GW-350

REPORT

DATE:
2008

H2A
ENVIRONMENTAL, LTD.

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March 30, 2009

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

Re: 2008 Annual Monitoring Report
Shell Pipeline Company LP
Jal Basin Station (Case No.: 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. Lowe:

H_2A Environmental, Ltd. (H_2A) is pleased to provide the enclosed 2008 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 2008.

We would appreciate the opportunity to meet at your office in Santa Fe to discuss the report findings, and to review and discuss planned activities to complete site closure. If your schedule permits, we would like to suggest a date in May of this year for the meeting.

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 Ken Springer at 281.324.5921 or by email at kenneth.springer@shell.com.

Sincerely,

H_2A ENVIRONMENTAL, LTD.

Shannon S. Walker, PE
Project Manager

Enclosure

cc: K. Springer - Shell
C. Williams, OCD Hobbs
I. Olness, URS

2008 ANNUAL GROUNDWATER MONITORING REPORT

JAL BASIN STATION
JAL, LEA COUNTY, NEW MEXICO

Prepared For:
Shell Oil Products US
Shell Pipeline Company LP

Prepared By:
H_2A Environmental, Ltd.

H_2A
Environmental Ltd.

MARCH 2009

H_2A Environmental, Ltd.

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1.0 INTRODUCTION

H_2A Environmental, Ltd. (H_2A) is pleased to provide this 2008 Annual Groundwater Monitoring Report for the Jal Basin Station (the Site), located south of Jal, in Lea County, New Mexico. Quarterly gauging and monitoring events were conducted at the Site in February, June, August, and December 2008. Results of monitoring and investigation activities are summarized herein.

2.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities consisted of gauging the water levels in all the monitoring wells (shown in Figure 1), then purging static water from all wells not exhibiting measurable light non-aqueous phase liquids (LNAPL). After the monitoring wells had been purged, groundwater samples were collected and submitted to a certified laboratory. Groundwater samples were collected on a quarterly basis during 2008 and analyzed for determination of benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations. Additionally, samples collected during the second and third quarters were also analyzed for dissolved metals and the fourth quarter samples were analyzed for dissolved metals, oxygenates, and polycyclic aromatic hydrocarbons (PAHs).

Groundwater samples collected for BTEX analysis (Method SW8260B) were placed in sterile, 40-milliliter (mL) glass volatile organic analysis (VOA) 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 6010B and EPA 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.

Groundwater samples collected for the analysis of volatile organic compounds (VOCs, Method SW8260B) were placed in sterile, 40-mL glass VOA 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.

Following sample 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, July, August, and December 2008. Typically, groundwater measurements are collected once per quarter. However, because the remediation system was turned off at the end of June, two additional gauging events were conducted on July 4 and 27, 2008, to monitor recovery of the groundwater table to non-pumping conditions. Groundwater contour maps, illustrating groundwater elevations measured during each quarterly event and the two July events, are presented as Figures 2 through 7. Groundwater measurements are summarized in Table 1. Quarterly LNAPL thickness maps are presented as Figures 8 through 13. Figure 14 summarizes groundwater elevations versus product thicknesses through time. As noted on Figure 14, the average corrected groundwater elevation at the Site rose approximately 2.0 feet following system shutdown at the end of June 2008.

4.0 GROUNDWATER MONITORING RESULTS

Constituent concentrations for each quarterly event are summarized on Figures 8 through 13 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

Startup of the high vacuum remediation (HVR) system was initiated in January 2001. A second liquid ring pump (LRP) was added to the system in July 2002. In August of 2005, both LRPs and their electric motors were overhauled. Two LRPs were in operation at the Site during the first half of 2008; however, the system was turned off at the end of June in an effort to evaluate the need for continued active remediation. Figures 15 and 16 summarize hydrocarbon recovery during 2008 and the following table presents the volume of groundwater and LNAPL recovered up until the system was turned off in June 2008.

Parameter	Cumulative Volume Recovered (gallons)	2008 Volume Recovered (gallons)
Groundwater	4,399,831	260,235
LNAPL (diesel)	55,532.4	8.4

All water recovered and treated during remediation is injected back into the formation via on-site infiltration wells, designated IW-1 and IW-2. A summary of groundwater and product recovery data is presented in Table 3.

As the diesel storage tank reaches capacity, the recovered product is managed under the supervision of Shell's Centralized Residual Management Team (CRMT).

6.0 EFFLUENT SAMPLING AND RESULTS

During the first two quarters of 2008, system effluent samples were obtained, preserved, and analyzed using the same procedures outlined previously for groundwater sampling. The effluent laboratory results are also summarized in Table 2. Copies of the certified laboratory reports with appropriate chain-of-custody documentation are provided in Appendix A. As indicated in Table 2, no BTEX compounds were determined to be present in the effluent samples above their corresponding method detection limits.

7.0 ADDITIONAL FIELD INVESTIGATION ACTIVITIES

In addition to quarterly groundwater gauging and sampling completed during 2008, several additional field activities were also conducted, as recommended in H_2A's *2007 Annual Groundwater Monitoring Report*, dated March 28, 2008.

The first of three recommendations involved extracting from well MW-2 for two weeks in maximum drawdown while monitoring for additional LNAPL recovery. Additional recovery efforts were completed during the first quarter of 2008; however, no additional LNAPL recovery was noted as a result.

The second recommendation involved the collection of groundwater samples from wells that exhibited measurable LNAPL during the fourth quarter 2007 gauging event. These wells,

including MW-9, MW-20, and MW-22, were sampled on January 28, 2008. Following collection, the samples were submitted for analysis of BTEX and metals to determine concentrations in the dissolved phase. Although BTEX compounds were detected in the wells, only well MW-20 exhibited a concentration above the New Mexico standard. Benzene was detected in MW-20 at a concentration of 0.03 mg/L, exceeding the standard of 0.01 mg/L. A summary of all the results from this additional sampling event are provided in Table 2.

The final recommendation involved shutting down the system immediately following the second quarter 2008 monitoring/sampling event to monitor for hydrocarbon recovery. H_2A turned the HVR remediation system off at the end of June 2008, following the second quarter 2008 sampling event. Since that time, H_2A continues to perform quarterly sampling events in an effort to monitor recharge and LNAPL occurrence at the Site. During the fourth quarter gauging and sampling event, measurable LNAPL was noted in wells MW-2 (0.02 feet), MW-8 (0.01 feet), MW-12 (0.13 feet), MW-14 (0.32 feet), MW-18(0.08 feet), and MW-19 (0.02 feet). H_2A will continue to monitor LNAPL recharge quarterly at the Site.

8.0 RECOMMENDATIONS

Based on 2008 monitoring activities and LNAPL recharge observations during the second half of 2008, H_2A makes the following recommendations regarding future monitoring at the Site.

The measured LNAPL thicknesses in several wells have increased to apparently stable levels since the remediation system was shut down at the end of June 2008. Therefore, during the first half of 2009, H_2A recommends evacuating LNAPL from all wells with a measured apparent LNAPL thickness of at least one tenth of a foot, and then monitoring the recharge. H_2A can utilize the recharge data to evaluate LNAPL recoverability.

H_2A also recommends decreasing future sample frequency at the Site. Analytical results from nine perimeter wells have indicated no dissolved-phase BTEX concentrations above New Mexico Standards during the past eight quarters of sampling (2007 and 2008). Therefore, H_2A recommends performing full delineation/monitoring sampling of all wells during the fourth quarter only, to ensure that no plume migration is occurring, and focused sampling of historically impacted wells during the second quarter of each year to monitor attenuation progress. The recommended sampling schedule is provided in the following table.

Well	2nd Quarter Sampling	4th Quarter Sampling
MW-01		X
MW-02	X	X
MW-03	X	X
MW-04	X	X
MW-05		X
MW-06	X	X
MW-08	X	X
MW-09	X	X
MW-10		X
MW-11		X
MW-12	X	X
MW-13		X
MW-14	X	X
MW-15		X
MW-16		X
MW-17		X
MW-18	X	X
MW-19	X	X
MW-20	X	X
MW-21		X
MW-22	X	X
MW-23	X	X
MW-24	X	X

FIGURES

H2A
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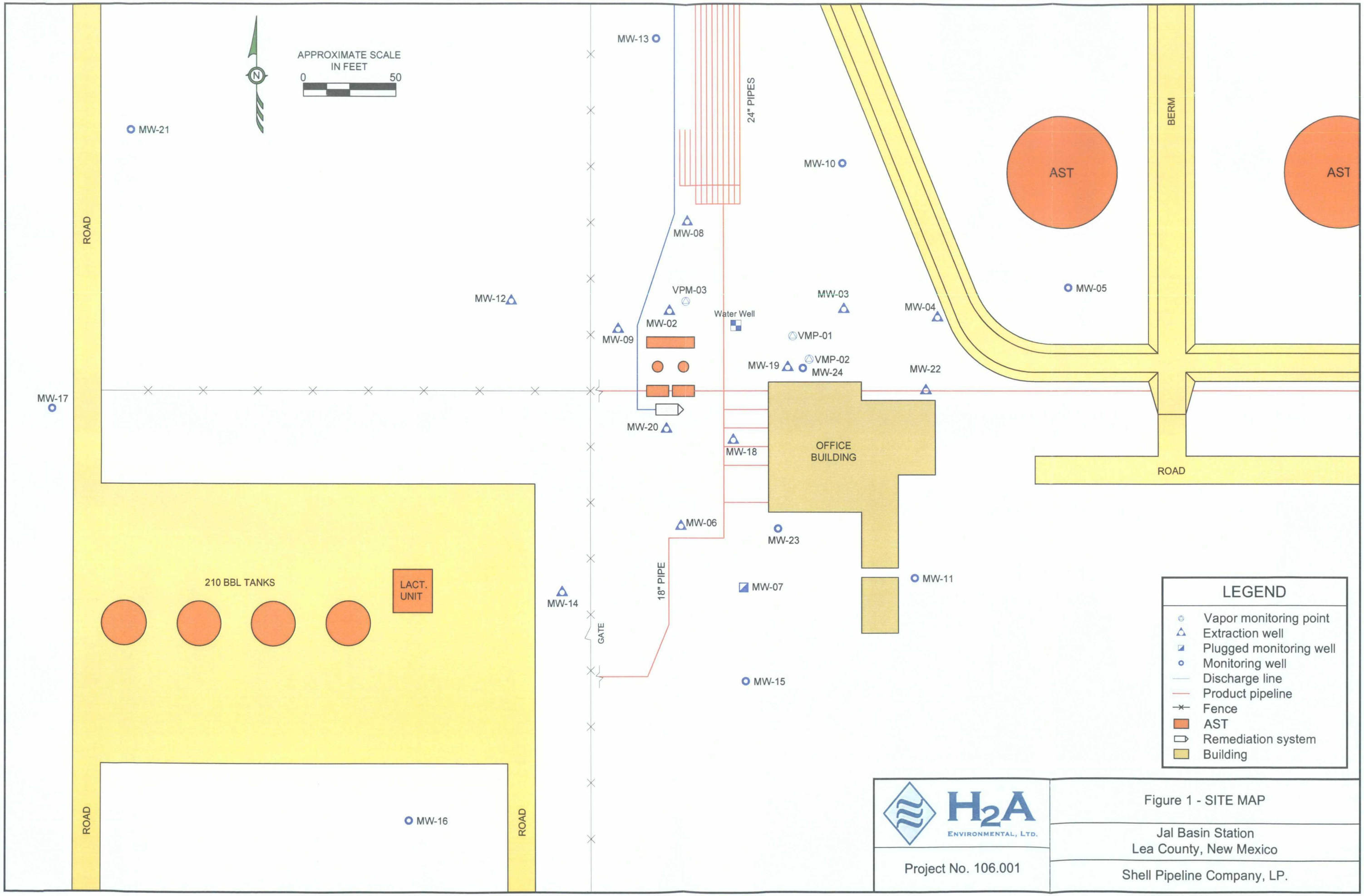

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Project No. 106.001

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

2902.02
MW-13

24" PIPES

2902.22
MW-10

AST

BERM

AST

ROAD

MW-08
PUMPING

VPM-03

MW-12
PUMPING

MW-03
2901.91

PUMPING
MW-04

2902.58
MW-05

Water Well

MW-02
PUMPING

MW-09
2900.99

VMP-01

MW-19
PUMPING

VMP-02
MW-24
2896.96

PUMPING
MW-22

2899.27
MW-17

MW-20
PUMPING

MW-18
PUMPING

OFFICE
BUILDING

ROAD

PUMPING
MW-06

MW-23
2895.50

210 BBL TANKS

LACT.
UNIT

MW-14
PUMPING

18" PIPE

MW-07

MW-11
2902.24

GATE

MW-15
2901.94

2902

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
2899.90

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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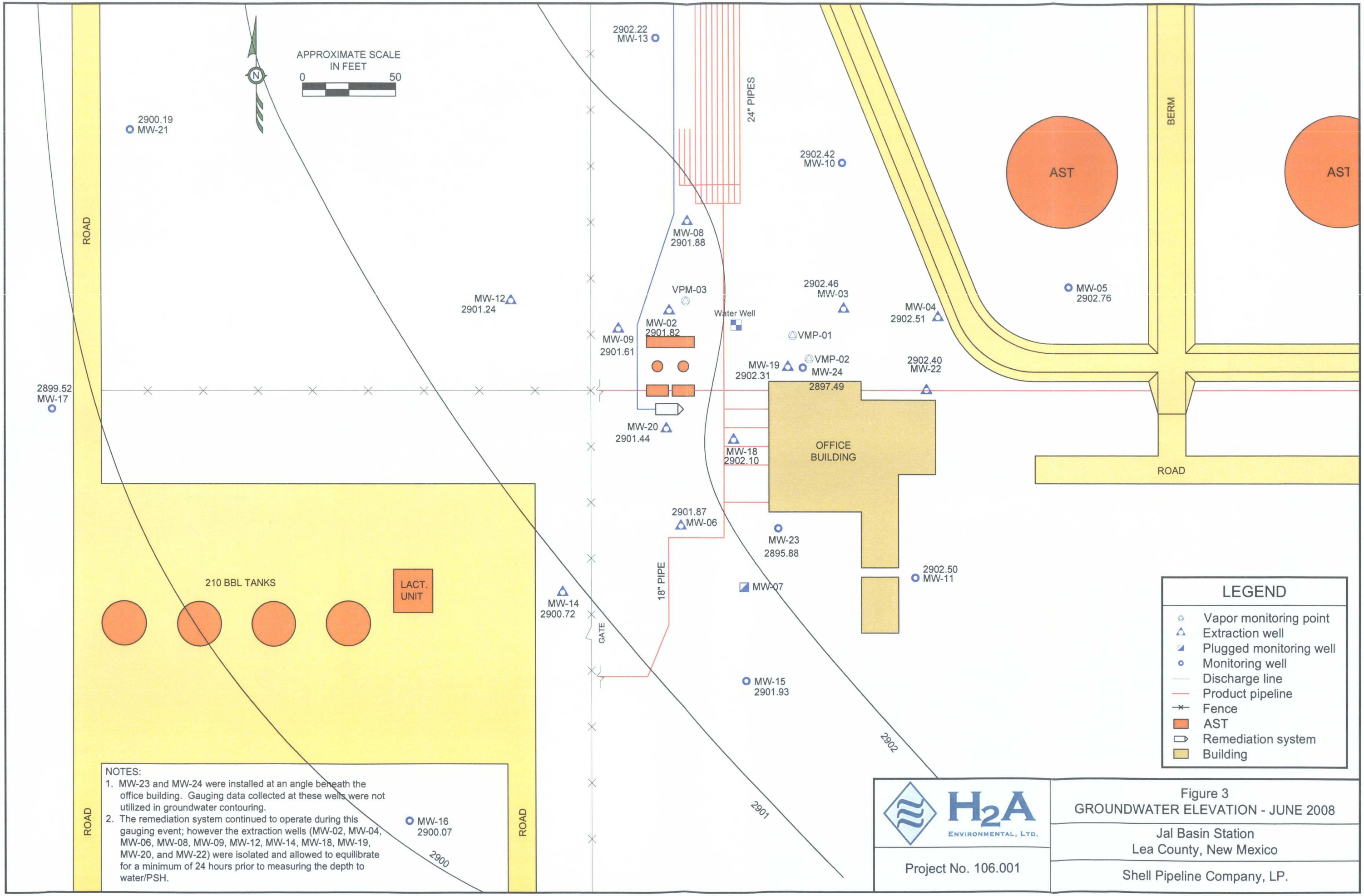
Project No. 106.001

Figure 2
GROUNDWATER ELEVATION - FEBRUARY 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.



NOTES:
1. 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.
2. The remediation system continued to operate during this gauging event; however the extraction wells (MW-02, MW-04, MW-06, MW-08, MW-09, MW-12, MW-14, MW-18, MW-19, MW-20, and MW-22) were isolated and allowed to equilibrate for a minimum of 24 hours prior to measuring the depth to water/PSH.

LEGEND

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

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Figure 3
GROUNDWATER ELEVATION - JUNE 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.

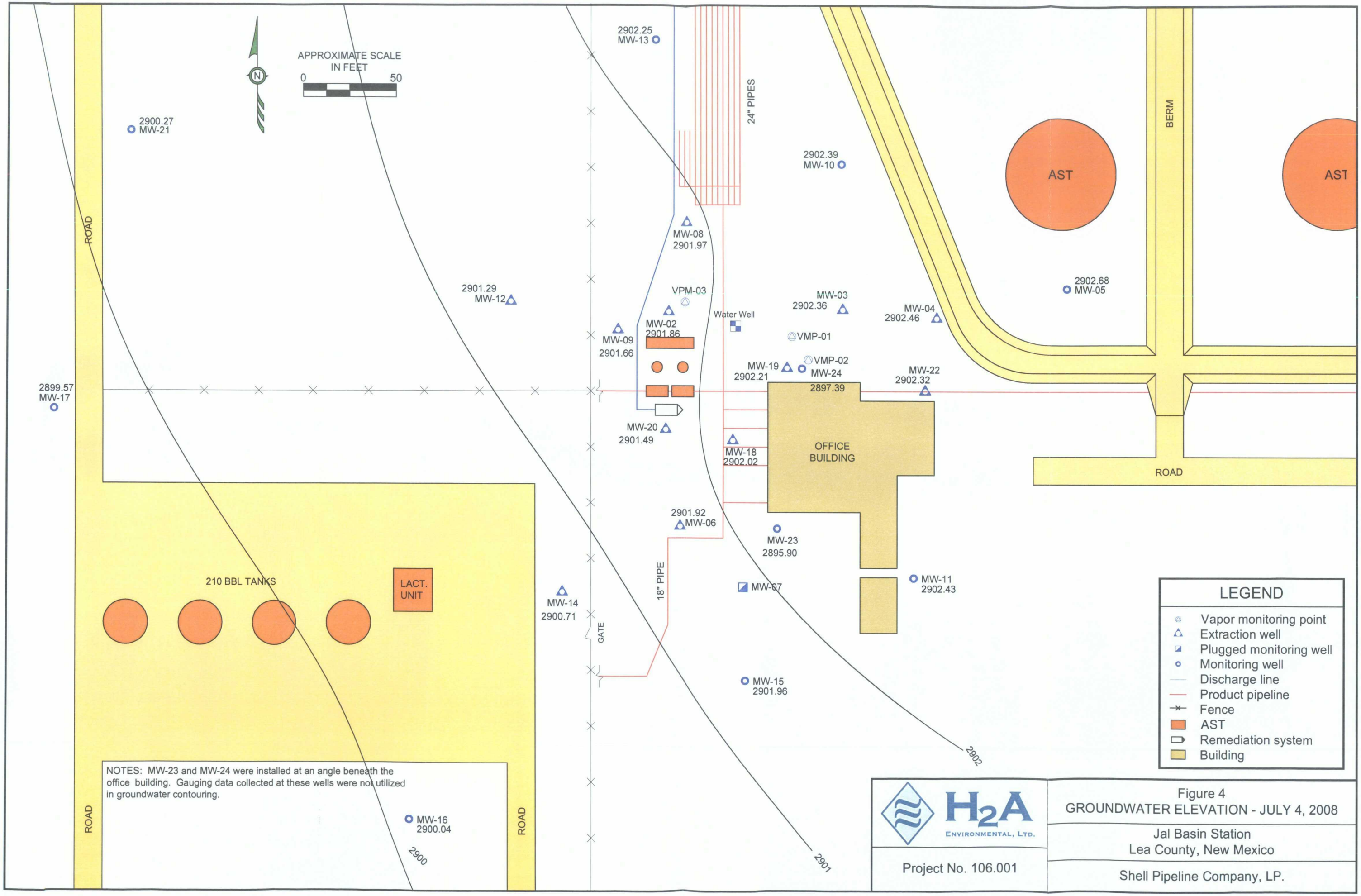

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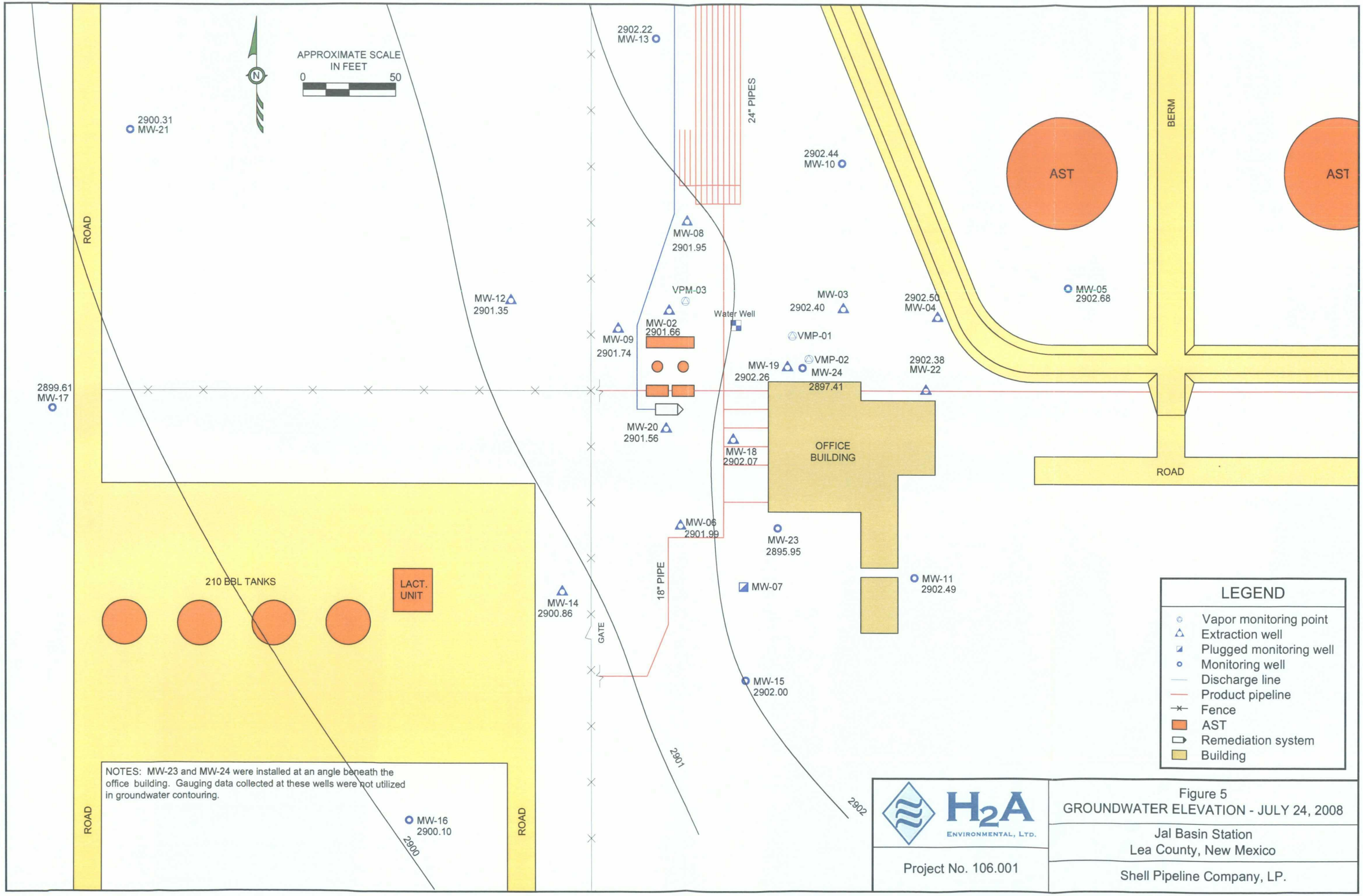
Figure 4
GROUNDWATER ELEVATION - JULY 4, 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.


APPROXIMATE SCALE IN FEET
0
50
N
ROAD
2900.31
MW-21
2902.22
MW-13
24" PIPES
2902.44
MW-10
AST
BERM
AST
MW-08
2901.95
MW-12
2901.35
VPM-03
MW-03
2902.40
2902.50
MW-04
MW-05
2902.68
Water Well
MW-02
2901.66
MW-09
2901.74
VMP-01
MW-19
2902.26
VMP-02
MW-24
2897.41
2902.38
MW-22
2899.61
MW-17
MW-20
2901.56
MW-18
2902.07
OFFICE BUILDING
ROAD
MW-06
2901.99
MW-23
2895.95
MW-11
2902.49
210 BBL TANKS
LACT. UNIT
MW-14
2900.86
18" PIPE
MW-07
GATE
MW-15
2902.00
2901
2902
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.
ROAD
ROAD
MW-16
2900.10
2900
LEGEND
Vapor monitoring point
Extraction well
Plugged monitoring well
Monitoring well
Discharge line
Product pipeline
Fence
AST
Remediation system
Building
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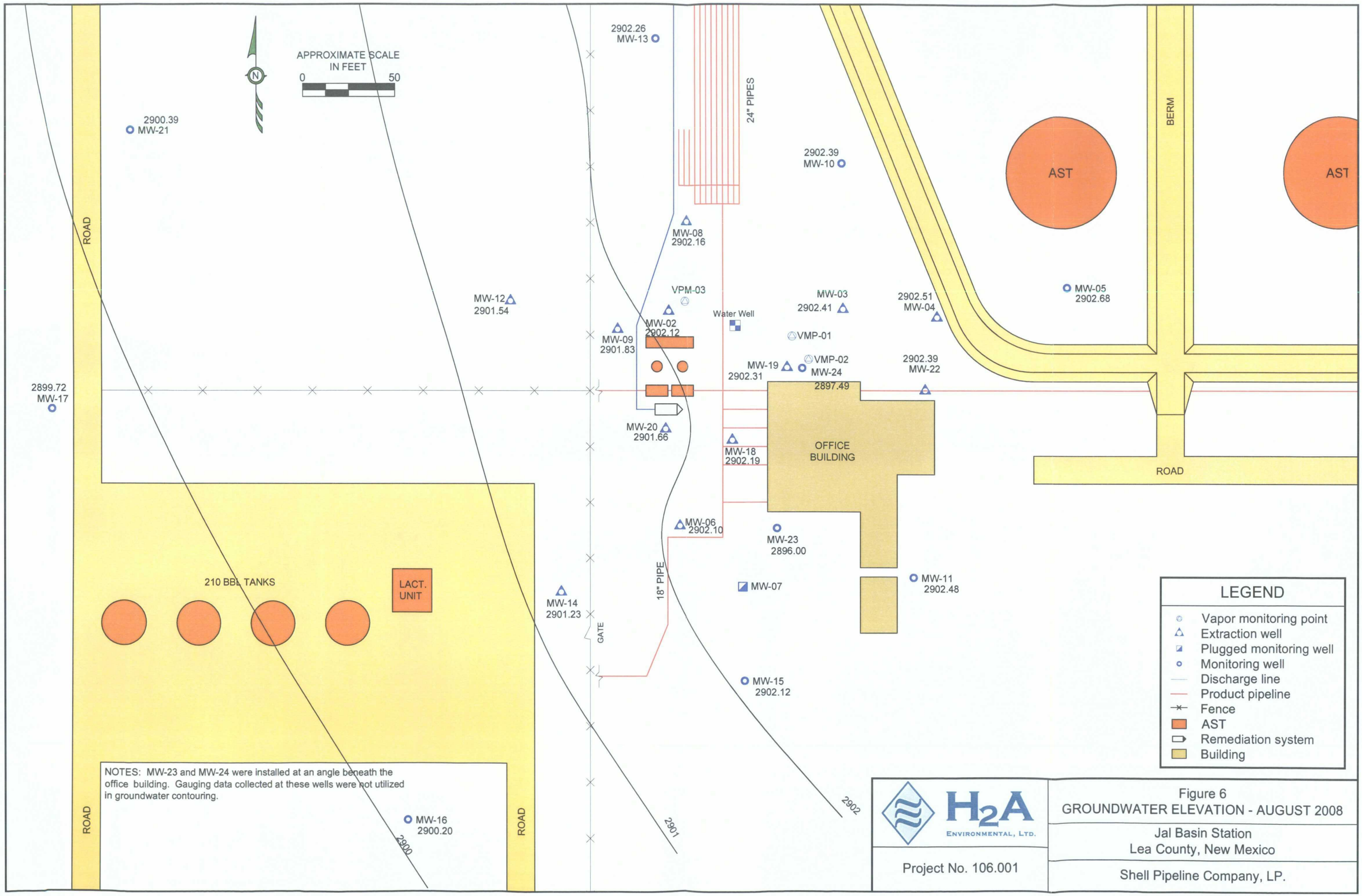
Project No. 106.001
Figure 5
GROUNDWATER ELEVATION - JULY 24, 2008
Jal Basin Station
Lea County, New Mexico
Shell Pipeline Company, LP.



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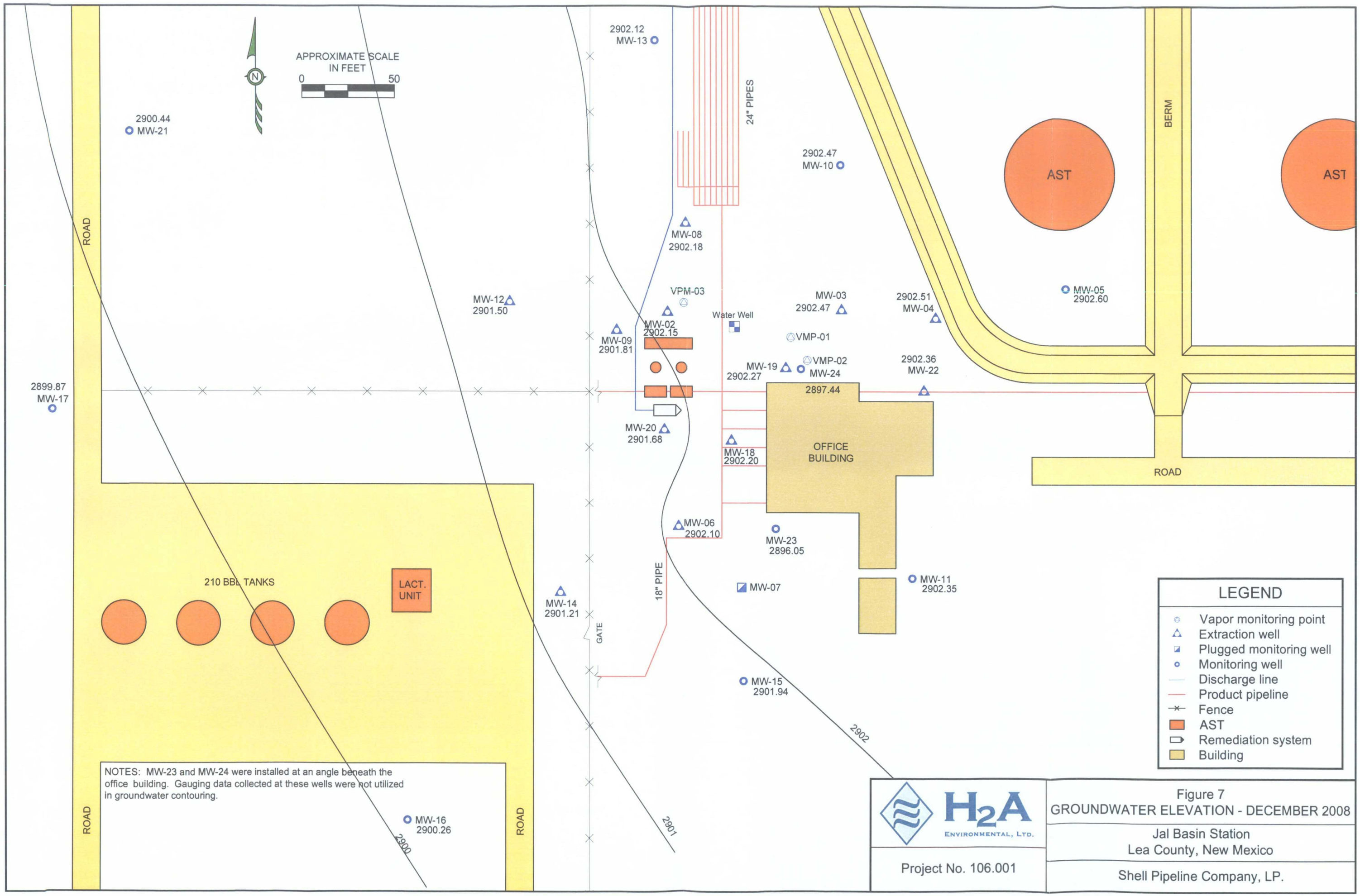
Project No. 106.001

Figure 6
GROUNDWATER ELEVATION - AUGUST 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.


APPROXIMATE SCALE
IN FEET
0
50
N
2900.44
MW-21
ROAD
2902.12
MW-13
24" PIPES
2902.47
MW-10
AST
BERM
AST
MW-08
2902.18
MW-12
2901.50
VPM-03
Water Well
MW-03
2902.47
2902.51
MW-04
MW-05
2902.60
MW-09
2901.81
MW-02
2902.15
VMP-01
MW-19
2902.27
VMP-02
MW-24
2902.36
MW-22
2899.87
MW-17
2897.44
OFFICE
BUILDING
MW-20
2901.68
MW-18
2902.20
ROAD
MW-06
2902.10
MW-23
2896.05
210 BBL TANKS
LACT.
UNIT
MW-14
2901.21
18" PIPE
MW-07
MW-11
2902.35
GATE
MW-15
2901.94
2902
2901
2900
MW-16
2900.26
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.
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 7
GROUNDWATER ELEVATION - DECEMBER 2008
Jal Basin Station
Lea County, New Mexico
Shell Pipeline Company, LP.

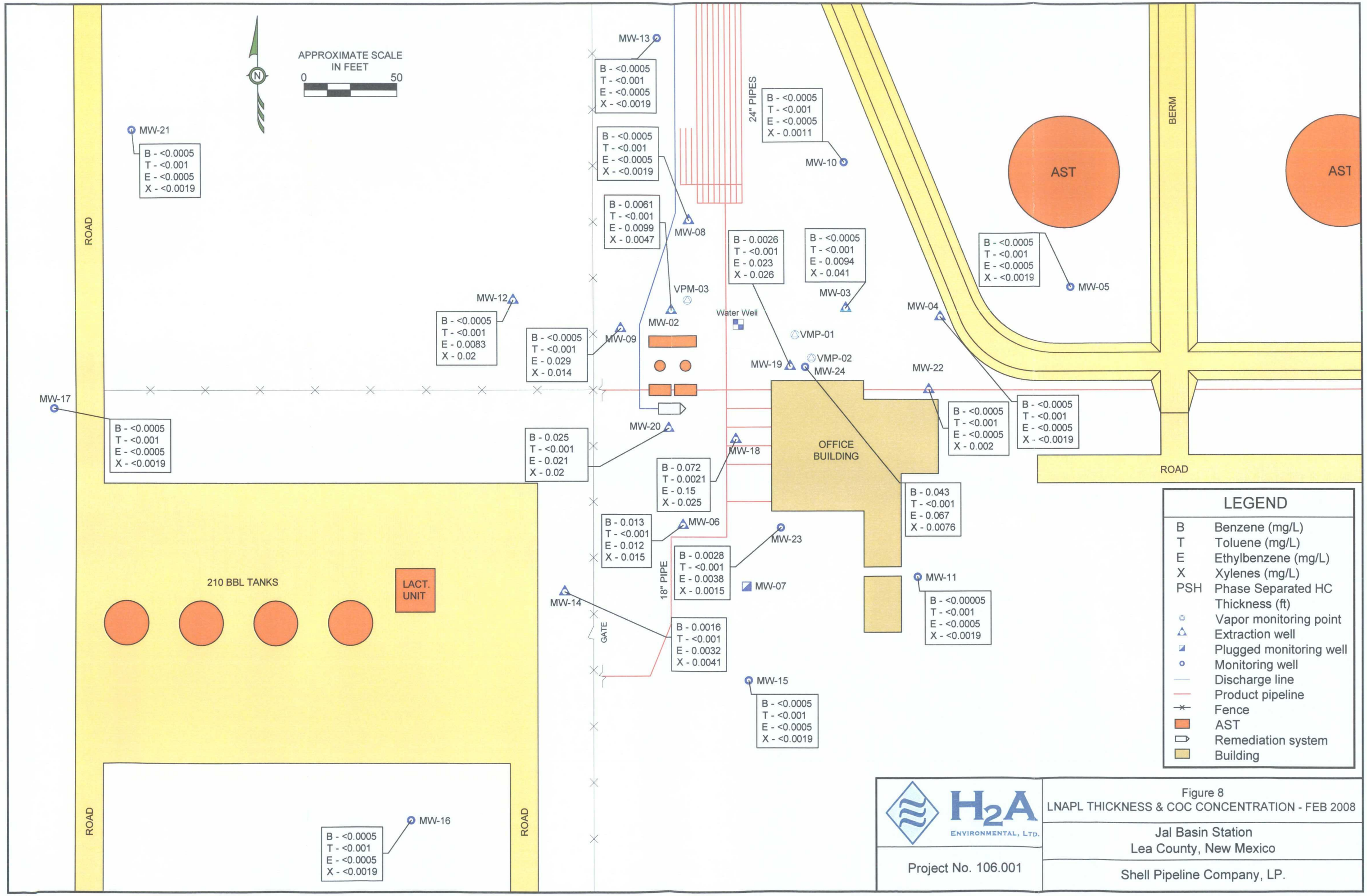


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Figure 8
LNAPL THICKNESS & COC CONCENTRATION - FEB 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.

APPROXIMATE SCALE IN FEET
0 50

ROAD

MW-21
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

MW-13
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

24" PIPES

B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015
MW-10

AST

BERM

AST

B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015
MW-05

PSH - SHEEN
MW-08

B - <0.0005
T - <0.0005
E - <0.0005
X - 0.0017
MW-03

PSH - SHEEN
MW-12

PSH - SHEEN
VPM-03
MW-02

Water Well

MW-04

PSH - SHEEN
MW-09

VMP-01
0.01
VMP-02
MW-19
MW-24

PSH - 0.05

MW-22

MW-17
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

MW-20

PSH - SHEEN

PSH - 0.03
MW-18

OFFICE BUILDING

B - 0.005
T - 0.0057
E - <0.0025
X - <0.0075

B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

ROAD

B - 0.047
T - <0.0005
E - 0.030
X - 0.027

B - 0.0054
T - <0.0005
E - 0.0023
X - 0.0014
MW-06

MW-23

PSH - 0.03
0.01
MW-14

B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015
MW-07

18" PIPE

210 BBL TANKS

LACT. UNIT

GATE

MW-11
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

MW-15
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

ROAD

ROAD

MW-16
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

LEGEND

B	Benzene (mg/L)
T	Toluene (mg/L)
E	Ethylbenzene (mg/L)
X	Xylenes (mg/L)
PSH	Phase Separated HC Thickness (ft)
	Vapor monitoring point
	Extraction well
	Plugged monitoring well
	Monitoring well
	Discharge line
	Product pipeline
	Fence
	AST
	Remediation system
	Building

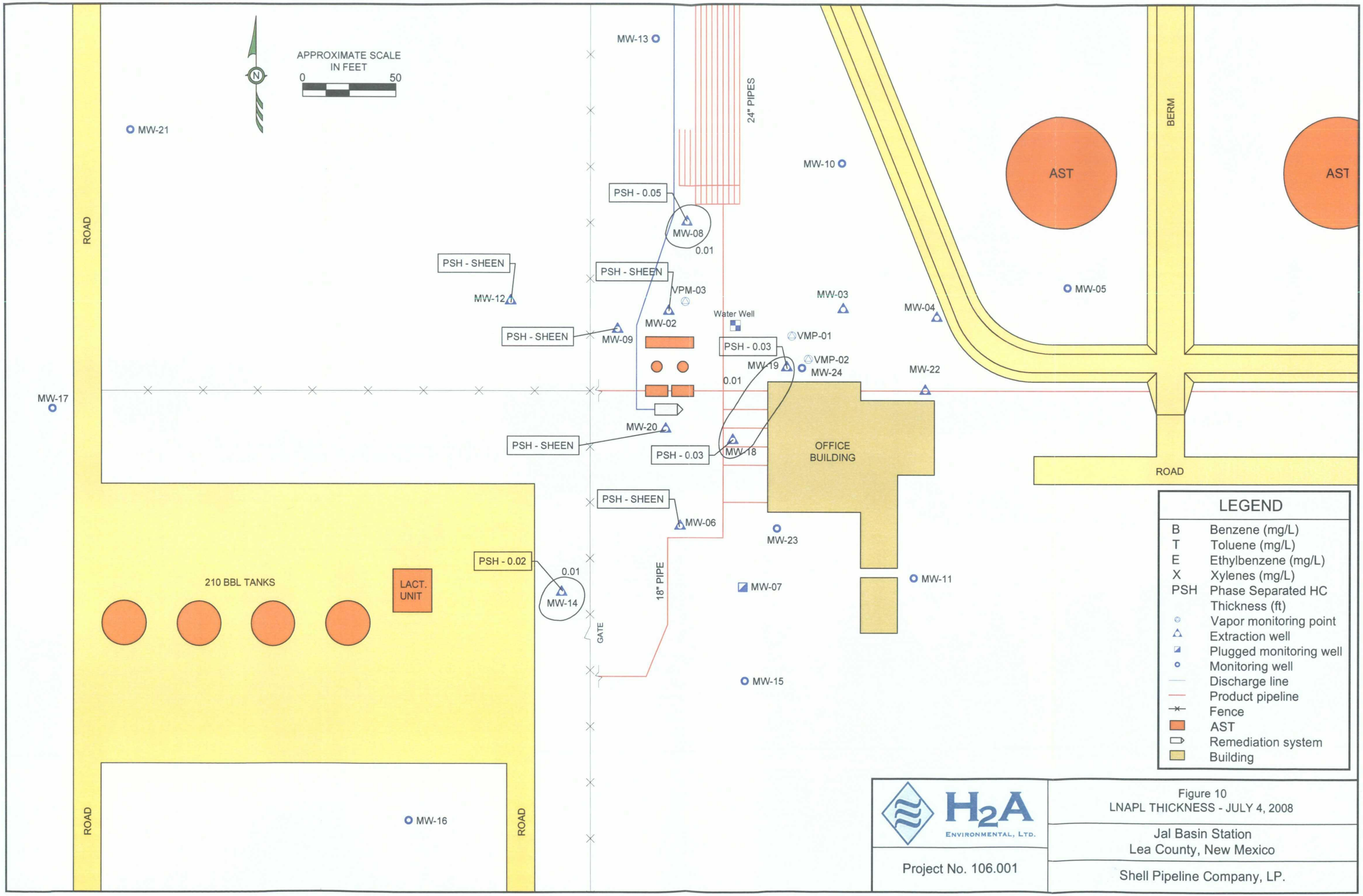
H2A ENVIRONMENTAL, LTD.

Project No. 106.001

Figure 9
LNAPL THICKNESS & COC CONCENTRATION - JUNE 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.



LEGEND

B	Benzene (mg/L)
T	Toluene (mg/L)
E	Ethylbenzene (mg/L)
X	Xylenes (mg/L)
PSH	Phase Separated HC Thickness (ft)
	Vapor monitoring point
	Extraction well
	Plugged monitoring well
	Monitoring well
	Discharge line
	Product pipeline
	Fence
	AST
	Remediation system
	Building

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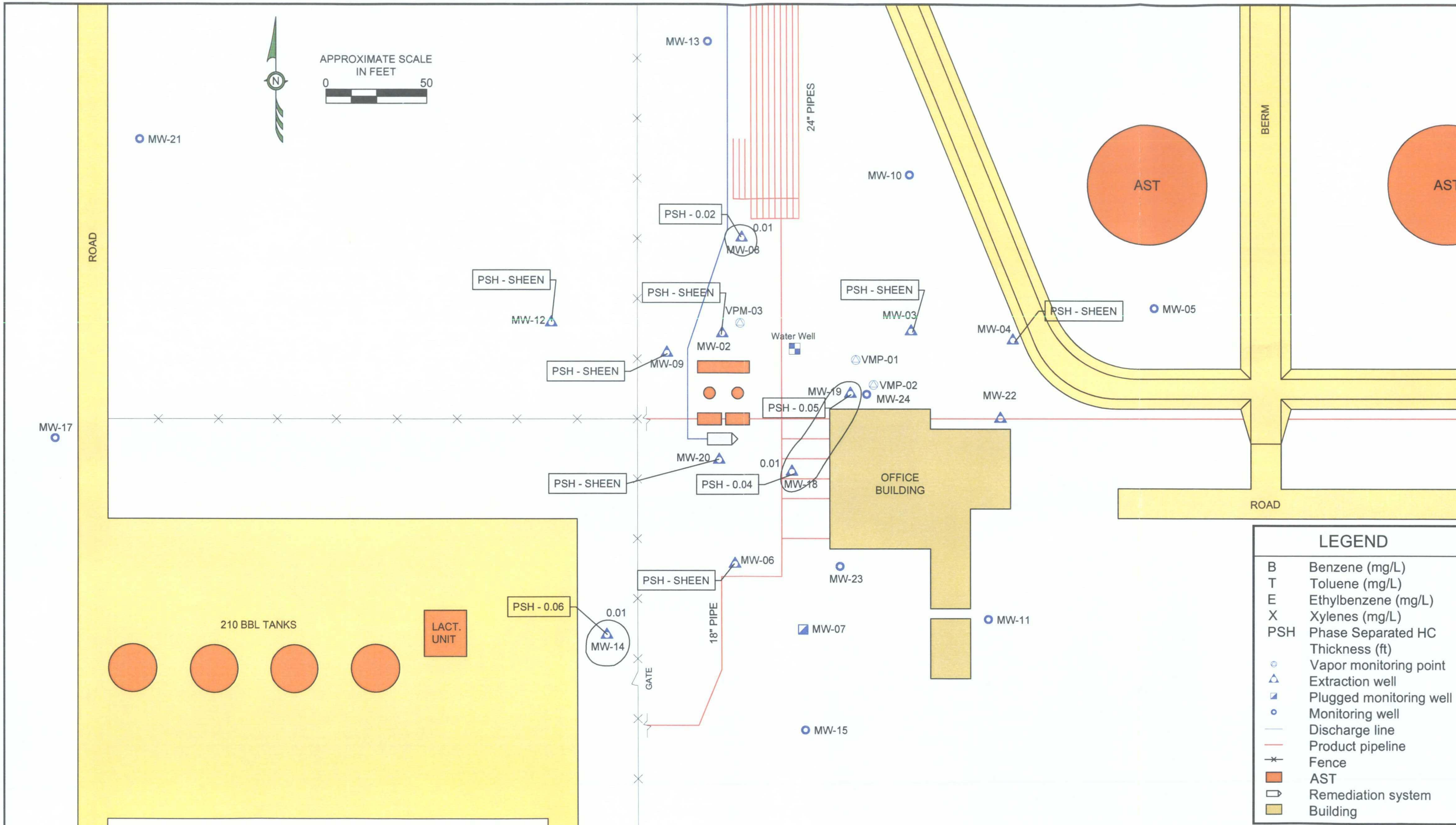
Project No. 106.001

Figure 10
LNAPL THICKNESS - JULY 4, 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.


APPROXIMATE SCALE IN FEET
0
50
N
ROAD
MW-21
MW-17
MW-13
24" PIPES
MW-10
AST
AST
BERM
PSH - 0.02
0.01
MW-08
PSH - SHEEN
MW-12
PSH - SHEEN
VPM-03
MW-02
PSH - SHEEN
MW-09
Water Well
PSH - SHEEN
MW-03
VMP-01
MW-04
PSH - SHEEN
MW-05
MW-19
VMP-02
MW-24
PSH - 0.05
MW-22
MW-20
PSH - SHEEN
0.01
PSH - 0.04
MW-18
OFFICE BUILDING
ROAD
PSH - SHEEN
MW-06
MW-23
PSH - 0.06
0.01
MW-14
210 BBL TANKS
LACT. UNIT
18" PIPE
GATE
MW-07
MW-11
MW-15
MW-16
ROAD
ROAD
LEGEND
B Benzene (mg/L)
T Toluene (mg/L)
E Ethylbenzene (mg/L)
X Xylenes (mg/L)
PSH Phase Separated HC Thickness (ft)
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 11
LNAPL THICKNESS - JULY 24, 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.

APPROXIMATE SCALE IN FEET
0 50

ROAD

MW-21
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

MW-17
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

MW-13
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

24" PIPES

B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015
MW-10

PSH - 0.03
MW-08
0.01
PSH - 0.01
VPM-03
MW-02

PSH - SHEEN
MW-12
PSH - SHEEN
MW-09

Water Well

PSH - SHEEN
MW-03

VMP-01

MW-04
PSH - SHEEN

AST
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015
MW-05

BERM

AST

MW-19
VMP-02
MW-24
PSH - 0.06

MW-22

B - <0.0005
T - <0.0005
E - <0.0005
X - 0.0027

MW-20
0.01
MW-18
PSH - SHEEN
PSH - 0.04

OFFICE BUILDING

B - 0.038
T - 0.0023
E - 0.061
X - 0.0089

ROAD

PSH - SHEEN
MW-06

MW-23
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015
MW-07

18" PIPE

MW-11
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

PSH - 0.11
0.01
0.1
MW-14

210 BBL TANKS

LACT. UNIT

GATE

MW-15
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

ROAD

ROAD

MW-16
B - <0.0005
T - <0.0005
E - <0.0005
X - <0.0015

LEGEND

B	Benzene (mg/L)
T	Toluene (mg/L)
E	Ethylbenzene (mg/L)
X	Xylenes (mg/L)
PSH	Phase Separated HC Thickness (ft)
	Vapor monitoring point
	Extraction well
	Plugged monitoring well
	Monitoring well
	Discharge line
	Product pipeline
	Fence
	AST
	Remediation system
	Building

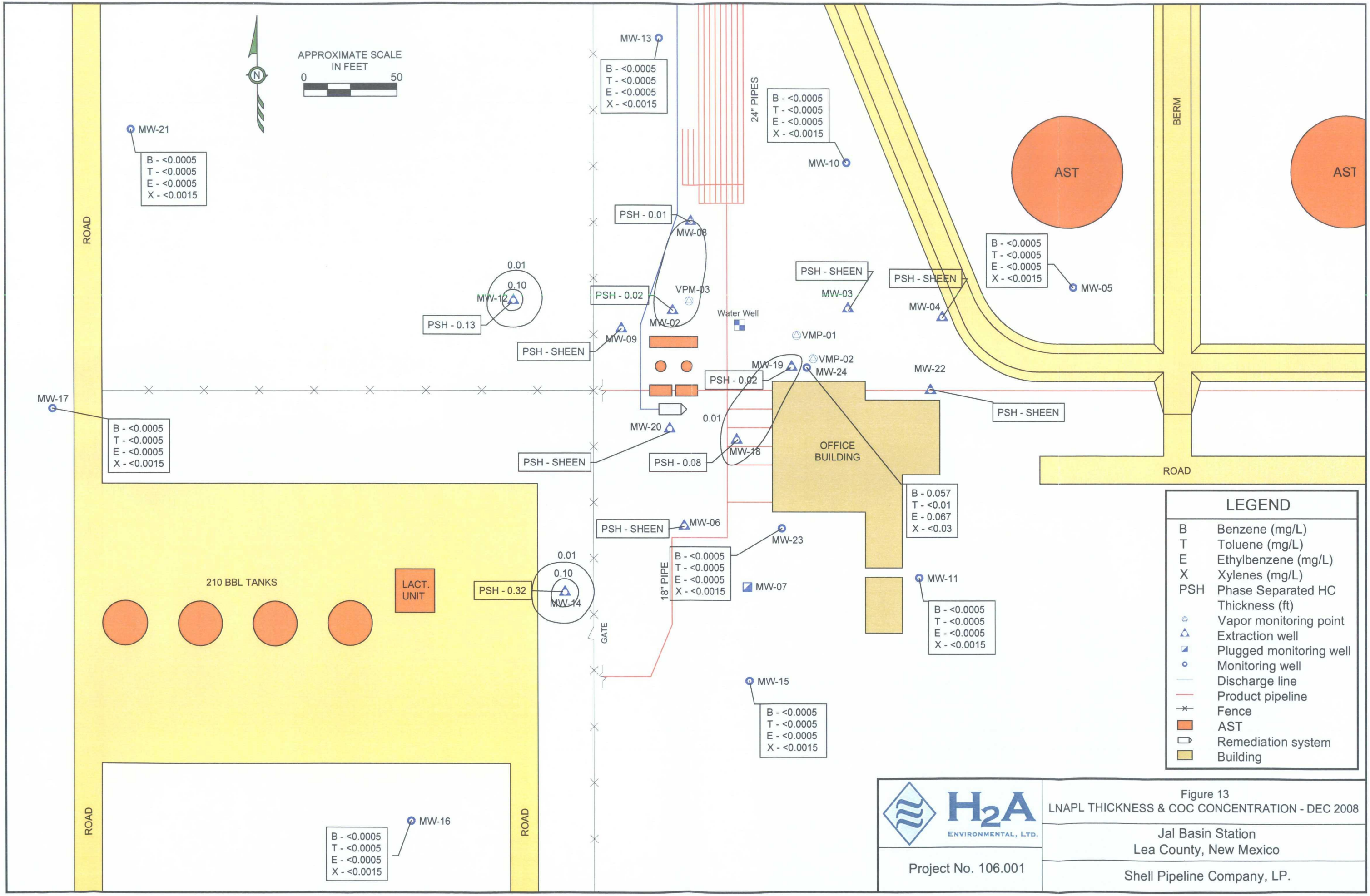
H2A ENVIRONMENTAL, LTD.

Project No. 106.001

Figure 12
LNAPL THICKNESS & COC CONCENTRATION - AUG 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.



H2A ENVIRONMENTAL, LTD.

Project No. 106.001

Figure 13
LNAPL THICKNESS & COC CONCENTRATION - DEC 2008

Jal Basin Station
Lea County, New Mexico

Shell Pipeline Company, LP.

106.001
Shell Oil Products US
Jal Station Diesel Remediation

Jal, NM

Figure 14
Corrected GW Elevation (Avg) vs. LNAPL Thickness

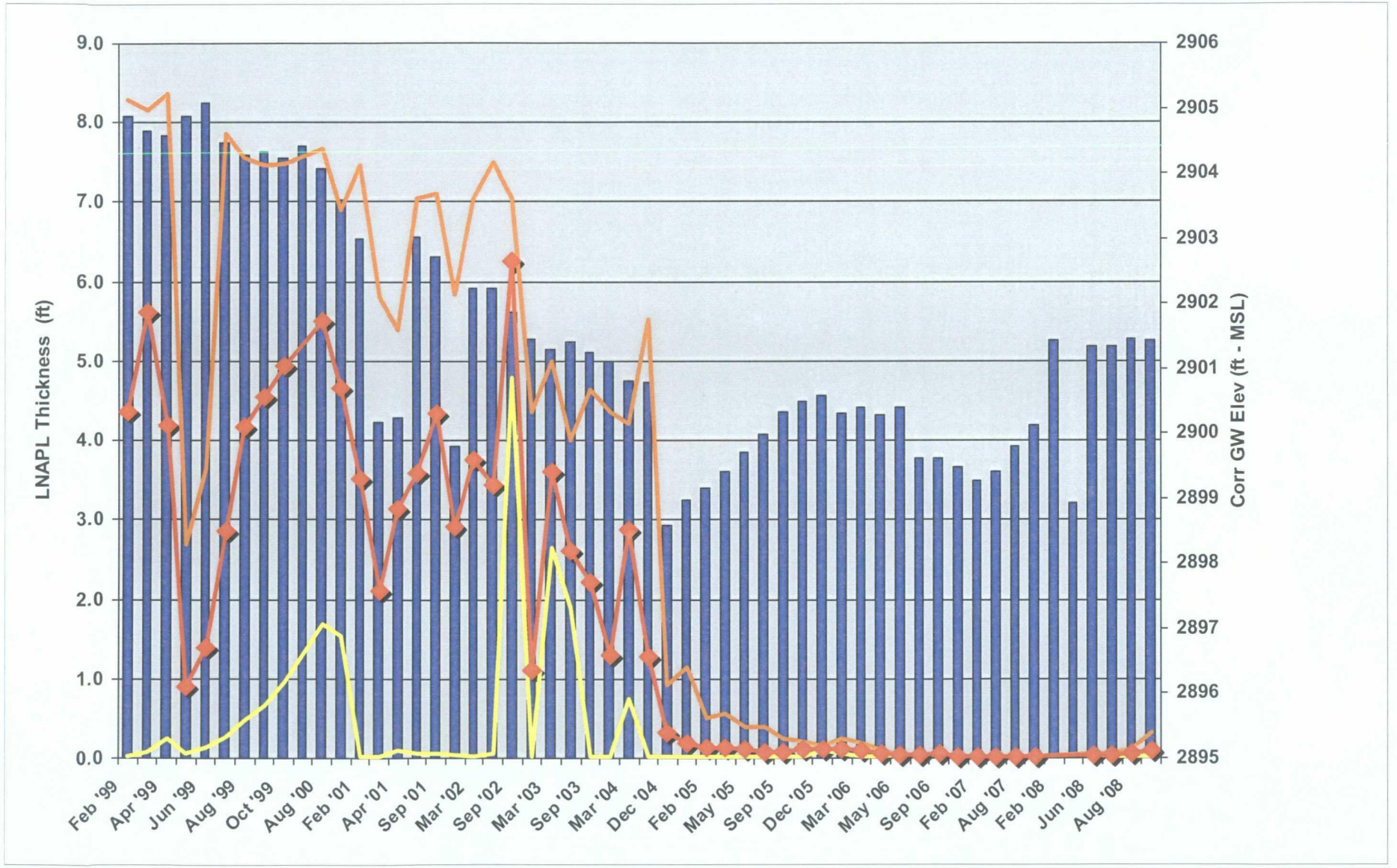
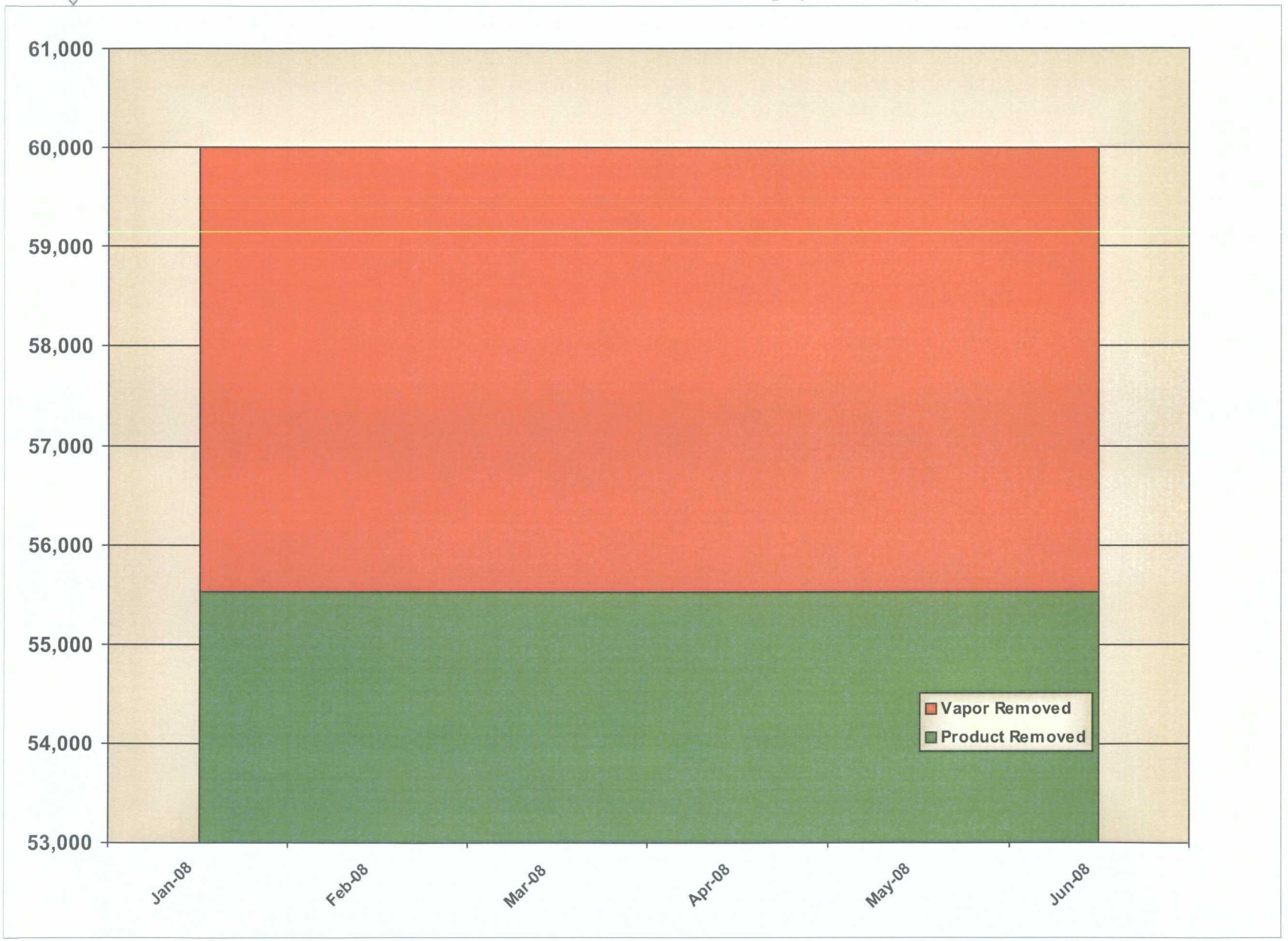


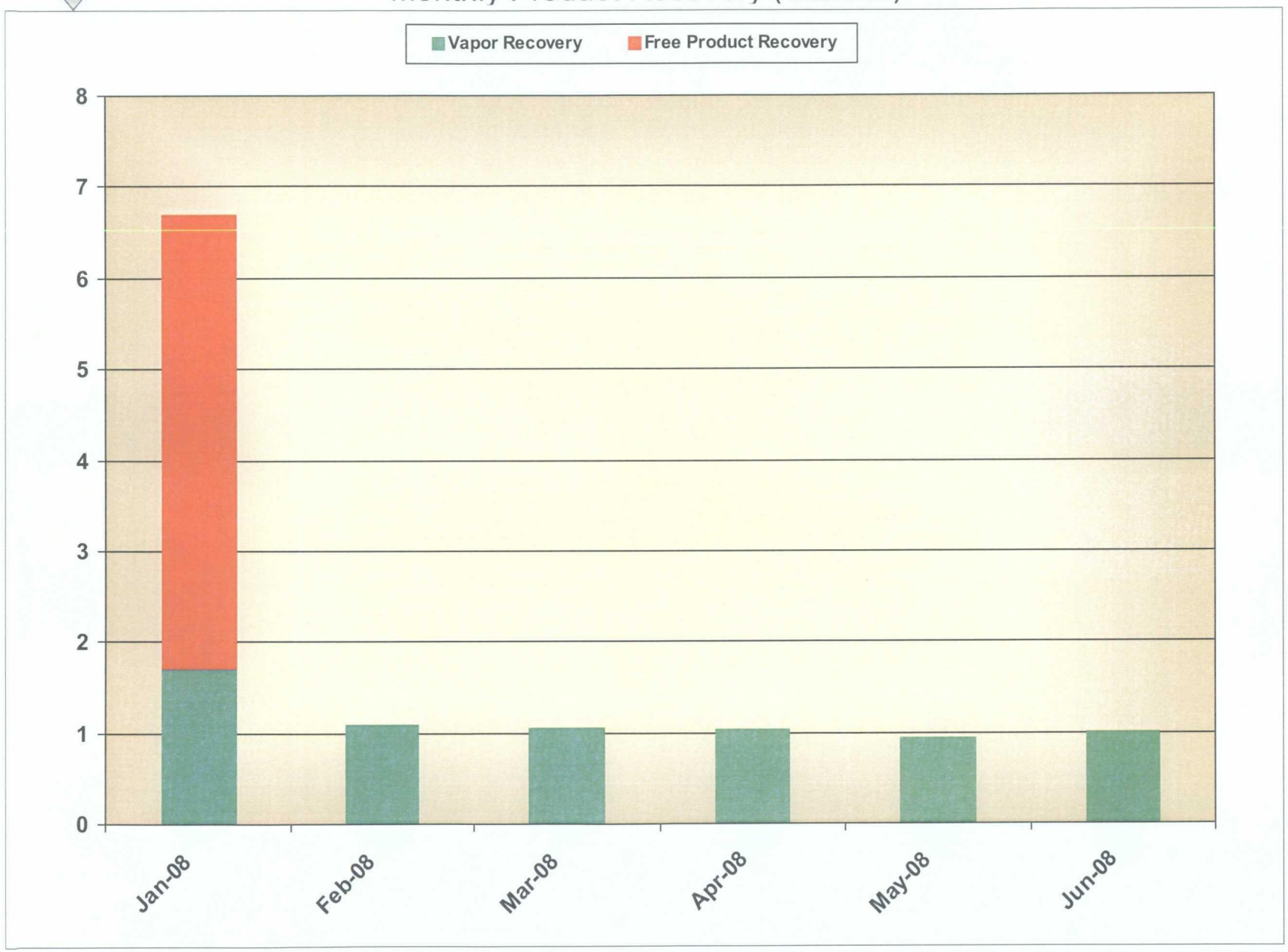
Figure 15
Cumulative Product Recovery (Gallons)



Site: Jal Pumping Station
Project: Diesel NAPL Plume

System: LRP-001 NA LRP-25
March 18, 2009

Figure 16
Monthly Product Recovery (Gallons)



Site: Jal Pumping Station
Project: Diesel NAPL Plume

System: LRP-001 NA LRP-25
March 18, 2009

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					
2/27/2008	2992.30	2994.62	TOC	85.00	94.50	91.62				2903.00
6/13/2008	2992.30	2994.62	TOC	85.00	94.50	91.37				2903.25
7/4/2008	2992.30	2994.62	TOC	85.00	94.50	91.46				2903.16
7/24/2008	2992.30	2994.62	TOC	85.00	94.50	91.50				2903.12
8/25/2008	2992.30	2994.62	TOC	85.00	94.50	91.55				2903.07
12/6/2008	2992.30	2994.62	TOC	85.00	94.50	91.85				2902.77

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					
6/7/2008	2987.02	2989.43	TOC	82.00	101.50	87.61	87.61		0.830	2901.82
7/4/2008	2987.02	2989.43	TOC	82.00	101.50	87.57	87.57		0.830	2901.86
7/24/2008	2987.02	2989.43	TOC	82.00	101.50	87.77	87.77		0.830	2901.66
8/26/2008	2987.02	2989.43	TOC	82.00	101.50	87.32	87.31	0.01	0.830	2902.12
12/8/2008	2987.02	2989.43	TOC	82.00	101.50	87.30	87.28	0.02	0.830	2902.15

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					
2/26/2008	2987.91	2990.81	TOC	85.00	100.00	88.90				2901.91
6/16/2008	2987.91	2990.81	TOC	85.00	100.00	88.35				2902.46
7/4/2008	2987.91	2990.81	TOC	85.00	100.00	88.45				2902.36
7/24/2008	2987.91	2990.81	TOC	85.00	100.00	88.41	88.41		0.830	2902.40
8/26/2008	2987.91	2990.81	TOC	85.00	100.00	88.40	88.40		0.830	2902.41
12/8/2008	2987.91	2990.81	TOC	85.00	100.00	88.34	88.34		0.830	2902.47

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					
6/15/2008	2988.22	2991.16	TOC	77.00	97.00	88.65				2902.51
7/4/2008	2988.22	2991.16	TOC	77.00	97.00	88.70				2902.46
7/24/2008	2988.22	2991.16	TOC	77.00	97.00	88.66	88.66		0.830	2902.50
8/26/2008	2988.22	2991.16	TOC	77.00	97.00	88.65	88.65		0.830	2902.51
12/8/2008	2988.22	2991.16	TOC	77.00	97.00	88.65	88.65		0.830	2902.51

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					
2/27/2008	2988.47	2991.38	TOC	80.00	95.00	88.80				2902.58
6/13/2008	2988.47	2991.38	TOC	80.00	95.00	88.62				2902.76

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

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					
7/4/2008	2988.47	2991.38	TOC	80.00	95.00	88.70				2902.68
7/24/2008	2988.47	2991.38	TOC	80.00	95.00	88.70				2902.68
8/25/2008	2988.47	2991.38	TOC	80.00	95.00	88.70				2902.68
12/6/2008	2988.47	2991.38	TOC	80.00	95.00	88.78				2902.60

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					
6/17/2008	2987.40	2990.17	TOC	80.00	95.00	88.30				2901.87
7/4/2008	2987.40	2990.17	TOC	80.00	95.00	88.25	88.25		0.830	2901.92
7/24/2008	2987.40	2990.17	TOC	80.00	95.00	88.18	88.18		0.830	2901.99
8/26/2008	2987.40	2990.17	TOC	80.00	95.00	88.07	88.07		0.830	2902.10
12/8/2008	2987.40	2990.17	TOC	80.00	95.00	88.07	88.07		0.830	2902.10

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					
6/17/2008	2987.97	2990.73	TOC	80.00	95.00	88.85	88.85		0.830	2901.88
7/4/2008	2987.97	2990.73	TOC	80.00	95.00	88.80	88.75	0.05	0.830	2901.97
7/24/2008	2987.97	2990.73	TOC	80.00	95.00	88.80	88.78	0.02	0.830	2901.95
8/26/2008	2987.97	2990.73	TOC	80.00	95.00	88.59	88.56	0.03	0.830	2902.16
12/8/2008	2987.97	2990.73	TOC	80.00	95.00	88.56	88.55	0.01	0.830	2902.18

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					
3/4/2008	2987.39	2990.31	TOC	81.00	96.00	89.32				2900.99
6/17/2008	2987.39	2990.31	TOC	81.00	96.00	88.70	88.70		0.830	2901.61
7/4/2008	2987.39	2990.31	TOC	81.00	96.00	88.65	88.65		0.830	2901.66
7/24/2008	2987.39	2990.31	TOC	81.00	96.00	88.57	88.57		0.830	2901.74
8/26/2008	2987.39	2990.31	TOC	81.00	96.00	88.48	88.48		0.830	2901.83
12/8/2008	2987.39	2990.31	TOC	81.00	96.00	88.50	88.50		0.830	2901.81

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					
3/4/2008	2987.96	2990.84	TOC	81.00	96.00	88.62				2902.22
6/15/2008	2987.96	2990.84	TOC	81.00	96.00	88.42				2902.42
7/4/2008	2987.96	2990.84	TOC	81.00	96.00	88.45				2902.39
7/24/2008	2987.96	2990.84	TOC	81.00	96.00	88.40				2902.44

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

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					
8/26/2008	2987.96	2990.84	TOC	81.00	96.00	88.45				2902.39
12/8/2008	2987.96	2990.84	TOC	81.00	96.00	88.37				2902.47

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					
2/27/2008	2989.37	2992.30	TOC	83.00	98.00	90.06				2902.24
6/13/2008	2989.37	2992.30	TOC	83.00	98.00	89.80				2902.50
7/4/2008	2989.37	2992.30	TOC	83.00	98.00	89.87				2902.43
7/24/2008	2989.37	2992.30	TOC	83.00	98.00	89.81				2902.49
8/25/2008	2989.37	2992.30	TOC	83.00	98.00	89.82				2902.48
12/6/2008	2989.37	2992.30	TOC	83.00	98.00	89.95				2902.35

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					
6/17/2008	2987.79	2990.99	TOC	81.00	96.00	89.75	89.75		0.830	2901.24
7/4/2008	2987.79	2990.99	TOC	81.00	96.00	89.70	89.70		0.830	2901.29
7/24/2008	2987.79	2990.99	TOC	81.00	96.00	89.64	89.64		0.830	2901.35
8/26/2008	2987.79	2990.99	TOC	81.00	96.00	89.45	89.45		0.830	2901.54
12/8/2008	2987.79	2990.99	TOC	81.00	96.00	89.60	89.47	0.13	0.830	2901.50

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					
2/27/2008	2989.79	2992.97	TOC	85.65	100.65	90.95				2902.02
6/14/2008	2989.79	2992.97	TOC	85.65	100.65	90.75				2902.22
7/4/2008	2989.79	2992.97	TOC	85.65	100.65	90.72				2902.25
7/24/2008	2989.79	2992.97	TOC	85.65	100.65	90.75				2902.22
8/25/2008	2989.79	2992.97	TOC	85.65	100.65	90.71				2902.26
12/6/2008	2989.79	2992.97	TOC	85.65	100.65	90.85				2902.12

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					
6/17/2008	2986.02	2989.12	TOC	86.20	101.20	88.43	88.40	0.03	0.830	2900.72
7/4/2008	2986.02	2989.12	TOC	86.20	101.20	88.43	88.41	0.02	0.830	2900.71
7/24/2008	2986.02	2989.12	TOC	86.20	101.20	88.31	88.25	0.06	0.830	2900.86
8/26/2008	2986.02	2989.12	TOC	86.20	101.20	87.98	87.87	0.11	0.830	2901.23
12/8/2008	2986.02	2989.12	TOC	86.20	101.20	88.18	87.86	0.32	0.830	2901.21

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

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					
2/27/2008	2986.45	2989.64	TOC	85.98	100.98	87.70				2901.94
6/14/2008	2986.45	2989.64	TOC	85.98	100.98	87.71				2901.93
7/4/2008	2986.45	2989.64	TOC	85.98	100.98	87.68				2901.96
7/24/2008	2986.45	2989.64	TOC	85.98	100.98	87.64				2902.00
8/25/2008	2986.45	2989.64	TOC	85.98	100.98	87.52				2902.12
12/6/2008	2986.45	2989.64	TOC	85.98	100.98	87.70				2901.94

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					
2/25/2008	2985.80	2988.71	TOC	78.50	98.50	88.81				2899.90
6/14/2008	2985.80	2988.71	TOC	78.50	98.50	88.64				2900.07
7/4/2008	2985.80	2988.71	TOC	78.50	98.50	88.67				2900.04
7/24/2008	2985.80	2988.71	TOC	78.50	98.50	88.61				2900.10
8/26/2008	2985.80	2988.71	TOC	78.50	98.50	88.51				2900.20
12/8/2008	2985.80	2988.71	TOC	78.50	98.50	88.45				2900.26

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					
2/25/2008	2985.09	2987.77	TOC	80.00	100.00	88.50				2899.27
6/14/2008	2985.09	2987.77	TOC	80.00	100.00	88.25				2899.52
7/4/2008	2985.09	2987.77	TOC	80.00	100.00	88.20				2899.57
7/24/2008	2985.09	2987.77	TOC	80.00	100.00	88.16				2899.61
8/26/2008	2985.09	2987.77	TOC	80.00	100.00	88.05				2899.72
12/7/2008	2985.09	2987.77	TOC	80.00	100.00	87.90				2899.87

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					
6/16/2008	2987.16	2989.68	TOC	75.00	95.00	87.60	87.57	0.03	0.830	2902.10
7/4/2008	2987.16	2989.68	TOC	75.00	95.00	87.68	87.65	0.03	0.830	2902.02
7/24/2008	2987.16	2989.68	TOC	75.00	95.00	87.64	87.60	0.04	0.830	2902.07
8/26/2008	2987.16	2989.68	TOC	75.00	95.00	87.52	87.48	0.04	0.830	2902.19
12/8/2008	2987.16	2989.68	TOC	75.00	95.00	87.55	87.47	0.08	0.830	2902.20

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					
6/16/2008	2988.86	2991.92	TOC	80.00	100.00	89.65	89.60	0.05	0.830	2902.31

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

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					
7/4/2008	2988.86	2991.92	TOC	80.00	100.00	89.73	89.70	0.03	0.830	2902.21
7/24/2008	2988.86	2991.92	TOC	80.00	100.00	89.70	89.65	0.05	0.830	2902.26
8/26/2008	2988.86	2991.92	TOC	80.00	100.00	89.66	89.60	0.06	0.830	2902.31
12/8/2008	2988.86	2991.92	TOC	80.00	100.00	89.67	89.65	0.02	0.830	2902.27

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					
6/17/2008	2987.22	2989.64	TOC	75.00	95.00	88.20	88.20		0.830	2901.44
7/4/2008	2987.22	2989.64	TOC	75.00	95.00	88.15	88.15		0.830	2901.49
7/24/2008	2987.22	2989.64	TOC	75.00	95.00	88.08	88.08		0.830	2901.56
8/26/2008	2987.22	2989.64	TOC	75.00	95.00	87.98	87.98		0.830	2901.66
12/8/2008	2987.22	2989.64	TOC	75.00	95.00	87.96	87.96		0.830	2901.68

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					
2/25/2008	2986.63	2989.19	TOC	78.00	98.00	89.25				2899.94
6/14/2008	2986.63	2989.19	TOC	78.00	98.00	89.00				2900.19
7/4/2008	2986.63	2989.19	TOC	78.00	98.00	88.92				2900.27
7/24/2008	2986.63	2989.19	TOC	78.00	98.00	88.88				2900.31
8/26/2008	2986.63	2989.19	TOC	78.00	98.00	88.80				2900.39
12/7/2008	2986.63	2989.19	TOC	78.00	98.00	88.75				2900.44

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					
6/16/2008	2989.24	2991.56	TOC	80.00	100.00	89.16				2902.40
7/4/2008	2989.24	2991.56	TOC	80.00	100.00	89.24				2902.32
7/24/2008	2989.24	2991.56	TOC	80.00	100.00	89.18				2902.38
8/26/2008	2989.24	2991.56	TOC	80.00	100.00	89.17				2902.39
12/8/2008	2989.24	2991.56	TOC	80.00	100.00	89.20	89.20		0.830	2902.36

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					
3/4/2008	2986.90	2991.90	TOC	80.00	120.00	96.40				2895.50
6/17/2008	2986.90	2991.90	TOC	80.00	120.00	96.02				2895.88
7/4/2008	2986.90	2991.90	TOC	80.00	120.00	96.00				2895.90
7/24/2008	2986.90	2991.90	TOC	80.00	120.00	95.95				2895.95

Table 1
GROUNDWATER MEASUREMENTS TABLE
Jal Station Diesel Remediation

Jal, NM

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					
8/26/2008	2986.90	2991.90	TOC	80.00	120.00	95.90				2896.00
12/8/2008	2986.90	2991.90	TOC	80.00	120.00	95.85				2896.05

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					
3/4/2008	2988.76	2993.76	TOC	77.00	117.00	96.80				2896.96
6/16/2008	2988.76	2993.76	TOC	77.00	117.00	96.27				2897.49
7/4/2008	2988.76	2993.76	TOC	77.00	117.00	96.37				2897.39
7/24/2008	2988.76	2993.76	TOC	77.00	117.00	96.35				2897.41
8/26/2008	2988.76	2993.76	TOC	77.00	117.00	96.27				2897.49
12/8/2008	2988.76	2993.76	TOC	77.00	117.00	96.32				2897.44

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

Jal Station Diesel Remediation

Jal, NM

Effluent

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	1/7/2008	0			5.0E-04	1.0E-02
Benzene	8021	2/5/2008	0			5.0E-04	1.0E-02
Benzene	8021	3/4/2008	0			5.0E-04	1.0E-02
Benzene	8021	4/1/2008	0			5.0E-04	1.0E-02
Benzene	8021	5/8/2008	0			5.0E-04	1.0E-02
Benzene	8021	6/24/2008	0			5.0E-04	1.0E-02
Ethylbenzene	8021	1/7/2008	0			5.2E-04	7.5E-01
Ethylbenzene	8021	2/5/2008	0			5.2E-04	7.5E-01
Ethylbenzene	8021	3/4/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	4/1/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	5/8/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	6/24/2008	0			5.0E-04	7.5E-01
m,p-Xylenes	8021	3/4/2008	0			1.4E-03	
m,p-Xylenes	8021	4/1/2008	0			1.4E-03	
m,p-Xylenes	8021	5/8/2008	0			1.4E-03	
m,p-Xylenes	8021	6/24/2008	0			1.4E-03	
o-Xylene	8021	3/4/2008	0			5.0E-04	
o-Xylene	8021	4/1/2008	0			5.0E-04	
o-Xylene	8021	5/8/2008	0			5.0E-04	
o-Xylene	8021	6/24/2008	0			5.0E-04	
Toluene	8021	1/7/2008	0			5.0E-04	7.5E-01
Toluene	8021	2/5/2008	0			5.0E-04	7.5E-01
Toluene	8021	3/4/2008	0			1.0E-03	7.5E-01
Toluene	8021	4/1/2008	0			1.0E-03	7.5E-01
Toluene	8021	5/8/2008	0			1.0E-03	7.5E-01
Toluene	8021	6/24/2008	0			1.0E-03	7.5E-01
Total BTEX	8021	3/4/2008	0			0.0E+00	
Total Xylenes	8021	1/7/2008	0			1.7E-03	6.2E-01
Total Xylenes	8021	2/5/2008	0			1.7E-03	6.2E-01
Total Xylenes	8021	3/4/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	4/1/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	5/8/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	6/24/2008	0				6.2E-01

MW-01

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02

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
Arsenic	6010	6/13/2008	0	1.5E-01			1.0E-01
Arsenic	6010	8/25/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/6/2008	0	3.0E-03			1.0E-01
Barium	6010	6/13/2008	0			3.0E-03	1.0E+00
Barium	6010	8/25/2008	0	1.9E-02			1.0E+00
Barium	6020	12/6/2008	0	1.7E-02			1.0E+00
Benzene	8021	2/27/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/13/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/25/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/6/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/6/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/13/2008	0	3.2E-02			1.0E-02
Cadmium	6010	8/25/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/6/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/13/2008	0			1.5E-03	5.0E-02
Chromium	6010	8/25/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/6/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/6/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/6/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/6/2008	0			3.0E-03	
Ethylbenzene	8021	2/27/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/13/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/25/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/6/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/6/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Lead	6010	6/13/2008	0	6.4E-02			5.0E-02
Lead	6010	8/25/2008	0			4.0E-03	5.0E-02
Lead	6020	12/6/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/13/2008	0			1.0E-03	
m,p-Xylene	8260	8/25/2008	0			1.0E-03	
m,p-Xylene	8260	12/6/2008	0			1.0E-03	
m,p-Xylenes	8021	2/27/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/6/2008	0			2.5E-03	

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
Naphthalene	8270	12/6/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/27/2008	0			5.0E-04	
o-Xylene	8260	6/13/2008	0			5.0E-04	
o-Xylene	8260	8/25/2008	0			5.0E-04	
o-Xylene	8260	12/6/2008	0			5.0E-04	
Phenanthrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/13/2008	0			3.0E-03	5.0E-02
Selenium	6010	8/25/2008	0	1.5E-02			5.0E-02
Selenium	6020	12/6/2008	0	1.3E-02			5.0E-02
Silver	6010	6/13/2008	0			1.0E-03	5.0E-02
Silver	6010	8/25/2008	0			1.0E-03	5.0E-02
Silver	6020	12/6/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/6/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/6/2008	0			5.0E-03	
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/13/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/25/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/6/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/27/2008	0			0.0E+00	
Total Mercury	7470	6/13/2008	0	1.0E-04			2.0E-03
Total Mercury	7470	8/25/2008	0	1.0E-04			2.0E-03
Total Mercury	7470	12/6/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/27/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	6/13/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/25/2008	0				6.2E-01

MW-02

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	2/26/2008	0	6.1E-03			1.0E-02
Ethylbenzene	8021	2/26/2008	0	9.9E-03			7.5E-01
m,p-Xylenes	8021	2/26/2008	0	2.5E-03			
o-Xylene	8021	2/26/2008	0	2.2E-03			
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Total BTEX	8021	2/26/2008	0	2.1E-02			
Total Xylenes	8021	2/26/2008	0	4.7E-03			6.2E-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
Arsenic	6010	6/16/2008	0			3.0E-03	1.0E-01
Barium	6010	6/16/2008	0	2.1E-01			1.0E+00
Benzene	8021	2/26/2008	0		U	5.0E-04	1.0E-02
Benzene	8260	6/16/2008	0			5.0E-04	1.0E-02
Cadmium	6010	6/16/2008	0	2.9E-02			1.0E-02
Chromium	6010	6/16/2008	0	5.4E-02			5.0E-02
Ethylbenzene	8021	2/26/2008	0	9.4E-03			7.5E-01
Ethylbenzene	8260	6/16/2008	0			5.0E-04	7.5E-01
Lead	6010	6/16/2008	0	1.5E-01			5.0E-02
m,p-Xylene	8260	6/16/2008	0			1.0E-03	
m,p-Xylenes	8021	2/26/2008	0	6.4E-03			
o-Xylene	8021	2/26/2008	0	3.4E-02			
o-Xylene	8260	6/16/2008	0	1.7E-03			
Selenium	6010	6/16/2008	0			3.0E-03	5.0E-02
Silver	6010	6/16/2008	0			1.0E-03	5.0E-02
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/16/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/26/2008	0	5.0E-02			
Total Mercury	7470	6/16/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/26/2008	0	4.1E-02			6.2E-01
Total Xylenes	8260	6/16/2008	0	1.7E-03			6.2E-01

MW-04

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Arsenic	6010	6/15/2008	0			3.0E-03	1.0E-01
Barium	6010	6/15/2008	0	3.2E-01			1.0E+00
Benzene	8021	2/26/2008	0		U	5.0E-04	1.0E-02
Benzene	8260	6/15/2008	0			5.0E-04	1.0E-02
Cadmium	6010	6/15/2008	0	2.5E-02			1.0E-02
Chromium	6010	6/15/2008	0	1.5E-02			5.0E-02
Ethylbenzene	8021	2/26/2008	0		U	5.0E-04	7.5E-01
Ethylbenzene	8260	6/15/2008	0			5.0E-04	7.5E-01
Lead	6010	6/15/2008	0	1.4E-01			5.0E-02
m,p-Xylene	8260	6/15/2008	0			1.0E-03	
m,p-Xylenes	8021	2/26/2008	0		U	1.4E-03	
o-Xylene	8021	2/26/2008	0		U	5.0E-04	
o-Xylene	8260	6/15/2008	0			5.0E-04	
Selenium	6010	6/15/2008	0	1.4E-01			5.0E-02
Silver	6010	6/15/2008	0			1.0E-03	5.0E-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
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/15/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/26/2008	0		U		
Total Mercury	7470	6/15/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/26/2008	0		U		6.2E-01
Total Xylenes	8260	6/15/2008	0			0.0E+00	6.2E-01

MW-05

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/13/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/25/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/6/2008	0	8.0E-03			1.0E-01
Barium	6010	6/13/2008	0	8.4E-02			1.0E+00
Barium	6010	8/25/2008	0	9.9E-02			1.0E+00
Barium	6020	12/6/2008	0	8.6E-02			1.0E+00
Benzene	8021	2/27/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/13/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/25/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/6/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/6/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/13/2008	0	2.9E-02			1.0E-02
Cadmium	6010	8/25/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/6/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/13/2008	0	3.6E-02			5.0E-02
Chromium	6010	8/25/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/6/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/6/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/6/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/6/2008	0			3.0E-03	
Ethylbenzene	8021	2/27/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/13/2008	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-05

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Ethylbenzene	8260	8/25/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/6/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/6/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Lead	6010	6/13/2008	0	2.7E-01			5.0E-02
Lead	6010	8/25/2008	0			4.0E-03	5.0E-02
Lead	6020	12/6/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/13/2008	0			1.0E-03	
m,p-Xylene	8260	8/25/2008	0			1.0E-03	
m,p-Xylene	8260	12/6/2008	0			1.0E-03	
m,p-Xylenes	8021	2/27/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/6/2008	0			2.5E-03	
Naphthalene	8270	12/6/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/27/2008	0			5.0E-04	
o-Xylene	8260	6/13/2008	0			5.0E-04	
o-Xylene	8260	8/25/2008	0			5.0E-04	
o-Xylene	8260	12/6/2008	0			5.0E-04	
Phenanthrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/13/2008	0	1.1E-02			5.0E-02
Selenium	6010	8/25/2008	0			3.0E-03	5.0E-02
Selenium	6020	12/6/2008	0			1.0E-03	5.0E-02
Silver	6010	6/13/2008	0			1.0E-03	5.0E-02
Silver	6010	8/25/2008	0			1.0E-03	5.0E-02
Silver	6020	12/6/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/6/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/6/2008	0			5.0E-03	
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/13/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/25/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/6/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/27/2008	0			0.0E+00	
Total Mercury	7470	6/13/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/25/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	12/6/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/27/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	6/13/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/25/2008	0				6.2E-01

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
Arsenic	6010	6/17/2008	0	1.8E-01			1.0E-01
Barium	6010	6/17/2008	0	8.1E-02			1.0E+00
Benzene	8021	2/26/2008	0	1.3E-02			1.0E-02
Benzene	8260	6/17/2008	0	5.4E-03			1.0E-02
Cadmium	6010	6/17/2008	0	3.2E-02			1.0E-02
Chromium	6010	6/17/2008	0	2.8E-02			5.0E-02
Ethylbenzene	8021	2/26/2008	0	1.2E-02			7.5E-01
Ethylbenzene	8260	6/17/2008	0	2.3E-03			7.5E-01
Lead	6010	6/17/2008	0	1.3E-01			5.0E-02
m,p-Xylene	8260	6/17/2008	0			1.0E-03	
m,p-Xylenes	8021	2/26/2008	0	3.8E-03			
o-Xylene	8021	2/26/2008	0	1.2E-02			
o-Xylene	8260	6/17/2008	0	1.4E-03			
Selenium	6010	6/17/2008	0	3.1E-01			5.0E-02
Silver	6010	6/17/2008	0			1.0E-03	5.0E-02
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/17/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/26/2008	0	4.0E-02			
Total Mercury	7470	6/17/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/26/2008	0	1.5E-02			6.2E-01
Total Xylenes	8260	6/17/2008	0	1.4E-03			6.2E-01

MW-08

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	2/26/2008	0		U	5.0E-04	1.0E-02
Ethylbenzene	8021	2/26/2008	0		U	5.0E-04	7.5E-01
m,p-Xylenes	8021	2/26/2008	0		U	1.4E-03	
o-Xylene	8021	2/26/2008	0		U	5.0E-04	
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Total BTEX	8021	2/26/2008	0		U		
Total Xylenes	8021	2/26/2008	0		U		6.2E-01

MW-09

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	1/28/2008	0			1.0E-03	3.0E-02
Anthracene	8270	1/28/2008	0			1.0E-03	3.0E-02
Arsenic	6010	1/28/2008	0	3.0E-02			1.0E-01

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
Barium	6010	1/28/2008	0	1.9E-01			1.0E+00
Benzene	8021	1/28/2008	0			5.0E-04	1.0E-02
Benzene	8021	3/4/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	1/28/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	1/28/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	1/28/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Cadmium	6010	1/28/2008	0	1.7E-03			1.0E-02
Chromium	6010	1/28/2008	0			2.0E-03	5.0E-02
Chrysene	8270	1/28/2008	0			1.0E-03	3.0E-02
Dibenzo(a,h)anthracene	8270	1/28/2008	0			1.0E-03	3.0E-02
Diisopropyl Ether	8260	1/28/2008	0			5.0E-04	
Ethyl tert-Butyl Ether	8260	1/28/2008	0			3.3E-04	
Ethylbenzene	8021	1/28/2008	0	3.6E-03			7.5E-01
Ethylbenzene	8021	3/4/2008	0	2.9E-02			7.5E-01
Fluoranthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Fluorene	8270	1/28/2008	0	9.0E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	1/28/2008	0			1.0E-03	3.0E-02
Lead	6010	1/28/2008	0			3.6E-03	5.0E-02
m,p-Xylenes	8021	3/4/2008	0	9.0E-03			
Methyl tert-Butyl Ether	8260	1/28/2008	0			4.2E-04	
Naphthalene	8270	1/28/2008	0	2.5E-02			3.0E-02
o-Xylene	8021	3/4/2008	0	4.7E-03			
Phenanthrene	8270	1/28/2008	0	1.5E-02			3.0E-02
Pyrene	8270	1/28/2008	0	5.7E-03			3.0E-02
Selenium	6010	1/28/2008	0	1.5E-02			5.0E-02
Silver	6010	1/28/2008	0			3.0E-03	5.0E-02
Tert-Amyl Methyl Ether	8260	1/28/2008	0			4.5E-04	
Tertiary Butyl Alcohol	8260	1/28/2008	0			6.4E-03	
Toluene	8021	1/28/2008	0			5.0E-04	7.5E-01
Toluene	8021	3/4/2008	0			1.0E-03	7.5E-01
Total BTEX	8021	3/4/2008	0	4.3E-02			
Total Mercury	7470	1/28/2008	0			1.0E-04	2.0E-03
Total Xylenes	8021	1/28/2008	0	3.3E-03			6.2E-01
Total Xylenes	8021	3/4/2008	0	1.4E-02			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
Acenaphthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Acenaphthylene	8270	12/8/2008	0			2.0E-03	3.0E-02
Anthracene	8270	12/8/2008	0			2.0E-03	3.0E-02
Arsenic	6010	6/15/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/26/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/8/2008	0	8.0E-03			1.0E-01
Barium	6010	6/15/2008	0	9.9E-02			1.0E+00
Barium	6010	8/26/2008	0	1.1E-01			1.0E+00
Barium	6020	12/8/2008	0	1.4E-01			1.0E+00
Benzene	8021	3/4/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/15/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/26/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/8/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/8/2008	0			2.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/8/2008	0			2.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/8/2008	0			2.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Cadmium	6010	6/15/2008	0	2.1E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/8/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/15/2008	0	2.5E-02			5.0E-02
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/8/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/8/2008	0			2.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/8/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/8/2008	0			2.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/8/2008	0			3.0E-03	
Ethylbenzene	8021	3/4/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/15/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/26/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/8/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Fluorene	8270	12/8/2008	0			2.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/8/2008	0			2.0E-03	3.0E-02
Lead	6010	6/15/2008	0	1.6E-01			5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
Lead	6020	12/8/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/15/2008	0			1.0E-03	
m,p-Xylene	8260	8/26/2008	0			1.0E-03	

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
m,p-Xylene	8260	12/8/2008	0			1.0E-03	
m,p-Xylenes	8021	3/4/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/8/2008	0			2.5E-03	
Naphthalene	8270	12/8/2008	0			2.0E-03	3.0E-02
o-Xylene	8021	3/4/2008	0	1.1E-03			
o-Xylene	8260	6/15/2008	0			5.0E-04	
o-Xylene	8260	8/26/2008	0			5.0E-04	
o-Xylene	8260	12/8/2008	0			5.0E-04	
Phenanthrene	8270	12/8/2008	0			3.0E-03	3.0E-02
Pyrene	8270	12/8/2008	0			2.0E-03	3.0E-02
Selenium	6010	6/15/2008	0	4.1E-01			5.0E-02
Selenium	6010	8/26/2008	0			3.0E-03	5.0E-02
Selenium	6020	12/8/2008	0			1.0E-03	5.0E-02
Silver	6010	6/15/2008	0			1.0E-03	5.0E-02
Silver	6010	8/26/2008	0			1.0E-03	5.0E-02
Silver	6020	12/8/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/8/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/8/2008	0			5.0E-03	
Toluene	8021	3/4/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/15/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/26/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/8/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	3/4/2008	0	1.1E-03			
Total Mercury	7470	6/15/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0	2.0E-04			2.0E-03
Total Mercury	7470	12/8/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	3/4/2008	0	1.1E-03			6.2E-01
Total Xylenes	8260	6/15/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/26/2008	0				6.2E-01

MW-11

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/13/2008	0	1.3E-01			1.0E-01
Arsenic	6010	8/25/2008	0	1.0E-02			1.0E-01
Arsenic	6020	12/6/2008	0	9.0E-03			1.0E-01
Barium	6010	6/13/2008	0	2.3E-02			1.0E+00

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
Barium	6010	8/25/2008	0	2.1E-02			1.0E+00
Barium	6020	12/6/2008	0	1.8E-02			1.0E+00
Benzene	8021	2/27/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/13/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/25/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/6/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/6/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/13/2008	0	2.7E-02			1.0E-02
Cadmium	6010	8/25/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/6/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/13/2008	0	5.2E-02			5.0E-02
Chromium	6010	8/25/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/6/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/6/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/6/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/6/2008	0			3.0E-03	
Ethylbenzene	8021	2/27/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/13/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/25/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/6/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/6/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Lead	6010	6/13/2008	0	1.4E-01			5.0E-02
Lead	6010	8/25/2008	0			4.0E-03	5.0E-02
Lead	6020	12/6/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/13/2008	0			1.0E-03	
m,p-Xylene	8260	8/25/2008	0			1.0E-03	
m,p-Xylene	8260	12/6/2008	0			1.0E-03	
m,p-Xylenes	8021	2/27/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/6/2008	0			2.5E-03	
Naphthalene	8270	12/6/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/27/2008	0			5.0E-04	
o-Xylene	8260	6/13/2008	0			5.0E-04	
o-Xylene	8260	8/25/2008	0			5.0E-04	

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
o-Xylene	8260	12/6/2008	0			5.0E-04	
Phenanthrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/13/2008	0	3.1E-02			5.0E-02
Selenium	6010	8/25/2008	0			3.0E-03	5.0E-02
Selenium	6020	12/6/2008	0	6.0E-03			5.0E-02
Silver	6010	6/13/2008	0			1.0E-03	5.0E-02
Silver	6010	8/25/2008	0			1.0E-03	5.0E-02
Silver	6020	12/6/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/6/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/6/2008	0			5.0E-03	
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/13/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/25/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/6/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/27/2008	0			0.0E+00	
Total Mercury	7470	6/13/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/25/2008	0	2.0E-04			2.0E-03
Total Mercury	7470	12/6/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/27/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	6/13/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/25/2008	0				6.2E-01

MW-12

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	2/26/2008	0		U	5.0E-04	1.0E-02
Ethylbenzene	8021	2/26/2008	0	8.3E-03			7.5E-01
m,p-Xylenes	8021	2/26/2008	0	1.1E-02			
o-Xylene	8021	2/26/2008	0	8.4E-03			
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Total BTEX	8021	2/26/2008	0	2.8E-02			
Total Xylenes	8021	2/26/2008	0	2.0E-02			6.2E-01

MW-13

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02

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
Arsenic	6010	6/14/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/25/2008	0	1.2E-02			1.0E-01
Arsenic	6020	12/6/2008	0	1.0E-02			1.0E-01
Barium	6010	6/14/2008	0	1.4E-01			1.0E+00
Barium	6010	8/25/2008	0	1.5E-01			1.0E+00
Barium	6020	12/6/2008	0	1.2E-01			1.0E+00
Benzene	8021	2/27/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/14/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/25/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/6/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/6/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/14/2008	0	2.4E-02			1.0E-02
Cadmium	6010	8/25/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/6/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/14/2008	0			1.5E-03	5.0E-02
Chromium	6010	8/25/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/6/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/6/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/6/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/6/2008	0			3.0E-03	
Ethylbenzene	8021	2/27/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/14/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/25/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/6/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/6/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Lead	6010	6/14/2008	0			4.0E-03	5.0E-02
Lead	6010	8/25/2008	0			4.0E-03	5.0E-02
Lead	6020	12/6/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/14/2008	0			1.0E-03	
m,p-Xylene	8260	8/25/2008	0			1.0E-03	
m,p-Xylene	8260	12/6/2008	0			1.0E-03	
m,p-Xylenes	8021	2/27/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/6/2008	0			2.5E-03	

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
Naphthalene	8270	12/6/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/27/2008	0			5.0E-04	
o-Xylene	8260	6/14/2008	0			5.0E-04	
o-Xylene	8260	8/25/2008	0			5.0E-04	
o-Xylene	8260	12/6/2008	0			5.0E-04	
Phenanthrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/14/2008	0			3.0E-03	5.0E-02
Selenium	6010	8/25/2008	0			3.0E-03	5.0E-02
Selenium	6020	12/6/2008	0	6.0E-03			5.0E-02
Silver	6010	6/14/2008	0			1.0E-03	5.0E-02
Silver	6010	8/25/2008	0			1.0E-03	5.0E-02
Silver	6020	12/6/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/6/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/6/2008	0			5.0E-03	
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/14/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/25/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/6/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/27/2008	0			0.0E+00	
Total Mercury	7470	6/14/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/25/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	12/6/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/27/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	6/14/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/25/2008	0				6.2E-01

MW-14

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	2/27/2008	0	1.6E-03			1.0E-02
Ethylbenzene	8021	2/27/2008	0	3.2E-03			7.5E-01
m,p-Xylenes	8021	2/27/2008	0	2.6E-03			
o-Xylene	8021	2/27/2008	0	1.5E-03			
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Total BTEX	8021	2/27/2008	0	8.9E-03			
Total Xylenes	8021	2/27/2008	0	4.1E-03			6.2E-01

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
Acenaphthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/14/2008	0	1.2E-01			1.0E-01
Arsenic	6010	8/25/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/6/2008	0	1.0E-02			1.0E-01
Barium	6010	6/14/2008	0	1.6E-02			1.0E+00
Barium	6010	8/25/2008	0	2.1E-02			1.0E+00
Barium	6020	12/6/2008	0	2.7E-02			1.0E+00
Benzene	8021	2/27/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/14/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/25/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/6/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/6/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/6/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/14/2008	0	2.4E-02			1.0E-02
Cadmium	6010	8/25/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/6/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/14/2008	0			1.5E-03	5.0E-02
Chromium	6010	8/25/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/6/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/6/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/6/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/6/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/6/2008	0			3.0E-03	
Ethylbenzene	8021	2/27/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/14/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/25/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/6/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/6/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/6/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Lead	6010	6/14/2008	0	2.1E-01			5.0E-02
Lead	6010	8/25/2008	0			4.0E-03	5.0E-02
Lead	6020	12/6/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/14/2008	0			1.0E-03	
m,p-Xylene	8260	8/25/2008	0			1.0E-03	

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
m,p-Xylene	8260	12/6/2008	0			1.0E-03	
m,p-Xylenes	8021	2/27/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/6/2008	0			2.5E-03	
Naphthalene	8270	12/6/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/27/2008	0			5.0E-04	
o-Xylene	8260	6/14/2008	0			5.0E-04	
o-Xylene	8260	8/25/2008	0			5.0E-04	
o-Xylene	8260	12/6/2008	0			5.0E-04	
Phenanthrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/6/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/14/2008	0			3.0E-03	5.0E-02
Selenium	6010	8/25/2008	0	2.0E-02			5.0E-02
Selenium	6020	12/6/2008	0	2.0E-02			5.0E-02
Silver	6010	6/14/2008	0			1.0E-03	5.0E-02
Silver	6010	8/25/2008	0			1.0E-03	5.0E-02
Silver	6020	12/6/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/6/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/6/2008	0			5.0E-03	
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/14/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/25/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/6/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/27/2008	0			0.0E+00	
Total Mercury	7470	6/14/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/25/2008	0	1.0E-04			2.0E-03
Total Mercury	7470	12/6/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/27/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	6/14/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/25/2008	0				6.2E-01

MW-16

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/8/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/8/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/14/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/26/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/8/2008	0	8.0E-03			1.0E-01
Barium	6010	6/14/2008	0	1.7E-02			1.0E+00

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
Barium	6010	8/26/2008	0	3.0E-02			1.0E+00
Barium	6020	12/8/2008	0	2.5E-02			1.0E+00
Benzene	8021	2/25/2008	0		U	5.0E-04	1.0E-02
Benzene	8260	6/14/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/26/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/8/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/8/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/8/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/8/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/14/2008	0	1.2E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/8/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/14/2008	0	4.0E-02			5.0E-02
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/8/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/8/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/8/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/8/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/8/2008	0			3.0E-03	
Ethylbenzene	8021	2/25/2008	0		U	5.0E-04	7.5E-01
Ethylbenzene	8260	6/14/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/26/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/8/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/8/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/8/2008	0			1.0E-03	3.0E-02
Lead	6010	6/14/2008	0	1.2E-01			5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
Lead	6020	12/8/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/14/2008	0			1.0E-03	
m,p-Xylene	8260	8/26/2008	0			1.0E-03	
m,p-Xylene	8260	12/8/2008	0			1.0E-03	
m,p-Xylenes	8021	2/25/2008	0		U	1.4E-03	
Methyl tert butyl Ether	8260	12/8/2008	0			2.5E-03	
Naphthalene	8270	12/8/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/25/2008	0		U	5.0E-04	
o-Xylene	8260	6/14/2008	0			5.0E-04	
o-Xylene	8260	8/26/2008	0			5.0E-04	

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
o-Xylene	8260	12/8/2008	0			5.0E-04	
Phenanthrene	8270	12/8/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/8/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/14/2008	0	3.8E-01			5.0E-02
Selenium	6010	8/26/2008	0	6.8E-02			5.0E-02
Selenium	6020	12/8/2008	0	5.2E-02			5.0E-02
Silver	6010	6/14/2008	0			1.0E-03	5.0E-02
Silver	6010	8/26/2008	0			1.0E-03	5.0E-02
Silver	6020	12/8/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/8/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/8/2008	0			5.0E-03	
Toluene	8021	2/25/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/14/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/26/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/8/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/25/2008	0		U		
Total Mercury	7470	6/14/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	12/8/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/25/2008	0		U		6.2E-01
Total Xylenes	8260	6/14/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/26/2008	0				6.2E-01

MW-17

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/7/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/7/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/14/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/26/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/7/2008	0	4.0E-03			1.0E-01
Barium	6010	6/14/2008	0	3.2E-02			1.0E+00
Barium	6010	8/26/2008	0	3.6E-02			1.0E+00
Barium	6020	12/7/2008	0	3.2E-02			1.0E+00
Benzene	8021	2/25/2008	0		U	5.0E-04	1.0E-02
Benzene	8260	6/14/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/26/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/7/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/7/2008	0			1.0E-03	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
Benzo(a)pyrene	8270	12/7/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/7/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/14/2008	0	2.4E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/7/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/14/2008	0			1.5E-03	5.0E-02
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/7/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/7/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/7/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/7/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/7/2008	0			3.0E-03	
Ethylbenzene	8021	2/25/2008	0		U	5.0E-04	7.5E-01
Ethylbenzene	8260	6/14/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/26/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/7/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/7/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/7/2008	0			1.0E-03	3.0E-02
Lead	6010	6/14/2008	0	7.8E-02			5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
Lead	6020	12/7/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/14/2008	0			1.0E-03	
m,p-Xylene	8260	8/26/2008	0			1.0E-03	
m,p-Xylene	8260	12/7/2008	0			1.0E-03	
m,p-Xylenes	8021	2/25/2008	0		U	1.4E-03	
Methyl tert butyl Ether	8260	12/7/2008	0			2.5E-03	
Naphthalene	8270	12/7/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/25/2008	0		U	5.0E-04	
o-Xylene	8260	6/14/2008	0			5.0E-04	
o-Xylene	8260	8/26/2008	0			5.0E-04	
o-Xylene	8260	12/7/2008	0			5.0E-04	
Phenanthrene	8270	12/7/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/7/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/14/2008	0	4.4E-01			5.0E-02
Selenium	6010	8/26/2008	0	1.5E-02			5.0E-02
Selenium	6020	12/7/2008	0	1.0E-02			5.0E-02
Silver	6010	6/14/2008	0			1.0E-03	5.0E-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
Silver	6010	8/26/2008	0			1.0E-03	5.0E-02
Silver	6020	12/7/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/7/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/7/2008	0			5.0E-03	
Toluene	8021	2/25/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/14/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/26/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/7/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/25/2008	0		U		
Total Mercury	7470	6/14/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	12/7/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/25/2008	0		U		6.2E-01
Total Xylenes	8260	6/14/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/26/2008	0				6.2E-01

MW-18

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	2/26/2008	0	7.2E-02			1.0E-02
Ethylbenzene	8021	2/26/2008	0	1.5E-01			7.5E-01
m,p-Xylenes	8021	2/26/2008	0	1.2E-02			
o-Xylene	8021	2/26/2008	0	1.3E-02			
Toluene	8021	2/26/2008	0	2.1E-03			7.5E-01
Total BTEX	8021	2/26/2008	0	2.5E-01			
Total Xylenes	8021	2/26/2008	0	2.5E-02			6.2E-01

MW-19

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8021	2/26/2008	0	2.6E-03			1.0E-02
Ethylbenzene	8021	2/26/2008	0	2.3E-02			7.5E-01
m,p-Xylenes	8021	2/26/2008	0	1.8E-02			
o-Xylene	8021	2/26/2008	0	8.0E-03			
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Total BTEX	8021	2/26/2008	0	5.1E-02			
Total Xylenes	8021	2/26/2008	0	2.6E-02			6.2E-01

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
Acenaphthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	1/28/2008	0			1.0E-03	3.0E-02
Anthracene	8270	1/28/2008	0			1.0E-03	3.0E-02
Arsenic	6010	1/28/2008	0	3.2E-02			1.0E-01
Barium	6010	1/28/2008	0	3.5E+00			1.0E+00
Benzene	8021	1/28/2008	0	3.0E-02	C4		1.0E-02
Benzene	8021	2/26/2008	0	2.5E-02			1.0E-02
Benzo(a)anthracene	8270	1/28/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	1/28/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	1/28/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Cadmium	6010	1/28/2008	0	2.0E-03			1.0E-02
Chromium	6010	1/28/2008	0			2.0E-03	5.0E-02
Chrysene	8270	1/28/2008	0			1.0E-03	3.0E-02
Dibenzo(a,h)anthracene	8270	1/28/2008	0			1.0E-03	3.0E-02
Diisopropyl Ether	8260	1/28/2008	0			5.0E-04	
Ethyl tert-Butyl Ether	8260	1/28/2008	0			3.3E-04	
Ethylbenzene	8021	1/28/2008	0	8.7E-02	C4		7.5E-01
Ethylbenzene	8021	2/26/2008	0	2.1E-02			7.5E-01
Fluoranthene	8270	1/28/2008	0			1.0E-03	3.0E-02
Fluorene	8270	1/28/2008	0	1.5E-02			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	1/28/2008	0			1.0E-03	3.0E-02
Lead	6010	1/28/2008	0			3.6E-03	5.0E-02
m,p-Xylenes	8021	2/26/2008	0	1.6E-02			
Methyl tert-Butyl Ether	8260	1/28/2008	0	2.9E-02			
Naphthalene	8270	1/28/2008	0	3.1E-02			3.0E-02
o-Xylene	8021	2/26/2008	0	3.9E-03			
Phenanthrene	8270	1/28/2008	0	2.8E-02			3.0E-02
Pyrene	8270	1/28/2008	0	1.7E-02			3.0E-02
Selenium	6010	1/28/2008	0	2.5E-02			5.0E-02
Silver	6010	1/28/2008	0			3.0E-03	5.0E-02
Tert-Amyl Methyl Ether	8260	1/28/2008	0			4.5E-04	
Tertiary Butyl Alcohol	8260	1/28/2008	0			6.4E-03	
Toluene	8021	1/28/2008	0		C4	5.0E-04	7.5E-01
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Total BTEX	8021	2/26/2008	0	6.6E-02			
Total Mercury	7470	1/28/2008	0			1.0E-04	2.0E-03
Total Xylenes	8021	1/28/2008	0	2.5E-02	C4		6.2E-01
Total Xylenes	8021	2/26/2008	0	2.0E-02			6.2E-01

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
Acenaphthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/7/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/7/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/14/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/26/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/7/2008	0	3.0E-03			1.0E-01
Barium	6010	6/14/2008	0	4.1E-02			1.0E+00
Barium	6010	8/26/2008	0	4.3E-02			1.0E+00
Barium	6020	12/7/2008	0	3.4E-02			1.0E+00
Benzene	8021	2/25/2008	0		U	5.0E-04	1.0E-02
Benzene	8260	6/14/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/26/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/7/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/7/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/7/2008	0			1.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/7/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/14/2008	0	3.3E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/7/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/14/2008	0	5.4E-02			5.0E-02
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/7/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/7/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/7/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/7/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/7/2008	0			3.0E-03	
Ethylbenzene	8021	2/25/2008	0		U	5.0E-04	7.5E-01
Ethylbenzene	8260	6/14/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/26/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/7/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/7/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/7/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/7/2008	0			1.0E-03	3.0E-02
Lead	6010	6/14/2008	0	2.2E-01			5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
Lead	6020	12/7/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/14/2008	0			1.0E-03	
m,p-Xylene	8260	8/26/2008	0			1.0E-03	

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
m,p-Xylene	8260	12/7/2008	0			1.0E-03	
m,p-Xylenes	8021	2/25/2008	0		U	1.4E-03	
Methyl tert butyl Ether	8260	12/7/2008	0			2.5E-03	
Naphthalene	8270	12/7/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	2/25/2008	0		U	5.0E-04	
o-Xylene	8260	6/14/2008	0			5.0E-04	
o-Xylene	8260	8/26/2008	0			5.0E-04	
o-Xylene	8260	12/7/2008	0			5.0E-04	
Phenanthrene	8270	12/7/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/7/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/14/2008	0	4.1E-02			5.0E-02
Selenium	6010	8/26/2008	0			3.0E-03	5.0E-02
Selenium	6020	12/7/2008	0	7.0E-03			5.0E-02
Silver	6010	6/14/2008	0			1.0E-03	5.0E-02
Silver	6010	8/26/2008	0			1.0E-03	5.0E-02
Silver	6020	12/7/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/7/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/7/2008	0			5.0E-03	
Toluene	8021	2/25/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/14/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/26/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/7/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/25/2008	0		U		
Total Mercury	7470	6/14/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0	2.0E-04			2.0E-03
Total Mercury	7470	12/7/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	2/25/2008	0		U		6.2E-01
Total Xylenes	8260	6/14/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/26/2008	0				6.2E-01

MW-22

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	1/28/2008	0			1.1E-03	3.0E-02
Acenaphthylene	8270	1/28/2008	0			1.1E-03	3.0E-02
Anthracene	8270	1/28/2008	0			1.1E-03	3.0E-02
Arsenic	6010	1/28/2008	0	3.1E-02			1.0E-01
Arsenic	6010	6/16/2008	0	3.1E-01			1.0E-01
Arsenic	6010	8/26/2008	0	2.6E-02			1.0E-01
Barium	6010	1/28/2008	0	8.6E-02			1.0E+00

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
Barium	6010	6/16/2008	0	1.5E-01			1.0E+00
Barium	6010	8/26/2008	0	1.1E-01			1.0E+00
Benzene	8021	1/28/2008	0			5.0E-04	1.0E-02
Benzene	8021	2/26/2008	0		U	5.0E-04	1.0E-02
Benzene	8260	6/16/2008	0	5.0E-03			1.0E-02
Benzene	8260	8/26/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	1/28/2008	0			1.1E-03	3.0E-02
Benzo(a)pyrene	8270	1/28/2008	0			1.1E-03	7.0E-04
Benzo(b)fluoranthene	8270	1/28/2008	0			1.1E-03	3.0E-02
Benzo(g,h,i)perylene	8270	1/28/2008	0			1.1E-03	3.0E-02
Benzo(k)fluoranthene	8270	1/28/2008	0			1.1E-03	3.0E-02
Cadmium	6010	1/28/2008	0	1.8E-03			1.0E-02
Cadmium	6010	6/16/2008	0	6.1E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Chromium	6010	1/28/2008	0			2.0E-03	5.0E-02
Chromium	6010	6/16/2008	0	9.8E-02			5.0E-02
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chrysene	8270	1/28/2008	0			1.1E-03	3.0E-02
Dibenzo(a,h)anthracene	8270	1/28/2008	0			1.1E-03	3.0E-02
Diisopropyl Ether	8260	1/28/2008	0			5.0E-04	
Ethyl tert-Butyl Ether	8260	1/28/2008	0			3.3E-04	
Ethylbenzene	8021	1/28/2008	0			5.2E-04	7.5E-01
Ethylbenzene	8021	2/26/2008	0		U	5.0E-04	7.5E-01
Ethylbenzene	8260	6/16/2008	0			2.5E-03	7.5E-01
Ethylbenzene	8260	8/26/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	1/28/2008	0			1.1E-03	3.0E-02
Fluorene	8270	1/28/2008	0	2.7E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	1/28/2008	0			1.1E-03	3.0E-02
Lead	6010	1/28/2008	0			3.6E-03	5.0E-02
Lead	6010	6/16/2008	0			4.0E-03	5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
m,p-Xylene	8260	6/16/2008	0			5.0E-03	
m,p-Xylene	8260	8/26/2008	0			1.0E-03	
m,p-Xylenes	8021	2/26/2008	0		U	1.4E-03	
Methyl tert-Butyl Ether	8260	1/28/2008	0			4.2E-04	
Naphthalene	8270	1/28/2008	0	5.1E-03			3.0E-02
o-Xylene	8021	2/26/2008	0	2.0E-03			
o-Xylene	8260	6/16/2008	0			2.5E-03	
o-Xylene	8260	8/26/2008	0	2.7E-03			
Phenanthrene	8270	1/28/2008	0			1.1E-03	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
Pyrene	8270	1/28/2008	0			1.1E-03	3.0E-02
Selenium	6010	1/28/2008	0	1.5E-02			5.0E-02
Selenium	6010	6/16/2008	0			3.0E-03	5.0E-02
Selenium	6010	8/26/2008	0			3.0E-03	5.0E-02
Silver	6010	1/28/2008	0			3.0E-03	5.0E-02
Silver	6010	6/16/2008	0			1.0E-03	5.0E-02
Silver	6010	8/26/2008	0			1.0E-03	5.0E-02
Tert-Amyl Methyl Ether	8260	1/28/2008	0			4.5E-04	
Tertiary Butyl Alcohol	8260	1/28/2008	0	2.1E-02			
Toluene	8021	1/28/2008	0			5.0E-04	7.5E-01
Toluene	8021	2/26/2008	0		U	1.0E-03	7.5E-01
Toluene	8260	6/16/2008	0	5.7E-03			7.5E-01
Toluene	8260	8/26/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/26/2008	0	2.0E-03			
Total Mercury	7470	1/28/2008	0			1.0E-04	2.0E-03
Total Mercury	7470	6/16/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0	2.0E-04			2.0E-03
Total Xylenes	8021	1/28/2008	0	5.0E-03			6.2E-01
Total Xylenes	8021	2/26/2008	0	2.0E-03			6.2E-01
Total Xylenes	8260	6/16/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/26/2008	0	2.7E-03			6.2E-01

MW-23

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Acenaphthylene	8270	12/8/2008	0			1.0E-03	3.0E-02
Anthracene	8270	12/8/2008	0			1.0E-03	3.0E-02
Arsenic	6010	6/17/2008	0	6.3E-02			1.0E-01
Arsenic	6010	8/26/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/8/2008	0	7.0E-03			1.0E-01
Barium	6010	6/17/2008	0	3.2E-02			1.0E+00
Barium	6010	8/26/2008	0	4.3E-02			1.0E+00
Barium	6020	12/8/2008	0	3.9E-02			1.0E+00
Benzene	8021	3/4/2008	0	2.8E-03			1.0E-02
Benzene	8260	6/17/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/26/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/8/2008	0			5.0E-04	1.0E-02
Benzo(a)anthracene	8270	12/8/2008	0			1.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/8/2008	0			1.0E-03	7.0E-04

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
Benzo(b)fluoranthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/8/2008	0			1.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Cadmium	6010	6/17/2008	0	3.5E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/8/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/17/2008	0	6.0E-03			5.0E-02
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/8/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/8/2008	0			1.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/8/2008	0			3.0E-03	
Dibenzo(a,h)anthracene	8270	12/8/2008	0			1.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/8/2008	0			3.0E-03	
Ethylbenzene	8021	3/4/2008	0	3.8E-03			7.5E-01
Ethylbenzene	8260	6/17/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/26/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/8/2008	0			5.0E-04	7.5E-01
Fluoranthene	8270	12/8/2008	0			1.0E-03	3.0E-02
Fluorene	8270	12/8/2008	0			1.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/8/2008	0			1.0E-03	3.0E-02
Lead	6010	6/17/2008	0	9.4E-02			5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
Lead	6020	12/8/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/17/2008	0			1.0E-03	
m,p-Xylene	8260	8/26/2008	0			1.0E-03	
m,p-Xylene	8260	12/8/2008	0			1.0E-03	
m,p-Xylenes	8021	3/4/2008	0			1.4E-03	
Methyl tert butyl Ether	8260	12/8/2008	0			2.5E-03	
Naphthalene	8270	12/8/2008	0			1.0E-03	3.0E-02
o-Xylene	8021	3/4/2008	0	1.5E-03			
o-Xylene	8260	6/17/2008	0			5.0E-04	
o-Xylene	8260	8/26/2008	0			5.0E-04	
o-Xylene	8260	12/8/2008	0			5.0E-04	
Phenanthrene	8270	12/8/2008	0			1.0E-03	3.0E-02
Pyrene	8270	12/8/2008	0			1.0E-03	3.0E-02
Selenium	6010	6/17/2008	0	2.0E-01			5.0E-02
Selenium	6010	8/26/2008	0	1.3E-02			5.0E-02
Selenium	6020	12/8/2008	0	9.0E-03			5.0E-02
Silver	6010	6/17/2008	0			1.0E-03	5.0E-02
Silver	6010	8/26/2008	0			1.0E-03	5.0E-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
Silver	6020	12/8/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/8/2008	0			3.0E-03	
tert-butyl alcohol	8260	12/8/2008	0			5.0E-03	
Toluene	8021	3/4/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/17/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/26/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/8/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	3/4/2008	0	8.1E-03			
Total Mercury	7470	6/17/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	12/8/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	3/4/2008	0	1.5E-03			6.2E-01
Total Xylenes	8260	6/17/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	8/26/2008	0				6.2E-01

MW-24

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Acenaphthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Acenaphthylene	8270	12/8/2008	0			2.0E-03	3.0E-02
Anthracene	8270	12/8/2008	0			2.0E-03	3.0E-02
Arsenic	6010	6/16/2008	0			3.0E-03	1.0E-01
Arsenic	6010	8/26/2008	0			3.0E-03	1.0E-01
Arsenic	6020	12/8/2008	0	6.0E-03			1.0E-01
Barium	6010	6/16/2008	0	3.6E-02			1.0E+00
Barium	6010	8/26/2008	0	4.2E-02			1.0E+00
Barium	6020	12/8/2008	0	3.6E-02			1.0E+00
Benzene	8021	3/4/2008	0	4.3E-02			1.0E-02
Benzene	8260	6/16/2008	0	4.7E-02			1.0E-02
Benzene	8260	8/26/2008	0	3.8E-02			1.0E-02
Benzene	8260	12/8/2008	0	5.7E-02			1.0E-02
Benzo(a)anthracene	8270	12/8/2008	0			2.0E-03	3.0E-02
Benzo(a)pyrene	8270	12/8/2008	0			2.0E-03	7.0E-04
Benzo(b)fluoranthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Benzo(g,h,i)perylene	8270	12/8/2008	0			2.0E-03	3.0E-02
Benzo(k)fluoranthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Cadmium	6010	6/16/2008	0	7.7E-02			1.0E-02
Cadmium	6010	8/26/2008	0			1.5E-03	1.0E-02
Cadmium	6020	12/8/2008	0			1.0E-03	1.0E-02
Chromium	6010	6/16/2008	0			1.5E-03	5.0E-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
Chromium	6010	8/26/2008	0			1.5E-03	5.0E-02
Chromium	6020	12/8/2008	0			1.0E-03	5.0E-02
Chrysene	8270	12/8/2008	0			2.0E-03	3.0E-02
Di Isopropyl Ether	8260	12/8/2008	0			5.0E-02	
Dibenzo(a,h)anthracene	8270	12/8/2008	0			2.0E-03	3.0E-02
Ethyl tert butyl Ether	8260	12/8/2008	0			5.0E-02	
Ethylbenzene	8021	3/4/2008	0	6.7E-02			7.5E-01
Ethylbenzene	8260	6/16/2008	0	3.0E-02			7.5E-01
Ethylbenzene	8260	8/26/2008	0	6.1E-02			7.5E-01
Ethylbenzene	8260	12/8/2008	0	6.7E-02			7.5E-01
Fluoranthene	8270	12/8/2008	0			2.0E-03	3.0E-02
Fluorene	8270	12/8/2008	0			2.0E-03	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	12/8/2008	0			2.0E-03	3.0E-02
Lead	6010	6/16/2008	0	3.4E-01			5.0E-02
Lead	6010	8/26/2008	0			4.0E-03	5.0E-02
Lead	6020	12/8/2008	0			1.0E-03	5.0E-02
m,p-Xylene	8260	6/16/2008	0	2.5E-02			
m,p-Xylene	8260	8/26/2008	0	2.7E-03			
m,p-Xylene	8260	12/8/2008	0			2.0E-02	
m,p-Xylenes	8021	3/4/2008	0	2.7E-03			
Methyl tert butyl Ether	8260	12/8/2008	0			5.0E-02	
Naphthalene	8270	12/8/2008	0	1.1E-02			3.0E-02
o-Xylene	8021	3/4/2008	0	4.9E-03			
o-Xylene	8260	6/16/2008	0	2.0E-03			
o-Xylene	8260	8/26/2008	0	6.2E-03			
o-Xylene	8260	12/8/2008	0			1.0E-02	
Phenanthrene	8270	12/8/2008	0			3.0E-03	3.0E-02
Pyrene	8270	12/8/2008	0			2.0E-03	3.0E-02
Selenium	6010	6/16/2008	0			3.0E-03	5.0E-02
Selenium	6010	8/26/2008	0			3.0E-03	5.0E-02
Selenium	6020	12/8/2008	0			1.0E-03	5.0E-02
Silver	6010	6/16/2008	0			1.0E-03	5.0E-02
Silver	6010	8/26/2008	0			1.0E-03	5.0E-02
Silver	6020	12/8/2008	0			1.0E-03	5.0E-02
tert-Amyl methyl Ether	8260	12/8/2008	0			5.0E-02	
tert-butyl alcohol	8260	12/8/2008	0			1.0E-01	
Toluene	8021	3/4/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/16/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/26/2008	0	2.3E-03			7.5E-01
Toluene	8260	12/8/2008	0			1.0E-02	7.5E-01

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
Total BTEX	8021	3/4/2008	0	1.2E-01			
Total Mercury	7470	6/16/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	8/26/2008	0			0.0E+00	2.0E-03
Total Mercury	7470	12/8/2008	0			0.0E+00	2.0E-03
Total Xylenes	8021	3/4/2008	0	7.6E-03			6.2E-01
Total Xylenes	8260	6/16/2008	0	2.7E-02			6.2E-01
Total Xylenes	8260	8/26/2008	0	8.9E-03			6.2E-01

Trip Blank

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
1,4-Difluorobenzene	8021	2/27/2008	0	3.4E-02			
4-Bromofluorobenzene	8021	2/27/2008	0	3.1E-02			
Benzene	8021	1/7/2008	0			5.0E-04	1.0E-02
Benzene	8021	1/28/2008	0		C4	5.0E-04	1.0E-02
Benzene	8021	2/5/2008	0			5.0E-04	1.0E-02
Benzene	8021	2/27/2008	0			5.0E-04	1.0E-02
Benzene	8021	3/4/2008	0			5.0E-04	1.0E-02
Benzene	8021	4/1/2008	0			5.0E-04	1.0E-02
Benzene	8021	5/8/2008	0			5.0E-04	1.0E-02
Benzene	8021	6/12/2008	0			5.0E-04	1.0E-02
Benzene	8260	6/12/2008	0			5.0E-04	1.0E-02
Benzene	8260	8/21/2008	0			5.0E-04	1.0E-02
Benzene	8260	12/8/2008	0			5.0E-04	1.0E-02
Ethylbenzene	8021	1/7/2008	0			5.2E-04	7.5E-01
Ethylbenzene	8021	1/28/2008	0		C4	5.2E-04	7.5E-01
Ethylbenzene	8021	2/5/2008	0			5.2E-04	7.5E-01
Ethylbenzene	8021	2/27/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	3/4/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	4/1/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	5/8/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8021	6/12/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	6/12/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	8/21/2008	0			5.0E-04	7.5E-01
Ethylbenzene	8260	12/8/2008	0			5.0E-04	7.5E-01
m,p-Xylene	8260	6/12/2008	0			1.0E-03	
m,p-Xylene	8260	8/21/2008	0			1.0E-03	
m,p-Xylene	8260	12/8/2008	0			1.0E-03	
m,p-Xylenes	8021	2/27/2008	0			1.4E-03	
m,p-Xylenes	8021	3/4/2008	0			1.4E-03	

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

Jal Station Diesel Remediation

Jal, NM

Trip Blank

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
m,p-Xylenes	8021	4/1/2008	0			1.4E-03	
m,p-Xylenes	8021	5/8/2008	0			1.4E-03	
m,p-Xylenes	8021	6/12/2008	0			1.4E-03	
o-Xylene	8021	2/27/2008	0			5.0E-04	
o-Xylene	8021	3/4/2008	0			5.0E-04	
o-Xylene	8021	4/1/2008	0			5.0E-04	
o-Xylene	8021	5/8/2008	0			5.0E-04	
o-Xylene	8260	6/12/2008	0			5.0E-04	
o-Xylene	8021	6/12/2008	0			5.0E-04	
o-Xylene	8260	8/21/2008	0			5.0E-04	
o-Xylene	8260	12/8/2008	0			5.0E-04	
Toluene	8021	1/7/2008	0			5.0E-04	7.5E-01
Toluene	8021	1/28/2008	0		C4	5.0E-04	7.5E-01
Toluene	8021	2/5/2008	0			5.0E-04	7.5E-01
Toluene	8021	2/27/2008	0			1.0E-03	7.5E-01
Toluene	8021	3/4/2008	0			1.0E-03	7.5E-01
Toluene	8021	4/1/2008	0			1.0E-03	7.5E-01
Toluene	8021	5/8/2008	0			1.0E-03	7.5E-01
Toluene	8021	6/12/2008	0			1.0E-03	7.5E-01
Toluene	8260	6/12/2008	0			5.0E-04	7.5E-01
Toluene	8260	8/21/2008	0			5.0E-04	7.5E-01
Toluene	8260	12/8/2008	0			5.0E-04	7.5E-01
Total BTEX	8021	2/27/2008	0			0.0E+00	
Total BTEX	8021	3/4/2008	0			0.0E+00	
Total Xylenes	8021	1/7/2008	0			1.7E-03	6.2E-01
Total Xylenes	8021	1/28/2008	0		C4	1.7E-03	6.2E-01
Total Xylenes	8021	2/5/2008	0			1.7E-03	6.2E-01
Total Xylenes	8021	2/27/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	3/4/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	4/1/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	5/8/2008	0			0.0E+00	6.2E-01
Total Xylenes	8260	6/12/2008	0			0.0E+00	6.2E-01
Total Xylenes	8021	6/12/2008	0				6.2E-01
Total Xylenes	8260	8/21/2008	0				6.2E-01
Total Xylenes	8260	12/8/2008	0				6.2E-01

Table 3

Hydrocarbon and Groundwater Recovery (Barrels)

Site: Jal Pumping Station
Project: Diesel NAPL Plume
System: LRP-001 NA LRP-25

Date	Tech	Flow Meter (gal)	TPH Conc. (ppm)	Dissolved Removed (bbls)	Hours	Vapor Flow (cfm)	Vapor Conc. (ppmv)	Vapor Removed (bbls)	PSH in Product Tank (bbls)	PSH Returned (bbls)	Product Removed (bbls)	Total Removed (bbls)
1/6/2008	jps	4,162,996	0	0.3	53,399.0	86	8	106.3	1,322.0	0.0	1,322.0	1,428.6
1/7/2008	jps	4,163,921	0	0.3	53,422.0	86	8	106.3	1,322.0	0.0	1,322.0	1,428.6
1/8/2008	jps	4,164,846	0	0.3	53,440.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/10/2008	jps	4,166,119	0	0.3	53,488.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/11/2008	jps	4,168,635	0	0.3	53,512.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/15/2008	jps	4,171,067	0	0.3	53,608.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/21/2008	jps	4,177,981	0	0.3	53,752.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/22/2008	jps	4,177,981	0	0.3	53,776.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/26/2008	jps	4,182,833	0	0.3	53,872.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
1/29/2008	jps	4,186,339	0	0.3	53,944.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
2/5/2008	jps	4,193,217	0	0.3	54,107.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
2/15/2008	jps	4,203,239	0	0.3	54,350.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
2/22/2008	jps	4,219,352	0	0.3	54,514.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
2/29/2008	jps	4,234,620	0	0.3	54,693.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
3/15/2008	jps	4,259,872	0	0.3	55,045.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
3/23/2008	jps	4,277,716	0	0.3	55,241.0	86	8	106.3	1,322.2	0.0	1,322.2	1,428.8
3/31/2008	jps	4,293,803	0	0.3	55,426.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.8
4/26/2008	jps	4,331,721	0	0.3	56,050.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
4/30/2008	jps	4,336,848	0	0.3	56,142.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
5/5/2008	jps	4,344,663	0	0.3	56,270.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
5/16/2008	jps	4,357,314	0	0.3	56,536.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
5/26/2008	jps	4,367,561	0	0.3	56,766.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
5/27/2008	jps	4,368,765	0	0.3	56,790.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
6/1/2008	jps	4,375,329	0	0.3	56,917.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
6/9/2008	jps	4,384,667	0	0.3	57,100.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
6/13/2008	jps	4,389,320	0	0.3	57,197.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
6/26/2008	jps	4,398,196	0	0.3	57,388.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9
6/30/2008	jps	4,399,831	0	0.3	57,489.0	86	8	106.4	1,322.2	0.0	1,322.2	1,428.9

APPENDIX A

Laboratory Analytical Results with Chain-of-Custody Documentation

H2A
ENVIRONMENTAL, LTD.

Analytical Report 298348

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

04-MAR-08

ENVIRONMENTAL LAB OF

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

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

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

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

04-MAR-08

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

Reference: XENCO Report No: **298348**
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 298348. 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. 298348 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 298348

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-21	W	Feb-25-08 08:20		298348-001
MW-17	W	Feb-25-08 09:03		298348-002
MW-16	W	Feb-25-08 10:03		298348-003
MW-22	W	Feb-26-08 07:46		298348-004
MW-19	W	Feb-26-08 08:00		298348-005
MW-06	W	Feb-26-08 08:13		298348-006
MW-20	W	Feb-26-08 08:25		298348-007
MW-18	W	Feb-26-08 08:46		298348-008
MW-08	W	Feb-26-08 09:00		298348-009
MW-02	W	Feb-26-08 09:10		298348-010
MW-04	W	Feb-26-08 09:35		298348-011
MW-12	W	Feb-26-08 10:00		298348-012
MW-03	W	Feb-26-08 10:40		298348-013

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id:
Contact: Iain Olness
Project Location:

Date Received in Lab: Tue Feb-26-08 01:42 pm
Report Date: 04-MAR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	298348-001		298348-002		298348-003		298348-004		298348-005		298348-006	
	Field Id:	MW-21		MW-17		MW-16		MW-22		MW-19		MW-06	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-25-08 08:20		Feb-25-08 09:03		Feb-25-08 10:03		Feb-26-08 07:46		Feb-26-08 08:00		Feb-26-08 08:13	
BTEX by EPA 8021B	***Extracted:***	Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25	
	Analyzed:	Feb-27-08 22:42		Feb-27-08 23:00		Feb-27-08 23:18		Feb-27-08 23:36		Feb-27-08 23:54		Feb-28-08 00:12	
	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	ND	0.0010	0.0026	0.0010	0.0126	0.0010
Toluene		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0226	0.0010	0.0118	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0182	0.0020	0.0038	0.0020
o-Xylene		ND	0.0010	ND	0.0010	ND	0.0010	0.0020	0.0010	0.0080	0.0010	0.0117	0.0010
Xylenes, Total		ND		ND		ND		0.002		0.0262		0.0155	
Total BTEX		ND		ND		ND		0.002		0.0514		0.0399	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 298348

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id:

Contact: Iain Olness

Project Location:

Date Received in Lab: Tue Feb-26-08 01:42 pm

Report Date: 04-MAR-08

Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	298348-007		298348-008		298348-009		298348-010		298348-011		298348-012	
	Field Id:	MW-20		MW-18		MW-08		MW-02		MW-04		MW-12	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-26-08 08:25		Feb-26-08 08:46		Feb-26-08 09:00		Feb-26-08 09:10		Feb-26-08 09:35		Feb-26-08 10:00	
BTEX by EPA 8021B	*Extracted:*	Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25		Feb-27-08 14:25	
	Analyzed:	Feb-28-08 00:30		Feb-28-08 00:48		Feb-28-08 01:43		Feb-28-08 02:01		Feb-28-08 02:19		Feb-28-08 02:38	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		0.0251	0.0010	0.0718	0.0010	ND	0.0010	0.0061	0.0010	ND	0.0010	ND	0.0010
Toluene		ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Ethylbenzene		0.0210	0.0010	0.1522	0.0010	ND	0.0010	0.0099	0.0010	ND	0.0010	0.0083	0.0010
m,p-Xylenes		0.0160	0.0020	0.0120	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	0.0114	0.0020
o-Xylene		0.0039	0.0010	0.0126	0.0010	ND	0.0010	0.0022	0.0010	ND	0.0010	0.0084	0.0010
Xylenes, Total		0.0199		0.0246		ND		0.0047		ND		0.0198	
Total BTEX		0.066		0.2507		ND		0.0207		ND		0.0281	

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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

Certified and approved by numerous States and Agencies.

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	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477

Certificate of Analysis Summary 298348

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id:

Contact: Iain Olness

Project Location:

Date Received in Lab: Tue Feb-26-08 01:42 pm

Report Date: 04-MAR-08

Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	298348-013					
	Field Id:	MW-03					
	Depth:						
	Matrix:	WATER					
	Sampled:	Feb-26-08 10:40					
BTEX by EPA 8021B	*Extracted:*	Feb-27-08 14:25					
	Analyzed:	Feb-28-08 02:56					
	Units/RL:	mg/L	RL				
Benzene		ND	0.0010				
Toluene		ND	0.0020				
Ethylbenzene		0.0094	0.0010				
m,p-Xylenes		0.0064	0.0020				
o-Xylene		0.0343	0.0010				
Xylenes, Total		0.0407					
Total BTEX		0.0501					

Brent Barron
Odessa Laboratory Director

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298348 **Project ID:**

Lab Batch #: 715800 **Sample:** 298348-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	80-120	
4-Bromofluorobenzene	0.0308	0.0300	103	80-120	

Lab Batch #: 715800 **Sample:** 298348-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 715800 **Sample:** 298348-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0362	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

Lab Batch #: 715800 **Sample:** 298348-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	80-120	
4-Bromofluorobenzene	0.0311	0.0300	104	80-120	

Lab Batch #: 715800 **Sample:** 298348-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0361	0.0300	120	80-120	
4-Bromofluorobenzene	0.0372	0.0300	124	80-120	**

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298348 **Project ID:**

Lab Batch #: 715800 **Sample:** 298348-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0378	0.0300	126	80-120	**
4-Bromofluorobenzene	0.0094	0.0300	31	80-120	**

Lab Batch #: 715800 **Sample:** 298348-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0367	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0311	0.0300	104	80-120	

Lab Batch #: 715800 **Sample:** 298348-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0360	0.0300	120	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

Lab Batch #: 715800 **Sample:** 298348-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 715800 **Sample:** 298348-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298348 **Project ID:**

Lab Batch #: 715800 **Sample:** 298348-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	80-120	
4-Bromofluorobenzene	0.0310	0.0300	103	80-120	

Lab Batch #: 715800 **Sample:** 298348-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0356	0.0300	119	80-120	
4-Bromofluorobenzene	0.0423	0.0300	141	80-120	**

Lab Batch #: 715800 **Sample:** 298348-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	80-120	
4-Bromofluorobenzene	0.0612	0.0300	204	80-120	**

Lab Batch #: 715800 **Sample:** 505216-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 715800 **Sample:** 505216-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0327	0.0300	109	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298348 **Project ID:**

Lab Batch #: 715800 **Sample:** 505216-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

** 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.

LAB OF

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298348
Analyst: SHE
Date Prepared: 02/27/2008
Project ID:
Date Analyzed: 02/27/2008
Lab Batch ID: 715800
Sample: 505216-1-BKS
Batch #: 1
Matrix: Water
Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0927	93	0.1	0.0953	95	3	70-125	25	
Toluene	ND	0.1000	0.0910	91	0.1	0.0947	95	4	70-125	25	
Ethylbenzene	ND	0.1000	0.0918	92	0.1	0.0971	97	6	71-129	25	
m,p-Xylenes	ND	0.2000	0.1843	92	0.2	0.1942	97	5	70-131	25	
o-Xylene	ND	0.1000	0.0993	99	0.1	0.1046	105	5	71-133	25	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.001

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: 26-Feb

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 (Print): Iain Olness

CONSULTANT PROJECT NO: 49194426

SAMPLER NAME(S) (Print): John Savoie

LAB USE ONLY: 298348

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: Send EDD TO 505-631-1836 jsavoie@H2ALTD.com

☑ 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 8021	Container PID Readings or Laboratory Notes
01	MW-21	2/25	820	WATER	X					3	X	
02	MW-17	2/25	903	WATER	X					3	X	
03	MW-16	2/25	1003	WATER	X					3	X	
04	MW-22	2/26	746	WATER	X					3	X	
05	MW-19	2/26	800	WATER	X					3	X	
06	MW-06	2/26	813	WATER	X					3	X	
07	MW-20	2/26	825	WATER	X					3	X	
08	MW-18	2/26	846	WATER	X					3	X	
09	MW-08	2/26	900	WATER	X					3	X	
10	MW-02	2/26	910	WATER	X					3	X	

		Date:	Time:
Relinquished by: (Signature)		2-26-08	1342
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Andrea Senn	Date: 2-26-08	Time: 1342

3.0°C

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] XENCO (_____)
- [ ] CALSCIENCE (_____)
- [ ] TEST AMERICA (_____)
- [ ] SPL (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:

[ ] ENV. SERVICES	[ ] MOTIVA RETAIL	[ ] SHELL RETAIL
[ ] MOTIVA SD&CM	[ ] CONSULTANT	[ ] LUBES
[x] 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: 26-Feb

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 | EMAIL: 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: 298348

TURNAROUND TIME (CALENDAR DAYS):
[x] STANDARD (14 DAY) [ ] 5 DAYS [ ] 3 DAYS [ ] 2 DAYS [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY) _____

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

SPECIAL INSTRUCTIONS OR NOTES :

- [x] 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 8021	Container PID Readings or Laboratory Notes
11	MW-04	2/26	935	WATER	X					3	X	
12	MW-12	2/26	1000	WATER	X					3	X	
13	MW-03	2/26	1040	WATER	X					3	X	
	TRIP BLANK											

Relinquished by: (Signature)		Date: 2-26-08	Time: 1342
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Andrea Lam	Date: 2.26.08	Time: 13:42

3.0°C

05/2/06 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: URS Corp.

Date/ Time: 2.26.08 13:42

Lab ID # : 298348

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	3.0 °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: _____

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 298482

for

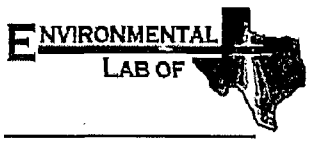
URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

05-MAR-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

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

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

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

05-MAR-08

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

Reference: XENCO Report No: **298482**
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 298482. 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. 298482 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 298482

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-01	W	Feb-27-08 09:03		298482-001
MW-05	W	Feb-27-08 09:30		298482-002
MW-11	W	Feb-27-08 09:58		298482-003
MW-15	W	Feb-27-08 10:30		298482-004
MW-13	W	Feb-27-08 10:58		298482-005
MW-14	W	Feb-27-08 11:10		298482-006
Trip Blank	W	Feb-27-08 00:00		298482-007

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Wed Feb-27-08 02:29 pm
Report Date: 05-MAR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	298482-001		298482-002		298482-003		298482-004		298482-005		298482-006	
	Field Id:	MW-01		MW-05		MW-11		MW-15		MW-13		MW-14	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Feb-27-08 09:03		Feb-27-08 09:30		Feb-27-08 09:58		Feb-27-08 10:30		Feb-27-08 10:58		Feb-27-08 11:10	
BTEX by EPA 8021B	***Extracted:***	Feb-28-08 10:00		Feb-28-08 10:00		Feb-28-08 10:00		Feb-28-08 10:00		Feb-28-08 10:00		Feb-28-08 10:00	
	Analyzed:	Feb-29-08 17:55		Feb-29-08 18:12		Feb-29-08 18:30		Feb-29-08 19:06		Feb-29-08 19:24		Feb-29-08 19:41	
	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	ND	0.0010	ND	0.0010	0.0016	0.0010
Toluene		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0032	0.0010
m,p-Xylenes		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0026	0.0020
o-Xylene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0015	0.0010
Xylenes, Total		ND		ND		ND		ND		ND		0.0041	
Total BTEX		ND		ND		ND		ND		ND		0.0089	

Brent Barron
Odessa Laboratory Director

ENVIRONMENTAL LAB OF

Certificate of Analysis Summary 298482

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Wed Feb-27-08 02:29 pm
Report Date: 05-MAR-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	298482-007					
	Field Id:	Trip Blank					
	Depth:						
	Matrix:	WATER					
	Sampled:	Feb-27-08 00:00					
BTEX by EPA 8021B	***Extracted:***	Mar-04-08 09:07					
	Analyzed:	Mar-04-08 11:57					
	Units/RL:	mg/L RL					
Benzene		ND 0.0010					
Toluene		ND 0.0020					
Ethylbenzene		ND 0.0010					
m,p-Xylenes		ND 0.0020					
o-Xylene		ND 0.0010					
Xylenes, Total		ND					
Total BTEX		ND					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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Certified and approved by numerous States and Agencies.

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	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298482 **Project ID:** 49194426

Lab Batch #: 716026 **Sample:** 298442-006 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	80-120	
4-Bromofluorobenzene	0.0355	0.0300	118	80-120	

Lab Batch #: 716026 **Sample:** 298442-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	0.0324	0.0300	108	80-120	

Lab Batch #: 716026 **Sample:** 298482-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	80-120	
4-Bromofluorobenzene	0.0298	0.0300	99	80-120	

Lab Batch #: 716026 **Sample:** 298482-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	80-120	
4-Bromofluorobenzene	0.0330	0.0300	110	80-120	

Lab Batch #: 716026 **Sample:** 298482-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0338	0.0300	113	80-120	
4-Bromofluorobenzene	0.0332	0.0300	111	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298482 **Project ID:** 49194426

Lab Batch #: 716026 **Sample:** 298482-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 716026 **Sample:** 298482-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 716026 **Sample:** 298482-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0340	0.0300	113	80-120	

Lab Batch #: 716026 **Sample:** 505319-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0339	0.0300	113	80-120	

Lab Batch #: 716026 **Sample:** 505319-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0334	0.0300	111	80-120	

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

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298482 **Project ID:** 49194426

Lab Batch #: 716026 **Sample:** 505319-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0318	0.0300	106	80-120	

Lab Batch #: 716206 **Sample:** 298482-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

Lab Batch #: 716206 **Sample:** 298482-007 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0338	0.0300	113	80-120	
4-Bromofluorobenzene	0.0329	0.0300	110	80-120	

Lab Batch #: 716206 **Sample:** 298482-007 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	80-120	
4-Bromofluorobenzene	0.0354	0.0300	118	80-120	

Lab Batch #: 716206 **Sample:** 505447-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	80-120	
4-Bromofluorobenzene	0.0312	0.0300	104	80-120	

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

*** Poor recoveries due to dilution

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

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298482 **Project ID:** 49194426

Lab Batch #: 716206 **Sample:** 505447-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 716206 **Sample:** 505447-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298482 **Project ID:** 49194426

Analyst: SHE **Date Prepared:** 02/28/2008 **Date Analyzed:** 02/29/2008

Lab Batch ID: 716026 **Sample:** 505319-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0827	83	0.1	0.0870	87	5	70-125	25	
Toluene	ND	0.1000	0.0844	84	0.1	0.0883	88	5	70-125	25	
Ethylbenzene	ND	0.1000	0.0911	91	0.1	0.0934	93	2	71-129	25	
m,p-Xylenes	ND	0.2000	0.1827	91	0.2	0.1855	93	2	70-131	25	
o-Xylene	ND	0.1000	0.0990	99	0.1	0.1004	100	1	71-133	25	

Analyst: SHE **Date Prepared:** 03/04/2008 **Date Analyzed:** 03/04/2008

Lab Batch ID: 716206 **Sample:** 505447-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0981	98	0.1	0.0944	94	4	70-125	25	
Toluene	ND	0.1000	0.0957	96	0.1	0.0935	94	2	70-125	25	
Ethylbenzene	ND	0.1000	0.0954	95	0.1	0.0955	96	0	71-129	25	
m,p-Xylenes	ND	0.2000	0.1900	95	0.2	0.1914	96	1	70-131	25	
o-Xylene	ND	0.1000	0.1008	101	0.1	0.1028	103	2	71-133	25	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

LAB OF

Project Name: EQPL Basin Jal Pump Station

Work Order # : 298482 **Project ID:** 49194426

Lab Batch ID: 716026 **QC- Sample ID:** 298442-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/29/2008 **Date Prepared:** 02/28/2008 **Analyst:** SHE

Reporting Units: mg/L

BTEX by EPA 8021B 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	0.0838	84	0.1000	0.0917	92	9	70-125	25	
Toluene	ND	0.1000	0.1012	101	0.1000	0.0969	97	4	70-125	25	
Ethylbenzene	ND	0.1000	0.0951	95	0.1000	0.1002	100	5	71-129	25	
m,p-Xylenes	ND	0.2000	0.2001	100	0.2000	0.2030	102	2	70-131	25	
o-Xylene	ND	0.1000	0.1086	109	0.1000	0.1084	108	1	71-133	25	

Lab Batch ID: 716206 **QC- Sample ID:** 298482-007 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 03/04/2008 **Date Prepared:** 03/04/2008 **Analyst:** SHE

Reporting Units: mg/L

BTEX by EPA 8021B 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	0.0817	82	0.1000	0.0842	84	2	70-125	25	
Toluene	ND	0.1000	0.0829	83	0.1000	0.0856	86	4	70-125	25	
Ethylbenzene	ND	0.1000	0.0853	85	0.1000	0.0892	89	5	71-129	25	
m,p-Xylenes	ND	0.2000	0.1697	85	0.2000	0.1771	89	5	70-131	25	
o-Xylene	ND	0.1000	0.0896	90	0.1000	0.0928	93	3	71-133	25	

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

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] XENCO (_____)
- [ ] CALSCIENCE (_____)
- [ ] TEST AMERICA (_____)
- [ ] SPL (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:

- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [x] SHELL PIPELINE
- [ ] OTHER _____

Print Bill To Contact Name: Kenneth Springer

PO #

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

- [ ] CHECK IF NO INCIDENT # APPLIES

SAP #: 7 2 0 8 0 3 7

DATE: 27-Feb

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: 298482

TURNAROUND TIME (CALENDAR DAYS):

- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES:

- [ ] LEVEL 1
- [x] LEVEL 2
- [ ] LEVEL 3
- [ ] LEVEL 4
- [ ] OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 4.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
Report also to: jsavoie@h2altd.com
505-631-1836 John Savoie

- [x] 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 8021	Container PID Readings or Laboratory Notes
	MW-01	2/27	903	WATER	X					3	X	-01
	MW-05	2/27	930	WATER	X					3	X	-02
	MW-11	2/27	958	WATER	X					3	X	-03
	MW-15	2/27	1030	WATER	X					3	X	-04
	MW-13	2/27	1058	WATER	X					3	X	-05
	MW-14	2/27	1110	WATER	X					3	X	-06
	TRIP BLANK											

Relinquished by: (Signature)		Date: 2-27-08	Time: 1429
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 2/27/08	Time: 14:27

05/2/06 Revision

VOC

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: URS Corporation

Date/ Time: 2/27/08 14:31

Lab ID # : 298482

Initials: JG

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler? NA	~~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)? GL	(Yes)	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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

Analytical Report 298836

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

491944426

10-MAR-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

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

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

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

10-MAR-08

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

Reference: XENCO Report No: **298836**
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 298836. 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. 298836 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

Sample Cross Reference 298836

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-24	W	Mar-04-08 09:25		298836-001
MW-10	W	Mar-04-08 08:00		298836-002
MW-23	W	Mar-04-08 08:40		298836-003
MW-09	W	Mar-04-08 09:05		298836-004
Trip Blank	W	Mar-04-08 00:00		298836-005

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 491944426
Contact: Iain Olness
Project Location:

Date Received in Lab: Tue Mar-04-08 01:15 pm
Report Date: 10-MAR-08
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	298836-001		298836-002		298836-003		298836-004		298836-005	
	Field Id:	MW-24		MW-10		MW-23		MW-09		Trip Blank	
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER		WATER	
	Sampled:	Mar-04-08 09:25		Mar-04-08 08:00		Mar-04-08 08:40		Mar-04-08 09:05		Mar-04-08 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-05-08 14:00		Mar-06-08 16:00		Mar-05-08 14:00		Mar-06-08 16:00		Mar-05-08 14:00	
	Analyzed:	Mar-05-08 16:23		Mar-06-08 17:41		Mar-05-08 17:00		Mar-06-08 17:59		Mar-05-08 17:36	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		0.0427	0.0010	ND	0.0010	0.0028	0.0010	ND	0.0010	ND	0.0010
Toluene		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Ethylbenzene		0.0668	0.0010	ND	0.0010	0.0038	0.0010	0.0291	0.0010	ND	0.0010
m,p-Xylenes		0.0027	0.0020	ND	0.0020	ND	0.0020	0.0090	0.0020	ND	0.0020
o-Xylene		0.0049	0.0010	0.0011	0.0010	0.0015	0.0010	0.0047	0.0010	ND	0.0010
Xylenes, Total		0.0076		0.0011		0.0015		0.0137		ND	
Total BTEX		0.1171		0.0011		0.0081		0.0428		ND	

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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

	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298836 **Project ID:** 491944426

Lab Batch #: 716371 **Sample:** 298836-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	80-120	
4-Bromofluorobenzene	0.0341	0.0300	114	80-120	

Lab Batch #: 716371 **Sample:** 298836-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0348	0.0300	116	80-120	

Lab Batch #: 716371 **Sample:** 298836-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0332	0.0300	111	80-120	
4-Bromofluorobenzene	0.0359	0.0300	120	80-120	

Lab Batch #: 716371 **Sample:** 298874-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	80-120	
4-Bromofluorobenzene	0.0338	0.0300	113	80-120	

Lab Batch #: 716371 **Sample:** 298874-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0358	0.0300	119	80-120	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298836 **Project ID:** 491944426

Lab Batch #: 716371 **Sample:** 505526-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	80-120	
4-Bromofluorobenzene	0.0315	0.0300	105	80-120	

Lab Batch #: 716371 **Sample:** 505526-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0328	0.0300	109	80-120	
4-Bromofluorobenzene	0.0327	0.0300	109	80-120	

Lab Batch #: 716371 **Sample:** 505526-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

Lab Batch #: 716403 **Sample:** 298836-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	80-120	
4-Bromofluorobenzene	0.0359	0.0300	120	80-120	

Lab Batch #: 716403 **Sample:** 298836-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	80-120	
4-Bromofluorobenzene	0.0405	0.0300	135	80-120	**

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298836 **Project ID:** 491944426

Lab Batch #: 716403 **Sample:** 298981-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0361	0.0300	120	80-120	

Lab Batch #: 716403 **Sample:** 298981-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	0.0351	0.0300	117	80-120	

Lab Batch #: 716403 **Sample:** 505546-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0352	0.0300	117	80-120	

Lab Batch #: 716403 **Sample:** 505546-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	80-120	
4-Bromofluorobenzene	0.0359	0.0300	120	80-120	

Lab Batch #: 716403 **Sample:** 505546-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	80-120	
4-Bromofluorobenzene	0.0349	0.0300	116	80-120	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

BS / BSD Recoveries

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EQPL Basin Jal Pump Station

Work Order #: 298836 **Project ID:** 491944426

Analyst: SHE **Date Prepared:** 03/05/2008 **Date Analyzed:** 03/05/2008

Lab Batch ID: 716371 **Sample:** 505526-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.1097	110	0.1	0.1146	115	4	70-125	25	
Toluene	ND	0.1000	0.1099	110	0.1	0.1141	114	4	70-125	25	
Ethylbenzene	ND	0.1000	0.1131	113	0.1	0.1171	117	3	71-129	25	
m,p-Xylenes	ND	0.2000	0.2238	112	0.2	0.2319	116	4	70-131	25	
o-Xylene	ND	0.1000	0.1166	117	0.1	0.1193	119	2	71-133	25	

Analyst: SHE **Date Prepared:** 03/06/2008 **Date Analyzed:** 03/06/2008

Lab Batch ID: 716403 **Sample:** 505546-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0933	93	0.1	0.0919	92	2	70-125	25	
Toluene	ND	0.1000	0.0948	95	0.1	0.0932	93	2	70-125	25	
Ethylbenzene	ND	0.1000	0.1002	100	0.1	0.0978	98	2	71-129	25	
m,p-Xylenes	ND	0.2000	0.2002	100	0.2	0.1953	98	2	70-131	25	
o-Xylene	ND	0.1000	0.1075	108	0.1	0.1049	105	2	71-133	25	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

LAB OF

Project Name: EQPL Basin Jal Pump Station

Work Order # : 298836 **Project ID:** 491944426

Lab Batch ID: 716371 **QC- Sample ID:** 298874-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03/05/2008 **Date Prepared:** 03/05/2008 **Analyst:** SHE
Reporting Units: mg/L

BTEX by EPA 8021B 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	0.0844	84	0.1000	0.0811	81	4	70-125	25	
Toluene	ND	0.1000	0.0850	85	0.1000	0.0826	83	2	70-125	25	
Ethylbenzene	ND	0.1000	0.0882	88	0.1000	0.0881	88	0	71-129	25	
m,p-Xylenes	ND	0.2000	0.1732	87	0.2000	0.1728	86	1	70-131	25	
o-Xylene	ND	0.1000	0.0908	91	0.1000	0.0911	91	0	71-133	25	

Lab Batch ID: 716403 **QC- Sample ID:** 298981-002 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 03/06/2008 **Date Prepared:** 03/06/2008 **Analyst:** SHE
Reporting Units: mg/L

BTEX by EPA 8021B 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	0.0837	84	0.1000	0.0848	85	1	70-125	25	
Toluene	ND	0.1000	0.0856	86	0.1000	0.0861	86	0	70-125	25	
Ethylbenzene	ND	0.1000	0.0921	92	0.1000	0.0910	91	1	71-129	25	
m,p-Xylenes	ND	0.2000	0.1813	91	0.2000	0.1789	89	2	70-131	25	
o-Xylene	ND	0.1000	0.0967	97	0.1000	0.0948	95	2	71-133	25	

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

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] XENCO (_____)
- [ ] CALSCIENCE (_____)
- [ ] TEST AMERICA (_____)
- [ ] SPL (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:

[ ] ENV. SERVICES	[ ] MOTIVA RETAIL	[ ] SHELL RETAIL
[ ] MOTIVA SD&CM	[ ] CONSULTANT	[ ] LUBES
[x] 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: 3/4/08

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): John Savoie

LAB USE ONLY: 298836

TURNAROUND TIME (CALENDAR DAYS): [x] STANDARD (14 DAY) [ ] 5 DAYS [ ] 3 DAYS [ ] 2 DAYS [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 3.5 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

- [x] 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 8021	Container PID Readings or Laboratory Notes
01	MW-24	3/4/08	925	WATER	X					3	X	
02	MW-10	3/4/08	800	WATER	X					3	X	
03	MW-23	3/4/08	840	WATER	X					3	X	
04	MW-09	3/4/08	905	WATER	X					3	X	
05	TRIP BLANK			WATER	X					1	X	

Relinquished by: (Signature)		Date: 3.4.08	Time: 1315
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Andrea Starr	Date: 3-4-08	Time: 1:15

05/2/06 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

lient: IRS Corp.

ate/ Time: 3.4.08 13:15

ab ID # : 298836

itials: AL

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	(Yes)	No	3.5 °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: _____

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 305900

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

26-JUN-08

ENVIRONMENTAL LAB OF

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

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

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

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

26-JUN-08

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

Reference: XENCO Report No: **305900**
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 305900. 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. 305900 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

Sample Cross Reference 305900

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-01	W	Jun-13-08 14:45		305900-001
MW-05	W	Jun-13-08 16:35		305900-002
MW-11	W	Jun-13-08 17:57		305900-003
MW-15	W	Jun-14-08 07:05		305900-004
MW-13	W	Jun-14-08 08:23		305900-005
MW-21	W	Jun-14-08 10:13		305900-006
MW-17	W	Jun-14-08 11:30		305900-007
MW-16	W	Jun-14-08 13:57		305900-008
MW-10	W	Jun-15-08 06:53		305900-009
MW-04	W	Jun-15-08 08:42		305900-010
Trip Blank	W	Jun-12-08 16:05		305900-011

Certificate of Analysis Summary 305900
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Jun-16-08 09:50 am
Report Date: 26-JUN-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	305900-001		305900-002		305900-003		305900-004	
	Field Id:	MW-01		MW-05		MW-11		MW-15	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Jun-13-08 14:45		Jun-13-08 16:35		Jun-13-08 17:57		Jun-14-08 07:05	
TEX by SW 8260B	***Extracted:***	Jun-25-08 13:43		Jun-25-08 13:43		Jun-25-08 13:43		Jun-25-08 13:43	
	Analyzed:	Jun-26-08 00:44		Jun-25-08 14:13		Jun-25-08 14:31		Jun-26-08 01:36	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
nzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
luene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
ıylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
p-Xylene		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Xylene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
tal Xylenes		ND		ND		ND		ND	
tal BTEX		ND		ND		ND		ND	
issolved Metals per ICP by SW846 010B	***Extracted:***								
	Analyzed:	Jun-17-08 14:48		Jun-17-08 14:48		Jun-17-08 14:48		Jun-17-08 14:48	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
senic		0.146	0.010	ND	0.010	0.129	0.010	0.119	0.010
rium		ND	0.010	0.084	0.010	0.023	0.010	0.016	0.010
dmium		0.032	0.005	0.029	0.005	0.027	0.005	0.024	0.005
romium		ND	0.005	0.036	0.005	0.052	0.005	ND	0.005
ıd		0.064	0.012	0.268	0.012	0.141	0.012	0.213	0.012
enium		ND	0.010	0.011	0.010	0.031	0.010	ND	0.010
ver		ND	0.004	ND	0.004	ND	0.004	ND	0.004
Iercury by EPA 7470A	***Extracted:***								
	Analyzed:	Jun-17-08 15:30		Jun-17-08 15:30		Jun-17-08 15:30		Jun-17-08 15:30	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
rcury		0.0001	0.0001	ND	0.0001	ND	0.0001	ND	0.0001

Brent Barron
Odessa Laboratory Director

ENVIRONMENTAL LAB OF

Certificate of Analysis Summary 305900

URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Jun-16-08 09:50 am
Report Date: 26-JUN-08
Project Manager: Brent Barron, II

Analysis Requested												
	Lab Id:	305900-005		305900-006		305900-007		305900-008				
	Field Id:	MW-13		MW-21		MW-17		MW-16				
	Depth:											
	Matrix:	WATER		WATER		WATER		WATER				
	Sampled:	Jun-14-08 08:23		Jun-14-08 10:13		Jun-14-08 11:30		Jun-14-08 13:57				
BTEX by SW 8260B	*Extracted:*	Jun-25-08 13:43		Jun-25-08 13:43		Jun-25-08 13:43		Jun-25-08 13:43				
	Analyzed:	Jun-25-08 14:49		Jun-25-08 15:08		Jun-25-08 15:26		Jun-25-08 15:45				
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL			
Benzene		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			
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010			
m,p-Xylene		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			
Total Xylenes		ND		ND		ND		ND				
Total BTEX		ND		ND		ND		ND				
Dissolved Metals per ICP by SW846 6010B	*Extracted:*											
	Analyzed:	Jun-17-08 14:48		Jun-17-08 14:48		Jun-17-08 14:48		Jun-17-08 14:48				
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL			
Arsenic		ND	0.010	ND	0.010	ND	0.010	ND	0.010			
Barium		0.141	0.010	0.041	0.010	0.032	0.010	0.017	0.010			
Cadmium		0.024	0.005	0.033	0.005	0.024	0.005	0.012	0.005			
Chromium		ND	0.005	0.054	0.005	ND	0.005	0.040	0.005			
Lead		ND	0.012	0.225	0.012	0.078	0.012	0.117	0.012			
Selenium		ND	0.010	0.041	0.010	0.441	0.010	0.382	0.010			
Silver		ND	0.004	ND	0.004	ND	0.004	ND	0.004			
Mercury by EPA 7470A	*Extracted:*											
	Analyzed:	Jun-17-08 15:30		Jun-17-08 15:30		Jun-17-08 15:30		Jun-17-08 15:30				
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL			
Mercury		ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001			

Brent Barron
Odessa Laboratory Director

RONMENTAL LAB OF

Certificate of Analysis Summary 305900
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Jun-16-08 09:50 am
Report Date: 26-JUN-08
Project Manager: Brent Barron, II

Analysis Requested		*Lab Id:*	305900-009		305900-010		305900-011		
		Field Id:	MW-10		MW-04		Trip Blank		
		Depth:							
		Matrix:	WATER		WATER		WATER		
		Sampled:	Jun-15-08 06:53		Jun-15-08 08:42		Jun-12-08 16:05		
TEX by SW 8260B	*Extracted:*		Jun-25-08 13:43		Jun-25-08 13:43		Jun-25-08 13:43		
	Analyzed:		Jun-25-08 16:03		Jun-25-08 16:22		Jun-25-08 16:41		
	Units/RL:		mg/L	RL	mg/L	RL	mg/L	RL	
nzene			ND	0.0010	ND	0.0010	ND	0.0010	
luene			ND	0.0010	ND	0.0010	ND	0.0010	
ıylbenzene			ND	0.0010	ND	0.0010	ND	0.0010	
o-Xylene			ND	0.0020	ND	0.0020	ND	0.0020	
Xylene			ND	0.0010	ND	0.0010	ND	0.0010	
tal Xylenes			ND		ND		ND		
tal BTEX			ND		ND		ND		
issolved Metals per ICP by SW846 010B	*Extracted:*								
	Analyzed:		Jun-17-08 14:48		Jun-17-08 14:48				
	Units/RL:		mg/L	RL	mg/L	RL			
senic			ND	0.010	ND	0.010			
rium			0.099	0.010	0.316	0.010			
dmium			0.021	0.005	0.025	0.005			
romium			0.025	0.005	0.015	0.005			
ıd			0.155	0.012	0.141	0.012			
enium			0.412	0.010	0.140	0.010			
ver			ND	0.004	ND	0.004			
Iercury by EPA 7470A	*Extracted:*								
	Analyzed:		Jun-17-08 15:30		Jun-17-08 15:30				
	Units/RL:		mg/L	RL	mg/L	RL			
rcury			ND	0.0001	ND	0.0001			

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305900 **Project ID:** 49194426

Lab Batch #: 726367 **Sample:** 305900-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0526	0.0500	105	86-115	
Dibromofluoromethane	0.0505	0.0500	101	86-118	
1,2-Dichloroethane-D4	0.0462	0.0500	92	80-120	
Toluene-D8	0.0501	0.0500	100	88-110	

Lab Batch #: 726367 **Sample:** 305900-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0526	0.0500	105	86-115	
Dibromofluoromethane	0.0475	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0462	0.0500	92	80-120	
Toluene-D8	0.0504	0.0500	101	88-110	

Lab Batch #: 726367 **Sample:** 305900-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0521	0.0500	104	86-115	
Dibromofluoromethane	0.0462	0.0500	92	86-118	
1,2-Dichloroethane-D4	0.0465	0.0500	93	80-120	
Toluene-D8	0.0509	0.0500	102	88-110	

Lab Batch #: 726367 **Sample:** 305900-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	86-115	
Dibromofluoromethane	0.0475	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0453	0.0500	91	80-120	
Toluene-D8	0.0496	0.0500	99	88-110	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305900 **Project ID:** 49194426

Lab Batch #: 726367 **Sample:** 305900-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0496	0.0500	99	86-115	
Dibromofluoromethane	0.0463	0.0500	93	86-118	
1,2-Dichloroethane-D4	0.0435	0.0500	87	80-120	
Toluene-D8	0.0496	0.0500	99	88-110	

Lab Batch #: 726367 **Sample:** 305900-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0526	0.0500	105	86-115	
Dibromofluoromethane	0.0480	0.0500	96	86-118	
1,2-Dichloroethane-D4	0.0450	0.0500	90	80-120	
Toluene-D8	0.0509	0.0500	102	88-110	

Lab Batch #: 726367 **Sample:** 305900-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0519	0.0500	104	86-115	
Dibromofluoromethane	0.0472	0.0500	94	86-118	
1,2-Dichloroethane-D4	0.0439	0.0500	88	80-120	
Toluene-D8	0.0506	0.0500	101	88-110	

Lab Batch #: 726367 **Sample:** 305900-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0508	0.0500	102	86-115	
Dibromofluoromethane	0.0484	0.0500	97	86-118	
1,2-Dichloroethane-D4	0.0438	0.0500	88	80-120	
Toluene-D8	0.0507	0.0500	101	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305900 **Project ID:** 49194426

Lab Batch #: 726367 **Sample:** 305900-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0498	0.0500	100	86-115	
Dibromofluoromethane	0.0475	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0434	0.0500	87	80-120	
Toluene-D8	0.0499	0.0500	100	88-110	

Lab Batch #: 726367 **Sample:** 305900-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	86-115	
Dibromofluoromethane	0.0474	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0450	0.0500	90	80-120	
Toluene-D8	0.0500	0.0500	100	88-110	

Lab Batch #: 726367 **Sample:** 305900-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0499	0.0500	100	86-115	
Dibromofluoromethane	0.0479	0.0500	96	86-118	
1,2-Dichloroethane-D4	0.0437	0.0500	87	80-120	
Toluene-D8	0.0500	0.0500	100	88-110	

Lab Batch #: 726367 **Sample:** 305900-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX 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	86-115	
Dibromofluoromethane	0.0461	0.0500	92	86-118	
1,2-Dichloroethane-D4	0.0414	0.0500	83	80-120	
Toluene-D8	0.0514	0.0500	103	88-110	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305900 **Project ID:** 49194426

Lab Batch #: 726367 **Sample:** 305900-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0519	0.0500	104	86-115	
Dibromofluoromethane	0.0477	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0431	0.0500	86	80-120	
Toluene-D8	0.0512	0.0500	102	88-110	

Lab Batch #: 726367 **Sample:** 511138-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0533	0.0500	107	86-115	
Dibromofluoromethane	0.0429	0.0500	86	86-118	
1,2-Dichloroethane-D4	0.0413	0.0500	83	80-120	
Toluene-D8	0.0508	0.0500	102	88-110	

Lab Batch #: 726367 **Sample:** 511138-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

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	86-115	
Dibromofluoromethane	0.0461	0.0500	92	86-118	
1,2-Dichloroethane-D4	0.0427	0.0500	85	80-120	
Toluene-D8	0.0518	0.0500	104	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305900 **Project ID:** 49194426

Lab Batch #: 726367 **Sample:** 511138-1-BKS **Matrix:** Water

Date Analyzed: 06/25/2008 **Date Prepared:** 06/25/2008 **Analyst:** QIB

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	0.0904	90	66-142	
Toluene	ND	0.1000	0.0931	93	59-139	
Ethylbenzene	ND	0.1000	0.0984	98	75-125	
m,p-Xylene	ND	0.2000	0.1991	100	75-125	
o-Xylene	ND	0.1000	0.1000	100	75-125	

nk Spike Recovery [D] = 100*[C]/[B]
results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305900 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 06/17/2008 **Date Analyzed:** 06/17/2008

Lab Batch ID: 725673 **Sample:** 725673-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals per ICP by SW846 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	0.800	0.844	106	0.8	0.805	101	5	75-125	25	
Barium	ND	0.200	0.210	105	0.2	0.211	106	0	75-125	25	
Cadmium	ND	0.200	0.224	112	0.2	0.226	113	1	75-125	25	
Chromium	ND	0.200	0.206	103	0.2	0.205	103	0	75-125	25	
Lead	ND	1.10	1.26	115	1.1	1.24	113	2	75-125	25	
Selenium	ND	0.400	0.452	113	0.4	0.388	97	15	75-125	25	
Silver	ND	0.100	0.106	106	0.1	0.086	86	21	75-125	25	

Analyst: LATCOR **Date Prepared:** 06/17/2008 **Date Analyzed:** 06/17/2008

Lab Batch ID: 725670 **Sample:** 725670-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by EPA 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
Mercury	ND	0.0010	0.0011	110	0.001	0.0012	120	9	75-125	20	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: EQPL Basin Jal Pump Station

ork Order #: 305900
Lab Batch #: 725673 **Project ID:** 49194426
ate Analyzed: 06/17/2008 **Date Prepared:** 06/17/2008 **Analyst:** LATCOR
C- Sample ID: 305900-001 S **Batch #:** 1 **Matrix:** Water
porting Units: mg/L

Dissolved Metals per ICP by SW846 6010B	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
senic	0.146	0.800	0.286	18	75-125	X
rium	ND	0.200	0.187	94	75-125	
dmium	0.032	0.200	0.207	88	75-125	
romium	ND	0.200	0.088	44	75-125	X
ıd	0.064	1.10	0.981	83	75-125	
enium	ND	0.400	0.295	74	75-125	X
ver	ND	0.100	ND	0	75-125	X

Lab Batch #: 725670
ate Analyzed: 06/17/2008 **Date Prepared:** 06/17/2008 **Analyst:** LATCOR
C- Sample ID: 305900-001 S **Batch #:** 1 **Matrix:** Water
porting Units: mg/L

Mercury by EPA 7470A	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
rcury	0.0001	0.0010	0.0011	100	75-125	

: Spike Percent Recovery [D] = 100*(C-A)/B
ve Percent Difference [E] = 200*(C-A)/(C+B)
sults are based on MDL and Validated for QC Purposes

ENVIRONMENTAL LAB OF

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 305900 **Project ID:** 49194426

Lab Batch ID: 726367 **QC- Sample ID:** 305900-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 06/25/2008 **Date Prepared:** 06/25/2008 **Analyst:** MAA

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	0.1037	104	0.1000	0.0986	99	5	66-142	20	
Toluene	ND	0.1000	0.1035	104	0.1000	0.1005	101	3	59-139	20	
Ethylbenzene	ND	0.1000	0.1099	110	0.1000	0.1062	106	4	75-125	20	
m,p-Xylene	ND	0.2000	0.2166	108	0.2000	0.2090	105	3	75-125	20	
o-Xylene	ND	0.1000	0.1113	111	0.1000	0.1089	109	2	75-125	20	

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

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

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 3 1 4 3

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/16/08

PAGE 1 of 2

PO #:

SAP #: 7 2 0 8 3 3 7

URS Corporation

7720 N. 16th Street, Suite 100

Phoenix, AZ 85020

(602) 648-2402 | (602) 371-1615

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

Jain Olness | 49194426

John Savoie

LAB USE ONLY: 309900

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: Cooler #1 5.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2aild.com

Metals samples were field filtered

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE EDD 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	DISSOLVED METALS 6010	Container PID Readings or Laboratory Notes
01	MW-01	6/13	1445	WATER	X	X				4	X	X	
02	MW-05	6/13	1635	WATER	X	X				4	X	X	
03	MW-11	6/13	1757	WATER	X	X				4	X	X	
04	MW-15	6/14	705	WATER	X	X				4	X	X	
05	MW-13	6/14	823	WATER	X	X				4	X	X	
06	MW-21	6/14	1013	WATER	X	X				4	X	X	
07	MW-17	6/14	1130	WATER	X	X				4	X	X	
08	MW-16	6/14	1357	WATER	X	X				4	X	X	
09	MW-18	6/15	853	WATER	X	X				4	X	X	
10	MW-04	6/15	842	WATER	X	X				4	X	X	

Relinquished by (Signature)		Date: 6-16-08	Time: 0950
Relinquished by (Signature)	Received by (Signature)	Date:	Time
Relinquished by (Signature)	Received by (Signature): Andrea Lam	Date: 6-16-08	Time: 9:50

w/ labels

SCS 9x 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

PO #

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

SAP #: 7 2 0 8 0 3 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE 6/16/08

PAGE 2 of 2

URS Corporation

7720 N. 16th Street, Suite 100

Phoenix, AZ 85020

(602) 648-2402 | (602) 371-1615

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

Iain Olness | 49194426

John Savoie

LAB USE ONLY 305900

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 72 HOURS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

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

TEMPERATURE ON RECEIPT: Cooler #1 5.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2ald.com

Metals samples were field filtered.

☑ SHELL CONTRACT RATE APPLIES

☐ STATE REIMBURSEMENT RATE APPLIES

☐ PROVIDE EDD 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	DISSOLVED METALS 6010	Container PID Readings or Laboratory Notes
11	Trip blank	6/13	1605	WATER	X					2	X		

Relinquished by: (Signature)		Date: 6.16.08	Time: 0950
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature) Andrea Lam	Date: 6-16-08	Time: 9:50

w/labels

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: URS

Date/ Time: 6·16·08 9.50

Lab ID #: 305900

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °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: _____

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 305996

for

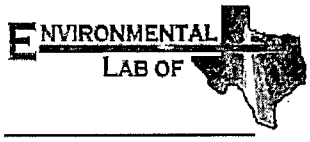
URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

26-JUN-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

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

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

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

26-JUN-08

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

Reference: XENCO Report No: **305996**
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 305996. 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. 305996 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

Sample Cross Reference 305996

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-22	W	Jun-16-08 11:55		305996-001
MW-03	W	Jun-16-08 13:49		305996-002
MW-24	W	Jun-16-08 15:37		305996-003
MW-23	W	Jun-17-08 06:39		305996-004
MW-06	W	Jun-17-08 08:10		305996-005
Trip Blank	W	Jun-12-08 16:05		305996-006

Certificate of Analysis Summary 305996
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Jun-17-08 01:10 pm
Report Date: 26-JUN-08
Project Manager: Brent Barron, II

Analysis Requested		*Lab Id:*	305996-001		305996-002		305996-003		305996-004	
		Field Id:	MW-22		MW-03		MW-24		MW-23	
		Depth:								
		Matrix:	WATER		WATER		WATER		WATER	
		Sampled:	Jun-16-08 11:55		Jun-16-08 13:49		Jun-16-08 15:37		Jun-17-08 06:39	
TEX by SW 8260B		*Extracted:*	Jun-25-08 09:19		Jun-25-08 09:24		Jun-25-08 09:29		Jun-25-08 09:34	
		Analyzed:	Jun-25-08 20:20		Jun-25-08 20:38		Jun-25-08 20:56		Jun-25-08 21:13	
		Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
nzene			0.0050	0.0050	ND	0.0010	0.0473	0.0010	ND	0.0010
luene			0.0057	0.0050	ND	0.0010	ND	0.0010	ND	0.0010
ıylbenzene			ND	0.0050	ND	0.0010	0.0296	0.0010	ND	0.0010
p-Xylene			ND	0.0100	ND	0.0020	0.0252	0.0020	ND	0.0020
Xylene			ND	0.0050	0.0017	0.0010	0.0020	0.0010	ND	0.0010
tal Xylenes			ND		0.0017		0.0272		ND	
tal BTEX			0.0107		0.0017		0.1041		ND	
issolved Metals per ICP by SW846 010B		*Extracted:*								
		Analyzed:	Jun-17-08 14:48		Jun-17-08 14:48		Jun-17-08 14:48		Jun-17-08 14:48	
		Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
senic			0.315	0.010	ND	0.010	ND	0.010	0.063	0.010
rium			0.148	0.010	0.214	0.010	0.036	0.010	0.032	0.010
dmium			0.061	0.005	0.029	0.005	0.077	0.005	0.035	0.005
romium			0.098	0.005	0.054	0.005	ND	0.005	0.006	0.005
ad			ND	0.012	0.146	0.012	0.338	0.012	0.094	0.012
enium			ND	0.010	ND	0.010	ND	0.010	0.199	0.010
ver			ND	0.004	ND	0.004	ND	0.004	ND	0.004
Iercury by EPA 7470A		*Extracted:*								
		Analyzed:	Jun-18-08 15:34		Jun-18-08 15:34		Jun-18-08 15:34		Jun-18-08 15:34	
		Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
rcury			ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 305996
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Jun-17-08 01:10 pm
Report Date: 26-JUN-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	305996-005		305996-006					
	Field Id:	MW-06		Trip Blank					
	Depth:								
	Matrix:	WATER		WATER					
	Sampled:	Jun-17-08 08:10		Jun-12-08 16:05					
BTEX by SW 8260B	*Extracted:*	Jun-25-08 09:39		Jun-25-08 09:44					
	Analyzed:	Jun-25-08 21:31		Jun-25-08 20:02					
	Units/RL:	mg/L	RL	mg/L	RL				
Benzene		0.0054	0.0010	ND	0.0010				
Toluene		ND	0.0010	ND	0.0010				
Ethylbenzene		0.0023	0.0010	ND	0.0010				
m,p-Xylene		ND	0.0020	ND	0.0020				
o-Xylene		0.0014	0.0010	ND	0.0010				
Total Xylenes		0.0014		ND					
Total BTEX		0.0091		ND					
Dissolved Metals per ICP by SW846 6010B	*Extracted:*								
	Analyzed:	Jun-17-08 14:48							
	Units/RL:	mg/L	RL						
Arsenic		0.184	0.010						
Barium		0.081	0.010						
Cadmium		0.032	0.005						
Chromium		0.028	0.005						
Lead		0.128	0.012						
Selenium		0.309	0.010						
Silver		ND	0.004						
Mercury by EPA 7470A	*Extracted:*								
	Analyzed:	Jun-18-08 15:34							
	Units/RL:	mg/L	RL						
Mercury		ND	0.0001						

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305996 **Project ID:** 49194426

Lab Batch #: 726419 **Sample:** 305996-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0502	0.0500	100	86-115	
Dibromofluoromethane	0.0493	0.0500	99	86-118	
1,2-Dichloroethane-D4	0.0459	0.0500	92	80-120	
Toluene-D8	0.0504	0.0500	101	88-110	

Lab Batch #: 726419 **Sample:** 305996-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0504	0.0500	101	86-115	
Dibromofluoromethane	0.0475	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0422	0.0500	84	80-120	
Toluene-D8	0.0506	0.0500	101	88-110	

Lab Batch #: 726419 **Sample:** 305996-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	86-115	
Dibromofluoromethane	0.0474	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0428	0.0500	86	80-120	
Toluene-D8	0.0503	0.0500	101	88-110	

Lab Batch #: 726419 **Sample:** 305996-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	86-115	
Dibromofluoromethane	0.0457	0.0500	91	86-118	
1,2-Dichloroethane-D4	0.0418	0.0500	84	80-120	
Toluene-D8	0.0510	0.0500	102	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305996 **Project ID:** 49194426

Lab Batch #: 726419 **Sample:** 305996-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	86-115	
Dibromofluoromethane	0.0474	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0414	0.0500	83	80-120	
Toluene-D8	0.0508	0.0500	102	88-110	

Lab Batch #: 726419 **Sample:** 305996-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	86-115	
Dibromofluoromethane	0.0458	0.0500	92	86-118	
1,2-Dichloroethane-D4	0.0417	0.0500	83	80-120	
Toluene-D8	0.0516	0.0500	103	88-110	

Lab Batch #: 726419 **Sample:** 306193-006 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0527	0.0500	105	86-115	
Dibromofluoromethane	0.0423	0.0500	85	86-118	**
1,2-Dichloroethane-D4	0.0404	0.0500	81	80-120	
Toluene-D8	0.0515	0.0500	103	88-110	

Lab Batch #: 726419 **Sample:** 306193-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0534	0.0500	107	86-115	
Dibromofluoromethane	0.0424	0.0500	85	86-118	**
1,2-Dichloroethane-D4	0.0405	0.0500	81	80-120	
Toluene-D8	0.0514	0.0500	103	88-110	

' Surrogates outside limits; data and surrogates confirmed by reanalysis

'* Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305996 **Project ID:** 49194426

Lab Batch #: 726419 **Sample:** 511166-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0515	0.0500	103	86-115	
Dibromofluoromethane	0.0441	0.0500	88	86-118	
1,2-Dichloroethane-D4	0.0402	0.0500	80	80-120	
Toluene-D8	0.0505	0.0500	101	88-110	

Lab Batch #: 726419 **Sample:** 511166-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0504	0.0500	101	86-115	
Dibromofluoromethane	0.0462	0.0500	92	86-118	
1,2-Dichloroethane-D4	0.0423	0.0500	85	80-120	
Toluene-D8	0.0504	0.0500	101	88-110	

Lab Batch #: 726419 **Sample:** 511166-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0514	0.0500	103	86-115	
Dibromofluoromethane	0.0450	0.0500	90	86-118	
1,2-Dichloroethane-D4	0.0408	0.0500	82	80-120	
Toluene-D8	0.0509	0.0500	102	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Laboratories

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305996 **Project ID:** 49194426

Analyst: MAA **Date Prepared:** 06/25/2008 **Date Analyzed:** 06/25/2008

Lab Batch ID: 726419 **Sample:** 511166-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0707	71	0.1	0.0687	69	3	66-142	20	
Toluene	ND	0.1000	0.0720	72	0.1	0.0712	71	1	59-139	20	
Ethylbenzene	ND	0.1000	0.0812	81	0.1	0.0818	82	1	75-125	20	
m,p-Xylene	ND	0.2000	0.1607	80	0.2	0.1643	82	2	75-125	20	
o-Xylene	ND	0.1000	0.0823	82	0.1	0.0838	84	2	75-125	20	

Analyst: LATCOR **Date Prepared:** 06/17/2008 **Date Analyzed:** 06/17/2008

Lab Batch ID: 725673 **Sample:** 725673-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Dissolved Metals per ICP by SW846 6010B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	ND	0.800	0.844	106	0.8	0.805	101	5	75-125	25	
Barium	ND	0.200	0.210	105	0.2	0.211	106	0	75-125	25	
Cadmium	ND	0.200	0.224	112	0.2	0.226	113	1	75-125	25	
Chromium	ND	0.200	0.206	103	0.2	0.205	103	0	75-125	25	
Lead	ND	1.10	1.26	115	1.1	1.24	113	2	75-125	25	
Selenium	ND	0.400	0.452	113	0.4	0.388	97	15	75-125	25	
Silver	ND	0.100	0.106	106	0.1	0.086	86	21	75-125	25	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 305996 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 06/18/2008 **Date Analyzed:** 06/18/2008

Lab Batch ID: 725765 **Sample:** 725765-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by EPA 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
Mercury	ND	0.0010	0.0011	110	0.001	0.0011	110	0	75-125	20	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: EQPL Basin Jal Pump Station

ork Order #: 305996

Lab Batch #: 725673 **Project ID:** 49194426

ate Analyzed: 06/17/2008 **Date Prepared:** 06/17/2008 **Analyst:** LATCOR

C- Sample ID: 305900-001 S **Batch #:** 1 **Matrix:** Water

porting Units: mg/L

Dissolved Metals per ICP by SW846 6010B	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
senic	0.146	0.800	0.286	18	75-125	X
rium	ND	0.200	0.187	94	75-125	
dmium	0.032	0.200	0.207	88	75-125	
romium	ND	0.200	0.088	44	75-125	X
ıd	0.064	1.10	0.981	83	75-125	
enium	ND	0.400	0.295	74	75-125	X
ver	ND	0.100	ND	0	75-125	X

Lab Batch #: 725765

ate Analyzed: 06/18/2008 **Date Prepared:** 06/18/2008 **Analyst:** LATCOR

C- Sample ID: 305996-001 S **Batch #:** 1 **Matrix:** Water

porting Units: mg/L

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

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

ve Percent Difference [E] = 200*(C-A)/(C+B)

sults are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order # : 305996 **Project ID:** 49194426

Lab Batch ID: 726419 **QC- Sample ID:** 306193-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 06/25/2008 **Date Prepared:** 06/25/2008 **Analyst:** MAA

Reporting Units: mg/L

BTEX 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
Benzene	ND	0.1000	0.0739	74	0.1000	0.0763	76	3	66-142	20	
Toluene	ND	0.1000	0.0773	77	0.1000	0.0802	80	4	59-139	20	
Ethylbenzene	ND	0.1000	0.0887	89	0.1000	0.0927	93	4	75-125	20	
m,p-Xylene	ND	0.2000	0.1729	86	0.2000	0.1825	91	6	75-125	20	
o-Xylene	ND	0.1000	0.0884	88	0.1000	0.0941	94	7	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*(D-G)/(D+G)

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] XENCO ( )
- [ ] CALSCIENCE ( )
- [ ] TEST AMERICA ( )
- [ ] SPL ( )
- [ ] OTHER ( )

Please Check Appropriate Box:

- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SOREN
- [ ] CONSULTANT
- [ ] LUBES
- [x] 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: 6/17/08

PAGE 1 of 1

PO #:

SAP #: 7 2 0 8 0 3 7

URS Corporation

7720 N. 16th Street, Suite 100

Phoenix, AZ 85020

(602) 648-2402 | (602) 371-1615

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

Iain Olness | 49194426

John Savoie

LAB USE ONLY: 305996

TURNAROUND TIME (CALENDAR DAYS)

- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT: Cooler #1 = 1.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES: not frozen

Send edd to jsavoie@2alto.com

Metals samples were field filtered

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] PROVIDE EDD 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	DISSOLVED METALS 6010 (13)	Container PID Readings or Laboratory Notes
01	MW-22	6/16	1155	WATER	X	X				4	X	X	
02	MW-09	6/16	1349	WATER	X	X				4	X	X	
03	MW-24	6/16	1537	WATER	X	X				4	X	X	
04	MW-23	6/17	839	WATER	X	X				4	X	X	
05	MW-08	6/17	810	WATER	X	X				4	X	X	
06	TRIP BLANK	6/12	1508	WATER	X	X				2	X		

		Date	Time
Relinquished by (Signature)		1310	6-17-08
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature) Andrea Lam	Date 6 17 08	Time 13:10

05/06 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: JRS

Date/ Time: 6.17.08 13:10

Lab ID # : 305996

Initials: AL

Sample Receipt Checklist

				Not Frozen	Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	-7.0 °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: _____

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 311147

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

09-SEP-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

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

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

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

09-SEP-08

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

Reference: XENCO Report No: **311147**
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 311147. 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. 311147 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 311147

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-01	W	Aug-25-08 09:06		311147-001
MW-05	W	Aug-25-08 10:02		311147-002
MW-11	W	Aug-25-08 11:51		311147-003
MW-15	W	Aug-25-08 12:47		311147-004
MW-13	W	Aug-25-08 13:55		311147-005
MW-21	W	Aug-26-08 07:24		311147-006
MW-17	W	Aug-26-08 08:25		311147-007
MW-16	W	Aug-26-08 09:30		311147-008
MW-10	W	Aug-26-08 11:42		311147-009
MW-22	W	Aug-26-08 12:57		311147-010
MW-24	W	Aug-26-08 14:05		311147-011
MW-23	W	Aug-26-08 15:03		311147-012
Trip Blank	W	Aug-21-08 17:00		311147-013

Certificate of Analysis Summary 311147
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Aug-27-08 11:50 am
Report Date: 09-SEP-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	311147-001		311147-002		311147-003		311147-004	
	Field Id:	MW-01		MW-05		MW-11		MW-15	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Aug-25-08 09:06		Aug-25-08 10:02		Aug-25-08 11:51		Aug-25-08 12:47	
TEX by SW 8260B	*Extracted:*	Sep-05-08 09:00		Sep-04-08 17:40		Sep-04-08 17:42		Sep-04-08 17:44	
	Analyzed:	Sep-05-08 10:55		Sep-05-08 03:59		Sep-05-08 04:22		Sep-05-08 04:46	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
nzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
luene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
ıylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
o-Xylene		ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Xylene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
tal Xylenes		ND		ND		ND		ND	
tal BTEX		ND		ND		ND		ND	
issolved Metals per ICP by SW846 010B	*Extracted:*	Sep-02-08 07:00		Sep-02-08 07:00		Sep-02-08 07:00		Sep-02-08 07:00	
	Analyzed:	Sep-03-08 08:39		Sep-03-08 08:40		Sep-03-08 08:44		Sep-03-08 08:50	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
senic		ND	0.010	ND	0.010	0.010	0.010	ND	0.010
rium		0.019	0.010	0.099	0.010	0.021	0.010	0.021	0.010
dmium		ND	0.005	ND	0.005	ND	0.005	ND	0.005
romium		ND	0.005	ND	0.005	ND	0.005	ND	0.005
ıd		ND	0.012	ND	0.012	ND	0.012	ND	0.012
enium		0.015	0.010	ND	0.010	ND	0.010	0.020	0.010
ver		ND	0.004	ND	0.004	ND	0.004	ND	0.004
lercury by EPA 7470A	*Extracted:*	Aug-28-08 10:58		Aug-28-08 10:58		Aug-28-08 10:58		Aug-28-08 10:58	
	Analyzed:	Aug-28-08 14:01		Aug-28-08 14:03		Aug-28-08 14:04		Aug-28-08 14:06	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
rcury		0.0001	0.0001	ND	0.0001	0.0002	0.0001	0.0001	0.0001

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 311147
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426 **Date Received in Lab:** Aug-27-08 11:50 am
Contact: Iain Olness **Report Date:** 09-SEP-08
Project Location: **Project Manager:** Brent Barron, II

Analysis Requested	*Lab Id:*	311147-005		311147-006		311147-007		311147-008	
	Field Id:	MW-13		MW-21		MW-17		MW-16	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Aug-25-08 13:55		Aug-26-08 07:24		Aug-26-08 08:25		Aug-26-08 09:30	
BTEX by SW 8260B	*Extracted:*	Sep-04-08 17:28		Sep-04-08 17:30		Sep-04-08 17:31		Sep-04-08 17:32	
	Analyzed:	Sep-05-08 01:50		Sep-05-08 02:12		Sep-05-08 02:34		Sep-05-08 02:57	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		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
Ethylbenzene		ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
m,p-Xylene		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
Total Xylenes		ND		ND		ND		ND	
Total BTEX		ND		ND		ND		ND	
Dissolved Metals per ICP by SW846 6010B	*Extracted:*	Sep-02-08 07:00		Sep-02-08 07:00		Sep-02-08 07:00		Sep-02-08 07:00	
	Analyzed:	Sep-03-08 08:51		Sep-03-08 08:52		Sep-03-08 08:53		Sep-03-08 08:58	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.012	0.010	ND	0.010	ND	0.010	ND	0.010
Barium		0.149	0.010	0.043	0.010	0.036	0.010	0.030	0.010
Cadmium		ND	0.005	ND	0.005	ND	0.005	ND	0.005
Chromium		ND	0.005	ND	0.005	ND	0.005	ND	0.005
Lead		ND	0.012	ND	0.012	ND	0.012	ND	0.012
Selenium		ND	0.010	ND	0.010	0.015	0.010	0.068	0.010
Silver		ND	0.004	ND	0.004	ND	0.004	ND	0.004
Mercury by EPA 7470A	*Extracted:*	Aug-28-08 10:58		Aug-28-08 10:58		Aug-28-08 10:58		Aug-28-08 10:58	
	Analyzed:	Aug-28-08 14:11		Aug-28-08 14:13		Aug-28-08 14:15		Aug-28-08 14:16	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Mercury		ND	0.0001	0.0002	0.0001	ND	0.0001	ND	0.0001

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 311147
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Aug-27-08 11:50 am
Report Date: 09-SEP-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	311147-009		311147-010		311147-011		311147-012	
	Field Id:	MW-10		MW-22		MW-24		MW-23	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Aug-26-08 11:42		Aug-26-08 12:57		Aug-26-08 14:05		Aug-26-08 15:03	
TEX by SW 8260B	*Extracted:*	Sep-05-08 10:16		Sep-05-08 10:18		Sep-08-08 10:28		Sep-04-08 17:34	
	Analyzed:	Sep-05-08 14:14		Sep-05-08 14:37		Sep-08-08 19:13		Sep-05-08 03:19	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
nzene		ND	0.0010	ND	0.0010	0.0381	0.0010	ND	0.0010
luene		ND	0.0010	ND	0.0010	0.0023	0.0010	ND	0.0010
ıylbenzene		ND	0.0010	ND	0.0010	0.0607	0.0010	ND	0.0010
p-Xylene		ND	0.0020	ND	0.0020	0.0027	0.0020	ND	0.0020
Xylene		ND	0.0010	0.0027	0.0010	0.0062	0.0010	ND	0.0010
tal Xylenes		ND		0.0027		0.0089		ND	
tal BTEX		ND		0.0027		0.11		ND	
issolved Metals per ICP by SW846 010B	*Extracted:*	Sep-02-08 07:00		Sep-02-08 07:00		Sep-02-08 07:00		Sep-02-08 07:00	
	Analyzed:	Sep-03-08 08:19		Sep-03-08 09:00		Sep-03-08 09:01		Sep-03-08 09:02	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
senic		ND	0.010	0.026	0.010	ND	0.010	ND	0.010
rium		0.112	0.010	0.109	0.010	0.042	0.010	0.043	0.010
dmium		ND	0.005	ND	0.005	ND	0.005	ND	0.005
romium		ND	0.005	ND	0.005	ND	0.005	ND	0.005
ad		ND	0.012	ND	0.012	ND	0.012	ND	0.012
enium		ND	0.010	ND	0.010	ND	0.010	0.013	0.010
ver		ND	0.004	ND	0.004	ND	0.004	ND	0.004
Iercury by EPA 7470A	*Extracted:*	Aug-28-08 10:58		Aug-28-08 10:58		Aug-28-08 10:58		Aug-28-08 10:58	
	Analyzed:	Aug-28-08 14:18		Aug-28-08 14:19		Aug-28-08 14:21		Aug-28-08 14:22	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
rcury		0.0002	0.0001	0.0002	0.0001	ND	0.0001	ND	0.0001

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 311147
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Aug-27-08 11:50 am
Report Date: 09-SEP-08
Project Manager: Brent Barron, II

Analysis Requested					
	Lab Id:	311147-013			
	Field Id:	Trip Blank			
	Depth:				
	Matrix:	WATER			
	Sampled:	Aug-21-08 17:00			
BTEX by SW 8260B	*Extracted:*	Sep-04-08 17:36			
	Analyzed:	Sep-05-08 03:41			
	Units/RL:	mg/L RL			
Benzene		ND 0.0010			
Toluene		ND 0.0010			
Ethylbenzene		ND 0.0010			
m,p-Xylene		ND 0.0020			
o-Xylene		ND 0.0010			
Total Xylenes		ND			
Total BTEX		ND			

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147, **Project ID:** 49194426

Lab Batch #: 733242 **Sample:** 311021-003 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0496	0.0500	99	86-115	
Dibromofluoromethane	0.0542	0.0500	108	86-118	
1,2-Dichloroethane-D4	0.0535	0.0500	107	80-120	
Toluene-D8	0.0489	0.0500	98	88-110	

Lab Batch #: 733242 **Sample:** 311021-003 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0501	0.0500	100	86-115	
Dibromofluoromethane	0.0512	0.0500	102	86-118	
1,2-Dichloroethane-D4	0.0532	0.0500	106	80-120	
Toluene-D8	0.0492	0.0500	98	88-110	

Lab Batch #: 733242 **Sample:** 311147-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0521	0.0500	104	86-115	
Dibromofluoromethane	0.0510	0.0500	102	86-118	
1,2-Dichloroethane-D4	0.0482	0.0500	96	80-120	
Toluene-D8	0.0498	0.0500	100	88-110	

Lab Batch #: 733242 **Sample:** 311147-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	86-115	
Dibromofluoromethane	0.0521	0.0500	104	86-118	
1,2-Dichloroethane-D4	0.0508	0.0500	102	80-120	
Toluene-D8	0.0492	0.0500	98	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733242 **Sample:** 311147-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0507	0.0500	101	86-115	
Dibromofluoromethane	0.0533	0.0500	107	86-118	
1,2-Dichloroethane-D4	0.0518	0.0500	104	80-120	
Toluene-D8	0.0493	0.0500	99	88-110	

Lab Batch #: 733242 **Sample:** 311147-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	86-115	
Dibromofluoromethane	0.0511	0.0500	102	86-118	
1,2-Dichloroethane-D4	0.0499	0.0500	100	80-120	
Toluene-D8	0.0497	0.0500	99	88-110	

Lab Batch #: 733242 **Sample:** 311147-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0509	0.0500	102	86-115	
Dibromofluoromethane	0.0520	0.0500	104	86-118	
1,2-Dichloroethane-D4	0.0516	0.0500	103	80-120	
Toluene-D8	0.0497	0.0500	99	88-110	

Lab Batch #: 733242 **Sample:** 311147-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0506	0.0500	101	86-115	
Dibromofluoromethane	0.0532	0.0500	106	86-118	
1,2-Dichloroethane-D4	0.0509	0.0500	102	80-120	
Toluene-D8	0.0495	0.0500	99	88-110	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733242 **Sample:** 515144-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0513	0.0500	103	86-115	
Dibromofluoromethane	0.0508	0.0500	102	86-118	
1,2-Dichloroethane-D4	0.0505	0.0500	101	80-120	
Toluene-D8	0.0492	0.0500	98	88-110	

Lab Batch #: 733242 **Sample:** 515144-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0507	0.0500	101	86-115	
Dibromofluoromethane	0.0502	0.0500	100	86-118	
1,2-Dichloroethane-D4	0.0487	0.0500	97	80-120	
Toluene-D8	0.0495	0.0500	99	88-110	

Lab Batch #: 733252 **Sample:** 311147-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0478	0.0500	96	86-115	
Dibromofluoromethane	0.0520	0.0500	104	86-118	
1,2-Dichloroethane-D4	0.0515	0.0500	103	80-120	
Toluene-D8	0.0464	0.0500	93	88-110	

Lab Batch #: 733252 **Sample:** 311147-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	86-115	
Dibromofluoromethane	0.0519	0.0500	104	86-118	
1,2-Dichloroethane-D4	0.0533	0.0500	107	80-120	
Toluene-D8	0.0464	0.0500	93	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733252 **Sample:** 311147-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0464	0.0500	93	86-115	
Dibromofluoromethane	0.0513	0.0500	103	86-118	
1,2-Dichloroethane-D4	0.0524	0.0500	105	80-120	
Toluene-D8	0.0466	0.0500	93	88-110	

Lab Batch #: 733252 **Sample:** 311349-004 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0483	0.0500	97	86-115	
Dibromofluoromethane	0.0602	0.0500	120	86-118	**
1,2-Dichloroethane-D4	0.0631	0.0500	126	80-120	**
Toluene-D8	0.0441	0.0500	88	88-110	

Lab Batch #: 733252 **Sample:** 311349-004 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

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	86-115	
Dibromofluoromethane	0.0569	0.0500	114	86-118	
1,2-Dichloroethane-D4	0.0589	0.0500	118	80-120	
Toluene-D8	0.0454	0.0500	91	88-110	

Lab Batch #: 733252 **Sample:** 515146-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0465	0.0500	93	86-115	
Dibromofluoromethane	0.0475	0.0500	95	86-118	
1,2-Dichloroethane-D4	0.0508	0.0500	102	80-120	
Toluene-D8	0.0477	0.0500	95	88-110	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733252 **Sample:** 515146-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0489	0.0500	98	86-115	
Dibromofluoromethane	0.0502	0.0500	100	86-118	
1,2-Dichloroethane-D4	0.0477	0.0500	95	80-120	
Toluene-D8	0.0486	0.0500	97	88-110	

Lab Batch #: 733329 **Sample:** 311147-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0538	0.0500	108	86-115	
Dibromofluoromethane	0.0487	0.0500	97	86-118	
1,2-Dichloroethane-D4	0.0464	0.0500	93	80-120	
Toluene-D8	0.0496	0.0500	99	88-110	

Lab Batch #: 733329 **Sample:** 311147-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0519	0.0500	104	86-115	
Dibromofluoromethane	0.0762	0.0500	152	86-118	**
1,2-Dichloroethane-D4	0.0750	0.0500	150	80-120	**
Toluene-D8	0.0456	0.0500	91	88-110	

Lab Batch #: 733329 **Sample:** 311147-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0544	0.0500	109	86-115	
Dibromofluoromethane	0.0761	0.0500	152	86-118	**
1,2-Dichloroethane-D4	0.0566	0.0500	113	80-120	
Toluene-D8	0.0439	0.0500	88	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733329 **Sample:** 311147-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0554	0.0500	111	86-115	
Dibromofluoromethane	0.0551	0.0500	110	86-118	
1,2-Dichloroethane-D4	0.0505	0.0500	101	80-120	
Toluene-D8	0.0522	0.0500	104	88-110	

Lab Batch #: 733329 **Sample:** 311147-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0564	0.0500	113	86-115	
Dibromofluoromethane	0.0569	0.0500	114	86-118	
1,2-Dichloroethane-D4	0.0450	0.0500	90	80-120	
Toluene-D8	0.0484	0.0500	97	88-110	

Lab Batch #: 733329 **Sample:** 515202-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0538	0.0500	108	86-115	
Dibromofluoromethane	0.0582	0.0500	116	86-118	
1,2-Dichloroethane-D4	0.0545	0.0500	109	80-120	
Toluene-D8	0.0457	0.0500	91	88-110	

Lab Batch #: 733329 **Sample:** 515202-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0474	0.0500	95	86-115	
Dibromofluoromethane	0.0463	0.0500	93	86-118	
1,2-Dichloroethane-D4	0.0447	0.0500	89	80-120	
Toluene-D8	0.0464	0.0500	93	88-110	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733482 **Sample:** 311147-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0561	0.0500	112	86-115	
Dibromofluoromethane	0.0543	0.0500	109	86-118	
1,2-Dichloroethane-D4	0.0538	0.0500	108	80-120	
Toluene-D8	0.0522	0.0500	104	88-110	

Lab Batch #: 733482 **Sample:** 311182-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0533	0.0500	107	86-115	
Dibromofluoromethane	0.0523	0.0500	105	86-118	
1,2-Dichloroethane-D4	0.0506	0.0500	101	80-120	
Toluene-D8	0.0530	0.0500	106	88-110	

Lab Batch #: 733482 **Sample:** 311182-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0531	0.0500	106	86-115	
Dibromofluoromethane	0.0527	0.0500	105	86-118	
1,2-Dichloroethane-D4	0.0523	0.0500	105	80-120	
Toluene-D8	0.0490	0.0500	98	88-110	

Lab Batch #: 733482 **Sample:** 515287-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0527	0.0500	105	86-115	
Dibromofluoromethane	0.0456	0.0500	91	86-118	
1,2-Dichloroethane-D4	0.0480	0.0500	96	80-120	
Toluene-D8	0.0536	0.0500	107	88-110	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 311147,

Project ID: 49194426

Lab Batch #: 733482 **Sample:** 515287-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0527	0.0500	105	86-115	
Dibromofluoromethane	0.0463	0.0500	93	86-118	
1,2-Dichloroethane-D4	0.0466	0.0500	93	80-120	
Toluene-D8	0.0522	0.0500	104	88-110	

* Surrogates outside limits; data and surrogates confirmed by reanalysis

** Poor recoveries due to dilution

urrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 311147 **Project ID:** 49194426

Lab Batch #: 733242 **Sample:** 515144-1-BKS **Matrix:** Water
Date Analyzed: 09/04/2008 **Date Prepared:** 09/04/2008 **Analyst:** OLZ
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	0.1068	107	66-142	
Toluene	ND	0.1000	0.0984	98	59-139	
Ethylbenzene	ND	0.1000	0.1079	108	75-125	
m,p-Xylene	ND	0.2000	0.2053	103	75-125	
o-Xylene	ND	0.1000	0.1088	109	75-125	

Lab Batch #: 733252 **Sample:** 515146-1-BKS **Matrix:** Water
Date Analyzed: 09/04/2008 **Date Prepared:** 09/04/2008 **Analyst:** PBU
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	0.100	0.109	109	66-142	
Toluene	ND	0.100	0.099	99	59-139	
Ethylbenzene	ND	0.100	0.105	105	75-125	
m,p-Xylene	ND	0.200	0.204	102	75-125	
o-Xylene	ND	0.100	0.105	105	75-125	

Lab Batch #: 733329 **Sample:** 515202-1-BKS **Matrix:** Water
Date Analyzed: 09/05/2008 **Date Prepared:** 09/05/2008 **Analyst:** PBU
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	0.1080	108	66-142	
Toluene	ND	0.1000	0.0917	92	59-139	
Ethylbenzene	ND	0.1000	0.1042	104	75-125	
m,p-Xylene	ND	0.2000	0.2058	103	75-125	
o-Xylene	ND	0.1000	0.1048	105	75-125	

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

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 311147 **Project ID:** 49194426

Lab Batch #: 733482 **Sample:** 515287-1-BKS **Matrix:** Water

Date Analyzed: 09/08/2008 **Date Prepared:** 09/08/2008 **Analyst:** BEC

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	0.0830	83	66-142	
Toluene	ND	0.1000	0.1038	104	59-139	
Ethylbenzene	ND	0.1000	0.1095	110	75-125	
m,p-Xylene	ND	0.2000	0.2305	115	75-125	
o-Xylene	ND	0.1000	0.1069	107	75-125	

ank Spike Recovery [D] = 100*[C]/[B]
results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 311147 **Project ID:** 49194426

Analyst: DAT **Date Prepared:** 09/02/2008 **Date Analyzed:** 09/03/2008

Lab Batch ID: 732926 **Sample:** 514865-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals per ICP by SW846 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	1.06	106	1	1.03	103	3	75-125	25	
Barium	ND	1.00	1.08	108	1	1.04	104	4	75-125	25	
Cadmium	ND	1.00	1.05	105	1	0.979	98	7	75-125	25	
Chromium	ND	1.00	1.12	112	1	1.10	110	2	75-125	25	
Lead	ND	1.00	1.05	105	1	1.03	103	2	75-125	25	
Selenium	ND	1.00	1.02	102	1	0.989	99	3	75-125	25	
Silver	1.00	1.00	1.05	105	1	1.01	101	4	75-125	25	

Analyst: DAT **Date Prepared:** 08/28/2008 **Date Analyzed:** 08/28/2008

Lab Batch ID: 732464 **Sample:** 514684-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by EPA 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
Mercury	ND	0.0050	0.0052	104	0.005	0.0049	98	6	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

Laboratories

Project Name: EQPL Basin Jal Pump Station

Work Order # : 311147 **Project ID:** 49194426

Lab Batch ID: 733242 **QC- Sample ID:** 311021-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/04/2008 **Date Prepared:** 09/04/2008 **Analyst:** BEC

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	0.1130	113	0.1000	0.1035	104	8	66-142	20	
Toluene	ND	0.1000	0.1039	104	0.1000	0.0969	97	7	59-139	20	
Ethylbenzene	ND	0.1000	0.1149	115	0.1000	0.1068	107	7	75-125	20	
m,p-Xylene	ND	0.2000	0.2172	109	0.2000	0.1998	100	9	75-125	20	
o-Xylene	ND	0.1000	0.1151	115	0.1000	0.1083	108	6	75-125	20	

Lab Batch ID: 733252 **QC- Sample ID:** 311349-004 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/04/2008 **Date Prepared:** 09/04/2008 **Analyst:** PBU

Reporting Units: ug/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	200.0	236.0	118	200.0	210.0	105	12	66-142	21	
Toluene	ND	200.0	207.0	104	200.0	187.0	94	10	59-139	21	
Ethylbenzene	ND	200.0	219.0	110	200.0	197.0	99	11	75-135	20	
m,p-Xylene	ND	400.0	438.0	110	400.0	397.0	99	11	75-135	20	
o-Xylene	ND	200.0	236.0	118	200.0	219.0	110	7	75-135	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 # : 311147 **Project ID:** 49194426

Lab Batch ID: 733329 **QC- Sample ID:** 311147-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/05/2008 **Date Prepared:** 09/05/2008 **Analyst:** PBU

Reporting Units: mg/L

BTEX 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
Benzene	ND	0.1000	0.1187	119	0.1000	0.1359	136	13	66-142	20	
Toluene	ND	0.1000	0.0961	96	0.1000	0.1029	103	7	59-139	20	
Ethylbenzene	ND	0.1000	0.1131	113	0.1000	0.1144	114	1	75-125	20	
m,p-Xylene	ND	0.2000	0.2174	109	0.2000	0.2248	112	3	75-125	20	
o-Xylene	ND	0.1000	0.1078	108	0.1000	0.1129	113	5	75-125	20	

Lab Batch ID: 733482 **QC- Sample ID:** 311182-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/08/2008 **Date Prepared:** 09/08/2008 **Analyst:** BEC

Reporting Units: mg/L

BTEX 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
Benzene	ND	0.1000	0.0860	86	0.1000	0.0901	90	5	66-142	20	
Toluene	ND	0.1000	0.1019	102	0.1000	0.1001	100	2	59-139	20	
Ethylbenzene	ND	0.1000	0.1060	106	0.1000	0.1167	117	10	75-125	20	
m,p-Xylene	ND	0.2000	0.2234	112	0.2000	0.2430	122	9	75-125	20	
o-Xylene	ND	0.1000	0.1062	106	0.1000	0.1153	115	8	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

Laboratories

Project Name: EQPL Basin Jal Pump Station

Work Order # : 311147 **Project ID:** 49194426

Lab Batch ID: 732926 **QC- Sample ID:** 311147-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/03/2008 **Date Prepared:** 09/02/2008 **Analyst:** DAT

Reporting Units: mg/L

Dissolved Metals per ICP by SW846 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	0.010	1.00	1.05	104	1.00	1.02	101	3	75-125	25	
Barium	0.021	1.00	1.01	99	1.00	1.01	99	0	75-125	25	
Cadmium	ND	1.00	0.991	99	1.00	1.01	101	2	75-125	25	
Chromium	ND	1.00	1.07	107	1.00	1.05	105	2	75-125	25	
Lead	ND	1.00	0.999	100	1.00	0.987	99	1	75-125	25	
Selenium	ND	1.00	1.05	105	1.00	1.03	103	2	75-125	25	
Silver	ND	1.00	1.01	101	1.00	1.03	103	2	75-125	25	

Lab Batch ID: 732464 **QC- Sample ID:** 311039-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/28/2008 **Date Prepared:** 08/28/2008 **Analyst:** DAT

Reporting Units: mg/L

Mercury by EPA 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
Mercury	0.0002	0.0050	0.0046	88	0.0050	0.0044	84	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

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 9 0 3 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 8/27/08

PAGE: 1 of 2

Consultant: URS Corporation

Address: 7720 N. 16th Street, Suite 100

City: Phoenix, AZ 85020

Telephone: (602) 648-2402 Fax: (602) 371-1615 Email: [illegible]

Site Address (Street, City and State): EQPL Basin Jal Pump Station

Consultant Project Contact: Iain Olness

Consultant Project No.: 49194426

Sampler Name(s): John Savoie

LAB USE ONLY: 311147

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 0.0 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2altp.com

Metals samples were field filtered

☑ SHELL CONTRACT RATE APPLIES

☐ STATE REIMBURSEMENT RATE APPLIES

☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	Sampling Date	Sampling Time	Matrix	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX 8260B	DISSOLVED METALS 6010 (8)	Container PID Readings or Laboratory Notes
01	MW-01	8/25	906	WATER	X	X				4	X	X	
02	MW-05	8/25	1002	WATER	X	X				4	X	X	
03	MW-11	8/25	1151	WATER	X	X				4	X	X	
04	MW-15	8/25	1247	WATER	X	X				4	X	X	
05	MW-13	8/25	1355	WATER	X	X				4	X	X	
06	MW-21	8/26	724	WATER	X	X				4	X	X	
07	MW-17	8/26	825	WATER	X	X				4	X	X	
08	MW-16	8/26	930	WATER	X	X				4	X	X	
09	MW-10	8/26	1142	WATER	X	X				4	X	X	
10	MW-22	8/26	1257	WATER	X	X				4	X	X	

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]		8.27.08	1150
	Andrea Lam	8.27.08	1150

w/ labels & seals

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] XENCO ( )
- [ ] CALSCIENCE ( )
- [ ] TEST AMERICA ( )
- [ ] SPL ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SORBM
- [ ] CONSULTANT
- [ ] LUBES
- [x] 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 8/27/08

PAGE 2 of 2

PO #

SAP # 7 2 0 8 0 3 7

URS Corporation

7720 N. 16th Street, Suite 100

Phoenix, AZ 85020

(602) 648-2402 | (602) 371-1615

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

Iain Olness | 49194426

John Savoie

LAB USE ONLY 31147

TURNAROUND TIME (CALENDAR DAYS)
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES
- [ ] LEVEL 1
- [x] LEVEL 2
- [ ] LEVEL 3
- [ ] LEVEL 4
- [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C: Cooler #1 0.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:

Send edc to jsavoie@h2allc.com

Metals samples were filtered

- [x] 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	DISSOLVED METALS 6010 (8)	Container PID Readings or Laboratory Notes
11	MW-34	8/26	1405	WATER	X	X				4	X	X	
12	MW-23	8/26	1503	WATER	X	X				4	X	X	
13	TRIP BLANK	8/21	1700	WATER	X					3	X		

Relinquished by: (Signature)		Date 8-27-08	Time 1150
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature) Andrea Lam	Date 8.27.08	Time 11.50

w/ labels & Seals

05/06 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: VRS

Date/ Time: ~~8.7.08~~ 8.7.08 11:50

Lab ID #: 311147

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	0.0 °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: _____

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 319929

for

URS Corporation

Project Manager: Iain Olness

EQPL Basin Jal Pump Station

49194426

30-DEC-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

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

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

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

Houston - Dallas - San Antonio - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

30-DEC-08

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

Reference: XENCO Report No: **319929**
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 319929. 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. 319929 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

Sample Cross Reference 319929

URS Corporation, Phoenix, AZ

EQPL Basin Jal Pump Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-01	W	Dec-06-08 09:21		319929-001
MW-05	W	Dec-06-08 10:39		319929-002
MW-11	W	Dec-06-08 11:45		319929-003
MW-15	W	Dec-06-08 14:10		319929-004
MW-13	W	Dec-06-08 15:13		319929-005
MW-21	W	Dec-07-08 13:53		319929-006
MW-17	W	Dec-07-08 14:57		319929-007
MW-16	W	Dec-08-08 09:11		319929-008
MW-24	W	Dec-08-08 11:00		319929-009
MW-10	W	Dec-08-08 12:08		319929-010
MW-23	W	Dec-08-08 13:15		319929-011
Trip Blank	W	Dec-08-08 00:00		319929-012

Certificate of Analysis Summary 319929
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Dec-09-08 10:05 am
Report Date: 30-DEC-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	319929-001		319929-002		319929-003		319929-004	
	Field Id:	MW-01		MW-05		MW-11		MW-15	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Dec-06-08 09:21		Dec-06-08 10:39		Dec-06-08 11:45		Dec-06-08 14:10	
BTEX and Oxygenates by SW 8260B	*Extracted:*	Dec-12-08 13:05		Dec-12-08 13:10		Dec-12-08 13:15		Dec-12-08 13:20	
	Analyzed:	Dec-12-08 20:06		Dec-12-08 20:25		Dec-12-08 20:43		Dec-12-08 21:01	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Methyl tert butyl Ether		BRL	0.0050	BRL	0.0050	BRL	0.0050	BRL	0.0050
Benzene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
Toluene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
Ethylbenzene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
m,p-Xylene		BRL	0.0020	BRL	0.0020	BRL	0.0020	BRL	0.0020
o-Xylene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
tert-Amyl methyl Ether		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
tert-butyl alcohol		BRL	0.010	BRL	0.010	BRL	0.010	BRL	0.010
Ethyl tert butyl Ether		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Di Isopropyl Ether		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dissolved Mercury by EPA 7470A	*Extracted:*								
	Analyzed:	Dec-11-08 13:46		Dec-11-08 13:46		Dec-11-08 13:46		Dec-11-08 13:46	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Mercury		BRL	0.0001	BRL	0.0001	BRL	0.0001	BRL	0.0001
Dissolved Metals by EPA 6020	*Extracted:*	Dec-18-08 10:10		Dec-18-08 10:10		Dec-18-08 10:10		Dec-18-08 10:10	
	Analyzed:	Dec-19-08 16:55		Dec-19-08 17:00		Dec-19-08 17:04		Dec-19-08 17:09	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.003	0.002	0.008	0.002	0.009	0.002	0.010	0.002
Barium		0.017	0.005	0.086	0.005	0.018	0.005	0.027	0.005
Cadmium		BRL	0.001	BRL	0.001	BRL	0.001	BRL	0.001
Chromium		BRL	0.003	BRL	0.003	BRL	0.003	BRL	0.003
Lead		BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002
Selenium		0.013	0.003	BRL	0.003	0.006	0.003	0.020	0.003
Silver		BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 319929
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Dec-09-08 10:05 am
Report Date: 30-DEC-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	319929-001		319929-002		319929-003		319929-004	
	Field Id:	MW-01		MW-05		MW-11		MW-15	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Dec-06-08 09:21		Dec-06-08 10:39		Dec-06-08 11:45		Dec-06-08 14:10	
SVOA PAHs List by EPA 8270C	***Extracted:***	Dec-11-08 09:39		Dec-11-08 09:42		Dec-11-08 09:45		Dec-11-08 09:48	
	Analyzed:	Dec-21-08 15:05		Dec-12-08 17:03		Dec-12-08 17:47		Dec-12-08 18:32	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Acenaphthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Acenaphthylene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Anthracene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(a)anthracene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(a)pyrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(b)fluoranthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(g,h,i)perylene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(k)fluoranthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Chrysene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dibenz(a,h)Anthracene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Fluoranthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Fluorene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Indeno(1,2,3-c,d)Pyrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Naphthalene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Phenanthrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Pyrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 319929
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Dec-09-08 10:05 am
Report Date: 30-DEC-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	319929-005		319929-006		319929-007		319929-008	
	Field Id:	MW-13		MW-21		MW-17		MW-16	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Dec-06-08 15:13		Dec-07-08 13:53		Dec-07-08 14:57		Dec-08-08 09:11	
BTEX and Oxygenates by SW 8260B	*Extracted:*	Dec-12-08 13:25		Dec-12-08 13:30		Dec-12-08 13:35		Dec-12-08 13:40	
	Analyzed:	Dec-12-08 21:19		Dec-12-08 21:37		Dec-12-08 21:56		Dec-12-08 22:14	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Methyl tert butyl Ether		BRL	0.0050	BRL	0.0050	BRL	0.0050	BRL	0.0050
Benzene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
Toluene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
Ethylbenzene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
m,p-Xylene		BRL	0.0020	BRL	0.0020	BRL	0.0020	BRL	0.0020
o-Xylene		BRL	0.0010	BRL	0.0010	BRL	0.0010	BRL	0.0010
tert-Amyl methyl Ether		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
tert-butyl alcohol		BRL	0.010	BRL	0.010	BRL	0.010	BRL	0.010
Ethyl tert butyl Ether		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Di Isopropyl Ether		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dissolved Mercury by EPA 7470A	*Extracted:*								
	Analyzed:	Dec-11-08 13:46		Dec-11-08 13:46		Dec-11-08 13:46		Dec-11-08 13:46	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Mercury		BRL	0.0001	BRL	0.0001	BRL	0.0001	BRL	0.0001
Dissolved Metals by EPA 6020	*Extracted:*	Dec-18-08 10:10		Dec-18-08 10:10		Dec-18-08 10:10		Dec-18-08 10:10	
	Analyzed:	Dec-19-08 17:14		Dec-19-08 17:33		Dec-19-08 17:38		Dec-19-08 17:42	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Arsenic		0.010	0.002	0.003	0.002	0.004	0.002	0.008	0.002
Barium		0.120	0.005	0.034	0.005	0.032	0.005	0.025	0.005
Cadmium		BRL	0.001	BRL	0.001	BRL	0.001	BRL	0.001
Chromium		BRL	0.003	BRL	0.003	BRL	0.003	BRL	0.003
Lead		BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002
Selenium		0.006	0.003	0.007	0.003	0.010	0.003	0.052	0.003
Silver		BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 319929
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Dec-09-08 10:05 am
Report Date: 30-DEC-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	319929-005		319929-006		319929-007		319929-008	
	Field Id:	MW-13		MW-21		MW-17		MW-16	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Dec-06-08 15:13		Dec-07-08 13:53		Dec-07-08 14:57		Dec-08-08 09:11	
SVOA PAHs List by EPA 8270C	***Extracted:***	Dec-11-08 09:51		Dec-11-08 09:54		Dec-11-08 09:57		Dec-11-08 10:00	
	Analyzed:	Dec-12-08 19:16		Dec-12-08 20:01		Dec-12-08 20:45		Dec-12-08 21:30	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Acenaphthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Acenaphthylene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Anthracene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(a)anthracene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(a)pyrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(b)fluoranthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(g,h,i)perylene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Benzo(k)fluoranthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Chrysene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dibenz(a,h)Anthracene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Fluoranthene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Fluorene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Indeno(1,2,3-c,d)Pyrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Naphthalene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Phenanthrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Pyrene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 319929
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Dec-09-08 10:05 am
Report Date: 30-DEC-08
Project Manager: Brent Barron, II

Analysis Requested		*Lab Id:*	319929-009		319929-010		319929-011		319929-012
		Field Id:	MW-24		MW-10		MW-23		Trip Blank
		Depth:							
		Matrix:	WATER		WATER		WATER		WATER
		Sampled:	Dec-08-08 11:00		Dec-08-08 12:08		Dec-08-08 13:15		Dec-08-08 00:00
BTEX and Oxygenates by SW 8260B		*Extracted:*	Dec-12-08 13:45		Dec-12-08 13:50		Dec-12-08 13:55		
		Analyzed:	Dec-12-08 22:32		Dec-12-08 22:50		Dec-12-08 23:09		
		Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	
Methyl tert butyl Ether			BRL	0.1000	BRL	0.0050	BRL	0.0050	
Benzene			0.0570	0.0200	BRL	0.0010	BRL	0.0010	
Toluene			BRL	0.0200	BRL	0.0010	BRL	0.0010	
Ethylbenzene			0.0668	0.0200	BRL	0.0010	BRL	0.0010	
m,p-Xylene			BRL	0.0400	BRL	0.0020	BRL	0.0020	
o-Xylene			BRL	0.0200	BRL	0.0010	BRL	0.0010	
tert-Amyl methyl Ether			BRL	0.100	BRL	0.005	BRL	0.005	
tert-butyl alcohol			BRL	0.200	BRL	0.010	BRL	0.010	
Ethyl tert butyl Ether			BRL	0.100	BRL	0.005	BRL	0.005	
Di Isopropyl Ether			BRL	0.100	BRL	0.005	BRL	0.005	
BTEX by SW 8260B		*Extracted:*							Dec-17-08 15:46
		Analyzed:							Dec-17-08 17:06
		Units/RL:							mg/L RL
Benzene									BRL 0.0010
Toluene									BRL 0.0010
Ethylbenzene									BRL 0.0010
m,p-Xylene									BRL 0.0020
o-Xylene									BRL 0.0010
Total Xylenes									BRL
Total BTEX									BRL
Dissolved Mercury by EPA 7470A		*Extracted:*							
		Analyzed:	Dec-11-08 13:46		Dec-11-08 13:46		Dec-11-08 13:46		
		Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	
Mercury			BRL	0.0001	BRL	0.0001	BRL	0.0001	
Dissolved Metals by EPA 6020		*Extracted:*	Dec-18-08 10:10		Dec-18-08 10:10		Dec-18-08 10:10		
		Analyzed:	Dec-19-08 17:47		Dec-19-08 17:52		Dec-19-08 17:57		
		Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	
Arsenic			0.006	0.002	0.008	0.002	0.007	0.002	
Barium			0.036	0.005	0.145	0.005	0.039	0.005	
Cadmium			BRL	0.001	BRL	0.001	BRL	0.001	
Chromium			BRL	0.003	BRL	0.003	BRL	0.003	
Lead			BRL	0.002	BRL	0.002	BRL	0.002	
Selenium			BRL	0.003	BRL	0.003	0.009	0.003	
Silver			BRL	0.002	BRL	0.002	BRL	0.002	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 319929
URS Corporation, Phoenix, AZ

Project Name: EQPL Basin Jal Pump Station

Project Id: 49194426
Contact: Iain Olness
Project Location:

Date Received in Lab: Dec-09-08 10:05 am
Report Date: 30-DEC-08
Project Manager: Brent Barron, II

Analysis Requested								
	Lab Id:	319929-009		319929-010		319929-011		319929-012
	Field Id:	MW-24		MW-10		MW-23		Trip Blank
	Depth:							
	Matrix:	WATER		WATER		WATER		WATER
	Sampled:	Dec-08-08 11:00		Dec-08-08 12:08		Dec-08-08 13:15		Dec-08-08 00:00
SVOA PAHs List by EPA 8270C	***Extracted:***	Dec-11-08 10:03		Dec-11-08 10:06		Dec-11-08 10:09		
	Analyzed:	Dec-21-08 15:50		Dec-21-08 16:33		Dec-21-08 17:17		
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	
Acenaphthene		BRL	0.011	BRL	0.010	BRL	0.005	
Acenaphthylene		BRL	0.011	BRL	0.010	BRL	0.005	
Anthracene		BRL	0.011	BRL	0.010	BRL	0.005	
Benzo(a)anthracene		BRL	0.011	BRL	0.010	BRL	0.005	
Benzo(a)pyrene		BRL	0.011	BRL	0.010	BRL	0.005	
Benzo(b)fluoranthene		BRL	0.011	BRL	0.010	BRL	0.005	
Benzo(g,h,i)perylene		BRL	0.011	BRL	0.010	BRL	0.005	
Benzo(k)fluoranthene		BRL	0.011	BRL	0.010	BRL	0.005	
Chrysene		BRL	0.011	BRL	0.010	BRL	0.005	
Dibenz(a,h)Anthracene		BRL	0.011	BRL	0.010	BRL	0.005	
Fluoranthene		BRL	0.011	BRL	0.010	BRL	0.005	
Fluorene		BRL	0.011	BRL	0.010	BRL	0.005	
Indeno(1,2,3-c,d)Pyrene		BRL	0.011	BRL	0.010	BRL	0.005	
Naphthalene		0.011	0.011	BRL	0.010	BRL	0.005	
Phenanthrene		BRL	0.011	BRL	0.010	BRL	0.005	
Pyrene		BRL	0.011	BRL	0.010	BRL	0.005	

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

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.

* Outside XENCO's scope of NELAC Accreditation.

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Certified and approved by numerous States and Agencies.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 743519 **Sample:** 319671-010 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

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	70-130	
Dibromofluoromethane	0.0466	0.0500	93	70-130	
1,2-Dichloroethane-D4	0.0430	0.0500	86	70-130	
Toluene-D8	0.0515	0.0500	103	70-130	

Lab Batch #: 743519 **Sample:** 319671-010 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0503	0.0500	101	70-130	
Dibromofluoromethane	0.0495	0.0500	99	70-130	
1,2-Dichloroethane-D4	0.0505	0.0500	101	70-130	
Toluene-D8	0.0506	0.0500	101	70-130	

Lab Batch #: 743519 **Sample:** 319929-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	70-130	
Dibromofluoromethane	0.0502	0.0500	100	70-130	
1,2-Dichloroethane-D4	0.0504	0.0500	101	70-130	
Toluene-D8	0.0534	0.0500	107	70-130	

Lab Batch #: 743519 **Sample:** 319929-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0514	0.0500	103	70-130	
Dibromofluoromethane	0.0507	0.0500	101	70-130	
1,2-Dichloroethane-D4	0.0497	0.0500	99	70-130	
Toluene-D8	0.0530	0.0500	106	70-130	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 743519 **Sample:** 319929-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0528	0.0500	106	70-130	
Dibromofluoromethane	0.0511	0.0500	102	70-130	
1,2-Dichloroethane-D4	0.0513	0.0500	103	70-130	
Toluene-D8	0.0524	0.0500	105	70-130	

Lab Batch #: 743519 **Sample:** 319929-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0513	0.0500	103	70-130	
Dibromofluoromethane	0.0507	0.0500	101	70-130	
1,2-Dichloroethane-D4	0.0507	0.0500	101	70-130	
Toluene-D8	0.0524	0.0500	105	70-130	

Lab Batch #: 743519 **Sample:** 319929-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	70-130	
Dibromofluoromethane	0.0505	0.0500	101	70-130	
1,2-Dichloroethane-D4	0.0504	0.0500	101	70-130	
Toluene-D8	0.0527	0.0500	105	70-130	

Lab Batch #: 743519 **Sample:** 319929-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0507	0.0500	101	70-130	
Dibromofluoromethane	0.0509	0.0500	102	70-130	
1,2-Dichloroethane-D4	0.0505	0.0500	101	70-130	
Toluene-D8	0.0529	0.0500	106	70-130	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 743519 **Sample:** 319929-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0526	0.0500	105	70-130	
Dibromofluoromethane	0.0518	0.0500	104	70-130	
1,2-Dichloroethane-D4	0.0512	0.0500	102	70-130	
Toluene-D8	0.0525	0.0500	105	70-130	

Lab Batch #: 743519 **Sample:** 319929-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0523	0.0500	105	70-130	
Dibromofluoromethane	0.0510	0.0500	102	70-130	
1,2-Dichloroethane-D4	0.0499	0.0500	100	70-130	
Toluene-D8	0.0548	0.0500	110	70-130	

Lab Batch #: 743519 **Sample:** 319929-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0506	0.0500	101	70-130	
Dibromofluoromethane	0.0520	0.0500	104	70-130	
1,2-Dichloroethane-D4	0.0511	0.0500	102	70-130	
Toluene-D8	0.0531	0.0500	106	70-130	

Lab Batch #: 743519 **Sample:** 319929-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0502	0.0500	100	70-130	
Dibromofluoromethane	0.0509	0.0500	102	70-130	
1,2-Dichloroethane-D4	0.0502	0.0500	100	70-130	
Toluene-D8	0.0524	0.0500	105	70-130	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 743519 **Sample:** 319929-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0524	0.0500	105	70-130	
Dibromofluoromethane	0.0509	0.0500	102	70-130	
1,2-Dichloroethane-D4	0.0508	0.0500	102	70-130	
Toluene-D8	0.0526	0.0500	105	70-130	

Lab Batch #: 743519 **Sample:** 521125-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0481	0.0500	96	70-130	
Dibromofluoromethane	0.0480	0.0500	96	70-130	
1,2-Dichloroethane-D4	0.0498	0.0500	100	70-130	
Toluene-D8	0.0495	0.0500	99	70-130	

Lab Batch #: 743519 **Sample:** 521125-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.0498	0.0500	100	70-130	
Dibromofluoromethane	0.0507	0.0500	101	70-130	
1,2-Dichloroethane-D4	0.0486	0.0500	97	70-130	
Toluene-D8	0.0500	0.0500	100	70-130	

Lab Batch #: 743854 **Sample:** 319929-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0538	0.0500	108	70-130	
Dibromofluoromethane	0.0404	0.0500	81	70-130	
1,2-Dichloroethane-D4	0.0407	0.0500	81	70-130	
Toluene-D8	0.0538	0.0500	108	70-130	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 743854 **Sample:** 320570-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0478	0.0500	96	70-130	
Dibromofluoromethane	0.0426	0.0500	85	70-130	
1,2-Dichloroethane-D4	0.0443	0.0500	89	70-130	
Toluene-D8	0.0566	0.0500	113	70-130	

Lab Batch #: 743854 **Sample:** 320570-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by SW 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0486	0.0500	97	70-130	
Dibromofluoromethane	0.0453	0.0500	91	70-130	
1,2-Dichloroethane-D4	0.0465	0.0500	93	70-130	
Toluene-D8	0.0574	0.0500	115	70-130	

Lab Batch #: 743854 **Sample:** 521359-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX 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	70-130	
Dibromofluoromethane	0.0470	0.0500	94	70-130	
1,2-Dichloroethane-D4	0.0479	0.0500	96	70-130	
Toluene-D8	0.0587	0.0500	117	70-130	

Lab Batch #: 743854 **Sample:** 521359-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

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	70-130	
Dibromofluoromethane	0.0456	0.0500	91	70-130	
1,2-Dichloroethane-D4	0.0483	0.0500	97	70-130	
Toluene-D8	0.0539	0.0500	108	70-130	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 744038 **Sample:** 319929-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.037	0.050	74	43-116	
2-Fluorophenol	0.018	0.050	36	21-100	
Nitrobenzene-d5	0.038	0.050	76	35-114	
Phenol-d6	0.010	0.050	20	10-94	
Terphenyl-D14	0.041	0.050	82	33-141	
2,4,6-Tribromophenol	0.043	0.050	86	10-123	

Lab Batch #: 744038 **Sample:** 319929-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.032	0.051	63	43-116	
2-Fluorophenol	0.016	0.051	31	21-100	
Nitrobenzene-d5	0.032	0.051	63	35-114	
Phenol-d6	0.008	0.051	16	10-94	
Terphenyl-D14	0.033	0.051	65	33-141	
2,4,6-Tribromophenol	0.038	0.051	75	10-123	

Lab Batch #: 744038 **Sample:** 319929-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.031	0.050	62	43-116	
2-Fluorophenol	0.015	0.050	30	21-100	
Nitrobenzene-d5	0.032	0.050	64	35-114	
Phenol-d6	0.009	0.050	18	10-94	
Terphenyl-D14	0.032	0.050	64	33-141	
2,4,6-Tribromophenol	0.036	0.050	72	10-123	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 744038 **Sample:** 319929-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.033	0.051	65	43-116	
2-Fluorophenol	0.016	0.051	31	21-100	
Nitrobenzene-d5	0.034	0.051	67	35-114	
Phenol-d6	0.009	0.051	18	10-94	
Terphenyl-D14	0.030	0.051	59	33-141	
2,4,6-Tribromophenol	0.040	0.051	78	10-123	

Lab Batch #: 744038 **Sample:** 319929-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.033	0.052	63	43-116	
2-Fluorophenol	0.015	0.052	29	21-100	
Nitrobenzene-d5	0.033	0.052	63	35-114	
Phenol-d6	0.009	0.052	17	10-94	
Terphenyl-D14	0.035	0.052	67	33-141	
2,4,6-Tribromophenol	0.040	0.052	77	10-123	

Lab Batch #: 744038 **Sample:** 319929-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.032	0.050	64	43-116	
2-Fluorophenol	0.014	0.050	28	21-100	
Nitrobenzene-d5	0.032	0.050	64	35-114	
Phenol-d6	0.008	0.050	16	10-94	
Terphenyl-D14	0.034	0.050	68	33-141	
2,4,6-Tribromophenol	0.038	0.050	76	10-123	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 744038 **Sample:** 319929-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.053	60	43-116	
2-Fluorophenol	0.016	0.053	30	21-100	
Nitrobenzene-d5	0.033	0.053	62	35-114	
Phenol-d6	0.009	0.053	17	10-94	
Terphenyl-D14	0.035	0.053	66	33-141	
2,4,6-Tribromophenol	0.039	0.053	74	10-123	

Lab Batch #: 744038 **Sample:** 319929-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.014	0.051	27	21-100	
Nitrobenzene-d5	0.029	0.051	57	35-114	
Phenol-d6	0.008	0.051	16	10-94	
Terphenyl-D14	0.032	0.051	63	33-141	
2,4,6-Tribromophenol	0.035	0.051	69	10-123	

Lab Batch #: 744038 **Sample:** 319929-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.053	70	43-116	
2-Fluorophenol	0.021	0.053	40	21-100	
Nitrobenzene-d5	0.045	0.053	85	35-114	
Phenol-d6	0.012	0.053	23	10-94	
Terphenyl-D14	0.046	0.053	87	33-141	
2,4,6-Tribromophenol	0.047	0.053	89	10-123	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 744038 **Sample:** 319929-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.051	82	43-116	
2-Fluorophenol	0.018	0.051	35	21-100	
Nitrobenzene-d5	0.042	0.051	82	35-114	
Phenol-d6	0.010	0.051	20	10-94	
Terphenyl-D14	0.045	0.051	88	33-141	
2,4,6-Tribromophenol	0.048	0.051	94	10-123	

Lab Batch #: 744038 **Sample:** 319929-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.036	0.051	71	43-116	
2-Fluorophenol	0.018	0.051	35	21-100	
Nitrobenzene-d5	0.037	0.051	73	35-114	
Phenol-d6	0.010	0.051	20	10-94	
Terphenyl-D14	0.042	0.051	82	33-141	
2,4,6-Tribromophenol	0.043	0.051	84	10-123	

Lab Batch #: 744038 **Sample:** 521469-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.050	64	43-116	
2-Fluorophenol	0.021	0.050	42	21-100	
Nitrobenzene-d5	0.032	0.050	64	35-114	
Phenol-d6	0.014	0.050	28	10-94	
Terphenyl-D14	0.032	0.050	64	33-141	
2,4,6-Tribromophenol	0.035	0.050	70	10-123	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Orders : 319929,

Project ID: 49194426

Lab Batch #: 744038 **Sample:** 521469-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.050	58	43-116	
2-Fluorophenol	0.018	0.050	36	21-100	
Nitrobenzene-d5	0.029	0.050	58	35-114	
Phenol-d6	0.013	0.050	26	10-94	
Terphenyl-D14	0.029	0.050	58	33-141	
2,4,6-Tribromophenol	0.034	0.050	68	10-123	

Lab Batch #: 744038 **Sample:** 521469-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

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	0.033	0.050	66	43-116	
2-Fluorophenol	0.020	0.050	40	21-100	
Nitrobenzene-d5	0.033	0.050	66	35-114	
Phenol-d6	0.014	0.050	28	10-94	
Terphenyl-D14	0.032	0.050	64	33-141	
2,4,6-Tribromophenol	0.036	0.050	72	10-123	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 319929 **Project ID:** 49194426

Lab Batch #: 743519 **Sample:** 521125-1-BKS **Matrix:** Water

Date Analyzed: 12/12/2008 **Date Prepared:** 12/12/2008 **Analyst:** JEA

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

BTEX and Oxygenates 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
Methyl tert butyl Ether	<0.0050	0.5000	0.5579	112	65-135	
Benzene	<0.0010	0.1000	0.1036	104	66-142	
Toluene	<0.0010	0.1000	0.1005	101	59-139	
Ethylbenzene	<0.0010	0.1000	0.1112	111	75-125	
m,p-Xylene	<0.0020	0.2000	0.2289	114	75-125	
o-Xylene	<0.0010	0.1000	0.1176	118	75-125	
tert-Amyl methyl Ether	<0.005	0.500	0.586	117	65-135	
tert-butyl alcohol	<0.010	1.00	1.15	115	65-135	
Ethyl tert butyl Ether	<0.005	0.500	0.538	108	65-135	
Di Isopropyl Ether	<0.005	0.500	0.536	107	65-135	

Lab Batch #: 743854 **Sample:** 521359-1-BKS **Matrix:** Water

Date Analyzed: 12/17/2008 **Date Prepared:** 12/17/2008 **Analyst:** JEA

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	<0.0010	0.1000	0.0966	97	66-142	
Toluene	0.0011	0.1000	0.1077	108	59-139	
Ethylbenzene	<0.0010	0.1000	0.0988	99	75-125	
m,p-Xylene	<0.0020	0.2000	0.1946	97	75-125	
o-Xylene	<0.0010	0.1000	0.0942	94	75-125	

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

Blank Spike Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 319929 **Project ID:** 49194426

Lab Batch #: 744307 **Sample:** 521404-1-BKS **Matrix:** Water

Date Analyzed: 12/19/2008 **Date Prepared:** 12/18/2008 **Analyst:** HAT

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

Dissolved Metals by EPA 6020 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	<0.002	0.050	0.042	84	75-125	
Barium	<0.005	0.050	0.052	104	75-125	
Cadmium	<0.001	0.020	0.020	100	75-125	
Chromium	<0.003	0.050	0.047	94	75-125	
Lead	<0.002	0.050	0.050	100	75-125	
Selenium	<0.003	0.050	0.053	106	75-125	
Silver	<0.002	0.020	0.020	100	75-125	

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

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 319929 **Project ID:** 49194426

Analyst: LATCOR **Date Prepared:** 12/11/2008 **Date Analyzed:** 12/11/2008

Lab Batch ID: 743189 **Sample:** 743189-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by EPA 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
Mercury	<0.0001	0.0010	0.0009	90	0.001	0.0010	100	11	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

BS / BSD Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 319929 **Project ID:** 49194426

Analyst: CLR **Date Prepared:** 12/11/2008 **Date Analyzed:** 12/12/2008

Lab Batch ID: 744038 **Sample:** 521469-1-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	<0.005	0.050	0.039	78	0.05	0.040	80	3	54-114	25	
Acenaphthylene	<0.005	0.050	0.038	76	0.05	0.039	78	3	53-113	25	
Anthracene	<0.005	0.050	0.041	82	0.05	0.043	86	5	56-116	25	
Benzo(a)anthracene	<0.005	0.050	0.042	84	0.05	0.043	86	2	59-116	25	
Benzo(a)pyrene	<0.005	0.050	0.043	86	0.05	0.044	88	2	58-118	25	
Benzo(b)fluoranthene	<0.005	0.050	0.043	86	0.05	0.045	90	5	54-123	25	
Benzo(g,h,i)perylene	<0.005	0.050	0.055	110	0.05	0.053	106	4	47-129	25	
Benzo(k)fluoranthene	<0.005	0.050	0.043	86	0.05	0.042	84	2	52-122	25	
Chrysene	<0.005	0.050	0.042	84	0.05	0.042	84	0	58-116	25	
Dibenz(a,h)Anthracene	<0.005	0.050	0.049	98	0.05	0.049	98	0	46-131	25	
Fluoranthene	<0.005	0.050	0.043	86	0.05	0.044	88	2	55-120	25	
Fluorene	<0.005	0.050	0.040	80	0.05	0.042	84	5	56-114	25	
Indeno(1,2,3-c,d)Pyrene	<0.005	0.050	0.047	94	0.05	0.047	94	0	44-132	25	
Naphthalene	<0.005	0.050	0.034	68	0.05	0.035	70	3	53-110	25	
Phenanthrene	<0.005	0.050	0.042	84	0.05	0.042	84	0	56-116	25	
Pyrene	<0.005	0.050	0.039	78	0.05	0.039	78	0	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

Form 3 - MS Recoveries

Project Name: EQPL Basin Jal Pump Station

Work Order #: 319929
Lab Batch #: 743189
Project ID: 49194426
Date Analyzed: 12/11/2008
Date Prepared: 12/11/2008
Analyst: LATCOR
QC- Sample ID: 319929-001 S
Batch #: 1
Matrix: Water
Reporting Units: mg/L

Dissolved Mercury by EPA 7470A	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Mercury	<0.0001	0.0010	0.0010	100	75-125	

atrix Spike Percent Recovery [D] = 100*(C-A)/B
lative Percent Difference [E] = 200*(C-A)/(C+B)
ll Results are based on MDL and Validated for QC Purposes

Laboratories

Project Name: EQPL Basin Jal Pump Station

Work Order # : 319929 **Project ID:** 49194426

Lab Batch ID: 743519 **QC- Sample ID:** 319671-010 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12/12/2008 **Date Prepared:** 12/12/2008 **Analyst:** JEA

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	<0.0050	0.5000	0.5124	102	0.5000	0.5350	107	5	65-135	20	
Benzene	<0.0010	0.1000	0.1107	111	0.1000	0.0956	96	14	66-142	20	
Toluene	<0.0010	0.1000	0.1121	112	0.1000	0.0941	94	17	59-139	20	
Ethylbenzene	<0.0010	0.1000	0.1209	121	0.1000	0.1005	101	18	75-125	20	
m,p-Xylene	<0.0020	0.2000	0.2369	118	0.2000	0.2019	101	16	75-125	20	
o-Xylene	<0.0010	0.1000	0.1213	121	0.1000	0.1024	102	17	75-125	20	
tert-Amyl methyl Ether	<0.005	0.500	0.540	108	0.500	0.535	107	1	65-135	20	
tert-butyl alcohol	<0.010	1.00	0.838	84	1.00	1.06	106	23	65-135	20	F
Ethyl tert butyl Ether	<0.005	0.500	0.524	105	0.500	0.511	102	3	65-135	20	
Di Isopropyl Ether	<0.005	0.500	0.538	108	0.500	0.501	100	8	65-135	20	

Lab Batch ID: 743854 **QC- Sample ID:** 320570-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12/17/2008 **Date Prepared:** 12/17/2008 **Analyst:** JEA

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	<0.0010	0.1000	0.0825	83	0.1000	0.0886	89	7	66-142	20	
Toluene	<0.0010	0.1000	0.0988	99	0.1000	0.1155	116	16	59-139	20	
Ethylbenzene	<0.0010	0.1000	0.0994	99	0.1000	0.1108	111	11	75-125	20	
m,p-Xylene	<0.0020	0.2000	0.1835	92	0.2000	0.2074	104	12	75-125	20	
o-Xylene	<0.0010	0.1000	0.0913	91	0.1000	0.1049	105	14	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 # : 319929 **Project ID:** 49194426

Lab Batch ID: 744307 **QC- Sample ID:** 320214-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12/19/2008 **Date Prepared:** 12/18/2008 **Analyst:** HAT

Reporting Units: mg/L

Dissolved Metals by EPA 6020 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	<0.002	0.050	0.036	72	0.050	0.036	72	0	85-115	20	X
Barium	0.030	0.050	0.074	88	0.050	0.071	82	7	85-115	20	X
Cadmium	0.023	0.020	0.041	90	0.020	0.040	85	6	85-115	20	
Chromium	<0.003	0.050	0.041	82	0.050	0.039	78	5	85-115	20	X
Lead	<0.002	0.050	0.043	86	0.050	0.042	84	2	85-115	20	X
Selenium	0.003	0.050	0.042	78	0.050	0.043	80	3	85-115	20	X
Silver	<0.002	0.020	0.017	85	0.020	0.016	80	6	85-115	20	X

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

Sample Duplicate Recovery

Project Name: EQPL Basin Jal Pump Station

Work Order #: 319929

Lab Batch #: 744307 **Project ID:** 49194426

Date Analyzed: 12/19/2008 **Date Prepared:** 12/18/2008 **Analyst:** HAT

QC- Sample ID: 320214-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Dissolved Metals by EPA 6020	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	<0.002	<0.002	NC	20	
Barium	0.030	0.031	3	20	
Cadmium	0.023	0.025	8	20	
Chromium	<0.003	<0.003	NC	20	
Lead	<0.002	<0.002	NC	20	
Selenium	0.003	<0.003	NC	20	
Silver	<0.002	<0.002	NC	20	

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] XENCO (_____)
- [ ] CALSCIENCE (_____)
- [ ] TEST AMERICA (_____)
- [ ] SPL (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:

[ ] ENV. SERVICES	[ ] MOTIVA RETAIL	[ ] SHELL RETAIL
[ ] MOTIVA SD&CM	[ ] CONSULTANT	[ ] LUBES
[x] SHELL PIPELINE	[ ] OTHER _____	

Print Bill To Contact Name: Kenneth Spnnger

PO #

INCIDENT # (ENV SERVICES)

3	0	0	1	4	3		

SAP #

7	2	0	8	0	3	7

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 12/9/08

PAGE: 1 of 2

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: 319929

TURNAROUND TIME (CALENDAR DAYS)
[x] STANDARD (14 DAY) [ ] 5 DAYS [ ] 3 DAYS [ ] 2 DAYS [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [ ] LEVEL 4 [ ] OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 0.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2altd.com

Metals samples were field filtered.

[x] 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)	PAH	Container PID Readings or Laboratory Notes
01	MW-01	12/6/08	921	WATER	X	X				5	X	X	X	X	
02	MW-05	12/6/08	1039	WATER	X	X				5	X	X	X	X	
03	MW-11	12/6/08	1145	WATER	X	X				5	X	X	X	X	
04	MW-15	12/6/08	1410	WATER	X	X				5	X	X	X	X	
05	MW-13	12/6/08	1513	WATER	X	X				5	X	X	X	X	
06	MW-21	12/7/08	1353	WATER	X	X				5	X	X	X	X	
07	MW-17	12/7/08	1457	WATER	X	X				5	X	X	X	X	
08	MW-16	12/8/08	911	WATER	X	X				5	X	X	X	X	
09	MW-24	12/8/08	1100	WATER	X	X				5	X	X	X	X	
10	MW-10	12/8/08	1208	WATER	X	X				5	X	X	X	X	

Relinquished by (Signature)		Date: 12-9-08	Time: 1005
Relinquished by (Signature)	Received by (Signature): Andrea Farr	Date: 12.9.08	Time: 10:05
Relinquished by (Signature)	Received by (Signature)	Date	Time

05/2/08 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] XENCO ( )
- [ ] CALSCIENCE ( )
- [ ] TEST AMERICA ( )
- [ ] SPL ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [x] 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: 12/9/08

PAGE: 2 of 2

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: 319929

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

DELIVERABLES:
- [ ] LEVEL 1
- [x] LEVEL 2
- [ ] LEVEL 3
- [ ] LEVEL 4
- [ ] OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 5.0 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Send edd to jsavoie@h2altd.com

Metals samples were field filtered.

- [x] 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)	PAH	Container PID Readings or Laboratory Notes
11	MW-23	12/8/08	1315	WATER	X	X				5	X	X	X	X	
12	TRIP BLANK			WATER	X					2	X				

Relinquished by (Signature)	Received by (Signature)	Date	Time
		12.4.08	1005
	Andrea Fann	12.9.08	10:09

05/2008 Revision

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: VRS

Date/ Time: 12-9-08 10:05

Lab ID # : 319929

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	0.0 °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: _____

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