3.0E-02
Lead	6020	2/22/2010	0				5.0E-02
Lead	6010	10/24/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/22/2010	0				
m,p-Xylenes	8260	10/24/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/22/2010	0				
Naphthalene	8270	2/22/2010	0				3.0E-02
o-Xylene	8260	2/22/2010	0	1.5E-03			
o-Xylene	8260	10/24/2010	0	1.4E-03			
Phenanthrene	8270	2/22/2010	0				3.0E-02
Pyrene	8270	2/22/2010	0				3.0E-02
Selenium	6020	2/22/2010	0				5.0E-02
Selenium	6010	10/24/2010	0	1.5E-02			5.0E-02
Silver	6020	2/22/2010	0				5.0E-02
Silver	6010	10/24/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/22/2010	0				
tert-butyl alcohol	8260	2/22/2010	0				
Toluene	8260	2/22/2010	0				7.5E-01
Toluene	8260	10/24/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/22/2010	0				2.0E-03
Total Mercury	7470	10/24/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/24/2010	0	1.4E-03			6.2E-01

MW-09

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
Acenaphthene	8270	2/22/2010	0				3.0E-02
Acenaphthylene	8270	2/22/2010	0				3.0E-02
Anthracene	8270	2/22/2010	0				3.0E-02
Arsenic	6020	2/22/2010	0	1.7E-02			1.0E-01
Arsenic	6010	10/24/2010	0	1.7E-02			1.0E-01
Barium	6020	2/22/2010	0	1.9E-01			1.0E+00
Barium	6010	10/24/2010	0	1.6E-01			1.0E+00
Benzene	8260	2/22/2010	0				1.0E-02
Benzene	8260	10/24/2010	0	1.2E-03			1.0E-02
Benzo(a)anthracene	8270	2/22/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-09

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzo(a)pyrene	8270	2/22/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/22/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/22/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/22/2010	0				3.0E-02
Cadmium	6020	2/22/2010	0				1.0E-02
Cadmium	6010	10/24/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/22/2010	0				5.0E-02
Chromium	6010	10/24/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/22/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/22/2010	0				3.0E-02
Diisopropyl Ether	8260	2/22/2010	0				
Ethyl tert butyl Ether	8260	2/22/2010	0				
Ethylbenzene	8260	2/22/2010	0	7.5E-03			7.5E-01
Ethylbenzene	8260	10/24/2010	0	1.2E-02			7.5E-01
Fluoranthene	8270	2/22/2010	0				3.0E-02
Fluorene	8270	2/22/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/22/2010	0				3.0E-02
Lead	6020	2/22/2010	0				5.0E-02
Lead	6010	10/24/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/22/2010	0				
m,p-Xylenes	8260	10/24/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/22/2010	0				
Naphthalene	8270	2/22/2010	0				3.0E-02
o-Xylene	8260	2/22/2010	0				
o-Xylene	8260	10/24/2010	0	1.0E-03			
Phenanthrene	8270	2/22/2010	0				3.0E-02
Pyrene	8270	2/22/2010	0				3.0E-02
Selenium	6020	2/22/2010	0				5.0E-02
Selenium	6010	10/24/2010	0	1.2E-02			5.0E-02
Silver	6020	2/22/2010	0				5.0E-02
Silver	6010	10/24/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/22/2010	0				
tert-butyl alcohol	8260	2/22/2010	0	1.2E-02			
Toluene	8260	2/22/2010	0				7.5E-01
Toluene	8260	10/24/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/22/2010	0				2.0E-03
Total Mercury	7470	10/24/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/24/2010	0	1.0E-03			6.2E-01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-10

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
Acenaphthene	8270	2/21/2010	0				3.0E-02
Acenaphthylene	8270	2/21/2010	0				3.0E-02
Anthracene	8270	2/21/2010	0				3.0E-02
Arsenic	6020	2/21/2010	0	2.0E-02			1.0E-01
Barium	6020	2/21/2010	0	5.1E-01			1.0E+00
Benzene	8260	2/21/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/21/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/21/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/21/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/21/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/21/2010	0				3.0E-02
Cadmium	6020	2/21/2010	0				1.0E-02
Chromium	6020	2/21/2010	0				5.0E-02
Chrysene	8270	2/21/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/21/2010	0				3.0E-02
Diisopropyl Ether	8260	2/21/2010	0				
Ethyl tert butyl Ether	8260	2/21/2010	0				
Ethylbenzene	8260	2/21/2010	0				7.5E-01
Fluoranthene	8270	2/21/2010	0				3.0E-02
Fluorene	8270	2/21/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/21/2010	0				3.0E-02
Lead	6020	2/21/2010	0				5.0E-02
m,p-Xylenes	8260	2/21/2010	0				
Methyl tert butyl Ether	8260	2/21/2010	0				
Naphthalene	8270	2/21/2010	0				3.0E-02
o-Xylene	8260	2/21/2010	0				
Phenanthrene	8270	2/21/2010	0				3.0E-02
Pyrene	8270	2/21/2010	0				3.0E-02
Selenium	6020	2/21/2010	0				5.0E-02
Silver	6020	2/21/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/21/2010	0				
tert-butyl alcohol	8260	2/21/2010	0				
Toluene	8260	2/21/2010	0				7.5E-01
Total Mercury	7470	2/21/2010	0				2.0E-03

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-11

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
Acenaphthene	8270	2/20/2010	0				3.0E-02
Acenaphthylene	8270	2/20/2010	0				3.0E-02
Anthracene	8270	2/20/2010	0				3.0E-02
Arsenic	6020	2/20/2010	0	2.2E-02			1.0E-01
Barium	6020	2/20/2010	0	2.7E-02			1.0E+00
Benzene	8260	2/20/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/20/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/20/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/20/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/20/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/20/2010	0				3.0E-02
Cadmium	6020	2/20/2010	0				1.0E-02
Chromium	6020	2/20/2010	0				5.0E-02
Chrysene	8270	2/20/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/20/2010	0				3.0E-02
Diisopropyl Ether	8260	2/20/2010	0				
Ethyl tert butyl Ether	8260	2/20/2010	0				
Ethylbenzene	8260	2/20/2010	0				7.5E-01
Fluoranthene	8270	2/20/2010	0				3.0E-02
Fluorene	8270	2/20/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/20/2010	0				3.0E-02
Lead	6020	2/20/2010	0				5.0E-02
m,p-Xylenes	8260	2/20/2010	0				
Methyl tert butyl Ether	8260	2/20/2010	0				
Naphthalene	8270	2/20/2010	0				3.0E-02
o-Xylene	8260	2/20/2010	0				
Phenanthrene	8270	2/20/2010	0				3.0E-02
Pyrene	8270	2/20/2010	0				3.0E-02
Selenium	6020	2/20/2010	0	8.0E-03			5.0E-02
Silver	6020	2/20/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/20/2010	0				
tert-butyl alcohol	8260	2/20/2010	0				
Toluene	8260	2/20/2010	0				7.5E-01
Total Mercury	7470	2/20/2010	0				2.0E-03

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-12

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
Acenaphthene	8270	2/24/2010	0				3.0E-02
Acenaphthylene	8270	2/24/2010	0				3.0E-02
Anthracene	8270	2/24/2010	0				3.0E-02
Arsenic	6020	2/24/2010	0	1.4E-02			1.0E-01
Arsenic	6010	10/23/2010	0	1.3E-02			1.0E-01
Arsenic	6010	11/2/2010	0	2.3E-02			1.0E-01
Barium	6020	2/24/2010	0	2.3E-01			1.0E+00
Barium	6010	10/23/2010	0	1.6E-01			1.0E+00
Barium	6010	11/2/2010	0	1.4E-01			1.0E+00
Benzene	8260	2/24/2010	0				1.0E-02
Benzene	8260	11/2/2010	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	2/24/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/24/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/24/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/24/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/24/2010	0				3.0E-02
Cadmium	6020	2/24/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Cadmium	6010	11/2/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/24/2010	0				5.0E-02
Chromium	6010	11/2/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/24/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/24/2010	0				3.0E-02
Diisopropyl Ether	8260	2/24/2010	0				
Ethyl tert butyl Ether	8260	2/24/2010	0				
Ethylbenzene	8260	2/24/2010	0				7.5E-01
Ethylbenzene	8260	11/2/2010	0	1.0E-03			7.5E-01
Fluoranthene	8270	2/24/2010	0				3.0E-02
Fluorene	8270	2/24/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/24/2010	0				3.0E-02
Lead	6020	2/24/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
Lead	6010	11/2/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/24/2010	0				
m,p-Xylenes	8260	11/2/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/24/2010	0				
Naphthalene	8270	2/24/2010	0				3.0E-02
o-Xylene	8260	2/24/2010	0	2.0E-03			

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-12

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
o-Xylene	8260	11/2/2010	0	1.0E-03			
Phenanthrene	8270	2/24/2010	0				3.0E-02
Pyrene	8270	2/24/2010	0				3.0E-02
Selenium	6020	2/24/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	1.3E-02			5.0E-02
Selenium	6010	11/2/2010	0	1.0E-02			5.0E-02
Silver	6020	2/24/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
Silver	6010	11/2/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/24/2010	0				
tert-butyl alcohol	8260	2/24/2010	0				
Toluene	8260	2/24/2010	0				7.5E-01
Toluene	8260	11/2/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/24/2010	0				2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Mercury	7470	11/2/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	11/2/2010	0	1.0E-03			6.2E-01

MW-13

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
Acenaphthene	8270	2/20/2010	0				3.0E-02
Acenaphthylene	8270	2/20/2010	0				3.0E-02
Anthracene	8270	2/20/2010	0				3.0E-02
Arsenic	6020	2/20/2010	0	2.5E-02			1.0E-01
Barium	6020	2/20/2010	0	1.6E-01			1.0E+00
Benzene	8260	2/20/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/20/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/20/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/20/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/20/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/20/2010	0				3.0E-02
Cadmium	6020	2/20/2010	0				1.0E-02
Chromium	6020	2/20/2010	0				5.0E-02
Chrysene	8270	2/20/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/20/2010	0				3.0E-02
Diisopropyl Ether	8260	2/20/2010	0				
Ethyl tert butyl Ether	8260	2/20/2010	0				

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-13

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Ethylbenzene	8260	2/20/2010	0				7.5E-01
Fluoranthene	8270	2/20/2010	0				3.0E-02
Fluorene	8270	2/20/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/20/2010	0				3.0E-02
Lead	6020	2/20/2010	0				5.0E-02
m,p-Xylenes	8260	2/20/2010	0				
Methyl tert butyl Ether	8260	2/20/2010	0				
Naphthalene	8270	2/20/2010	0				3.0E-02
o-Xylene	8260	2/20/2010	0				
Phenanthrene	8270	2/20/2010	0				3.0E-02
Pyrene	8270	2/20/2010	0				3.0E-02
Selenium	6020	2/20/2010	0	6.0E-03			5.0E-02
Silver	6020	2/20/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/20/2010	0				
tert-butyl alcohol	8260	2/20/2010	0				
Toluene	8260	2/20/2010	0				7.5E-01
Total Mercury	7470	2/20/2010	0	1.0E-04			2.0E-03

MW-14

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/24/2010	0	1.6E+00			3.0E-02
2-Methylnaphthalene	8270	2/24/2010	0	1.3E+00			3.0E-02
Acenaphthene	8270	2/24/2010	0				3.0E-02
Acenaphthylene	8270	2/24/2010	0				3.0E-02
Anthracene	8270	2/24/2010	0				3.0E-02
Arsenic	6020	2/24/2010	0	1.7E-02			1.0E-01
Arsenic	6010	10/23/2010	0	1.1E-02			1.0E-01
Barium	6020	2/24/2010	0	2.0E-01			1.0E+00
Barium	6010	10/23/2010	0	5.3E-02			1.0E+00
Benzene	8260	2/24/2010	0	2.3E-03			1.0E-02
Benzene	8260	10/23/2010	0	2.0E-03			1.0E-02
Benzo(a)anthracene	8270	2/24/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/24/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/24/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/24/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/24/2010	0				3.0E-02
Cadmium	6020	2/24/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/24/2010	0				5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-14

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/24/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/24/2010	0				3.0E-02
Diisopropyl Ether	8260	2/24/2010	0				
Ethyl tert butyl Ether	8260	2/24/2010	0				
Ethylbenzene	8260	2/24/2010	0	2.5E-03			7.5E-01
Ethylbenzene	8260	10/23/2010	0	1.1E-03			7.5E-01
Fluoranthene	8270	2/24/2010	0				3.0E-02
Fluorene	8270	2/24/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/24/2010	0				3.0E-02
Lead	6020	2/24/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/24/2010	0	5.4E-03			
m,p-Xylenes	8260	10/23/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/24/2010	0				
Naphthalene	8270	2/24/2010	0				3.0E-02
o-Xylene	8260	2/24/2010	0	7.5E-03			
o-Xylene	8260	10/23/2010	0			5.0E-04	
Phenanthrene	8270	2/24/2010	0	1.3E+00			3.0E-02
Pyrene	8270	2/24/2010	0				3.0E-02
Selenium	6020	2/24/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	1.9E-02			5.0E-02
Silver	6020	2/24/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/24/2010	0				
tert-butyl alcohol	8260	2/24/2010	0				
Toluene	8260	2/24/2010	0				7.5E-01
Toluene	8260	10/23/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/24/2010	0				2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0				6.2E-01

MW-15

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
Acenaphthene	8270	2/20/2010	0				3.0E-02
Acenaphthylene	8270	2/20/2010	0				3.0E-02
Anthracene	8270	2/20/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-15

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Arsenic	6020	2/20/2010	0	2.3E-02			1.0E-01
Barium	6020	2/20/2010	0	2.5E-02			1.0E+00
Benzene	8260	2/20/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/20/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/20/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/20/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/20/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/20/2010	0				3.0E-02
Cadmium	6020	2/20/2010	0				1.0E-02
Chromium	6020	2/20/2010	0				5.0E-02
Chrysene	8270	2/20/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/20/2010	0				3.0E-02
Diisopropyl Ether	8260	2/20/2010	0				
Ethyl tert butyl Ether	8260	2/20/2010	0				
Ethylbenzene	8260	2/20/2010	0				7.5E-01
Fluoranthene	8270	2/20/2010	0				3.0E-02
Fluorene	8270	2/20/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/20/2010	0				3.0E-02
Lead	6020	2/20/2010	0				5.0E-02
m,p-Xylenes	8260	2/20/2010	0				
Methyl tert butyl Ether	8260	2/20/2010	0				
Naphthalene	8270	2/20/2010	0				3.0E-02
o-Xylene	8260	2/20/2010	0				
Phenanthrene	8270	2/20/2010	0				3.0E-02
Pyrene	8270	2/20/2010	0				3.0E-02
Selenium	6020	2/20/2010	0	2.3E-02			5.0E-02
Silver	6020	2/20/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/20/2010	0				
tert-butyl alcohol	8260	2/20/2010	0				
Toluene	8260	2/20/2010	0				7.5E-01
Total Mercury	7470	2/20/2010	0				2.0E-03

MW-16

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/20/2010	0				3.0E-02
Acenaphthene	8270	2/20/2010	0				3.0E-02
Acenaphthylene	8270	2/20/2010	0				3.0E-02
Anthracene	8270	2/20/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-16

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Arsenic	6020	2/20/2010	0	1.8E-02			1.0E-01
Barium	6020	2/20/2010	0	3.3E-02			1.0E+00
Benzene	8260	2/20/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/20/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/20/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/20/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/20/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/20/2010	0				3.0E-02
Cadmium	6020	2/20/2010	0				1.0E-02
Chromium	6020	2/20/2010	0				5.0E-02
Chrysene	8270	2/20/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/20/2010	0				3.0E-02
Diisopropyl Ether	8260	2/20/2010	0				
Ethyl tert butyl Ether	8260	2/20/2010	0				
Ethylbenzene	8260	2/20/2010	0				7.5E-01
Fluoranthene	8270	2/20/2010	0				3.0E-02
Fluorene	8270	2/20/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/20/2010	0				3.0E-02
Lead	6020	2/20/2010	0				5.0E-02
m,p-Xylenes	8260	2/20/2010	0				
Methyl tert butyl Ether	8260	2/20/2010	0				
Naphthalene	8270	2/20/2010	0				3.0E-02
o-Xylene	8260	2/20/2010	0				
Phenanthrene	8270	2/20/2010	0				3.0E-02
Pyrene	8270	2/20/2010	0				3.0E-02
Selenium	6020	2/20/2010	0	5.5E-02			5.0E-02
Silver	6020	2/20/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/20/2010	0				
tert-butyl alcohol	8260	2/20/2010	0				
Toluene	8260	2/20/2010	0				7.5E-01
Total Mercury	7470	2/20/2010	0				2.0E-03

MW-17

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
Acenaphthene	8270	2/21/2010	0				3.0E-02
Acenaphthylene	8270	2/21/2010	0				3.0E-02
Anthracene	8270	2/21/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-17

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Arsenic	6020	2/21/2010	0	1.6E-02			1.0E-01
Barium	6020	2/21/2010	0	5.4E-02			1.0E+00
Benzene	8260	2/21/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/21/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/21/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/21/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/21/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/21/2010	0				3.0E-02
Cadmium	6020	2/21/2010	0				1.0E-02
Chromium	6020	2/21/2010	0				5.0E-02
Chrysene	8270	2/21/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/21/2010	0				3.0E-02
Diisopropyl Ether	8260	2/21/2010	0				
Ethyl tert butyl Ether	8260	2/21/2010	0				
Ethylbenzene	8260	2/21/2010	0				7.5E-01
Fluoranthene	8270	2/21/2010	0				3.0E-02
Fluorene	8270	2/21/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/21/2010	0				3.0E-02
Lead	6020	2/21/2010	0				5.0E-02
m,p-Xylenes	8260	2/21/2010	0				
Methyl tert butyl Ether	8260	2/21/2010	0				
Naphthalene	8270	2/21/2010	0				3.0E-02
o-Xylene	8260	2/21/2010	0				
Phenanthrene	8270	2/21/2010	0				3.0E-02
Pyrene	8270	2/21/2010	0				3.0E-02
Selenium	6020	2/21/2010	0	8.0E-03			5.0E-02
Silver	6020	2/21/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/21/2010	0				
tert-butyl alcohol	8260	2/21/2010	0				
Toluene	8260	2/21/2010	0				7.5E-01
Total Mercury	7470	2/21/2010	0				2.0E-03

MW-18

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
Acenaphthene	8270	2/24/2010	0				3.0E-02
Acenaphthylene	8270	2/24/2010	0				3.0E-02
Anthracene	8270	2/24/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-18

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Arsenic	6020	2/24/2010	0	1.3E-02			1.0E-01
Arsenic	6010	10/23/2010	0			6.6E-03	1.0E-01
Barium	6020	2/24/2010	0	2.0E+00			1.0E+00
Barium	6010	10/23/2010	0	9.2E-01			1.0E+00
Benzene	8260	2/24/2010	0	3.1E-02			1.0E-02
Benzene	8260	10/23/2010	0	2.6E-02			1.0E-02
Benzo(a)anthracene	8270	2/24/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/24/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/24/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/24/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/24/2010	0				3.0E-02
Cadmium	6020	2/24/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/24/2010	0				5.0E-02
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/24/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/24/2010	0				3.0E-02
Diisopropyl Ether	8260	2/24/2010	0				
Ethyl tert butyl Ether	8260	2/24/2010	0				
Ethylbenzene	8260	2/24/2010	0	8.2E-02			7.5E-01
Ethylbenzene	8260	10/23/2010	0	7.4E-02			7.5E-01
Fluoranthene	8270	2/24/2010	0				3.0E-02
Fluorene	8270	2/24/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/24/2010	0				3.0E-02
Lead	6020	2/24/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/24/2010	0	7.1E-03			
m,p-Xylenes	8260	10/23/2010	0	2.4E-03			
Methyl tert butyl Ether	8260	2/24/2010	0				
Naphthalene	8270	2/24/2010	0				3.0E-02
o-Xylene	8260	2/24/2010	0	5.9E-03			
o-Xylene	8260	10/23/2010	0	2.5E-03			
Phenanthrene	8270	2/24/2010	0				3.0E-02
Pyrene	8270	2/24/2010	0				3.0E-02
Selenium	6020	2/24/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	2.0E-02			5.0E-02
Silver	6020	2/24/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/24/2010	0				
tert-butyl alcohol	8260	2/24/2010	0	3.1E-02			

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-18

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Toluene	8260	2/24/2010	0				7.5E-01
Toluene	8260	10/23/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/24/2010	0	1.0E-04			2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0	4.9E-03			6.2E-01

MW-19

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
Acenaphthene	8270	2/24/2010	0				3.0E-02
Acenaphthylene	8270	2/24/2010	0				3.0E-02
Anthracene	8270	2/24/2010	0				3.0E-02
Arsenic	6020	2/24/2010	0	4.1E-02			1.0E-01
Arsenic	6010	10/23/2010	0	2.7E-02			1.0E-01
Barium	6020	2/24/2010	0	1.3E+00			1.0E+00
Barium	6010	10/23/2010	0	8.1E-01			1.0E+00
Benzene	8260	2/24/2010	0	4.6E-03			1.0E-02
Benzene	8260	10/23/2010	0	3.4E-03			1.0E-02
Benzo(a)anthracene	8270	2/24/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/24/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/24/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/24/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/24/2010	0				3.0E-02
Cadmium	6020	2/24/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/24/2010	0				5.0E-02
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/24/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/24/2010	0				3.0E-02
Diisopropyl Ether	8260	2/24/2010	0				
Ethyl tert butyl Ether	8260	2/24/2010	0				
Ethylbenzene	8260	2/24/2010	0	4.6E-02			7.5E-01
Ethylbenzene	8260	10/23/2010	0	4.7E-02			7.5E-01
Fluoranthene	8270	2/24/2010	0				3.0E-02
Fluorene	8270	2/24/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/24/2010	0				3.0E-02
Lead	6020	2/24/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-19

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
m,p-Xylenes	8260	2/24/2010	0	1.8E-02			
m,p-Xylenes	8260	10/23/2010	0	1.6E-02			
Methyl tert butyl Ether	8260	2/24/2010	0				
Naphthalene	8270	2/24/2010	0				3.0E-02
o-Xylene	8260	2/24/2010	0	1.9E-02			
o-Xylene	8260	10/23/2010	0	1.7E-02			
Phenanthrene	8270	2/24/2010	0				3.0E-02
Pyrene	8270	2/24/2010	0				3.0E-02
Selenium	6020	2/24/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	2.2E-02			5.0E-02
Silver	6020	2/24/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/24/2010	0				
tert-butyl alcohol	8260	2/24/2010	0				
Toluene	8260	2/24/2010	0				7.5E-01
Toluene	8260	10/23/2010	0	1.1E-03			7.5E-01
Total Mercury	7470	2/24/2010	0				2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0	3.4E-02			6.2E-01

MW-20

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/24/2010	0				3.0E-02
Acenaphthene	8270	2/24/2010	0				3.0E-02
Acenaphthylene	8270	2/24/2010	0				3.0E-02
Anthracene	8270	2/24/2010	0				3.0E-02
Arsenic	6020	2/24/2010	0	6.5E-02			1.0E-01
Arsenic	6010	10/23/2010	0	4.4E-02			1.0E-01
Barium	6020	2/24/2010	0	4.4E+00			1.0E+00
Barium	6010	10/23/2010	0	2.8E+00			1.0E+00
Benzene	8260	2/24/2010	0	2.3E-02			1.0E-02
Benzene	8260	10/23/2010	0	3.4E-02			1.0E-02
Benzo(a)anthracene	8270	2/24/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/24/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/24/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/24/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/24/2010	0				3.0E-02
Cadmium	6020	2/24/2010	0				1.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-20

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/24/2010	0				5.0E-02
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/24/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/24/2010	0				3.0E-02
Diisopropyl Ether	8260	2/24/2010	0				
Ethyl tert butyl Ether	8260	2/24/2010	0				
Ethylbenzene	8260	2/24/2010	0	2.3E-02			7.5E-01
Ethylbenzene	8260	10/23/2010	0	4.1E-02			7.5E-01
Fluoranthene	8270	2/24/2010	0				3.0E-02
Fluorene	8270	2/24/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/24/2010	0				3.0E-02
Lead	6020	2/24/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/24/2010	0	6.8E-03			
m,p-Xylenes	8260	10/23/2010	0	1.4E-02			
Methyl tert butyl Ether	8260	2/24/2010	0				
Naphthalene	8270	2/24/2010	0				3.0E-02
o-Xylene	8260	2/24/2010	0	2.4E-03			
o-Xylene	8260	10/23/2010	0	3.1E-03			
Phenanthrene	8270	2/24/2010	0				3.0E-02
Pyrene	8270	2/24/2010	0				3.0E-02
Selenium	6020	2/24/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	2.0E-02			5.0E-02
Silver	6020	2/24/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/24/2010	0				
tert-butyl alcohol	8260	2/24/2010	0	2.3E-02			
Toluene	8260	2/24/2010	0				7.5E-01
Toluene	8260	10/23/2010	0	1.5E-03			7.5E-01
Total Mercury	7470	2/24/2010	0	9.0E-03			2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0	1.7E-02			6.2E-01

MW-21

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
Acenaphthene	8270	2/21/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-21

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthylene	8270	2/21/2010	0				3.0E-02
Anthracene	8270	2/21/2010	0				3.0E-02
Arsenic	6020	2/21/2010	0	1.9E-02			1.0E-01
Barium	6020	2/21/2010	0	5.4E-02			1.0E+00
Benzene	8260	2/21/2010	0				1.0E-02
Benzo(a)anthracene	8270	2/21/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/21/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/21/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/21/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/21/2010	0				3.0E-02
Cadmium	6020	2/21/2010	0				1.0E-02
Chromium	6020	2/21/2010	0				5.0E-02
Chrysene	8270	2/21/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/21/2010	0				3.0E-02
Diisopropyl Ether	8260	2/21/2010	0				
Ethyl tert butyl Ether	8260	2/21/2010	0				
Ethylbenzene	8260	2/21/2010	0				7.5E-01
Fluoranthene	8270	2/21/2010	0				3.0E-02
Fluorene	8270	2/21/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/21/2010	0				3.0E-02
Lead	6020	2/21/2010	0				5.0E-02
m,p-Xylenes	8260	2/21/2010	0				
Methyl tert butyl Ether	8260	2/21/2010	0				
Naphthalene	8270	2/21/2010	0				3.0E-02
o-Xylene	8260	2/21/2010	0				
Phenanthrene	8270	2/21/2010	0				3.0E-02
Pyrene	8270	2/21/2010	0				3.0E-02
Selenium	6020	2/21/2010	0	7.0E-03			5.0E-02
Silver	6020	2/21/2010	0				5.0E-02
tert-Amyl methyl Ether	8260	2/21/2010	0				
tert-butyl alcohol	8260	2/21/2010	0				
Toluene	8260	2/21/2010	0				7.5E-01
Total Mercury	7470	2/21/2010	0				2.0E-03

MW-22

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/22/2010	0				3.0E-02
Acenaphthene	8270	2/22/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-22

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthylene	8270	2/22/2010	0				3.0E-02
Anthracene	8270	2/22/2010	0				3.0E-02
Arsenic	6020	2/22/2010	0	1.6E-02			1.0E-01
Arsenic	6010	10/23/2010	0	2.8E-02			1.0E-01
Barium	6020	2/22/2010	0	1.4E-01			1.0E+00
Barium	6010	10/23/2010	0	7.0E-02			1.0E+00
Benzene	8260	2/22/2010	0				1.0E-02
Benzene	8260	10/23/2010	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	2/22/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/22/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/22/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/22/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/22/2010	0				3.0E-02
Cadmium	6020	2/22/2010	0				1.0E-02
Cadmium	6010	10/23/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/22/2010	0				5.0E-02
Chromium	6010	10/23/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/22/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/22/2010	0				3.0E-02
Diisopropyl Ether	8260	2/22/2010	0				
Ethyl tert butyl Ether	8260	2/22/2010	0				
Ethylbenzene	8260	2/22/2010	0				7.5E-01
Ethylbenzene	8260	10/23/2010	0			5.0E-04	7.5E-01
Fluoranthene	8270	2/22/2010	0				3.0E-02
Fluorene	8270	2/22/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/22/2010	0				3.0E-02
Lead	6020	2/22/2010	0				5.0E-02
Lead	6010	10/23/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/22/2010	0				
m,p-Xylenes	8260	10/23/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/22/2010	0				
Naphthalene	8270	2/22/2010	0				3.0E-02
o-Xylene	8260	2/22/2010	0	2.1E-03			
o-Xylene	8260	10/23/2010	0	2.6E-03			
Phenanthrene	8270	2/22/2010	0				3.0E-02
Pyrene	8270	2/22/2010	0				3.0E-02
Selenium	6020	2/22/2010	0				5.0E-02
Selenium	6010	10/23/2010	0	1.7E-02			5.0E-02
Silver	6020	2/22/2010	0				5.0E-02
Silver	6010	10/23/2010	0			6.5E-04	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-22

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
tert-Amyl methyl Ether	8260	2/22/2010	0				
tert-butyl alcohol	8260	2/22/2010	0				
Toluene	8260	2/22/2010	0				7.5E-01
Toluene	8260	10/23/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/22/2010	0				2.0E-03
Total Mercury	7470	10/23/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/23/2010	0	2.6E-03			6.2E-01

MW-23

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
Acenaphthene	8270	2/21/2010	0				3.0E-02
Acenaphthylene	8270	2/21/2010	0				3.0E-02
Anthracene	8270	2/21/2010	0				3.0E-02
Arsenic	6020	2/21/2010	0	2.2E-02			1.0E-01
Arsenic	6010	10/24/2010	0	1.2E-02			1.0E-01
Barium	6020	2/21/2010	0	1.0E-01			1.0E+00
Barium	6010	10/24/2010	0	1.1E-01			1.0E+00
Benzene	8260	2/21/2010	0				1.0E-02
Benzene	8260	10/24/2010	0	1.2E-03			1.0E-02
Benzo(a)anthracene	8270	2/21/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/21/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/21/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/21/2010	0				3.0E-02
Benzo(k)fluoranthene	8270	2/21/2010	0				3.0E-02
Cadmium	6020	2/21/2010	0				1.0E-02
Cadmium	6010	10/24/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/21/2010	0				5.0E-02
Chromium	6010	10/24/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/21/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/21/2010	0				3.0E-02
Diisopropyl Ether	8260	2/21/2010	0				
Ethyl tert butyl Ether	8260	2/21/2010	0				
Ethylbenzene	8260	2/21/2010	0				7.5E-01
Ethylbenzene	8260	10/24/2010	0			5.0E-04	7.5E-01
Fluoranthene	8270	2/21/2010	0				3.0E-02
Fluorene	8270	2/21/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/21/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-23

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Lead	6020	2/21/2010	0				5.0E-02
Lead	6010	10/24/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/21/2010	0				
m,p-Xylenes	8260	10/24/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/21/2010	0				
Naphthalene	8270	2/21/2010	0				3.0E-02
o-Xylene	8260	2/21/2010	0				
o-Xylene	8260	10/24/2010	0			5.0E-04	
Phenanthrene	8270	2/21/2010	0				3.0E-02
Pyrene	8270	2/21/2010	0				3.0E-02
Selenium	6020	2/21/2010	0	1.1E-02			5.0E-02
Selenium	6010	10/24/2010	0	1.5E-02			5.0E-02
Silver	6020	2/21/2010	0				5.0E-02
Silver	6010	10/24/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/21/2010	0				
tert-butyl alcohol	8260	2/21/2010	0				
Toluene	8260	2/21/2010	0				7.5E-01
Toluene	8260	10/24/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/21/2010	0				2.0E-03
Total Mercury	7470	10/24/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/24/2010	0				6.2E-01

MW-24

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
2-Methylnaphthalene	8270	2/21/2010	0				3.0E-02
Acenaphthene	8270	2/21/2010	0				3.0E-02
Acenaphthylene	8270	2/21/2010	0				3.0E-02
Anthracene	8270	2/21/2010	0				3.0E-02
Arsenic	6020	2/21/2010	0	1.6E-02			1.0E-01
Arsenic	6010	10/24/2010	0	1.5E-02			1.0E-01
Barium	6020	2/21/2010	0	1.9E-01			1.0E+00
Barium	6010	10/24/2010	0	6.5E-02			1.0E+00
Benzene	8260	2/21/2010	0	3.2E-02			1.0E-02
Benzene	8260	10/24/2010	0	2.7E-02			1.0E-02
Benzo(a)anthracene	8270	2/21/2010	0				3.0E-02
Benzo(a)pyrene	8270	2/21/2010	0				7.0E-04
Benzo(b)fluoranthene	8270	2/21/2010	0				3.0E-02
Benzo(g,h,i)perylene	8270	2/21/2010	0				3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-24

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzo(k)fluoranthene	8270	2/21/2010	0				3.0E-02
Cadmium	6020	2/21/2010	0				1.0E-02
Cadmium	6010	10/24/2010	0			1.4E-04	1.0E-02
Chromium	6020	2/21/2010	0				5.0E-02
Chromium	6010	10/24/2010	0			4.0E-04	5.0E-02
Chrysene	8270	2/21/2010	0				3.0E-02
Dibenzo(a,h)anthracene	8270	2/21/2010	0				3.0E-02
Diisopropyl Ether	8260	2/21/2010	0				
Ethyl tert butyl Ether	8260	2/21/2010	0				
Ethylbenzene	8260	2/21/2010	0	3.4E-02			7.5E-01
Ethylbenzene	8260	10/24/2010	0	3.3E-02			7.5E-01
Fluoranthene	8270	2/21/2010	0				3.0E-02
Fluorene	8270	2/21/2010	0				3.0E-02
Indeno(1,2,3-cd)pyrene	8270	2/21/2010	0				3.0E-02
Lead	6020	2/21/2010	0				5.0E-02
Lead	6010	10/24/2010	0			1.9E-03	5.0E-02
m,p-Xylenes	8260	2/21/2010	0				
m,p-Xylenes	8260	10/24/2010	0			1.0E-03	
Methyl tert butyl Ether	8260	2/21/2010	0				
Naphthalene	8270	2/21/2010	0				3.0E-02
o-Xylene	8260	2/21/2010	0	1.8E-03			
o-Xylene	8260	10/24/2010	0	4.7E-03			
Phenanthrene	8270	2/21/2010	0				3.0E-02
Pyrene	8270	2/21/2010	0				3.0E-02
Selenium	6020	2/21/2010	0				5.0E-02
Selenium	6010	10/24/2010	0	1.3E-02			5.0E-02
Silver	6020	2/21/2010	0				5.0E-02
Silver	6010	10/24/2010	0			6.5E-04	5.0E-02
tert-Amyl methyl Ether	8260	2/21/2010	0				
tert-butyl alcohol	8260	2/21/2010	0	4.0E-02			
Toluene	8260	2/21/2010	0				7.5E-01
Toluene	8260	10/24/2010	0			5.0E-04	7.5E-01
Total Mercury	7470	2/21/2010	0				2.0E-03
Total Mercury	7470	10/24/2010	0			1.0E-04	2.0E-03
Total Xylenes	8260	10/24/2010	0	4.7E-03			6.2E-01

APPENDIX A

Groundwater Sampling Laboratory Analytical Results with Chain-of-Custody Documentation

H2A
ENVIRONMENTAL, LTD.

Analytical Report 394715

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

01-NOV-10

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

01-NOV-10

Project Manager: **Iain Olness**
URS Corporation
7720 N. 16th St. Suite100
Phoenix, AZ 85020

Reference: XENCO Report No: **394715**
EQPL Basin Jal Pump Station
Project Address:

Iain Olness:

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 394715. 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. 394715 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

XENCO Laboratories

Sample Cross Reference 394715

ACCREDITED IN ACCORDANCE WITH nelac

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-22	W	Oct-23-10 09:00		394715-001
MW-04	W	Oct-23-10 09:44		394715-002
MW-03	W	Oct-23-10 10:53		394715-003
MW-19	W	Oct-23-10 11:56		394715-004
MW-18	W	Oct-23-10 13:47		394715-005
MW-20	W	Oct-23-10 14:30		394715-006
MW-14	W	Oct-23-10 15:44		394715-007

CASE NARRATIVE

Client Name: URS Corporation
Project Name: EQPL Basin Jal Pump Station

Project ID:	*49194426*	*Report Date:*	*01-NOV-10*
Work Order Number:	*394715*	*Date Received:*	*10/25/2010*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-829052 Dissolved Mercury by SW-846 7470A
SW7470A

Batch 829052, Dissolved Mercury RPD was outside laboratory control limits, however it was within control limits for the Matrix spike and Matrix spike duplicate.
Samples affected are: 394715-006, -007, -008, -001, -002, -005, -004, -003

Batch: LBA-829503 Dissolved Metals by SW-846 6010B

Batch: LBA-829507 BTEX by SW 8260B

Certificate of Analysis Summary 394715

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Mon Oct-25-10 08:00 am
Report Date: 01-NOV-10
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	394715-001		394715-002		394715-003		394715-004		394715-005		394715-006	
	Field Id:	MW-22		MW-04		MW-03		MW-19		MW-18		MW-20	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Oct-23-10 09:00		Oct-23-10 09:44		Oct-23-10 10:53		Oct-23-10 11:56		Oct-23-10 13:47		Oct-23-10 14:30	
BTEX by SW 8260B	***Extracted:***	Oct-27-10 11:10		Oct-27-10 11:12		Oct-27-10 11:14		Oct-27-10 11:16		Oct-27-10 11:18		Oct-27-10 11:20	
	Analyzed:	Oct-27-10 18:25		Oct-27-10 18:51		Oct-27-10 19:16		Oct-27-10 19:42		Oct-27-10 20:07		Oct-27-10 20:32	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		ND	0.0010	ND	0.0010	ND	0.0010	0.0034	0.0010	0.0265	0.0010	0.0338	0.0010
Toluene		ND	0.0010	0.0011	0.0010	0.0016	0.0010	0.0011	0.0010	ND	0.0010	0.0015	0.0010
Ethylbenzene		ND	0.0010	ND	0.0010	0.0063	0.0010	0.0474	0.0010	0.0740	0.0010	0.0409	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	0.0035	0.0020	0.0165	0.0020	0.0024	0.0020	0.0138	0.0020
o-Xylene		0.0026	0.0010	0.0011	0.0010	0.0098	0.0010	0.0172	0.0010	0.0025	0.0010	0.0031	0.0010
Total Xylenes		0.0026	0.001	0.0011	0.001	0.0133	0.001	0.0337	0.001	0.0049	0.001	0.0169	0.001
Total BTEX		0.0026	0.001	0.0022	0.001	0.0212	0.001	0.0856	0.001	0.1054	0.001	0.0931	0.001
Dissolved Mercury by SW-846 7470A	***Extracted:***	Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00	
	Analyzed:	Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Dissolved Mercury		ND	0.0003	ND	0.0003	ND	0.0003	ND	0.0003	ND	0.0003	ND	0.0003
Dissolved Metals by SW-846 6010B SUB: E87429	***Extracted:***	Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00	
	Analyzed:	Oct-27-10 12:33		Oct-27-10 12:43		Oct-27-10 12:46		Oct-27-10 12:51		Oct-27-10 12:54		Oct-27-10 12:56	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.028	0.010	0.017	0.010	0.049	0.010	0.027	0.010	ND	0.010	0.044	0.010
Barium		0.070	0.050	0.471	0.050	0.565	0.050	0.811	0.050	0.916	0.050	2.85	0.050
Cadmium		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Chromium		ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050
Lead		ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Selenium		0.017	0.010	ND	0.010	0.011	0.010	0.022	0.010	0.020	0.010	0.020	0.010
Silver		ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050

Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 394715

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Mon Oct-25-10 08:00 am
Report Date: 01-NOV-10
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	394715-007					
	Field Id:	MW-14					
	Depth:						
	Matrix:	WATER					
	Sampled:	Oct-23-10 15:44					
BTEX by SW 8260B	*Extracted:*	Oct-27-10 11:22					
	Analyzed:	Oct-27-10 20:58					
	Units/RL:	mg/L RL					
Benzene		0.0020 0.0010					
Toluene		ND 0.0010					
Ethylbenzene		0.0011 0.0010					
m,p-Xylenes		ND 0.0020					
o-Xylene		ND 0.0010					
Total Xylenes		ND 0.001					
Total BTEX		0.0031 0.001					
Dissolved Mercury by SW-846 7470A	*Extracted:*	Oct-25-10 10:00					
	Analyzed:	Oct-26-10 11:00					
	Units/RL:	mg/L RL					
Dissolved Mercury		ND 0.0003					
Dissolved Metals by SW-846 6010B SUB: E87429	*Extracted:*	Oct-26-10 18:00					
	Analyzed:	Oct-27-10 12:58					
	Units/RL:	mg/L RL					
Arsenic		0.011 0.010					
Barium		0.053 0.050					
Cadmium		ND 0.005					
Chromium		ND 0.050					
Lead		ND 0.010					
Selenium		0.019 0.010					
Silver		ND 0.050					

Brent Barron, II
Odessa Laboratory Manager

XENCO Laboratories

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.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394715,

Project ID: 49194426

Lab Batch #: 829507 **Sample:** 577297-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 10:20

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0443	0.0500	89	74-124	
Dibromofluoromethane	0.0471	0.0500	94	75-131	
1,2-Dichloroethane-D4	0.0501	0.0500	100	63-144	
Toluene-D8	0.0462	0.0500	92	80-117	

Lab Batch #: 829507 **Sample:** 577297-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 11:37

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0434	0.0500	87	74-124	
Dibromofluoromethane	0.0474	0.0500	95	75-131	
1,2-Dichloroethane-D4	0.0412	0.0500	82	63-144	
Toluene-D8	0.0439	0.0500	88	80-117	

Lab Batch #: 829507 **Sample:** 394724-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 15:27

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0475	0.0500	95	74-124	
Dibromofluoromethane	0.0523	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0554	0.0500	111	63-144	
Toluene-D8	0.0460	0.0500	92	80-117	

Lab Batch #: 829507 **Sample:** 394724-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 15:52

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0494	0.0500	99	74-124	
Dibromofluoromethane	0.0491	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0517	0.0500	103	63-144	
Toluene-D8	0.0475	0.0500	95	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394715,

Project ID: 49194426

Lab Batch #: 829507 **Sample:** 394715-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 18:25

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0460	0.0500	92	74-124	
Dibromofluoromethane	0.0478	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0467	0.0500	93	63-144	
Toluene-D8	0.0443	0.0500	89	80-117	

Lab Batch #: 829507 **Sample:** 394715-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 18:51

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0466	0.0500	93	74-124	
Dibromofluoromethane	0.0500	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0449	0.0500	90	63-144	
Toluene-D8	0.0473	0.0500	95	80-117	

Lab Batch #: 829507 **Sample:** 394715-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 19:16

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0457	0.0500	91	74-124	
Dibromofluoromethane	0.0511	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0476	0.0500	95	63-144	
Toluene-D8	0.0477	0.0500	95	80-117	

Lab Batch #: 829507 **Sample:** 394715-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 19:42

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	
Dibromofluoromethane	0.0509	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0493	0.0500	99	63-144	
Toluene-D8	0.0471	0.0500	94	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394715, **Project ID:** 49194426

Lab Batch #: 829507 **Sample:** 394715-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 20:07

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0494	0.0500	99	74-124	
Dibromofluoromethane	0.0520	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0476	0.0500	95	63-144	
Toluene-D8	0.0473	0.0500	95	80-117	

Lab Batch #: 829507 **Sample:** 394715-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 20:32

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	74-124	
Dibromofluoromethane	0.0507	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0497	0.0500	99	63-144	
Toluene-D8	0.0475	0.0500	95	80-117	

Lab Batch #: 829507 **Sample:** 394715-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 20:58

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0511	0.0500	102	74-124	
Dibromofluoromethane	0.0525	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0482	0.0500	96	63-144	
Toluene-D8	0.0468	0.0500	94	80-117	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Blank Spike Recovery

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EQPL Basin Jal Pump Station

Work Order #: 394715 **Project ID:** 49194426

Lab Batch #: 829507 **Sample:** 577297-1-BKS **Matrix:** Water

Date Analyzed: 10/27/2010 **Date Prepared:** 10/27/2010 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1

BTEX by SW 8260B Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	ND	0.1000	0.1144	114	66-142	
Toluene	ND	0.1000	0.1050	105	59-139	
Ethylbenzene	ND	0.1000	0.0993	99	75-125	
m,p-Xylenes	ND	0.2000	0.2066	103	75-125	
o-Xylene	ND	0.1000	0.1029	103	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

BS / BSD Recoveries

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EQPL Basin Jal Pump Station

Work Order #: 394715 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 10/25/2010 **Date Analyzed:** 10/26/2010

Lab Batch ID: 829052 **Sample:** 576987-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by SW-846 7470A 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
Dissolved Mercury	ND	0.0010	0.0008	80	0.001	0.0010	100	22	75-125	20	F

Analyst: 4150 **Date Prepared:** 10/26/2010 **Date Analyzed:** 10/27/2010

Lab Batch ID: 829503 **Sample:** 577124-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010B 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
Arsenic	ND	1.00	0.859	86	1	0.873	87	2	75-125	20	
Barium	ND	1.00	0.996	100	1	1.01	101	1	75-125	20	
Cadmium	ND	1.00	1.00	100	1	1.02	102	2	75-125	20	
Chromium	ND	1.00	0.998	100	1	1.02	102	2	75-125	20	
Lead	ND	1.00	0.989	99	1	1.01	101	2	75-125	20	
Selenium	ND	1.00	0.985	99	1	1.01	101	3	75-125	20	
Silver	ND	1.00	0.986	99	1	1.00	100	1	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 394715 **Project ID:** 49194426

Lab Batch ID: 829507 **QC- Sample ID:** 394724-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/27/2010 **Date Prepared:** 10/27/2010 **Analyst:** MCH

Reporting Units: mg/L

BTEX by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.0012	0.1000	0.1170	116	0.1000	0.1083	107	8	66-142	20	
Toluene	ND	0.1000	0.1049	105	0.1000	0.1013	101	3	59-139	20	
Ethylbenzene	0.0122	0.1000	0.1136	101	0.1000	0.1104	98	3	75-125	20	
m,p-Xylenes	ND	0.2000	0.2124	106	0.2000	0.2095	105	1	75-125	20	
o-Xylene	0.0010	0.1000	0.1082	107	0.1000	0.1059	105	2	75-125	20	

Lab Batch ID: 829052 **QC- Sample ID:** 394715-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/26/2010 **Date Prepared:** 10/25/2010 **Analyst:** LATCOR

Reporting Units: mg/L

Dissolved Mercury by SW-846 7470A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Dissolved Mercury	ND	0.0010	0.0009	90	0.0010	0.0009	90	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 394715 **Project ID:** 49194426

Lab Batch ID: 829503 **QC- Sample ID:** 394715-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/27/2010 **Date Prepared:** 10/26/2010 **Analyst:** 4150

Reporting Units: mg/L

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Dissolved Metals by SW-846 6010B **Analytes**	**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**
Arsenic	0.028	1.00	0.953	93	1.00	0.968	94	2	75-125	20	
Barium	0.070	1.00	0.970	90	1.00	0.984	91	1	75-125	20	
Cadmium	ND	1.00	0.899	90	1.00	0.930	93	3	75-125	20	
Chromium	ND	1.00	0.917	92	1.00	0.938	94	2	75-125	20	
Lead	ND	1.00	0.869	87	1.00	0.897	90	3	75-125	20	
Selenium	0.017	1.00	0.949	93	1.00	0.941	92	1	75-125	20	
Silver	ND	1.00	0.890	89	1.00	0.931	93	5	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

XENCO Laboratories

Sample Duplicate Recovery

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EQPL Basin Jal Pump Station

Work Order #: 394715

Lab Batch #: 829503 **Project ID:** 49194426

Date Analyzed: 10/27/2010 **Date Prepared:** 10/26/2010 **Analyst:** 4150

QC- Sample ID: 394715-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Dissolved Metals by SW-846 6010B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.028	0.016	55	20	F
Barium	0.070	0.070	0	20	
Cadmium	ND	ND	NC	20	
Chromium	ND	ND	NC	20	
Lead	ND	ND	NC	20	
Selenium	0.017	ND	NC	20	
Silver	ND	ND	NC	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☑ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Kenneth Springer

PO #

INCIDENT # (ENV SERVICES): 3 0 0 1 4 3

SAP #: 7 2 0 8 0 3 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 10/23/10

PAGE: 1 of 1

CONSULTANT COMPANY: URS Corporation

ADDRESS: 7720 N. 16th Street, Suite 100

CITY: Phoenix, AZ 85020

TELEPHONE: (602) 648-2402 FAX: (602) 371-1615 E-MAIL: iain_olness@urscorp.com

SITE ADDRESS (Street, City and State): EQPL Basin Jal Pump Station

CONSULTANT PROJECT CONTACT (Report to): Iain Olness

CONSULTANT PROJECT NO.: 49194426

SAMPLER NAME(S) (Print): John Savoie/Ricky Mrazik

LAB USE ONLY: 394715

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1. ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 1.6 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
phone 682-593-0220 x31
Send edd to jsavoie@h2altd.com and rsargent@h2altd.com
Fax 682-593-0660

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

Metals samples were field filtered.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	Oxygenates (5) 8260	Dissolved Metals(6) 6010B&Mercury 7470A	PAH 8270	Container PID Readings or Laboratory Notes
1	MW-22	10/23/10	0900	WATER	X	X				3	X		X		
2	MW-04	10/23/10	0944	WATER	X	X				3	X		X		
3	MW-03	10/23/10	1053	WATER	X	X				3	X		X		
4	MW-19	10/23/10	1156	WATER	X	X				3	X		X		
5	MW-18	10/23/10	1347	WATER	X	X				3	X		X		
6	MW-20	10/23/10	1430	WATER	X	X				3	X		X		
7	MW-14	10/23/10	1544	WATER	X	X				3	X		X		
8	MW-12	10/23/10	1645	WATER	X	X				3	X		X		
				WATER	X	X				3	X		X		
				WATER	X	X				3	X		X		

Relinquished by: (Signature) Richard Mrazik Ricky J Mrazik		Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Lisa Murdock	Date: 10/25/10	Time: 8:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

XENCO Laboratories	Document Title: Sample Receipt Checklist
XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: URS Corporation

Date/Time: 10/25/10 8:00

Lab ID # : 394715

Initials: AM

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	(N/A)	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	(Yes)	No	N/A	
17. VOC sample have zero head space?	Yes	(No)	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	1.6 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Analytical Report 394724

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

01-NOV-10

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

ACCREDITED IN ACCORDANCE WITH nelac

01-NOV-10

Project Manager: **Iain Olness**
URS Corporation
7720 N. 16th St. Suite100
Phoenix, AZ 85020

Reference: XENCO Report No: **394724**
EQPL Basin Jal Pump Station
Project Address:

Iain Olness:

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 394724. 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. 394724 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

XENCO Laboratories

Sample Cross Reference 394724

ACCREDITED IN ACCORDANCE WITH nelac

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-23	W	Oct-24-10 08:47		394724-001
MW-09	W	Oct-24-10 09:37		394724-002
MW-02	W	Oct-24-10 10:25		394724-003
MW-08	W	Oct-24-10 11:09		394724-004
MW-06	W	Oct-24-10 13:37		394724-005
MW-24	W	Oct-24-10 15:02		394724-006
Trip Blank	W	Oct-24-10 00:00		394724-007

CASE NARRATIVE

Client Name: URS Corporation
Project Name: EQPL Basin Jal Pump Station

Project ID:	*49194426*	*Report Date:*	*01-NOV-10*
Work Order Number:	*394724*	*Date Received:*	*10/25/2010*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-829052 Dissolved Mercury by SW-846 7470A
SW7470A

Batch 829052, Dissolved Mercury RPD was outside laboratory control limits, however the Matrix Spike and Matrix Spike Duplicate RPD is within limits.
Samples affected are: 394724-003, -001, -004, -005, -002, -006

Batch: LBA-829364 BTEX by SW 8260B
SW8260BTX

Batch 829364, Toluene-D8 recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis.
Samples affected are: 394724-001 S.

Batch: LBA-829503 Dissolved Metals by SW-846 6010B
SW6010B_ATL
Batch 829503, Arsenic RPD is outside the QC limit. This is most likely due to sample non-homogeneity.
Samples affected are: 394724-003, -001, -004, -005, -002, -006.

Batch: LBA-829507 BTEX by SW 8260B

Certificate of Analysis Summary 394724

URS Corporation, Phoenix, AZ

Project Name: *EQPL Basin Jal Pump Station*

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Mon Oct-25-10 08:00 am
Report Date: 01-NOV-10
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	394724-001		394724-002		394724-003		394724-004		394724-005		394724-006	
	Field Id:	MW-23		MW-09		MW-02		MW-08		MW-06		MW-24	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Oct-24-10 08:47		Oct-24-10 09:37		Oct-24-10 10:25		Oct-24-10 11:09		Oct-24-10 13:37		Oct-24-10 15:02	
BTEX by SW 8260B	*Extracted:*	Oct-26-10 12:24		Oct-27-10 10:44		Oct-27-10 11:02		Oct-27-10 11:04		Oct-27-10 11:06		Oct-27-10 11:08	
	Analyzed:	Oct-26-10 13:59		Oct-27-10 12:54		Oct-27-10 16:43		Oct-27-10 17:09		Oct-27-10 17:35		Oct-27-10 18:00	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		0.0012	0.0010	0.0012	0.0010	0.0032	0.0010	ND	0.0010	0.0163	0.0010	0.0268	0.0010
Toluene		ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Ethylbenzene		ND	0.0010	0.0122	0.0010	0.0269	0.0010	ND	0.0010	0.0073	0.0010	0.0329	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
o-Xylene		ND	0.0010	0.0010	0.0010	0.0017	0.0010	0.0014	0.0010	0.0023	0.0010	0.0047	0.0010
Total Xylenes		ND	0.001	0.0010	0.001	0.0017	0.001	0.0014	0.001	0.0023	0.001	0.0047	0.001
Total BTEX		0.0012	0.001	0.0144	0.001	0.0329	0.001	0.0014	0.001	0.0259	0.001	0.0644	0.001
Dissolved Mercury by SW-846 7470A	*Extracted:*	Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00		Oct-25-10 10:00	
	Analyzed:	Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00		Oct-26-10 11:00	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Dissolved Mercury		ND	0.0003	ND	0.0003	ND	0.0003	ND	0.0003	ND	0.0003	ND	0.0003
Dissolved Metals by SW-846 6010B SUB: E87429	*Extracted:*	Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00		Oct-26-10 18:00	
	Analyzed:	Oct-27-10 13:02		Oct-27-10 13:04		Oct-27-10 13:06		Oct-27-10 13:08		Oct-27-10 13:11		Oct-27-10 13:16	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.012	0.010	0.017	0.010	ND	0.010	0.011	0.010	0.018	0.010	0.015	0.010
Barium		0.109	0.050	0.158	0.050	1.18	0.050	0.073	0.050	0.214	0.050	0.065	0.050
Cadmium		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Chromium		ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050
Lead		ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Selenium		0.015	0.010	0.012	0.010	ND	0.010	0.015	0.010	0.012	0.010	0.013	0.010
Silver		ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050	ND	0.050

Brent Barron, II
Odessa Laboratory Manager

XENCO Laboratories

Certificate of Analysis Summary 394724

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Mon Oct-25-10 08:00 am
Report Date: 01-NOV-10
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	394724-007					
	Field Id:	Trip Blank					
	Depth:						
	Matrix:	WATER					
	Sampled:	Oct-24-10 00:00					
BTEX by SW 8260B	*Extracted:*	Oct-26-10 12:22					
	Analyzed:	Oct-26-10 13:34					
	Units/RL:	mg/L RL					
Benzene		ND 0.0010					
Toluene		ND 0.0010					
Ethylbenzene		ND 0.0010					
m,p-Xylenes		ND 0.0020					
o-Xylene		ND 0.0010					
Total Xylenes		ND 0.001					
Total BTEX		ND 0.001					

Brent Barron, II
Odessa Laboratory Manager

XENCO Laboratories

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.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394724, **Project ID:** 49194426

Lab Batch #: 829364 **Sample:** 577185-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/26/10 11:51

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0435	0.0500	87	74-124	
Dibromofluoromethane	0.0481	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0494	0.0500	99	63-144	
Toluene-D8	0.0487	0.0500	97	80-117	

Lab Batch #: 829364 **Sample:** 577185-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/26/10 12:17

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0418	0.0500	84	74-124	
Dibromofluoromethane	0.0387	0.0500	77	75-131	
1,2-Dichloroethane-D4	0.0391	0.0500	78	63-144	
Toluene-D8	0.0482	0.0500	96	80-117	

Lab Batch #: 829364 **Sample:** 394724-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/26/10 13:34

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0451	0.0500	90	74-124	
Dibromofluoromethane	0.0413	0.0500	83	75-131	
1,2-Dichloroethane-D4	0.0388	0.0500	78	63-144	
Toluene-D8	0.0418	0.0500	84	80-117	

Lab Batch #: 829364 **Sample:** 394724-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/26/10 13:59

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0465	0.0500	93	74-124	
Dibromofluoromethane	0.0493	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0462	0.0500	92	63-144	
Toluene-D8	0.0460	0.0500	92	80-117	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394724, **Project ID:** 49194426

Lab Batch #: 829364 **Sample:** 394724-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/26/10 16:32

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0402	0.0500	80	74-124	
Dibromofluoromethane	0.0492	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0528	0.0500	106	63-144	
Toluene-D8	0.0367	0.0500	73	80-117	*

Lab Batch #: 829364 **Sample:** 394724-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/26/10 16:57

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0420	0.0500	84	74-124	
Dibromofluoromethane	0.0487	0.0500	97	75-131	
1,2-Dichloroethane-D4	0.0501	0.0500	100	63-144	
Toluene-D8	0.0504	0.0500	101	80-117	

Lab Batch #: 829507 **Sample:** 577297-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 10:20

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0443	0.0500	89	74-124	
Dibromofluoromethane	0.0471	0.0500	94	75-131	
1,2-Dichloroethane-D4	0.0501	0.0500	100	63-144	
Toluene-D8	0.0462	0.0500	92	80-117	

Lab Batch #: 829507 **Sample:** 577297-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 11:37

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0434	0.0500	87	74-124	
Dibromofluoromethane	0.0474	0.0500	95	75-131	
1,2-Dichloroethane-D4	0.0412	0.0500	82	63-144	
Toluene-D8	0.0439	0.0500	88	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394724, **Project ID:** 49194426

Lab Batch #: 829507 **Sample:** 394724-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 12:54

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0424	0.0500	85	74-124	
Dibromofluoromethane	0.0454	0.0500	91	75-131	
1,2-Dichloroethane-D4	0.0412	0.0500	82	63-144	
Toluene-D8	0.0430	0.0500	86	80-117	

Lab Batch #: 829507 **Sample:** 394724-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 15:27

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0475	0.0500	95	74-124	
Dibromofluoromethane	0.0523	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0554	0.0500	111	63-144	
Toluene-D8	0.0460	0.0500	92	80-117	

Lab Batch #: 829507 **Sample:** 394724-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 15:52

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0494	0.0500	99	74-124	
Dibromofluoromethane	0.0491	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0517	0.0500	103	63-144	
Toluene-D8	0.0475	0.0500	95	80-117	

Lab Batch #: 829507 **Sample:** 394724-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 16:43

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0485	0.0500	97	74-124	
Dibromofluoromethane	0.0507	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0481	0.0500	96	63-144	
Toluene-D8	0.0456	0.0500	91	80-117	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 394724,

Project ID: 49194426

Lab Batch #: 829507 **Sample:** 394724-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 17:09

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0491	0.0500	98	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0468	0.0500	94	63-144	
Toluene-D8	0.0472	0.0500	94	80-117	

Lab Batch #: 829507 **Sample:** 394724-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 17:35

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0498	0.0500	100	74-124	
Dibromofluoromethane	0.0516	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0487	0.0500	97	63-144	
Toluene-D8	0.0466	0.0500	93	80-117	

Lab Batch #: 829507 **Sample:** 394724-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/27/10 18:00

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0471	0.0500	94	74-124	
Dibromofluoromethane	0.0519	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0483	0.0500	97	63-144	
Toluene-D8	0.0459	0.0500	92	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 394724 **Project ID:** 49194426

Lab Batch #: 829364 **Sample:** 577185-1-BKS **Matrix:** Water

Date Analyzed: 10/26/2010 **Date Prepared:** 10/26/2010 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	ND	0.1000	0.0804	80	66-142	
Toluene	ND	0.1000	0.0813	81	59-139	
Ethylbenzene	ND	0.1000	0.0812	81	75-125	
m,p-Xylenes	ND	0.2000	0.1663	83	75-125	
o-Xylene	ND	0.1000	0.0843	84	75-125	

Lab Batch #: 829507 **Sample:** 577297-1-BKS **Matrix:** Water

Date Analyzed: 10/27/2010 **Date Prepared:** 10/27/2010 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	ND	0.1000	0.1144	114	66-142	
Toluene	ND	0.1000	0.1050	105	59-139	
Ethylbenzene	ND	0.1000	0.0993	99	75-125	
m,p-Xylenes	ND	0.2000	0.2066	103	75-125	
o-Xylene	ND	0.1000	0.1029	103	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

BS / BSD Recoveries

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EQPL Basin Jal Pump Station

Work Order #: 394724 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 10/25/2010 **Date Analyzed:** 10/26/2010

Lab Batch ID: 829052 **Sample:** 576987-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by SW-846 7470A 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
Dissolved Mercury	ND	0.0010	0.0008	80	0.001	0.0010	100	22	75-125	20	F

Analyst: 4150 **Date Prepared:** 10/26/2010 **Date Analyzed:** 10/27/2010

Lab Batch ID: 829503 **Sample:** 577124-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010B 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
Arsenic	ND	1.00	0.859	86	1	0.873	87	2	75-125	20	
Barium	ND	1.00	0.996	100	1	1.01	101	1	75-125	20	
Cadmium	ND	1.00	1.00	100	1	1.02	102	2	75-125	20	
Chromium	ND	1.00	0.998	100	1	1.02	102	2	75-125	20	
Lead	ND	1.00	0.989	99	1	1.01	101	2	75-125	20	
Selenium	ND	1.00	0.985	99	1	1.01	101	3	75-125	20	
Silver	ND	1.00	0.986	99	1	1.00	100	1	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 394724 **Project ID:** 49194426

Lab Batch ID: 829364 **QC- Sample ID:** 394724-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/26/2010 **Date Prepared:** 10/26/2010 **Analyst:** MCH

Reporting Units: mg/L

BTEX by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.0012	0.1000	0.0968	96	0.1000	0.0807	80	18	66-142	20	
Toluene	ND	0.1000	0.0650	65	0.1000	0.0784	78	19	59-139	20	
Ethylbenzene	ND	0.1000	0.0833	83	0.1000	0.0773	77	7	75-125	20	
m,p-Xylenes	ND	0.2000	0.1637	82	0.2000	0.1611	81	2	75-125	20	
o-Xylene	ND	0.1000	0.0833	83	0.1000	0.0830	83	0	75-125	20	

Lab Batch ID: 829507 **QC- Sample ID:** 394724-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/27/2010 **Date Prepared:** 10/27/2010 **Analyst:** MCH

Reporting Units: mg/L

BTEX by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.0012	0.1000	0.1170	116	0.1000	0.1083	107	8	66-142	20	
Toluene	ND	0.1000	0.1049	105	0.1000	0.1013	101	3	59-139	20	
Ethylbenzene	0.0122	0.1000	0.1136	101	0.1000	0.1104	98	3	75-125	20	
m,p-Xylenes	ND	0.2000	0.2124	106	0.2000	0.2095	105	1	75-125	20	
o-Xylene	0.0010	0.1000	0.1082	107	0.1000	0.1059	105	2	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 394724 **Project ID:** 49194426

Lab Batch ID: 829052 **QC- Sample ID:** 394715-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/26/2010 **Date Prepared:** 10/25/2010 **Analyst:** LATCOR

Reporting Units: mg/L

Dissolved Mercury by SW-846 7470A	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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
Dissolved Mercury	ND	0.0010	0.0009	90	0.0010	0.0009	90	0	75-125	20	

Lab Batch ID: 829503 **QC- Sample ID:** 394715-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/27/2010 **Date Prepared:** 10/26/2010 **Analyst:** 4150

Reporting Units: mg/L

Dissolved Metals by SW-846 6010B	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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
Arsenic	0.028	1.00	0.953	93	1.00	0.968	94	2	75-125	20	
Barium	0.070	1.00	0.970	90	1.00	0.984	91	1	75-125	20	
Cadmium	ND	1.00	0.899	90	1.00	0.930	93	3	75-125	20	
Chromium	ND	1.00	0.917	92	1.00	0.938	94	2	75-125	20	
Lead	ND	1.00	0.869	87	1.00	0.897	90	3	75-125	20	
Selenium	0.017	1.00	0.949	93	1.00	0.941	92	1	75-125	20	
Silver	ND	1.00	0.890	89	1.00	0.931	93	5	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

XENCO Laboratories

Sample Duplicate Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 394724

Lab Batch #: 829503 **Project ID:** 49194426

Date Analyzed: 10/27/2010 **Date Prepared:** 10/26/2010 **Analyst:** 4150

QC- Sample ID: 394715-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Dissolved Metals by SW-846 6010B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.028	0.016	55	20	F
Barium	0.070	0.070	0	20	
Cadmium	ND	ND	NC	20	
Chromium	ND	ND	NC	20	
Lead	ND	ND	NC	20	
Selenium	0.017	ND	NC	20	
Silver	ND	ND	NC	20	

Spike Relative Difference RPD 200 * |(B-A)/(B+A)|
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☑ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Kenneth Springer

PO #

INCIDENT # (ENV SERVICES): 3 0 0 1 4 3

SAP #: 7 2 0 8 0 3 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 10/24/2010

PAGE: 1 of 1

CONSULTANT COMPANY: URS Corporation

ADDRESS: 7720 N. 16th Street, Suite 100

CITY: Phoenix, AZ 85020

TELEPHONE: (602) 648-2402 FAX: (602) 371-1615 E-MAIL: iain_olness@urscorp.com

SITE ADDRESS (Street, City and State): EQPL Basin Jal Pump Station

CONSULTANT PROJECT CONTACT (Report to): Iain Olness

CONSULTANT PROJECT NO.: 49194426

SAMPLER NAME(S) (Print): John Savoie/Ricky Mrazik

LAB USE ONLY: 394724

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 1.6 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
Phone 682-593-0220 x31
Send edd to jsavoie@h2altd.com and rsargent@h2altd.com
fax 682-593-0660
Metals samples were field filtered.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	Oxygenates (5) 8260	Dissolved Metals(8) 6010B&Mercury 7470A	PAH 8270	Container PID Readings or Laboratory Notes
1	09 MW-23	10/24/10	0847	WATER	X	X				3	X		X		
2	10 MW-09	10/24/10	0937	WATER	X	X				3	X		X		
3	11 MW-02	10/24/10	1025	WATER	X	X				3	X		X		
4	12 MW-05	10/24/10	1109	WATER	X	X				3	X		X		
5	13 MW-06	10/24/10	1337	WATER	X	X				3	X		X		
6	14 MW-24	10/24/10	1502	WATER	X	X				3	X		X		
7	15 Trip Blank			WATER	X					2	X				
				WATER	X	X				3	X		X		
				WATER	X	X				3	X		X		
				WATER	X	X				3	X		X		

Relinquished by: (Signature) Ricky J Mrazik		Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Lisa Murdock	Date: 10/25/10	Time: 8:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/08 Revision

XENCO Laboratories	XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: URS Corporation

Date/Time: 10/25/10 8:00

Lab ID #: ~~394715~~ AM 394724

Initials: AM

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	(N/A)	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	(Yes)	No	N/A	
17. VOC sample have zero head space?	Yes	(No)	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	1.6 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Analytical Report 395654

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

16-NOV-10

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

16-NOV-10

Project Manager: **Iain Olness**
URS Corporation
7720 N. 16th St. Suite100
Phoenix, AZ 85020

Reference: XENCO Report No: **395654**
EQPL Basin Jal Pump Station
Project Address:

Iain Olness:

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 395654. 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. 395654 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,

Carlos Castro
Managing Director, Texas

XENCO Laboratories

Sample Cross Reference 395654

ACCREDITED IN ACCORDANCE WITH nelac

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-12	W	Nov-02-10 13:28		395654-001
Trip Blank	W	Nov-02-10 00:00		395654-002

CASE NARRATIVE

XENCO Laboratories

Client Name: URS Corporation
Project Name: EQPL Basin Jal Pump Station

ACCREDITED IN ACCORDANCE WITH nelac

Project ID: 49194426 *Report Date:* 16-NOV-10
Work Order Number: 395654 *Date Received:* 11/02/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-830923 BTEX by SW 8260B
SW8260BTX

Batch 830923, Benzene, Toluene, m,p-Xylenes, o-Xylene RPD was outside QC limits.
Samples affected are: 395654-001

Batch: LBA-831757 Dissolved Metals by SW-846 6010B
SW6010B_ATL
Batch 831757, Arsenic RPD is outside the QC limit. This is most likely due to sample non-homogeneity.
Samples affected are: 395654-001.

Certificate of Analysis Summary 395654

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Tue Nov-02-10 03:11 pm
Report Date: 16-NOV-10
Project Manager: Claudia Ramos

Analysis Requested								
	Lab Id:	395654-001		395654-002				
	Field Id:	MW-12		Trip Blank				
	Depth:							
	Matrix:	WATER		WATER				
	Sampled:	Nov-02-10 13:28		Nov-02-10 00:00				
BTEX by SW 8260B SUB: T104704215-TX	***Extracted:***	Nov-05-10 12:22		Nov-04-10 10:56				
	Analyzed:	Nov-05-10 19:06		Nov-04-10 12:52				
	Units/RL:	mg/L	RL	mg/L	RL			
Benzene		ND	0.0010	ND	0.0010			
Toluene		ND	0.0010	ND	0.0010			
Ethylbenzene		0.0010	0.0010	ND	0.0010			
m,p-Xylenes		ND	0.0020	ND	0.0020			
o-Xylene		0.0010	0.0010	ND	0.0010			
Total Xylenes		0.0010	0.001	ND	0.001			
Total BTEX		0.0020	0.001	ND	0.001			
Dissolved Mercury by SW-846 7470A	***Extracted:***	Nov-03-10 08:00						
	Analyzed:	Nov-03-10 12:01						
	Units/RL:	mg/L	RL					
Dissolved Mercury		ND	0.0003					
Dissolved Metals by SW-846 6010B SUB: E87429	***Extracted:***	Nov-11-10 13:45						
	Analyzed:	Nov-12-10 11:16						
	Units/RL:	mg/L	RL					
Arsenic		0.023	0.010					
Barium		0.143	0.050					
Cadmium		ND	0.005					
Chromium		ND	0.050					
Lead		ND	0.010					
Selenium		0.010	0.010					
Silver		ND	0.050					

Carlos Castro
Managing Director, Texas

Final 1.000

XENCO Laboratories

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.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 395654, **Project ID:** 49194426

Lab Batch #: 830912 **Sample:** 577989-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/04/10 10:21

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0579	0.0500	116	74-124	
Dibromofluoromethane	0.0562	0.0500	112	75-131	
1,2-Dichloroethane-D4	0.0511	0.0500	102	63-144	
Toluene-D8	0.0515	0.0500	103	80-117	

Lab Batch #: 830912 **Sample:** 577989-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/04/10 11:26

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0560	0.0500	112	74-124	
Dibromofluoromethane	0.0557	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0477	0.0500	95	63-144	
Toluene-D8	0.0528	0.0500	106	80-117	

Lab Batch #: 830912 **Sample:** 395654-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/04/10 12:52

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0569	0.0500	114	74-124	
Dibromofluoromethane	0.0544	0.0500	109	75-131	
1,2-Dichloroethane-D4	0.0470	0.0500	94	63-144	
Toluene-D8	0.0535	0.0500	107	80-117	

Lab Batch #: 830912 **Sample:** 395748-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/04/10 16:05

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0570	0.0500	114	74-124	
Dibromofluoromethane	0.0546	0.0500	109	75-131	
1,2-Dichloroethane-D4	0.0512	0.0500	102	63-144	
Toluene-D8	0.0541	0.0500	108	80-117	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 395654, **Project ID:** 49194426

Lab Batch #: 830912 **Sample:** 395748-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/04/10 16:26

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0583	0.0500	117	74-124	
Dibromofluoromethane	0.0553	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0505	0.0500	101	63-144	
Toluene-D8	0.0542	0.0500	108	80-117	

Lab Batch #: 830923 **Sample:** 578102-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/05/10 11:09

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0518	0.0500	104	74-124	
Dibromofluoromethane	0.0486	0.0500	97	75-131	
1,2-Dichloroethane-D4	0.0521	0.0500	104	63-144	
Toluene-D8	0.0498	0.0500	100	80-117	

Lab Batch #: 830923 **Sample:** 578102-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/05/10 12:03

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0583	0.0500	117	74-124	
Dibromofluoromethane	0.0487	0.0500	97	75-131	
1,2-Dichloroethane-D4	0.0519	0.0500	104	63-144	
Toluene-D8	0.0488	0.0500	98	80-117	

Lab Batch #: 830923 **Sample:** 396056-003 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/05/10 17:02

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0516	0.0500	103	74-124	
Dibromofluoromethane	0.0528	0.0500	106	75-131	
1,2-Dichloroethane-D4	0.0593	0.0500	119	63-144	
Toluene-D8	0.0483	0.0500	97	80-117	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 395654,

Project ID: 49194426

Lab Batch #: 830923 **Sample:** 396056-003 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/05/10 17:26

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0523	0.0500	105	74-124	
Dibromofluoromethane	0.0482	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0507	0.0500	101	63-144	
Toluene-D8	0.0476	0.0500	95	80-117	

Lab Batch #: 830923 **Sample:** 395654-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/05/10 19:06

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0467	0.0500	93	74-124	
Dibromofluoromethane	0.0468	0.0500	94	75-131	
1,2-Dichloroethane-D4	0.0528	0.0500	106	63-144	
Toluene-D8	0.0487	0.0500	97	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 395654 **Project ID:** 49194426

Lab Batch #: 830912 **Sample:** 577989-1-BKS **Matrix:** Water

Date Analyzed: 11/04/2010 **Date Prepared:** 11/04/2010 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1

BTEX by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Benzene	ND	0.1000	0.0817	82	66-142	
Toluene	ND	0.1000	0.0769	77	59-139	
Ethylbenzene	ND	0.1000	0.0831	83	75-125	
m,p-Xylenes	ND	0.2000	0.1700	85	75-125	
o-Xylene	ND	0.1000	0.0917	92	75-125	

Lab Batch #: 830923 **Sample:** 578102-1-BKS **Matrix:** Water

Date Analyzed: 11/05/2010 **Date Prepared:** 11/05/2010 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1

BTEX by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Benzene	ND	0.1000	0.1051	105	66-142	
Toluene	ND	0.1000	0.1003	100	59-139	
Ethylbenzene	ND	0.1000	0.1014	101	75-125	
m,p-Xylenes	ND	0.2000	0.1902	95	75-125	
o-Xylene	ND	0.1000	0.1013	101	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 395654 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 11/03/2010 **Date Analyzed:** 11/03/2010

Lab Batch ID: 830300 **Sample:** 577744-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by SW-846 7470A 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
Dissolved Mercury	ND	0.0010	0.0009	90	0.001	0.0009	90	0	75-125	20	

Analyst: 4150 **Date Prepared:** 11/11/2010 **Date Analyzed:** 11/12/2010

Lab Batch ID: 831757 **Sample:** 578465-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010B 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
Arsenic	ND	1.00	0.881	88	1	0.909	91	3	75-125	20	
Barium	ND	1.00	0.971	97	1	0.974	97	0	75-125	20	
Cadmium	ND	1.00	0.993	99	1	0.992	99	0	75-125	20	
Chromium	ND	1.00	0.997	100	1	0.998	100	0	75-125	20	
Lead	ND	1.00	0.996	100	1	0.995	100	0	75-125	20	
Selenium	ND	1.00	0.991	99	1	0.998	100	1	75-125	20	
Silver	ND	1.00	0.967	97	1	0.966	97	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+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

Final 1.000

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 395654 **Project ID:** 49194426

Lab Batch ID: 830912 **QC- Sample ID:** 395748-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 11/04/2010 **Date Prepared:** 11/04/2010 **Analyst:** MCH

Reporting Units: mg/L

BTEX by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.1000	0.0781	78	0.1000	0.0690	69	12	66-142	20	
Toluene	0.0014	0.1000	0.0804	79	0.1000	0.0707	69	13	59-139	20	
Ethylbenzene	ND	0.1000	0.0878	88	0.1000	0.0764	76	14	75-125	20	
m,p-Xylenes	ND	0.2000	0.1712	86	0.2000	0.1508	75	13	75-125	20	
o-Xylene	ND	0.1000	0.0913	91	0.1000	0.0838	84	9	75-125	20	

Lab Batch ID: 830923 **QC- Sample ID:** 396056-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 11/05/2010 **Date Prepared:** 11/05/2010 **Analyst:** MCH

Reporting Units: mg/L

BTEX by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.1000	0.1230	123	0.1000	0.0985	99	22	66-142	20	F
Toluene	ND	0.1000	0.1154	115	0.1000	0.0898	90	25	59-139	20	F
Ethylbenzene	ND	0.1000	0.1073	107	0.1000	0.0882	88	20	75-125	20	
m,p-Xylenes	ND	0.2000	0.2149	107	0.2000	0.1691	85	24	75-125	20	F
o-Xylene	ND	0.1000	0.1132	113	0.1000	0.0887	89	24	75-125	20	F

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

Final 1.000

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 395654 **Project ID:** 49194426

Lab Batch ID: 830300 **QC- Sample ID:** 395152-001 S **Batch #:** 1 **Matrix:** Sludge

Date Analyzed: 11/03/2010 **Date Prepared:** 11/03/2010 **Analyst:** LATCOR

Reporting Units: mg/L

Dissolved Mercury by SW-846 7470A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Dissolved Mercury	ND	0.0010	0.0012	120	0.0010	0.0012	120	0	75-125	20	

Lab Batch ID: 831757 **QC- Sample ID:** 395654-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 11/12/2010 **Date Prepared:** 11/11/2010 **Analyst:** 4150

Reporting Units: mg/L

Dissolved Metals by SW-846 6010B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Arsenic	0.023	1.00	0.954	93	1.00	0.950	93	0	75-125	20	
Barium	0.143	1.00	0.956	81	1.00	0.954	81	0	75-125	20	
Cadmium	ND	1.00	0.906	91	1.00	0.907	91	0	75-125	20	
Chromium	ND	1.00	0.926	93	1.00	0.926	93	0	75-125	20	
Lead	ND	1.00	0.885	89	1.00	0.892	89	1	75-125	20	
Selenium	0.010	1.00	0.950	94	1.00	0.956	95	1	75-125	20	
Silver	ND	1.00	0.877	88	1.00	0.878	88	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

Final 1.000

XENCO Laboratories

Sample Duplicate Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 395654

Lab Batch #: 831757 **Project ID:** 49194426

Date Analyzed: 11/12/2010 **Date Prepared:** 11/11/2010 **Analyst:** 4150

QC- Sample ID: 395654-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Dissolved Metals by SW-846 6010B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.023	0.015	42	20	F
Barium	0.143	0.140	2	20	
Cadmium	ND	ND	NC	20	
Chromium	ND	ND	NC	20	
Lead	ND	ND	NC	20	
Selenium	0.010	ND	NC	20	
Silver	ND	ND	NC	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☑ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name: Kenneth Springer

INCIDENT # (ENV SERVICES): 3 0 0 1 4 3 | ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 11/02/2010

PAGE: 1 of 1

PO #

SAP #: 7 2 0 8 0 3 7

CONSULTANT COMPANY: URS Corporation

ADDRESS: 7720 N. 16th Street, Suite 100

CITY: Phoenix, AZ 85020

TELEPHONE: (602) 648-2402 | FAX: (602) 371-1615 | E-MAIL: iain_olness@urscorp.com

SITE ADDRESS (Street, City and State): EQPL Basin Jal Pump Station

CONSULTANT PROJECT CONTACT (Report to): Iain Olness

CONSULTANT PROJECT NO.: 49194426

SAMPLER NAME(S) (Print): Ricky MRAZIK

LAB USE ONLY: 395054

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
682-593-0220 x31
Send edd to jsavoie@h2altd.com and rsargent@h2altd.com
Fax 682-593-0660
Metals samples were field filtered.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	Oxygenates (5) 8260	Dissolved Metals(8) 6010B&Mercury 7470A	PAH 8270	Container PID Readings or Laboratory Notes
	MW-12	11/02/10	1325	Water	X	X				4	X		X		
	Trip Blank									3	X				

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Rudy Mraz		11/02/2010	15:11
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Andrea Elam	11-2-10	15:11
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

3.6°C

05/2/06 Revision

XENCO Laboratories	XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: WRS

Date/Time: 11.2.16 15:11

Lab ID # : 395054

Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	(Yes)	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	3.6 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

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

Regarding: _____

_____

Corrective Action Taken: _____

_____

_____

_____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

☐ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Analytical Report 363151

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

10-MAR-10

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL00449):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295)

XENCO Laboratories

ACCREDITED IN ACCORDANCE WITH nelac

10-MAR-10

Project Manager: **Iain Olness**
URS Corporation
7720 N. 16th St. Suite100
Phoenix, AZ 85020

Reference: XENCO Report No: **363151**
EQPL Basin Jal Pump Station
Project Address: New Mexico

Iain Olness:

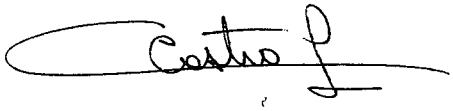
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 363151. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory 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. 363151 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,



Carlos Castro
Managing Director, Texas

XENCO Laboratories

Sample Cross Reference 363151

ACCREDITED IN ACCORDANCE WITH nelac

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-01	W	Feb-20-10 09:30		363151-001
MW-05	W	Feb-20-10 10:36		363151-002
MW-11	W	Feb-20-10 11:55		363151-003
MW-15	W	Feb-20-10 13:59		363151-004
MW-13	W	Feb-20-10 15:11		363151-005
MW-16	W	Feb-20-10 16:22		363151-006
MW-17	W	Feb-21-10 08:54		363151-007
MW-21	W	Feb-21-10 09:54		363151-008
MW-10	W	Feb-21-10 11:16		363151-009
MW-03	W	Feb-21-10 13:32		363151-010
MW-24	W	Feb-21-10 15:35		363151-011
MW-23	W	Feb-21-10 17:34		363151-012
MW-04	W	Feb-22-10 08:52		363151-013
MW-22	W	Feb-22-10 09:58		363151-014
MW-08	W	Feb-22-10 11:40		363151-015
MW-02	W	Feb-22-10 13:54		363151-016
MW-09	W	Feb-22-10 15:19		363151-017
Trip Blank	W	Feb-20-10 00:00		363151-018

CASE NARRATIVE

Client Name: URS Corporation
Project Name: EQPL Basin Jal Pump Station

Project ID: 49194426
Work Order Number: 363151

Report Date: 10-MAR-10
Date Received: 02/23/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-795495 Dissolved Mercury by SW-846 7470A
None

Batch: LBA-795834 SVOA PAHs List by SW-846 8270C
Initial dilutions due to dark sample matrix

Batch: LBA-796100 VOAs by SW-846 8260B
SW8260BTX

Batch 796100, Dibromofluoromethane recovered below QC limits.
Samples affected are: 363271-001MS/MSD.

Batch: LBA-796138 BTEX and Oxygenates by SW 8260B
None

Batch: LBA-796623 Dissolved Metals by SW6020A
None

Certificate of Analysis Summary 363151

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location: New Mexico

Date Received in Lab: Tue Feb-23-10 09:35 am
Report Date: 10-MAR-10
Project Manager: Bethany Agarwal

Analysis Requested													
	Lab Id:	363151-001		363151-002		363151-003		363151-004		363151-005		363151-006	
	Field Id:	MW-01		MW-05		MW-11		MW-15		MW-13		MW-16	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-20-10 09:30		Feb-20-10 10:36		Feb-20-10 11:55		Feb-20-10 13:59		Feb-20-10 15:11		Feb-20-10 16:22	
BTEX and Oxygenates by SW 8260B SUB: T104704215-TX	*Extracted:*	Mar-01-10 16:14		Mar-01-10 16:22		Mar-01-10 16:24		Mar-01-10 16:26		Mar-01-10 16:28		Mar-01-10 16:30	
	Analyzed:	Mar-02-10 00:48		Mar-02-10 02:29		Mar-02-10 02:54		Mar-02-10 03:20		Mar-02-10 03:45		Mar-02-10 04:10	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Methyl tert butyl Ether		ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Benzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Toluene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
o-Xylene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
tert-Amyl methyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
tert-butyl alcohol		ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Ethyl tert butyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Diisopropyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Dissolved Mercury by SW-846 7470A	*Extracted:*												
	Analyzed:	Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Dissolved Mercury		ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	0.0001	0.0001	ND	0.0001
Dissolved Metals by SW6020A SUB: T104704215-TX	*Extracted:*	Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00	
	Analyzed:	Mar-04-10 11:49		Mar-04-10 12:18		Mar-04-10 17:19		Mar-04-10 17:24		Mar-04-10 17:29		Mar-04-10 17:34	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.015	0.002	0.019	0.002	0.022	0.002	0.023	0.002	0.025	0.002	0.018	0.002
Barium		0.023	0.005	0.124	0.005	0.027	0.005	0.025	0.005	0.158	0.005	0.033	0.005
Cadmium		ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001
Chromium		ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003
Lead		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002
Selenium		0.013	0.003	ND	0.003	0.008	0.003	0.023	0.003	0.006	0.003	0.055	0.003
Silver		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002

Carlos Castro
Managing Director, Texas

XENCO Laboratories

Certificate of Analysis Summary 363151

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location: New Mexico

Date Received in Lab: Tue Feb-23-10 09:35 am
Report Date: 10-MAR-10
Project Manager: Bethany Agarwal

Analysis Requested	*Lab Id:*	363151-001		363151-002		363151-003		363151-004		363151-005		363151-006	
	Field Id:	MW-01		MW-05		MW-11		MW-15		MW-13		MW-16	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-20-10 09:30		Feb-20-10 10:36		Feb-20-10 11:55		Feb-20-10 13:59		Feb-20-10 15:11		Feb-20-10 16:22	
SVOA PAHs List by EPA 8270C SUB: T104704215-TX	*Extracted:*	Feb-24-10 10:59		Feb-24-10 11:02		Feb-24-10 11:05		Feb-24-10 11:08		Feb-24-10 11:11		Feb-24-10 11:14	
	Analyzed:	Feb-26-10 01:47		Feb-26-10 13:19		Feb-26-10 13:43		Feb-26-10 14:07		Feb-26-10 14:31		Feb-26-10 14:55	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Acenaphthene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Acenaphthylene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Anthracene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Benzo(a)anthracene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Benzo(a)pyrene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Benzo(b)fluoranthene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Benzo(k)fluoranthene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Benzo(g,h,i)perylene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Chrysene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Dibenz(a,h)Anthracene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Fluoranthene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Fluorene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Indeno(1,2,3-c,d)Pyrene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
1-Methylnaphthalene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
2-Methylnaphthalene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Naphthalene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Phenanthrene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Pyrene		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005

Carlos Castro
Managing Director, Texas

XENCO Laboratories

Certificate of Analysis Summary 363151

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location: New Mexico

Date Received in Lab: Tue Feb-23-10 09:35 am
Report Date: 10-MAR-10
Project Manager: Bethany Agarwal

Analysis Requested													
	Lab Id:	363151-007		363151-008		363151-009		363151-010		363151-011		363151-012	
	Field Id:	MW-17		MW-21		MW-10		MW-03		MW-24		MW-23	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-21-10 08:54		Feb-21-10 09:54		Feb-21-10 11:16		Feb-21-10 13:32		Feb-21-10 15:35		Feb-21-10 17:34	
BTEX and Oxygenates by SW 8260B SUB: T104704215-TX	*Extracted:*	Mar-01-10 16:32		Mar-01-10 16:34		Mar-01-10 16:36		Mar-01-10 11:16		Mar-01-10 11:00		Mar-01-10 11:02	
	Analyzed:	Mar-02-10 04:35		Mar-02-10 05:00		Mar-02-10 05:26		Mar-01-10 20:38		Mar-01-10 17:20		Mar-01-10 17:45	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Methyl tert butyl Ether		ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Benzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0318	0.0010	ND	0.0010
Toluene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	0.0050	0.0010	0.0336	0.0010	ND	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	ND	0.0020	0.0037	0.0020	ND	0.0020	ND	0.0020
o-Xylene		ND	0.0010	ND	0.0010	ND	0.0010	0.0082	0.0010	0.0018	0.0010	ND	0.0010
tert-Amyl methyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
tert-butyl alcohol		ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.040	0.010	ND	0.010
Ethyl tert butyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Diisopropyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Dissolved Mercury by SW-846 7470A	*Extracted:*												
	Analyzed:	Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Dissolved Mercury		ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001
Dissolved Metals by SW6020A SUB: T104704215-TX	*Extracted:*	Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00	
	Analyzed:	Mar-04-10 17:39		Mar-04-10 17:44		Mar-04-10 17:49		Mar-04-10 17:54		Mar-04-10 17:59		Mar-04-10 18:18	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.016	0.002	0.019	0.002	0.020	0.002	0.069	0.002	0.016	0.002	0.022	0.002
Barium		0.054	0.005	0.054	0.005	0.506	0.005	1.20	0.005	0.186	0.005	0.101	0.005
Cadmium		ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001
Chromium		ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003
Lead		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002
Selenium		0.008	0.003	0.007	0.003	ND	0.003	ND	0.003	ND	0.003	0.011	0.003
Silver		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002

Carlos Castro
Managing Director, Texas

XENCO Laboratories

Certificate of Analysis Summary 363151

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

ACCREDITED IN ACCORDANCE WITH nelac

Project Id: 49194426
Contact: Iain Olness
Project Location: New Mexico

Date Received in Lab: Tue Feb-23-10 09:35 am
Report Date: 10-MAR-10
Project Manager: Bethany Agarwal

Analysis Requested													
	Lab Id:	363151-007		363151-008		363151-009		363151-010		363151-011		363151-012	
	Field Id:	MW-17		MW-21		MW-10		MW-03		MW-24		MW-23	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-21-10 08:54		Feb-21-10 09:54		Feb-21-10 11:16		Feb-21-10 13:32		Feb-21-10 15:35		Feb-21-10 17:34	
SVOA PAHs List by EPA 8270C SUB: T104704215-TX	***Extracted:***	Feb-24-10 11:17		Feb-24-10 11:20		Feb-24-10 11:23		Feb-24-10 11:26		Feb-24-10 11:29		Feb-24-10 11:32	
	Analyzed:	Feb-26-10 15:18		Feb-26-10 15:42		Feb-26-10 16:30		Feb-26-10 16:54		Feb-26-10 17:18		Feb-26-10 16:06	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Acenaphthene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Acenaphthylene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Anthracene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Benzo(a)anthracene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Benzo(a)pyrene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Benzo(b)fluoranthene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Benzo(k)fluoranthene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Benzo(g,h,i)perylene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Chrysene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Dibenz(a,h)Anthracene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Fluoranthene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Fluorene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Indeno(1,2,3-c,d)Pyrene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
1-Methylnaphthalene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
2-Methylnaphthalene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Naphthalene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Phenanthrene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005
Pyrene		ND	0.005	ND	0.005	ND	0.050	ND	0.100	ND	0.105	ND	0.005

Carlos Castro
Managing Director, Texas

XENCO Laboratories

Certificate of Analysis Summary 363151

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location: New Mexico

Date Received in Lab: Tue Feb-23-10 09:35 am
Report Date: 10-MAR-10
Project Manager: Bethany Agarwal

Analysis Requested		363151-013		363151-014		363151-015		363151-016		363151-017		363151-018	
	Field Id:	MW-04		MW-22		MW-08		MW-02		MW-09		Trip Blank	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-22-10 08:52		Feb-22-10 09:58		Feb-22-10 11:40		Feb-22-10 13:54		Feb-22-10 15:19		Feb-20-10 00:00	
BTEX and Oxygenates by SW 8260B SUB: T104704215-TX	*Extracted:*	Mar-01-10 11:04		Mar-01-10 11:06		Mar-01-10 11:08		Mar-01-10 11:10		Mar-01-10 11:12		Mar-01-10 11:14	
	Analyzed:	Mar-01-10 18:09		Mar-01-10 18:34		Mar-01-10 18:59		Mar-01-10 19:23		Mar-01-10 19:48		Mar-01-10 20:13	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Methyl tert butyl Ether		ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Benzene		ND	0.0010	ND	0.0010	ND	0.0010	0.0029	0.0010	ND	0.0010	ND	0.0010
Toluene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	0.0131	0.0010	0.0075	0.0010	ND	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
o-Xylene		ND	0.0010	0.0021	0.0010	0.0015	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010
tert-Amyl methyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
tert-butyl alcohol		ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.012	0.010	ND	0.010
Ethyl tert butyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Diisopropyl Ether		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Dissolved Mercury by SW-846 7470A	*Extracted:*												
	Analyzed:	Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15		Feb-25-10 13:15			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Dissolved Mercury		ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001		
Dissolved Metals by SW6020A SUB: T104704215-TX	*Extracted:*	Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00		Mar-01-10 14:00			
	Analyzed:	Mar-04-10 18:23		Mar-04-10 18:28		Mar-04-10 18:33		Mar-04-10 18:38		Mar-04-10 18:43			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Arsenic		0.026	0.002	0.016	0.002	0.021	0.002	0.016	0.002	0.017	0.002		
Barium		0.615	0.005	0.138	0.005	0.137	0.005	2.58	0.005	0.188	0.005		
Cadmium		ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001		
Chromium		ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003		
Lead		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002		
Selenium		ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003		
Silver		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002		

Carlos Castro
Managing Director, Texas

Certificate of Analysis Summary 363151

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location: New Mexico

Date Received in Lab: Tue Feb-23-10 09:35 am
Report Date: 10-MAR-10
Project Manager: Bethany Agarwal

Analysis Requested	*Lab Id:*	363151-013		363151-014		363151-015		363151-016		363151-017		363151-018
	Field Id:	MW-04		MW-22		MW-08		MW-02		MW-09		Trip Blank
	Depth:											
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER
	Sampled:	Feb-22-10 08:52		Feb-22-10 09:58		Feb-22-10 11:40		Feb-22-10 13:54		Feb-22-10 15:19		Feb-20-10 00:00
SVOA PAHs List by EPA 8270C	*Extracted:*	Feb-24-10 11:35		Feb-24-10 11:38		Feb-24-10 11:41		Feb-24-10 11:44		Feb-24-10 11:47		
SUB: T104704215-TX	*Analyzed:*	Feb-26-10 17:41		Feb-26-10 18:05		Feb-26-10 18:29		Feb-26-10 18:52		Feb-26-10 19:16		
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	
Acenaphthene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Acenaphthylene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Anthracene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Benzo(a)anthracene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Benzo(a)pyrene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Benzo(b)fluoranthene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Benzo(k)fluoranthene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Benzo(g,h,i)perylene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Chrysene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Dibenz(a,h)Anthracene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Fluoranthene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Fluorene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Indeno(1,2,3-c,d)Pyrene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
1-Methylnaphthalene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
2-Methylnaphthalene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Naphthalene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Phenanthrene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	
Pyrene		ND	0.102	ND	0.104	ND	0.052	ND	0.050	ND	0.052	

Carlos Castro
Managing Director, Texas

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW6020A Client : URS Corporation

Work Order #: 363151 Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-17	Feb. 21, 2010	Feb. 23, 2010	Mar. 1, 2010	180	8	Mar.4, 2010	180	3	P
MW-15	Feb. 20, 2010	Feb. 23, 2010	Mar. 1, 2010	180	9	Mar.4, 2010	180	3	P
MW-04	Feb. 22, 2010	Feb. 23, 2010	Mar. 1, 2010	180	7	Mar.4, 2010	180	3	P
MW-13	Feb. 20, 2010	Feb. 23, 2010	Mar. 1, 2010	180	9	Mar.4, 2010	180	3	P
MW-01	Feb. 20, 2010	Feb. 23, 2010	Mar. 1, 2010	180	9	Mar.4, 2010	180	3	P
MW-16	Feb. 20, 2010	Feb. 23, 2010	Mar. 1, 2010	180	9	Mar.4, 2010	180	3	P
MW-11	Feb. 20, 2010	Feb. 23, 2010	Mar. 1, 2010	180	9	Mar.4, 2010	180	3	P
MW-24	Feb. 21, 2010	Feb. 23, 2010	Mar. 1, 2010	180	8	Mar.4, 2010	180	3	P
MW-10	Feb. 21, 2010	Feb. 23, 2010	Mar. 1, 2010	180	8	Mar.4, 2010	180	3	P
MW-05	Feb. 20, 2010	Feb. 23, 2010	Mar. 1, 2010	180	9	Mar.4, 2010	180	3	P
MW-21	Feb. 21, 2010	Feb. 23, 2010	Mar. 1, 2010	180	8	Mar.4, 2010	180	3	P
MW-09	Feb. 22, 2010	Feb. 23, 2010	Mar. 1, 2010	180	7	Mar.4, 2010	180	3	P
MW-23	Feb. 21, 2010	Feb. 23, 2010	Mar. 1, 2010	180	8	Mar.4, 2010	180	3	P
MW-08	Feb. 22, 2010	Feb. 23, 2010	Mar. 1, 2010	180	7	Mar.4, 2010	180	3	P
MW-22	Feb. 22, 2010	Feb. 23, 2010	Mar. 1, 2010	180	7	Mar.4, 2010	180	3	P
MW-03	Feb. 21, 2010	Feb. 23, 2010	Mar. 1, 2010	180	8	Mar.4, 2010	180	3	P
MW-02	Feb. 22, 2010	Feb. 23, 2010	Mar. 1, 2010	180	7	Mar.4, 2010	180	3	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Mercury by SW-846 7470A Client : URS Corporation

Work Order #: 363151 Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-17	Feb. 21, 2010	Feb. 23, 2010				Feb.25, 2010	28	4	P
MW-24	Feb. 21, 2010	Feb. 23, 2010				Feb.25, 2010	28	4	P
MW-03	Feb. 21, 2010	Feb. 23, 2010				Feb.25, 2010	28	4	P
MW-10	Feb. 21, 2010	Feb. 23, 2010				Feb.25, 2010	28	4	P
MW-09	Feb. 22, 2010	Feb. 23, 2010				Feb.25, 2010	28	3	P
MW-08	Feb. 22, 2010	Feb. 23, 2010				Feb.25, 2010	28	3	P
MW-02	Feb. 22, 2010	Feb. 23, 2010				Feb.25, 2010	28	3	P
MW-04	Feb. 22, 2010	Feb. 23, 2010				Feb.25, 2010	28	3	P
MW-16	Feb. 20, 2010	Feb. 23, 2010				Feb.25, 2010	28	5	P
MW-23	Feb. 21, 2010	Feb. 23, 2010				Feb.25, 2010	28	4	P
MW-13	Feb. 20, 2010	Feb. 23, 2010				Feb.25, 2010	28	5	P
MW-11	Feb. 20, 2010	Feb. 23, 2010				Feb.25, 2010	28	5	P
MW-22	Feb. 22, 2010	Feb. 23, 2010				Feb.25, 2010	28	3	P
MW-21	Feb. 21, 2010	Feb. 23, 2010				Feb.25, 2010	28	4	P
MW-15	Feb. 20, 2010	Feb. 23, 2010				Feb.25, 2010	28	5	P
MW-05	Feb. 20, 2010	Feb. 23, 2010				Feb.25, 2010	28	5	P
MW-01	Feb. 20, 2010	Feb. 23, 2010				Feb.25, 2010	28	5	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : BTEX and Oxygenates by SW 8260B Client : URS Corporation

Work Order #: 363151 Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-21	Feb. 21, 2010	Feb. 23, 2010				Mar.2, 2010	14	9	P
MW-03	Feb. 21, 2010	Feb. 23, 2010				Mar.1, 2010	14	8	P
MW-22	Feb. 22, 2010	Feb. 23, 2010				Mar.1, 2010	14	7	P
MW-09	Feb. 22, 2010	Feb. 23, 2010				Mar.1, 2010	14	7	P
MW-11	Feb. 20, 2010	Feb. 23, 2010				Mar.2, 2010	14	10	P
MW-04	Feb. 22, 2010	Feb. 23, 2010				Mar.1, 2010	14	7	P
Trip Blank	Feb. 20, 2010	Feb. 23, 2010				Mar.1, 2010	14	9	P
MW-01	Feb. 20, 2010	Feb. 23, 2010				Mar.2, 2010	14	10	P
MW-05	Feb. 20, 2010	Feb. 23, 2010				Mar.2, 2010	14	10	P
MW-15	Feb. 20, 2010	Feb. 23, 2010				Mar.2, 2010	14	10	P
MW-16	Feb. 20, 2010	Feb. 23, 2010				Mar.2, 2010	14	10	P
MW-02	Feb. 22, 2010	Feb. 23, 2010				Mar.1, 2010	14	7	P
MW-17	Feb. 21, 2010	Feb. 23, 2010				Mar.2, 2010	14	9	P
MW-08	Feb. 22, 2010	Feb. 23, 2010				Mar.1, 2010	14	7	P
MW-13	Feb. 20, 2010	Feb. 23, 2010				Mar.2, 2010	14	10	P
MW-24	Feb. 21, 2010	Feb. 23, 2010				Mar.1, 2010	14	8	P
MW-10	Feb. 21, 2010	Feb. 23, 2010				Mar.2, 2010	14	9	P
MW-23	Feb. 21, 2010	Feb. 23, 2010				Mar.1, 2010	14	8	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : SVOA PAHs List by EPA 8270C Client : URS Corporation

Work Order #: 363151 Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-05	Feb. 20, 2010	Feb. 23, 2010	Feb. 24, 2010	7	4	Feb.26, 2010	40	2	P
MW-22	Feb. 22, 2010	Feb. 23, 2010	Feb. 24, 2010	7	2	Feb.26, 2010	40	2	P
MW-03	Feb. 21, 2010	Feb. 23, 2010	Feb. 24, 2010	7	3	Feb.26, 2010	40	2	P
MW-08	Feb. 22, 2010	Feb. 23, 2010	Feb. 24, 2010	7	2	Feb.26, 2010	40	2	P
MW-02	Feb. 22, 2010	Feb. 23, 2010	Feb. 24, 2010	7	2	Feb.26, 2010	40	2	P
MW-09	Feb. 22, 2010	Feb. 23, 2010	Feb. 24, 2010	7	2	Feb.26, 2010	40	2	P
MW-01	Feb. 20, 2010	Feb. 23, 2010	Feb. 24, 2010	7	4	Feb.26, 2010	40	2	P
MW-13	Feb. 20, 2010	Feb. 23, 2010	Feb. 24, 2010	7	4	Feb.26, 2010	40	2	P
MW-24	Feb. 21, 2010	Feb. 23, 2010	Feb. 24, 2010	7	3	Feb.26, 2010	40	2	P
MW-16	Feb. 20, 2010	Feb. 23, 2010	Feb. 24, 2010	7	4	Feb.26, 2010	40	2	P
MW-17	Feb. 21, 2010	Feb. 23, 2010	Feb. 24, 2010	7	3	Feb.26, 2010	40	2	P
MW-21	Feb. 21, 2010	Feb. 23, 2010	Feb. 24, 2010	7	3	Feb.26, 2010	40	2	P
MW-04	Feb. 22, 2010	Feb. 23, 2010	Feb. 24, 2010	7	2	Feb.26, 2010	40	2	P
MW-11	Feb. 20, 2010	Feb. 23, 2010	Feb. 24, 2010	7	4	Feb.26, 2010	40	2	P
MW-15	Feb. 20, 2010	Feb. 23, 2010	Feb. 24, 2010	7	4	Feb.26, 2010	40	2	P
MW-10	Feb. 21, 2010	Feb. 23, 2010	Feb. 24, 2010	7	3	Feb.26, 2010	40	2	P
MW-23	Feb. 21, 2010	Feb. 23, 2010	Feb. 24, 2010	7	3	Feb.26, 2010	40	2	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

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.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 796100 **Sample:** 551770-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 10:00

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0505	0.0500	101	74-124	
Dibromofluoromethane	0.0527	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0504	0.0500	101	63-144	
Toluene-D8	0.0525	0.0500	105	80-117	

Lab Batch #: 796100 **Sample:** 551770-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 11:28

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	
Dibromofluoromethane	0.0491	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0487	0.0500	97	63-144	
Toluene-D8	0.0556	0.0500	111	80-117	

Lab Batch #: 796100 **Sample:** 363271-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 15:15

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0484	0.0500	97	74-124	
Dibromofluoromethane	0.0227	0.0500	45	75-131	**
1,2-Dichloroethane-D4	0.0500	0.0500	100	63-144	
Toluene-D8	0.0518	0.0500	104	80-117	

Lab Batch #: 796100 **Sample:** 363271-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 15:39

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0511	0.0500	102	74-124	
Dibromofluoromethane	0.0201	0.0500	40	75-131	**
1,2-Dichloroethane-D4	0.0513	0.0500	103	63-144	
Toluene-D8	0.0507	0.0500	101	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 796100 **Sample:** 363151-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 17:20

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0524	0.0500	105	74-124	
Dibromofluoromethane	0.0475	0.0500	95	75-131	
1,2-Dichloroethane-D4	0.0457	0.0500	91	63-144	
Toluene-D8	0.0495	0.0500	99	80-117	

Lab Batch #: 796100 **Sample:** 363151-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 17:45

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0470	0.0500	94	74-124	
Dibromofluoromethane	0.0509	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0490	0.0500	98	63-144	
Toluene-D8	0.0507	0.0500	101	80-117	

Lab Batch #: 796100 **Sample:** 363151-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 18:09

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0549	0.0500	110	74-124	
Dibromofluoromethane	0.0490	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0467	0.0500	93	63-144	
Toluene-D8	0.0483	0.0500	97	80-117	

Lab Batch #: 796100 **Sample:** 363151-014 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 18:34

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0477	0.0500	95	74-124	
Dibromofluoromethane	0.0507	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0511	0.0500	102	63-144	
Toluene-D8	0.0489	0.0500	98	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 796100 **Sample:** 363151-015 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 18:59

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0522	0.0500	104	74-124	
Dibromofluoromethane	0.0521	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0490	0.0500	98	63-144	
Toluene-D8	0.0509	0.0500	102	80-117	

Lab Batch #: 796100 **Sample:** 363151-016 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 19:23

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	74-124	
Dibromofluoromethane	0.0521	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0496	0.0500	99	63-144	
Toluene-D8	0.0516	0.0500	103	80-117	

Lab Batch #: 796100 **Sample:** 363151-017 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 19:48

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0539	0.0500	108	74-124	
Dibromofluoromethane	0.0516	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0514	0.0500	103	63-144	
Toluene-D8	0.0539	0.0500	108	80-117	

Lab Batch #: 796100 **Sample:** 363151-018 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 20:13

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	74-124	
Dibromofluoromethane	0.0474	0.0500	95	75-131	
1,2-Dichloroethane-D4	0.0472	0.0500	94	63-144	
Toluene-D8	0.0498	0.0500	100	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 796100 **Sample:** 363151-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 20:38

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0501	0.0500	100	74-124	
Dibromofluoromethane	0.0499	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0482	0.0500	96	63-144	
Toluene-D8	0.0528	0.0500	106	80-117	

Lab Batch #: 796138 **Sample:** 551784-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 23:08

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0457	0.0500	91	74-124	
Dibromofluoromethane	0.0511	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0493	0.0500	99	63-144	
Toluene-D8	0.0508	0.0500	102	80-117	

Lab Batch #: 796138 **Sample:** 551784-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 00:23

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0482	0.0500	96	74-124	
Dibromofluoromethane	0.0503	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0462	0.0500	92	63-144	
Toluene-D8	0.0492	0.0500	98	80-117	

Lab Batch #: 796138 **Sample:** 363151-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 00:48

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0497	0.0500	99	74-124	
Dibromofluoromethane	0.0527	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0484	0.0500	97	63-144	
Toluene-D8	0.0479	0.0500	96	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151, **Project ID:** 49194426

Lab Batch #: 796138 **Sample:** 363151-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 01:14

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0528	0.0500	106	74-124	
Dibromofluoromethane	0.0482	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0493	0.0500	99	63-144	
Toluene-D8	0.0520	0.0500	104	80-117	

Lab Batch #: 796138 **Sample:** 363151-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 01:39

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0481	0.0500	96	74-124	
Dibromofluoromethane	0.0505	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0481	0.0500	96	63-144	
Toluene-D8	0.0493	0.0500	99	80-117	

Lab Batch #: 796138 **Sample:** 363151-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 02:29

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0468	0.0500	94	74-124	
Dibromofluoromethane	0.0498	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0491	0.0500	98	63-144	
Toluene-D8	0.0505	0.0500	101	80-117	

Lab Batch #: 796138 **Sample:** 363151-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 02:54

BTEX and Oxygenates by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0543	0.0500	109	74-124	
Dibromofluoromethane	0.0501	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0499	0.0500	100	63-144	
Toluene-D8	0.0502	0.0500	100	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 796138 **Sample:** 363151-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 03:20

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0517	0.0500	103	74-124	
Dibromofluoromethane	0.0500	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0480	0.0500	96	63-144	
Toluene-D8	0.0523	0.0500	105	80-117	

Lab Batch #: 796138 **Sample:** 363151-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 03:45

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	74-124	
Dibromofluoromethane	0.0515	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0487	0.0500	97	63-144	
Toluene-D8	0.0493	0.0500	99	80-117	

Lab Batch #: 796138 **Sample:** 363151-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 04:10

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0500	0.0500	100	74-124	
Dibromofluoromethane	0.0535	0.0500	107	75-131	
1,2-Dichloroethane-D4	0.0460	0.0500	92	63-144	
Toluene-D8	0.0522	0.0500	104	80-117	

Lab Batch #: 796138 **Sample:** 363151-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 04:35

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	
Dibromofluoromethane	0.0542	0.0500	108	75-131	
1,2-Dichloroethane-D4	0.0542	0.0500	108	63-144	
Toluene-D8	0.0513	0.0500	103	80-117	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 796138 **Sample:** 363151-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 05:00

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0540	0.0500	108	74-124	
Dibromofluoromethane	0.0541	0.0500	108	75-131	
1,2-Dichloroethane-D4	0.0531	0.0500	106	63-144	
Toluene-D8	0.0482	0.0500	96	80-117	

Lab Batch #: 796138 **Sample:** 363151-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/02/10 05:26

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0492	0.0500	98	74-124	
Dibromofluoromethane	0.0529	0.0500	106	75-131	
1,2-Dichloroethane-D4	0.0492	0.0500	98	63-144	
Toluene-D8	0.0527	0.0500	105	80-117	

Lab Batch #: 795834 **Sample:** 551291-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 00:36

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.050	82	43-116	
2-Fluorophenol	0.033	0.050	66	21-100	
Nitrobenzene-d5	0.045	0.050	90	35-114	
Phenol-d6	0.022	0.050	44	10-94	
Terphenyl-D14	0.045	0.050	90	33-141	
2,4,6-Tribromophenol	0.040	0.050	80	10-123	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 551291-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 01:00

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.050	90	43-116	
2-Fluorophenol	0.032	0.050	64	21-100	
Nitrobenzene-d5	0.047	0.050	94	35-114	
Phenol-d6	0.024	0.050	48	10-94	
Terphenyl-D14	0.044	0.050	88	33-141	
2,4,6-Tribromophenol	0.046	0.050	92	10-123	

Lab Batch #: 795834 **Sample:** 551291-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 01:24

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	43-116	
2-Fluorophenol	0.037	0.050	74	21-100	
Nitrobenzene-d5	0.047	0.050	94	35-114	
Phenol-d6	0.029	0.050	58	10-94	
Terphenyl-D14	0.045	0.050	90	33-141	
2,4,6-Tribromophenol	0.047	0.050	94	10-123	

Lab Batch #: 795834 **Sample:** 363151-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 01:47

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.037	0.051	73	43-116	
2-Fluorophenol	0.023	0.051	45	21-100	
Nitrobenzene-d5	0.042	0.051	82	35-114	
Phenol-d6	0.013	0.051	25	10-94	
Terphenyl-D14	0.042	0.051	82	33-141	
2,4,6-Tribromophenol	0.039	0.051	76	10-123	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 363151-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 13:19

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.051	80	43-116	
2-Fluorophenol	0.024	0.051	47	21-100	
Nitrobenzene-d5	0.047	0.051	92	35-114	
Phenol-d6	0.013	0.051	25	10-94	
Terphenyl-D14	0.047	0.051	92	33-141	
2,4,6-Tribromophenol	0.043	0.051	84	10-123	

Lab Batch #: 795834 **Sample:** 363151-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 13:43

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.040	0.054	74	43-116	
2-Fluorophenol	0.027	0.054	50	21-100	
Nitrobenzene-d5	0.047	0.054	87	35-114	
Phenol-d6	0.015	0.054	28	10-94	
Terphenyl-D14	0.049	0.054	91	33-141	
2,4,6-Tribromophenol	0.042	0.054	78	10-123	

Lab Batch #: 795834 **Sample:** 363151-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 14:07

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.055	76	43-116	
2-Fluorophenol	0.028	0.055	51	21-100	
Nitrobenzene-d5	0.050	0.055	91	35-114	
Phenol-d6	0.015	0.055	27	10-94	
Terphenyl-D14	0.052	0.055	95	33-141	
2,4,6-Tribromophenol	0.044	0.055	80	10-123	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 363151-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 14:31

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.053	79	43-116	
2-Fluorophenol	0.026	0.053	49	21-100	
Nitrobenzene-d5	0.047	0.053	89	35-114	
Phenol-d6	0.014	0.053	26	10-94	
Terphenyl-D14	0.049	0.053	92	33-141	
2,4,6-Tribromophenol	0.042	0.053	79	10-123	

Lab Batch #: 795834 **Sample:** 363151-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 14:55

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.054	76	43-116	
2-Fluorophenol	0.027	0.054	50	21-100	
Nitrobenzene-d5	0.047	0.054	87	35-114	
Phenol-d6	0.015	0.054	28	10-94	
Terphenyl-D14	0.047	0.054	87	33-141	
2,4,6-Tribromophenol	0.041	0.054	76	10-123	

Lab Batch #: 795834 **Sample:** 363151-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 15:18

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.052	79	43-116	
2-Fluorophenol	0.026	0.052	50	21-100	
Nitrobenzene-d5	0.047	0.052	90	35-114	
Phenol-d6	0.014	0.052	27	10-94	
Terphenyl-D14	0.046	0.052	88	33-141	
2,4,6-Tribromophenol	0.039	0.052	75	10-123	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 363151-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 15:42

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.053	77	43-116	
2-Fluorophenol	0.026	0.053	49	21-100	
Nitrobenzene-d5	0.048	0.053	91	35-114	
Phenol-d6	0.014	0.053	26	10-94	
Terphenyl-D14	0.046	0.053	87	33-141	
2,4,6-Tribromophenol	0.040	0.053	75	10-123	

Lab Batch #: 795834 **Sample:** 363151-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 16:06

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.054	78	43-116	
2-Fluorophenol	0.023	0.054	43	21-100	
Nitrobenzene-d5	0.046	0.054	85	35-114	
Phenol-d6	0.016	0.054	30	10-94	
Terphenyl-D14	0.048	0.054	89	33-141	
2,4,6-Tribromophenol	0.045	0.054	83	10-123	

Lab Batch #: 795834 **Sample:** 363151-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 16:30

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.040	0.050	80	43-116	
2-Fluorophenol	0.023	0.050	46	21-100	
Nitrobenzene-d5	0.046	0.050	92	35-114	
Phenol-d6	0.015	0.050	30	10-94	
Terphenyl-D14	0.045	0.050	90	33-141	
2,4,6-Tribromophenol	0.043	0.050	86	10-123	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 363151-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 16:54

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.034	0.050	68	43-116	
2-Fluorophenol	0.022	0.050	44	21-100	
Nitrobenzene-d5	0.040	0.050	80	35-114	
Phenol-d6	0.014	0.050	28	10-94	
Terphenyl-D14	0.040	0.050	80	33-141	
2,4,6-Tribromophenol	0.039	0.050	78	10-123	

Lab Batch #: 795834 **Sample:** 363151-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 17:18

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.035	0.053	66	43-116	
2-Fluorophenol	0.020	0.053	38	21-100	
Nitrobenzene-d5	0.041	0.053	77	35-114	
Phenol-d6	0.011	0.053	21	10-94	
Terphenyl-D14	0.042	0.053	79	33-141	
2,4,6-Tribromophenol	0.037	0.053	70	10-123	

Lab Batch #: 795834 **Sample:** 363151-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 17:41

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.029	0.051	57	43-116	
2-Fluorophenol	0.018	0.051	35	21-100	
Nitrobenzene-d5	0.041	0.051	80	35-114	
Phenol-d6	0.012	0.051	24	10-94	
Terphenyl-D14	0.039	0.051	76	33-141	
2,4,6-Tribromophenol	0.034	0.051	67	10-123	

* Surrogate outside of Laboratory QC limits
** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 363151-014 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 18:05

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.032	0.052	62	43-116	
2-Fluorophenol	0.023	0.052	44	21-100	
Nitrobenzene-d5	0.042	0.052	81	35-114	
Phenol-d6	0.012	0.052	23	10-94	
Terphenyl-D14	0.043	0.052	83	33-141	
2,4,6-Tribromophenol	0.038	0.052	73	10-123	

Lab Batch #: 795834 **Sample:** 363151-015 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 18:29

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.039	0.052	75	43-116	
2-Fluorophenol	0.023	0.052	44	21-100	
Nitrobenzene-d5	0.040	0.052	77	35-114	
Phenol-d6	0.014	0.052	27	10-94	
Terphenyl-D14	0.043	0.052	83	33-141	
2,4,6-Tribromophenol	0.039	0.052	75	10-123	

Lab Batch #: 795834 **Sample:** 363151-016 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 18:52

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.039	0.050	78	43-116	
2-Fluorophenol	0.022	0.050	44	21-100	
Nitrobenzene-d5	0.042	0.050	84	35-114	
Phenol-d6	0.011	0.050	22	10-94	
Terphenyl-D14	0.044	0.050	88	33-141	
2,4,6-Tribromophenol	0.041	0.050	82	10-123	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363151,

Project ID: 49194426

Lab Batch #: 795834 **Sample:** 363151-017 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/26/10 19:16

SVOA PAHs List by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.034	0.052	65	43-116	
2-Fluorophenol	0.023	0.052	44	21-100	
Nitrobenzene-d5	0.047	0.052	90	35-114	
Phenol-d6	0.013	0.052	25	10-94	
Terphenyl-D14	0.042	0.052	81	33-141	
2,4,6-Tribromophenol	0.042	0.052	81	10-123	

* Surrogate outside of Laboratory QC limits

** 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.

XENCO Laboratories

Blank Spike Recovery

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Project Name: EQPL Basin Jal Pump Station

Work Order #: 363151 **Project ID:** 49194426

Lab Batch #: 796100 **Sample:** 551770-1-BKS **Matrix:** Water

Date Analyzed: 03/01/2010 **Date Prepared:** 03/01/2010 **Analyst:** CAA

Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX and Oxygenates by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Methyl tert butyl Ether	ND	0.5000	0.5123	102	65-135	
Benzene	ND	0.1000	0.1052	105	66-142	
Toluene	ND	0.1000	0.0931	93	59-139	
Ethylbenzene	ND	0.1000	0.0980	98	75-125	
m,p-Xylenes	ND	0.2000	0.1835	92	75-125	
o-Xylene	ND	0.1000	0.1007	101	75-125	
tert-Amyl methyl Ether	ND	0.500	0.550	110	65-135	
tert-butyl alcohol	ND	1.00	1.13	113	65-135	
Ethyl tert butyl Ether	ND	0.500	0.540	108	65-135	
Diisopropyl Ether	ND	0.500	0.510	102	65-135	

Lab Batch #: 796138 **Sample:** 551784-1-BKS **Matrix:** Water

Date Analyzed: 03/02/2010 **Date Prepared:** 03/01/2010 **Analyst:** CAA

Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX and Oxygenates by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Methyl tert butyl Ether	ND	0.5000	0.5128	103	65-135	
Benzene	ND	0.1000	0.0929	93	66-142	
Toluene	ND	0.1000	0.0918	92	59-139	
Ethylbenzene	ND	0.1000	0.0961	96	75-125	
m,p-Xylenes	ND	0.2000	0.1925	96	75-125	
o-Xylene	ND	0.1000	0.1025	103	75-125	
tert-Amyl methyl Ether	ND	0.500	0.520	104	65-135	
tert-butyl alcohol	ND	1.00	1.12	112	65-135	
Ethyl tert butyl Ether	ND	0.500	0.524	105	65-135	
Diisopropyl Ether	ND	0.500	0.498	100	65-135	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363151 **Project ID:** 49194426

Lab Batch #: 796623 **Sample:** 551702-1-BKS **Matrix:** Water

Date Analyzed: 03/04/2010 **Date Prepared:** 03/01/2010 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1

Dissolved Metals by SW6020A Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
			BLANK /BLANK SPIKE RECOVERY STUDY			
Arsenic	ND	0.050	0.054	108	75-125	
Barium	ND	0.050	0.054	108	75-125	
Cadmium	ND	0.020	0.021	105	75-125	
Chromium	ND	0.050	0.055	110	75-125	
Lead	ND	0.050	0.055	110	75-125	
Selenium	ND	0.050	0.050	100	75-125	
Silver	ND	0.020	0.021	105	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363151 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 02/25/2010 **Date Analyzed:** 02/25/2010

Lab Batch ID: 795495 **Sample:** 795495-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by SW-846 7470A 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
Dissolved Mercury	ND	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+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

XENCO Laboratories

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363151 **Project ID:** 49194426

Analyst: KAN **Date Prepared:** 02/24/2010 **Date Analyzed:** 02/26/2010

Lab Batch ID: 795834 **Sample:** 551291-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

SVOA PAHs List by EPA 8270C 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
Acenaphthene	ND	0.050	0.045	90	0.05	0.046	92	2	54-114	25	
Acenaphthylene	ND	0.050	0.045	90	0.05	0.047	94	4	53-113	25	
Anthracene	ND	0.050	0.048	96	0.05	0.049	98	2	56-116	25	
Benzo(a)anthracene	ND	0.050	0.046	92	0.05	0.048	96	4	59-116	25	
Benzo(a)pyrene	ND	0.050	0.047	94	0.05	0.049	98	4	58-118	25	
Benzo(b)fluoranthene	ND	0.050	0.048	96	0.05	0.046	92	4	54-123	25	
Benzo(k)fluoranthene	ND	0.050	0.048	96	0.05	0.051	102	6	52-122	25	
Benzo(g,h,i)perylene	ND	0.050	0.041	82	0.05	0.041	82	0	47-129	25	
Chrysene	ND	0.050	0.046	92	0.05	0.047	94	2	58-116	25	
Dibenz(a,h)Anthracene	ND	0.050	0.045	90	0.05	0.044	88	2	46-131	25	
Fluoranthene	ND	0.050	0.049	98	0.05	0.050	100	2	55-120	25	
Fluorene	ND	0.050	0.045	90	0.05	0.047	94	4	56-114	25	
Indeno(1,2,3-c,d)Pyrene	ND	0.050	0.045	90	0.05	0.046	92	2	44-132	25	
1-Methylnaphthalene	ND	0.050	0.043	86	0.05	0.045	90	5	47-113	25	
2-Methylnaphthalene	ND	0.050	0.043	86	0.05	0.045	90	5	57-106	25	
Naphthalene	ND	0.050	0.044	88	0.05	0.045	90	2	53-110	25	
Phenanthrene	ND	0.050	0.047	94	0.05	0.048	96	2	56-116	25	
Pyrene	ND	0.050	0.045	90	0.05	0.047	94	4	57-119	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 363151 **Project ID:** 49194426

Lab Batch ID: 796100 **QC- Sample ID:** 363271-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/01/2010 **Date Prepared:** 03/01/2010 **Analyst:** CAA

Reporting Units: mg/L

BTEX and Oxygenates by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Methyl tert butyl Ether	ND	0.5000	0.4936	99	0.5000	0.4845	97	2	65-135	20	
Benzene	ND	0.1000	0.0932	93	0.1000	0.0938	94	1	66-142	20	
Toluene	ND	0.1000	0.0953	95	0.1000	0.0888	89	7	59-139	20	
Ethylbenzene	ND	0.1000	0.0980	98	0.1000	0.0995	100	2	75-125	20	
m,p-Xylenes	ND	0.2000	0.2047	102	0.2000	0.1982	99	3	75-125	20	
o-Xylene	ND	0.1000	0.1039	104	0.1000	0.1064	106	2	75-125	20	
tert-Amyl methyl Ether	ND	0.500	0.508	102	0.500	0.518	104	2	65-135	20	
tert-butyl alcohol	ND	1.00	1.08	108	1.00	1.02	102	6	65-135	20	
Ethyl tert butyl Ether	ND	0.500	0.501	100	0.500	0.515	103	3	65-135	20	
Diisopropyl Ether	ND	0.500	0.461	92	0.500	0.493	99	7	65-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 363151 **Project ID:** 49194426

Lab Batch ID: 796138 **QC- Sample ID:** 363151-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/02/2010 **Date Prepared:** 03/01/2010 **Analyst:** CAA

Reporting Units: mg/L

BTEX and Oxygenates by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Methyl tert butyl Ether	ND	0.5000	0.5473	109	0.5000	0.5042	101	8	65-135	20	
Benzene	ND	0.1000	0.1019	102	0.1000	0.0944	94	8	66-142	20	
Toluene	ND	0.1000	0.1008	101	0.1000	0.0930	93	8	59-139	20	
Ethylbenzene	ND	0.1000	0.1121	112	0.1000	0.0917	92	20	75-125	20	
m,p-Xylenes	ND	0.2000	0.2236	112	0.2000	0.1920	96	15	75-125	20	
o-Xylene	ND	0.1000	0.1144	114	0.1000	0.0985	99	15	75-125	20	
tert-Amyl methyl Ether	ND	0.500	0.547	109	0.500	0.521	104	5	65-135	20	
tert-butyl alcohol	ND	1.00	1.18	118	1.00	1.13	113	4	65-135	20	
Ethyl tert butyl Ether	ND	0.500	0.574	115	0.500	0.544	109	5	65-135	20	
Diisopropyl Ether	ND	0.500	0.523	105	0.500	0.516	103	1	65-135	20	

Lab Batch ID: 795495 **QC- Sample ID:** 363151-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/25/2010 **Date Prepared:** 02/25/2010 **Analyst:** LATCOR

Reporting Units: mg/L

Dissolved Mercury by SW-846 7470A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Dissolved Mercury	ND	0.0010	0.0010	100	0.0010	0.0010	100	0	75-125	20	

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

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

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 363151 **Project ID:** 49194426

Lab Batch ID: 796623 **QC- Sample ID:** 363151-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/04/2010 **Date Prepared:** 03/01/2010 **Analyst:** HAT

Reporting Units: mg/L

Dissolved Metals by SW6020A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Arsenic	0.015	0.050	0.069	108	0.050	0.070	110	1	75-125	25	
Barium	0.023	0.050	0.078	110	0.050	0.080	114	3	75-125	25	
Cadmium	ND	0.020	0.020	100	0.020	0.021	105	5	75-125	25	
Chromium	ND	0.050	0.058	116	0.050	0.058	116	0	75-125	25	
Lead	ND	0.050	0.057	114	0.050	0.057	114	0	75-125	25	
Selenium	0.013	0.050	0.065	104	0.050	0.068	110	5	75-125	25	
Silver	ND	0.020	0.020	100	0.020	0.020	100	0	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

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

XENCO Laboratories

Sample Duplicate Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363151

Lab Batch #: 796623 **Project ID:** 49194426

Date Analyzed: 03/04/2010 **Date Prepared:** 03/01/2010 **Analyst:** HAT

QC- Sample ID: 363151-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Dissolved Metals by SW6020A	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.015	0.016	6	25	
Barium	0.023	0.023	0	25	
Cadmium	ND	ND	NC	25	
Chromium	ND	ND	NC	25	
Lead	ND	ND	NC	25	
Selenium	0.013	0.013	0	25	
Silver	ND	ND	NC	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☑ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Kenneth Springer

INCIDENT # (ENV SERVICES): 3 0 0 1 4 3

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/22/10

PAGE: 1 of 2

PO #

SAP #: 7 2 0 8 0 3 7

CONSULTANT COMPANY: URS Corporation

ADDRESS: 7720 N. 16th Street, Suite 100

CITY: Phoenix, AZ 85020

TELEPHONE: (602) 648-2402 FAX: (602) 371-1615 E-MAIL: iain.olness@urscorp.com

SITE ADDRESS (Street, City and State): EQPL Basin Jal Pump Station

CONSULTANT PROJECT CONTACT (Report to): Iain Olness

CONSULTANT PROJECT NO.: 49194426

SAMPLER NAME(S) (Print): John Savoie

LAB USE ONLY: 363151

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 1.6 °C | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2altd.com

Metals samples were field filtered.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB NO.	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	Oxygenates (5) 8260	Dissolved Metals(5) 6010B/Mercury 7470A	PAH 8270	Container PID Readings or Laboratory Notes
01	MW-01	2/20/10	930	WATER	X	X				5	X	X	X	X	
02	MW-05	2/20/10	1036	WATER	X	X				5	X	X	X	X	
03	MW-11	2/20/10	1155	WATER	X	X				6	X	X	X	X	
04	MW-15	2/20/10	1359	WATER	X	X				5	X	X	X	X	
05	MW-13	2/20/10	1511	WATER	X	X				5	X	X	X	X	
06	MW-18	2/20/10	1622	WATER	X	X				5	X	X	X	X	
07	MW-17	2/21/10	854	WATER	X	X				5	X	X	X	X	
08	MW-21	2/21/10	954	WATER	X	X				5	X	X	X	X	
09	MW-10	2/21/10	1118	WATER	X	X				5	X	X	X	X	
10	MW-03	2/21/10	1332	WATER	X	X				5	X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 2-22-10	Time: 1610
Relinquished by: (Signature)	Received by: (Signature)	Date: 2/23/10	Time: 0935
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☑ SHELL PIPELINE ☑ OTHER _____

Print Bill To Contact Name: Kenneth Springer

INCIDENT # (ENV SERVICES): 3 0 0 1 4 3 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/22/10

PAGE: 2 of 2

PO #:

SAP #: 7 2 0 8 0 3 7

CONSULTANT COMPANY: URS Corporation

ADDRESS: 7720 N. 16th Street, Suite 100

CITY: Phoenix, AZ 85020

TELEPHONE: (602) 648-2402 FAX: (602) 371-1615 E-MAIL: iain_olness@urscorp.com

SITE ADDRESS (Street, City and State): EQPL Basin Jal Pump Station

CONSULTANT PROJECT CONTACT (Report to): Iain Olness

CONSULTANT PROJECT NO.: 49194426

SAMPLER NAME(S) (Print): John Savoie

LAB USE ONLY: 363151

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 1.6 °C | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2altd.com

Metals samples were field filtered.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	Oxygenates (5) 8260	Dissolved Metals(5) 6010B/Mercury 7470A	PAH 8270	Container PID Readings or Laboratory Notes
11	MW-24	2/21/10	1535	WATER	X	X				5	X	X	X	X	
12	MW-23	2/21/10	1734	WATER	X	X				5	X	X	X	X	
13	MW-04	2/22/10	852	WATER	X	X				5	X	X	X	X	
14	MW-22	2/22/10	958	WATER	X	X				5	X	X	X	X	
15	MW-08	2/22/10	1140	WATER	X	X				5	X	X	X	X	
16	MW-02	2/22/10	1354	WATER	X	X				5	X	X	X	X	
17	MW-09	2/22/10	1519	WATER	X	X				5	X	X	X	X	
18	Trip Blank			WATER	X					3	X	X			

		Date:	Time:
Relinquished by: (Signature) John Savoie	Received by: (Signature)	2-22-10	1610
Relinquished by: (Signature)	Received by: (Signature) Andrea Sam	2/23/10	0935
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: URS Corporation

Date/ Time: 2.23.10 9:35

Lab ID #: 363151

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.6 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#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 ELOT?	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: Everything but Dissolved Hg subbed to Xenco-Houston.

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

Analytical Report 363450

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

11-MAR-10

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (CLIA Lab code T 00122)
Texas (T104704215-TX) Arizona (AZ 073) Arkansas (09-039-0) Connecticut (PH-0102) Florida (E71002)
Illinois (002012) Indiana (C-TX-02) Iowa (392) Kansas (E-10310) Kentucky (45) Louisiana (03054)
New Hampshire (297402) New Jersey (TX007) New York (11763) Oklahoma (9210) Pennsylvania (68-03610)
Rhode Island (LA 00312) USDA (S-44102)

Xenco-Atlanta (CLIA Lab Code AA00046)
Florida (E87429) North Carolina (483) South Carolina (96015) Utah (AAL 1) West Virginia (362) Kentucky (95)
Louisiana (04176) USDA (P330-07-00105)

Xenco-Miami (CLIA Lab code AL01152) Florida (E86760) Maryland (330)
Xenco-Tampa Mobile (CLIA Lab code AL01212) Florida (E84900)
Xenco-Odessa (CLIA Lab code T 00150) Texas (T104704400-TX)
Xenco-Dallas (CLIA Lab code T 00146) Texas (T104704295-TX)
Xenco-Corpus Christi (CLIA Lab code T 02613) Texas (T104704370)
Xenco-Boca Raton (CLIA Lab Code AL00449)
Florida(E86240) South Carolina(96031001) Louisiana(04154) Georgia(917)
North Carolina(444) Texas(T10470446-TX) Illinois(002295)

XENCO Laboratories

11-MAR-10

Project Manager: **Iain Olness**
URS Corporation
7720 N. 16th St. Suite100
Phoenix, AZ 85020

Reference: XENCO Report No: **363450**
EQPL Basin Jal Pump Station
Project Address: New Mexico

Iain Olness:

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 363450. 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. 363450 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,

Carlos Castro
Managing Director, Texas

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 - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 363450

URS Corporation, Phoenix, AZ

QPL Basin al Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-19	W	eb-24-10 0 46		363450-001
MW-06	W	eb-24-10 10 02		363450-002
MW-20	W	eb-24-10 11 23		363450-003
MW-1	W	eb-24-10 13 50		363450-004
MW-12	W	eb-24-10 16 55		363450-005
MW-14	W	eb-24-10 15 31		363450-006
Trip Blank	W	eb-24-10 00 00		363450-007

CASE NARRATIVE

XENCO Laboratories

Client Name: URS Corporation
Project Name: EQPL Basin Jal Pump Station

Project ID: 49194426 *Report Date:* 11-MAR-10
Work Order Number: 363450 *Date Received:* 02/25/2010

Sample receipt non conformances and Comments:
None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-795498 Dissolved Mercury by SW-846 7470A
None

Batch: LBA-796099 SVOA PAHs List by SW-846 8270C
SW8270C

Batch 796099, Phenol-d6 recovered below QC limits . Matrix interferences is suspected.
Samples affected are: 363450-003 and -006.
2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, and Terphenyl-D14 recovered below QC limits . Matrix interferences is suspected.
Samples affected are: 363450-006.

Batch: LBA-796519 BTEX, Ethanol and Oxygenates by SW 8260B
None

Batch: LBA-796666 Dissolved Metals by SW6020A
SW6020

Batch 796666, Barium recovered below QC limits in the Matrix Spike.
Samples affected are: 363450-001.
The Laboratory Control Sample for Barium is within laboratory Control Limits

Batch: LBA-796894 Volatiles by SW 8260B
None

XENCO Laboratories

Certificate of Analysis Summary 363450

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: ain lness
Project Location: New Me ico

Date Received in Lab: Thu eb-25-10 09 13 am
Report Date: 11-MAR-10
Project Manager: Bethan Agarwal

Analysis Requested	*Lab Id:*	363450-001		363450-002		363450-003		363450-004		363450-005		363450-006	
	Field Id:	MW-19		MW-06		MW-20		MW-1		MW-12		MW-14	
	Depth:												
	Matrix:	WAT R		WAT R		WAT R		WAT R		WAT R		WAT R	
	Sampled:	eb-24-10 0 46		eb-24-10 10 02		eb-24-10 11 23		eb-24-10 13 50		eb-24-10 16 55		eb-24-10 15 31	
BTEX and Oxygenates by SW 8260B SUB: T104704215-TX	*Extracted:*	Mar-05-10 10 44		Mar-05-10 10 46		Mar-05-10 10 4		Mar-05-10 10 50		Mar-05-10 10 52		Mar-05-10 10 54	
	Analyzed:	Mar-05-10 16 22		Mar-05-10 16 4		Mar-05-10 17 3		Mar-05-10 17 3		Mar-05-10 1 03		Mar-05-10 1 29	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Meth tert but ther		ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Ben ene		0.0046	0.0010	0.0100	0.0010	0.0232	0.0010	0.0305	0.0010	ND	0.0010	0.0023	0.0010
Toluene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
th ben ene		0.0463	0.0010	0.0053	0.0010	0.022	0.0010	0.0 23	0.0010	ND	0.0010	0.0025	0.0010
m p- enes		0.0176	0.0020	ND	0.0020	0.006	0.0020	0.0071	0.0020	ND	0.0020	0.0054	0.0020
o- ene		0.0191	0.0010	0.0029	0.0010	0.0024	0.0010	0.0059	0.0010	0.0020	0.0010	0.0075	0.0010
tert-Am meth ther		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
tert-but alcohol		ND	0.010	ND	0.010	0.023	0.010	0.031	0.010	ND	0.010	ND	0.010
th tert but ther		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Diisoprop ther		ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Dissolved Mercury by SW-846 7470A	*Extracted:*												
	Analyzed:	eb-25-10 13 45		eb-25-10 13 45		eb-25-10 13 45		eb-25-10 13 45		eb-25-10 13 45		eb-25-10 13 45	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Dissolved Mercur		ND	0.0001	ND	0.0001	0.0090	0.0001	0.0001	0.0001	ND	0.0001	ND	0.0001
Dissolved Metals by SW6020A SUB: T104704215-TX	*Extracted:*	Mar-03-10 13 35		Mar-03-10 13 35		Mar-03-10 13 35		Mar-03-10 13 35		Mar-03-10 13 35		Mar-03-10 13 35	
	Analyzed:	Mar-04-10 19 3		Mar-04-10 19 43		Mar-04-10 20 03		Mar-04-10 20 07		Mar-04-10 20 2		Mar-04-10 20 7	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.041	0.002	0.057	0.002	0.065	0.002	0.013	0.002	0.014	0.002	0.017	0.002
Barium		1.27	0.005	0.637	0.005	4.3	0.005	2.04	0.005	0.234	0.005	0.196	0.005
Cadmium		ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001
Chromium		ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003
Lead		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002
Selenium		ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003
Silver		ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002

Carlos Castro
Managing Director Te as

Final Ver. 1.000

XENCO Laboratories

Certificate of Analysis Summary 363450

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: [ain [lness
Project Location: New Me[ico

Date Received in Lab: Thu [eb-25-10 09[13 am
Report Date: 11-MAR-10
Project Manager: Bethan[Agarwal

Analysis Requested	*Lab Id:*	363450-001		363450-002		363450-003		363450-004		363450-005		363450-006	
	Field Id:	MW-19		MW-06		MW-20		MW-1[		MW-12		MW-14	
	Depth:												
	Matrix:	WAT[R		WAT[R		WAT[R		WAT[R		WAT[R		WAT[R	
	Sampled:	[eb-24-10 0[46		[eb-24-10 10[02		[eb-24-10 11[23		[eb-24-10 13[50		[eb-24-10 16[55		[eb-24-10 15[31	
SVOA PAHs List by EPA 8270C SUB: T104704215-TX	*Extracted:*	[eb-27-10 0[[2[		[eb-27-10 0[[31		[eb-27-10 0[[34		[eb-27-10 0[[37		[eb-27-10 0[[40		[eb-27-10 0[[43	
	Analyzed:	Mar-01-10 14[40		Mar-01-10 15[04		Mar-01-10 15[2[		Mar-01-10 15[52		Mar-01-10 16[16		Mar-01-10 16[39	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Acenaphthene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Acenaphth[lene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Anthracene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Ben[o(a)anthracene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Ben[o(a)p[rene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Ben[o(b)fluoranthene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Ben[o(k)fluoranthene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Ben[o(ghi)per[lene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Chr[sene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Diben[(ah)Anthracene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
[luoranthene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
[luorene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
[ideno(1[2[3-c[d)P[rene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
1-Meth[naphthalene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	1.5[	1.29
2-Meth[naphthalene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	1.32	1.29
Naphthalene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29
Phenanthrene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	1.31	1.29
P[rene		ND	0.101	ND	0.102	ND	0.100	ND	0.101	ND	0.051	ND	1.29

Carlos Castro
Managing Director[Te[as

Final Ver. 1.000

Certificate of Analysis Summary 363450

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: [ain [lness
Project Location: New Me[ico

Date Received in Lab: Thu [eb-25-10 09[3 am
Report Date: 11-MAR-10
Project Manager: Bethan[Agarwal

Analysis Requested							
	Lab Id:	363450-007					
	Field Id:	Trip Blank					
	Depth:						
	Matrix:	WAT[R					
	Sampled:	[eb-24-10 00[00					
BTEX and Oxygenates by SW 8260B SUB: T104704215-TX	***Extracted:***	Mar-03-10 11[30					
	Analyzed:	Mar-03-10 13[06					
	Units/RL:	mg/L RL					
Meth[tert but[[ther		ND 0.0050					
Ben[ene		ND 0.0010					
Toluene		ND 0.0010					
[th[ben[ene		ND 0.0010					
m[p-[[lenes		ND 0.0020					
o-[[lene		ND 0.0010					
tert-Am[meth[[ther		ND 0.005					
tert-but[alcohol		ND 0.010					
[th[tert but[[ther		ND 0.005					
Diisoprop[[ther		ND 0.005					

Carlos Castro
Managing Director[Te[as

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method: Dissolved Metals by SW6020A Client: RS Corporation

Work Order: 363450 Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-19	Feb. 24 2010	Feb. 25 2010	Mar. 3 2010	10	7	Mar.4 2010	10	1	P
MW-06	Feb. 24 2010	Feb. 25 2010	Mar. 3 2010	10	7	Mar.4 2010	10	1	P
MW-20	Feb. 24 2010	Feb. 25 2010	Mar. 3 2010	10	7	Mar.4 2010	10	1	P
MW-10	Feb. 24 2010	Feb. 25 2010	Mar. 3 2010	10	7	Mar.4 2010	10	1	P
MW-12	Feb. 24 2010	Feb. 25 2010	Mar. 3 2010	10	7	Mar.4 2010	10	1	P
MW-14	Feb. 24 2010	Feb. 25 2010	Mar. 3 2010	10	7	Mar.4 2010	10	1	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method: Dissolved Mercury by SW-846 7470A

Client: ARS Corporation

Work Order: 363450

Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-19	Feb. 24, 2010	Feb. 25, 2010				Feb. 25, 2010	20	1	P
MW-20	Feb. 24, 2010	Feb. 25, 2010				Feb. 25, 2010	20	1	P
MW-14	Feb. 24, 2010	Feb. 25, 2010				Feb. 25, 2010	20	1	P
MW-12	Feb. 24, 2010	Feb. 25, 2010				Feb. 25, 2010	20	1	P
MW-06	Feb. 24, 2010	Feb. 25, 2010				Feb. 25, 2010	20	1	P
MW-10	Feb. 24, 2010	Feb. 25, 2010				Feb. 25, 2010	20	1	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method: BTEX and Oxygenates by SW 8260B

Client: ERS Corporation

Work Order: 363450

Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-06	Feb. 24 2010	Feb. 25 2010				Mar.5 2010	14	9	P
MW-20	Feb. 24 2010	Feb. 25 2010				Mar.5 2010	14	9	P
MW-19	Feb. 24 2010	Feb. 25 2010				Mar.5 2010	14	9	P
MW-14	Feb. 24 2010	Feb. 25 2010				Mar.5 2010	14	9	P
Trip Blank	Feb. 24 2010	Feb. 25 2010				Mar.3 2010	14	7	P
MW-12	Feb. 24 2010	Feb. 25 2010				Mar.5 2010	14	9	P
MW-10	Feb. 24 2010	Feb. 25 2010				Mar.5 2010	14	9	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method: SW846 PAHs List by EPA 8270C Client: ARS Corporation

Work Order: 363450 Project ID: 49194426

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-12	Feb. 24 2010	Feb. 25 2010	Feb. 27 2010	7	3	Mar. 1 2010	40	2	P
MW-19	Feb. 24 2010	Feb. 25 2010	Feb. 27 2010	7	3	Mar. 1 2010	40	2	P
MW-06	Feb. 24 2010	Feb. 25 2010	Feb. 27 2010	7	3	Mar. 1 2010	40	2	P
MW-20	Feb. 24 2010	Feb. 25 2010	Feb. 27 2010	7	3	Mar. 1 2010	40	2	P
MW-10	Feb. 24 2010	Feb. 25 2010	Feb. 27 2010	7	3	Mar. 1 2010	40	2	P
MW-14	Feb. 24 2010	Feb. 25 2010	Feb. 27 2010	7	3	Mar. 1 2010	40	2	P

These samples were analyzed outside the recommended holding time.
P Samples analyzed within the recommended holding time.

XENCO Laboratories

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.

JN A combination of the N and the J qualifier. The analysis indicates that the analyte is tentatively identified and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

* Outside of NC Scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796519 **Sample:** 552005-1-B□S / B□S **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/03/10 10□56

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0497	0.0500	99	74-124	
Dibromofluoromethane	0.0499	0.0500	100	75-131	
1□2-Dichloroethane-D4	0.0497	0.0500	99	63-144	
Toluene-D□	0.0515	0.0500	103	□0-117	

Lab Batch #: 796519 **Sample:** 552005-1-BL□ / BL□ **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/03/10 12□17

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0474	0.0500	95	74-124	
Dibromofluoromethane	0.0516	0.0500	103	75-131	
1□2-Dichloroethane-D4	0.0470	0.0500	94	63-144	
Toluene-D□	0.0524	0.0500	105	□0-117	

Lab Batch #: 796519 **Sample:** 363450-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/03/10 13□06

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0527	0.0500	105	74-124	
Dibromofluoromethane	0.0512	0.0500	102	75-131	
1□2-Dichloroethane-D4	0.050□	0.0500	102	63-144	
Toluene-D□	0.0547	0.0500	109	□0-117	

Lab Batch #: 796519 **Sample:** 363612-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/03/10 15□37

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0520	0.0500	104	74-124	
Dibromofluoromethane	0.0495	0.0500	99	75-131	
1□2-Dichloroethane-D4	0.0440	0.0500	□□	63-144	
Toluene-D□	0.04□3	0.0500	97	□0-117	

* Surrogate outside of Laborator□QC limits

** Surrogates outside limits□data and surrogates confirmed b□reanal□sis

*** Poor recoveries due to dilution

Surrogate Recover□□D□□ 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796519 **Sample:** 363612-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/03/10 16□02

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0541	0.0500	10□	74-124	
Dibromofluoromethane	0.0491	0.0500	9□	75-131	
1□2-Dichloroethane-D4	0.0454	0.0500	91	63-144	
Toluene-D□	0.0492	0.0500	9□	□0-117	

Lab Batch #: 796□94 **Sample:** 552256-1-B□S / B□S **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 10□56

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0520	0.0500	104	74-124	
Dibromofluoromethane	0.050□	0.0500	102	75-131	
1□2-Dichloroethane-D4	0.0433	0.0500	□7	63-144	
Toluene-D□	0.0510	0.0500	102	□0-117	

Lab Batch #: 796□94 **Sample:** 552256-1-BL□ / BL□ **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 12□11

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.050□	0.0500	102	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1□2-Dichloroethane-D4	0.051□	0.0500	104	63-144	
Toluene-D□	0.0507	0.0500	101	□0-117	

Lab Batch #: 796□94 **Sample:** 362952-020 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 13□51

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0493	0.0500	99	74-124	
Dibromofluoromethane	0.0507	0.0500	101	75-131	
1□2-Dichloroethane-D4	0.0492	0.0500	9□	63-144	
Toluene-D□	0.0514	0.0500	103	□0-117	

* Surrogate outside of Laborator□QC limits

** Surrogates outside limits□data and surrogates confirmed b□reanal□sis

*** Poor recoveries due to dilution

Surrogate Recover□□D□□ 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796□94 **Sample:** 362952-020 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 14□6

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.049□	0.0500	100	74-124	
Dibromofluoromethane	0.0523	0.0500	105	75-131	
1□2-Dichloroethane-D4	0.0496	0.0500	99	63-144	
Toluene-D□	0.0521	0.0500	104	□0-117	

Lab Batch #: 796□94 **Sample:** 363450-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 16□2

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0534	0.0500	107	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1□2-Dichloroethane-D4	0.0465	0.0500	93	63-144	
Toluene-D□	0.04□5	0.0500	97	□0-117	

Lab Batch #: 796□94 **Sample:** 363450-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 16□4□

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.04□6	0.0500	97	74-124	
Dibromofluoromethane	0.0525	0.0500	105	75-131	
1□2-Dichloroethane-D4	0.0520	0.0500	104	63-144	
Toluene-D□	0.0512	0.0500	102	□0-117	

Lab Batch #: 796□94 **Sample:** 363450-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 17□3

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.051□	0.0500	104	74-124	
Dibromofluoromethane	0.0520	0.0500	104	75-131	
1□2-Dichloroethane-D4	0.0516	0.0500	103	63-144	
Toluene-D□	0.0524	0.0500	105	□0-117	

* Surrogate outside of Laborator□QC limits
** Surrogates outside limits□data and surrogates confirmed b□reanal□sis
*** Poor recoveries due to dilution
Surrogate Recover□□D□□ 100 * A / B
All results are based on MDL and validated for QC purposes.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796□94 **Sample:** 363450-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 17□3□

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0532	0.0500	106	74-124	
Dibromofluoromethane	0.0526	0.0500	105	75-131	
1□2-Dichloroethane-D4	0.0499	0.0500	100	63-144	
Toluene-D□	0.0501	0.0500	100	□0-117	

Lab Batch #: 796□94 **Sample:** 363450-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 1□□03

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0525	0.0500	105	74-124	
Dibromofluoromethane	0.0526	0.0500	105	75-131	
1□2-Dichloroethane-D4	0.0500	0.0500	100	63-144	
Toluene-D□	0.0514	0.0500	103	□0-117	

Lab Batch #: 796□94 **Sample:** 363450-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/05/10 1□□29

BTEX and Oxygenates by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluoroben□ene	0.0551	0.0500	110	74-124	
Dibromofluoromethane	0.0542	0.0500	10□	75-131	
1□2-Dichloroethane-D4	0.0513	0.0500	103	63-144	
Toluene-D□	0.0522	0.0500	104	□0-117	

* Surrogate outside of Laborator□QC limits

** Surrogates outside limits□data and surrogates confirmed b□reanal□sis

*** Poor recoveries due to dilution

Surrogate Recover□□D□□ 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796099 **Sample:** 551600-1-BL□ / BL□ **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 10□42

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.045	0.050	90	43-116	
2-□luorophenol	0.032	0.050	64	21-100	
Nitroben□ene-d5	0.04□	0.050	96	35-114	
Phenol-d6	0.020	0.050	40	10-94	
Terphen□-D14	0.054	0.050	10□	33-141	
2□6-Tribromophenol	0.043	0.050	□6	10-123	

Lab Batch #: 796099 **Sample:** 551600-1-B□S / B□S **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 11□06

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.039	0.050	7□	43-116	
2-□luorophenol	0.031	0.050	62	21-100	
Nitroben□ene-d5	0.040	0.050	□0	35-114	
Phenol-d6	0.023	0.050	46	10-94	
Terphen□-D14	0.039	0.050	7□	33-141	
2□6-Tribromophenol	0.040	0.050	□0	10-123	

Lab Batch #: 796099 **Sample:** 551600-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 11□30

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.044	0.050	□□	43-116	
2-□luorophenol	0.032	0.050	64	21-100	
Nitroben□ene-d5	0.045	0.050	90	35-114	
Phenol-d6	0.024	0.050	4□	10-94	
Terphen□-D14	0.044	0.050	□□	33-141	
2□6-Tribromophenol	0.046	0.050	92	10-123	

* Surrogate outside of Laborator□QC limits

** Surrogates outside limits□data and surrogates confirmed b□reanal□sis

*** Poor recoveries due to dilution

Surrogate Recover□□D□□ 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796099 **Sample:** 363450-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 14□0

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.042	0.051	□2	43-116	
2-□luorophenol	0.01□	0.051	35	21-100	
Nitroben□ene-d5	0.043	0.051	□4	35-114	
Phenol-d6	0.015	0.051	29	10-94	
Terphen□-D14	0.041	0.051	□0	33-141	
2□6-Tribromophenol	0.043	0.051	□4	10-123	

Lab Batch #: 796099 **Sample:** 363450-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 15□4

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.041	0.051	□0	43-116	
2-□luorophenol	0.022	0.051	43	21-100	
Nitroben□ene-d5	0.046	0.051	90	35-114	
Phenol-d6	0.016	0.051	31	10-94	
Terphen□-D14	0.044	0.051	□6	33-141	
2□6-Tribromophenol	0.045	0.051	□□	10-123	

Lab Batch #: 796099 **Sample:** 363450-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 15□2□

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.037	0.050	74	43-116	
2-□luorophenol	0.020	0.050	40	21-100	
Nitroben□ene-d5	0.040	0.050	□0	35-114	
Phenol-d6	ND	0.050	0	10-94	***
Terphen□-D14	0.041	0.050	□2	33-141	
2□6-Tribromophenol	0.041	0.050	□2	10-123	

* Surrogate outside of Laborator□QC limits

** Surrogates outside limits□data and surrogates confirmed b□reanal□sis

*** Poor recoveries due to dilution

Surrogate Recover□□D□□ 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 363450□ **Project ID:** 49194426

Lab Batch #: 796099 **Sample:** 363450-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 15□52

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.037	0.051	73	43-116	
2-□luorophenol	0.022	0.051	43	21-100	
Nitroben□ene-d5	0.036	0.051	71	35-114	
Phenol-d6	0.011	0.051	22	10-94	
Terphen□-D14	0.039	0.051	76	33-141	
2□6-Tribromophenol	0.041	0.051	□0	10-123	

Lab Batch #: 796099 **Sample:** 363450-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 16□6

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.041	0.051	□0	43-116	
2-□luorophenol	0.021	0.051	41	21-100	
Nitroben□ene-d5	0.042	0.051	□2	35-114	
Phenol-d6	0.011	0.051	22	10-94	
Terphen□-D14	0.044	0.051	□6	33-141	
2□6-Tribromophenol	0.040	0.051	7□	10-123	

Lab Batch #: 796099 **Sample:** 363450-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03/01/10 16□9

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-□luorobiphen□	0.070	0.25□	27	43-116	***
2-□luorophenol	0.00□	0.25□	3	21-100	***
Nitroben□ene-d5	0.245	0.25□	95	35-114	
Phenol-d6	ND	0.25□	0	10-94	***
Terphen□-D14	0.067	0.25□	26	33-141	***
2□6-Tribromophenol	ND	0.25□	0	10-123	***

* Surrogate outside of Laborator□QC limits

** Surrogates outside limits□data and surrogates confirmed b□reanal□sis

*** Poor recoveries due to dilution

Surrogate Recover□□D□□ 100 * A / B

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

XENCO Laboratories

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363450 **Project ID:** 49194426

Lab Batch #: 796519 **Sample:** 552005-1-B□S **Matrix:** Water

Date Analyzed: 03/03/2010 **Date Prepared:** 03/03/2010 **Analyst:** CAA

Reporting Units: mg/L **Batch #:** 1

BTEX and Oxygenates by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Meth□ tert but□ □ther	ND	0.5000	0.5099	102	65-135	
Ben□ene	ND	0.1000	0.1052	105	66-142	
Toluene	ND	0.1000	0.1040	104	59-139	
□th□ben□ene	ND	0.1000	0.1057	106	75-125	
m□p-□□lenes	ND	0.2000	0.2171	109	75-125	
o-□□lene	ND	0.1000	0.1105	111	75-125	
tert-Am□ meth□ □ther	ND	0.500	0.554	111	65-135	
tert-but□ alcohol	ND	1.00	1.04	104	65-135	
□th□ tert but□ □ther	ND	0.500	0.562	112	65-135	
Diisoprop□ □ther	ND	0.500	0.517	103	65-135	

Lab Batch #: 796□94 **Sample:** 552256-1-B□S **Matrix:** Water

Date Analyzed: 03/05/2010 **Date Prepared:** 03/05/2010 **Analyst:** CAA

Reporting Units: mg/L **Batch #:** 1

BTEX and Oxygenates by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Meth□ tert but□ □ther	ND	0.5000	0.4940	99	65-135	
Ben□ene	ND	0.1000	0.1030	103	66-142	
Toluene	ND	0.1000	0.09□0	9□	59-139	
□th□ben□ene	ND	0.1000	0.1020	102	75-125	
m□p-□□lenes	ND	0.2000	0.2060	103	75-125	
o-□□lene	ND	0.1000	0.1050	105	75-125	
tert-Am□ meth□ □ther	ND	0.500	0.537	107	65-135	
tert-but□ alcohol	ND	1.00	0.956	96	65-135	
□th□ tert but□ □ther	ND	0.500	0.515	103	65-135	
Diisoprop□ □ther	ND	0.500	0.4□9	9□	65-135	

Blank Spike Recover□□D□□ 100*□C□/□B□
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363450 **Project ID:** 49194426

Lab Batch #: 796666 **Sample:** 551□63-1-B□S **Matrix:** Water

Date Analyzed: 03/04/2010 **Date Prepared:** 03/03/2010 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Dissolved Metals by SW6020A Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	ND	0.050	0.050	100	75-125	
Barium	ND	0.050	0.051	102	75-125	
Cadmium	ND	0.020	0.020	100	75-125	
Chromium	ND	0.050	0.052	104	75-125	
Lead	ND	0.050	0.053	106	75-125	
Selenium	ND	0.050	0.044	□□	75-125	
Silver	ND	0.020	0.020	100	75-125	

Blank Spike Recover□□D□□ 100*□C/□B□
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

XENCO Laboratories

BS / BSD Recoveries

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363450 **Project ID:** 49194426

Analyst: LATC□R **Date Prepared:** 02/25/2010 **Date Analyzed:** 02/25/2010

Lab Batch ID: 79549□ **Sample:** 79549□-1-B□S **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by SW-846 7470A 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
Dissolved Mercur□	ND	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Relative Percent Difference RPD □200*|(C-□)/(C+□)|
Blank Spike Recover□□D□□ 100*(C)/□B□
Blank Spike Duplicate Recover□□□□□ 100*(□)/□□□
All results are based on MDL and □alidated for QC Purposes

XENCO Laboratories

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363450 **Project ID:** 49194426

Analyst: □AN **Date Prepared:** 02/27/2010 **Date Analyzed:** 03/01/2010

Lab Batch ID: 796099 **Sample:** 551600-1-B□S **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

SVOA PAHs List by EPA 8270C 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
Acenaphthene	ND	0.050	0.039	7□	0.05	0.045	90	14	54-114	25	
Acenaphth□lene	ND	0.050	0.039	7□	0.05	0.045	90	14	53-113	25	
Anthracene	ND	0.050	0.042	□4	0.05	0.04□	96	13	56-116	25	
Ben□o(a)anthracene	ND	0.050	0.040	□0	0.05	0.046	92	14	59-116	25	
Ben□o(a)p□rene	ND	0.050	0.041	□2	0.05	0.047	94	14	5□-11□	25	
Ben□o(b)fluoranthene	ND	0.050	0.039	7□	0.05	0.049	9□	23	54-123	25	
Ben□o(k)fluoranthene	ND	0.050	0.044	□□	0.05	0.050	100	13	52-122	25	
Ben□o(ghi)per□lene	ND	0.050	0.039	7□	0.05	0.045	90	14	47-129	25	
Chr□sene	ND	0.050	0.041	□2	0.05	0.046	92	11	5□-116	25	
Diben□(ah)Anthracene	ND	0.050	0.040	□0	0.05	0.047	94	16	46-131	25	
□luoranthene	ND	0.050	0.042	□4	0.05	0.049	9□	15	55-120	25	
□luorene	ND	0.050	0.039	7□	0.05	0.045	90	14	56-114	25	
□ndeno(1□2□3-cd)P□rene	ND	0.050	0.041	□2	0.05	0.047	94	14	44-132	25	
1-Meth□naphthalene	ND	0.050	0.03□	76	0.05	0.044	□□	15	47-113	25	
2-Meth□naphthalene	ND	0.050	0.03□	76	0.05	0.044	□□	15	57-106	25	
Naphthalene	ND	0.050	0.039	7□	0.05	0.044	□□	12	53-110	25	
Phenanthrene	ND	0.050	0.041	□2	0.05	0.047	94	14	56-116	25	
P□rene	ND	0.050	0.040	□0	0.05	0.045	90	12	57-119	25	

Relative Percent Difference RPD □200*|(C-□)/(C+□)|
Blank Spike Recover□□D□□100*(C)/□B□
Blank Spike Duplicate Recover□□□□□100*(□)/□□□
All results are based on MDL and □alidated for QC Purposes

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 363450 **Project ID:** 49194426

Lab Batch ID: 796519 **QC- Sample ID:** 363612-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/03/2010 **Date Prepared:** 03/03/2010 **Analyst:** CAA

Reporting Units: mg/L

BTEX and Oxygenates by SW 8260B	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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
Meth□ tert but□ □ther	ND	0.5000	0.417□	□4	0.5000	0.46□5	94	11	65-135	20	
Ben□ene	ND	0.1000	0.0762	76	0.1000	0.0761	76	0	66-142	20	
Toluene	ND	0.1000	0.0740	74	0.1000	0.07□4	7□	6	59-139	20	
□th□ben□ene	0.0054	0.1000	0.0□7□	□2	0.1000	0.0956	90	9	75-125	20	
m□p-□□lenes	0.0035	0.2000	0.1703	□3	0.2000	0.1□70	92	9	75-125	20	
o-□□lene	ND	0.1000	0.0□□2	□□	0.1000	0.1007	101	13	75-125	20	
tert-Am□ meth□ □ther	ND	0.500	0.469	94	0.500	0.4□7	97	4	65-135	20	
tert-but□ alcohol	0.012	1.00	1.04	103	1.00	1.13	112	□	65-135	20	
□th□ tert but□ □ther	ND	0.500	0.4□2	96	0.500	0.49□	100	3	65-135	20	
Diisoprop□ □ther	ND	0.500	0.447	□9	0.500	0.479	96	7	65-135	20	

Matri□Spike Percent Recover□ □D□□ 100*(C-A)/B

Matri□Spike Duplicate Percent Recover□ □□□□ 100*(□-A)/□

Relative Percent Difference RPD □200*|(C-□)/(C+□)|

ND □Not Detected□□□Present Below Reporting Limit□B □Present in Blank□NR □Not Re□uested□□□ □nterference□NA □Not ApplicableN □See Narrative□□QL □ □stimated Quantitation Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 363450 **Project ID:** 49194426

Lab Batch ID: 796□94 **QC- Sample ID:** 362952-020 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/05/2010 **Date Prepared:** 03/05/2010 **Analyst:** CAA

Reporting Units: mg/L

BTEX and Oxygenates by SW 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Meth□ tert but□ □ther	ND	0.5000	0.4495	90	0.5000	0.4□4□	97	□	65-135	20	
Ben□ene	ND	0.1000	0.0□69	□7	0.1000	0.0903	90	4	66-142	20	
Toluene	ND	0.1000	0.0□42	□4	0.1000	0.0□65	□7	3	59-139	20	
□th□ben□ene	ND	0.1000	0.0□99	90	0.1000	0.099□	100	10	75-125	20	
m□p-□□enes	ND	0.2000	0.1□51	93	0.2000	0.1920	96	4	75-125	20	
o-□□ene	ND	0.1000	0.0934	93	0.1000	0.1021	102	9	75-125	20	
tert-Am□ meth□ □ther	ND	0.500	0.463	93	0.500	0.501	100	□	65-135	20	
tert-but□ alcohol	ND	1.00	0.9□6	99	1.00	0.976	9□	1	65-135	20	
□th□ tert but□ □ther	ND	0.500	0.477	95	0.500	0.510	102	7	65-135	20	
Diisoprop□ □ther	ND	0.500	0.455	91	0.500	0.4□4	97	6	65-135	20	

Lab Batch ID: 79549□ **QC- Sample ID:** 363450-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/25/2010 **Date Prepared:** 02/25/2010 **Analyst:** LATC□R

Reporting Units: mg/L

Dissolved Mercury by SW-846 7470A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Dissolved Mercur□	ND	0.0010	0.0011	110	0.0010	0.0011	110	0	75-125	20	

Matri□Spike Percent Recover□ □D□□ 100*(C-A)/B Matri□Spike Duplicate Percent Recover□ □□□ 100*(□-A)/□

Relative Percent Difference RPD □200*|(C-□)/(C+□)|

ND □Not Detected□□□Present Below Reporting Limit□B □Present in Blank□NR □Not Re□uested□□□ □nterference□NA □Not Applicable□N □See Narrative□□QL □ □stimated Quantitation Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 363450 **Project ID:** 49194426

Lab Batch ID: 796666 **QC- Sample ID:** 363450-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/04/2010 **Date Prepared:** 03/03/2010 **Analyst:** HAT

Reporting Units: mg/L

Dissolved Metals by SW6020A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Arsenic	0.041	0.050	0.091	100	0.050	0.092	102	1	75-125	25	
Barium	1.27	0.050	1.29	40	0.050	1.32	100	2	75-125	25	□
Cadmium	ND	0.020	0.021	105	0.020	0.020	100	5	75-125	25	
Chromium	ND	0.050	0.051	102	0.050	0.051	102	0	75-125	25	
Lead	ND	0.050	0.054	10□	0.050	0.054	10□	0	75-125	25	
Selenium	ND	0.050	0.047	94	0.050	0.047	94	0	75-125	25	
Silver	ND	0.020	0.020	100	0.020	0.020	100	0	75-125	25	

Matri□Spike Percent Recover□ □D□□ 100*(C-A)/B
Relative Percent Difference RPD □200*|(C-□)/(C+□)|

Matri□Spike Duplicate Percent Recover□ □□□□ 100*(□-A)/□

ND □Not Detected□□□Present Below Reporting Limit□B □Present in Blank□NR □Not Re□uested□□□ □nterference□NA □Not ApplicableN □See Narrative□□QL □ □stimated Quantitation Limit

Final Ver. 1.000

XENCO Laboratories

Sample Duplicate Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 363450

Lab Batch #: 796666 **Project ID:** 49194426

Date Analyzed: 03/04/2010 **Date Prepared:** 03/03/2010 **Analyst:** HAT

QC- Sample ID: 363450-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Dissolved Metals by SW6020A	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.041	0.041	0	25	
Barium	1.27	1.26	1	25	
Cadmium	ND	ND	NC	25	
Chromium	ND	ND	NC	25	
Lead	ND	ND	NC	25	
Selenium	ND	ND	NC	25	
Silver	ND	ND	NC	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☑ SHELL PIPELINE | ☑ OTHER _____

Print Bill To Contact Name: Kenneth Springer

INCIDENT # (ENV SERVICES): 3 0 0 1 4 3 | ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 7 2 0 8 0 3 7

DATE: 2/24/10

PAGE: 1 of 1

CONSULTANT COMPANY: URS Corporation

ADDRESS: 7720 N. 16th Street, Suite 100

CITY: Phoenix, AZ 85020

TELEPHONE: (602) 648-2402 | FAX: (602) 371-1615 | E-MAIL: Iain_Olness@urscorp.com

SITE ADDRESS (Street, City and State): EQPL Basin Jal Pump Station

CONSULTANT PROJECT CONTACT (Report to): Iain Olness

CONSULTANT PROJECT NO.: 49194426

SAMPLER NAME(S) (Print): John Savoie

LAB USE ONLY: 363450

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 .1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2altd.com

Metals samples were field filtered.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	Oxygenates (6) 8260	Dissolved Metals(5) 6010B;Mercury 7470A	PAH 8270	Container PID Readings or Laboratory Notes
01	MW-19	2/24/10	846	WATER	X	X				5	X	X	X	X	
02	MW-06	2/24/10	1002	WATER	X	X				5	X	X	X	X	
03	MW-20	2/24/10	1123	WATER	X	X				5	X	X	X	X	
04	MW-18	2/24/10	1350	WATER	X	X				5	X	X	X	X	
05	MW-12	2/24/10	1655	WATER	X	X				5	X	X	X	X	
06	MW-14	2/24/10	1531	WATER	X	X				5	X	X	X	X	
07	Trip Blank			WATER	X					3	X	X			

		Date	Time
Relinquished by: (Signature) John Savoie	Received by: (Signature)	2/24/10	17:00
Relinquished by: (Signature)	Received by: (Signature) Andrea Davis	2/25/10	0913
Relinquished by: (Signature)	Received by: (Signature)		

05/2/06 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: URS

Date/ Time: 2.25.10 9:13

Lab ID #: 363450

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	1.1 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#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 ELOT?	(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: Everything but Dissolve Hg Submitted to Xenco- Houston.

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