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GWMR

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TETRA TECH, INC.

6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
(505) 237-8440

January 25, 2010

Mr. Glenn von Gonten
State of New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RE: ConocoPhillips Faye Burdette No. 1 Quarterly Groundwater Monitoring Report
Aztec, New Mexico

Dear Mr. von Gonten:

Enclosed please find a copy of the above-referenced document as compiled by Tetra Tech, Inc., formerly Maxim Technologies, for this Aztec area site.

Please do not hesitate to contact me at (505) 237-8440 if you have any questions or require additional information.

Sincerely,

Kelly E. Blanchard

Kelly E. Blanchard
Project Manager/Geologist

Enclosures (1)

QUARTERLY GROUNDWATER MONITORING REPORT SEPTEMBER 2009 SAMPLING EVENT

CONOCOPHILLIPS COMPANY FAYE BURDETTE NO. 1 API No. 30-045-09725 AZTEC, NEW MEXICO

Prepared for:

ConocoPhillips

420 South Keeler Avenue
Bartlesville, OK 74004

Prepared by:

TETRA TECH, INC.

6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
Tetra Tech Project No. 9690127.100

October 2009

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QUARTERLY GROUNDWATER MONITORING REPORT CONOCOPHILLIPS FAYE BURDETTE NO. 1, AZTEC, NEW MEXICO

1.0 INTRODUCTION

This report presents the results of quarterly groundwater monitoring completed by Tetra Tech, Inc. (Tetra Tech) on September 22, 2009, at the ConocoPhillips Company Faye Burdette No. 1 site in Aztec, New Mexico (Site). This event represents the fifth quarter of groundwater sampling conducted by Tetra Tech at the Site.

The Site is located near the intersection of Highway 550 and Pioneer Avenue in Aztec, NM. The Site consists of a gas production well head and associated equipment and installations. The location and general features of the Site are shown on **Figures 1** and **2**, respectively.

1.1 Site History

The history of the Site is outlined in **Table 1**. The existing monitor well network consists of monitor wells MW-1, MW-2, MW-3, and MW-4. Monitor wells MW-2, MW-3, and MW-4 were installed during January 2009. All four monitor wells have been incorporated into a quarterly monitoring program that began after the groundwater sampling event of January 29, 2009.

2.0 METHODOLOGY AND RESULTS

The following subsections describe the groundwater monitoring methodology and sampling analytical results.

2.1 Monitoring Summary

Groundwater samples were collected from monitor wells MW-1, MW-2, MW-3, and MW-4 on September 22, 2009. Prior to sampling, depth to groundwater was measured in all monitor wells. A groundwater contour map, showing a general flow direction to the northwest, is provided in **Figure 3**. Groundwater elevation data is included in **Table 2**.

2.2 Groundwater Sampling Methodology

Between 3 to 6 gallons of water (approximately three well volumes) were purged from each monitor well before collecting groundwater samples. The purged water was disposed of in the on-site waste water tank. A 1.5-inch dedicated bailer was used to purge each well and collect groundwater samples. The samples were placed in laboratory prepared bottles, packed on ice, and shipped with chain of custody documentation to Southern Petroleum Laboratory (SPL) located in Houston, Texas. The groundwater samples were analyzed for the presence of benzene, toluene, ethyl-benzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260B, and for total metals including iron, manganese, and aluminum by EPA Methods SW-846 and 6010B. Groundwater sampling field forms are provided in **Appendix A.**

2.3 Groundwater Sampling Analytical Results

Groundwater quality samples collected during the September 22, 2009 monitoring event indicate the following results:

- BTEX concentrations were below laboratory detection limits for all monitor wells
- The New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standard for manganese was exceeded in monitor wells MW-1 and MW-4. The NMWQCC standard for manganese is 0.2 milligrams per liter (mg/L).

Table 3 summarizes the laboratory analytical results for the September 2009 groundwater sampling event. The corresponding laboratory analysis report (including quality control summaries) is included in **Appendix B**.

3.0 CONCLUSIONS

Tetra Tech recommends continued quarterly groundwater sampling at the Site in order to provide sufficient data for Site closure. Site closure will be requested when groundwater quality results begin to indicate that all constituents of concern are consistently below NMWQCC groundwater quality standards. Please contact Kelly Blanchard at 505-237-8440 or kelly.blanchard@tetratech.com if you have any questions or require additional information.

FIGURES

FIGURE 1.
Site Location Map
CONOCOPHILLIPS COMPANY
FAYE BURDETTE NO.1
Sec 9, T30N, R11W
Aztec, New Mexico

Approximate ConocoPhillips Faye Burdette No.1 Site location

N

TETRA TECH, INC.

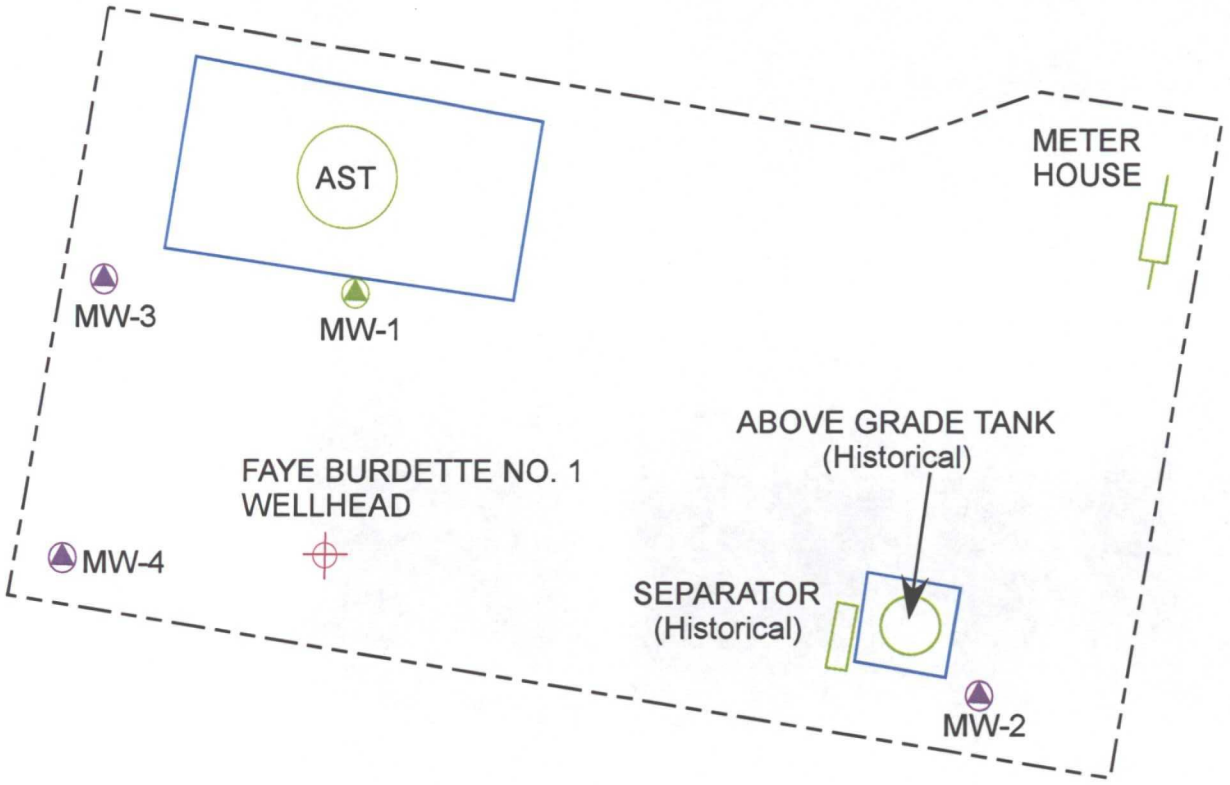


FIGURE 2.
Site Layout Map
CONOCOPHILLIPS COMPANY
FAYE BURDETTE NO.1
Sec 9, T30N, R11W
Aztec, New Mexico

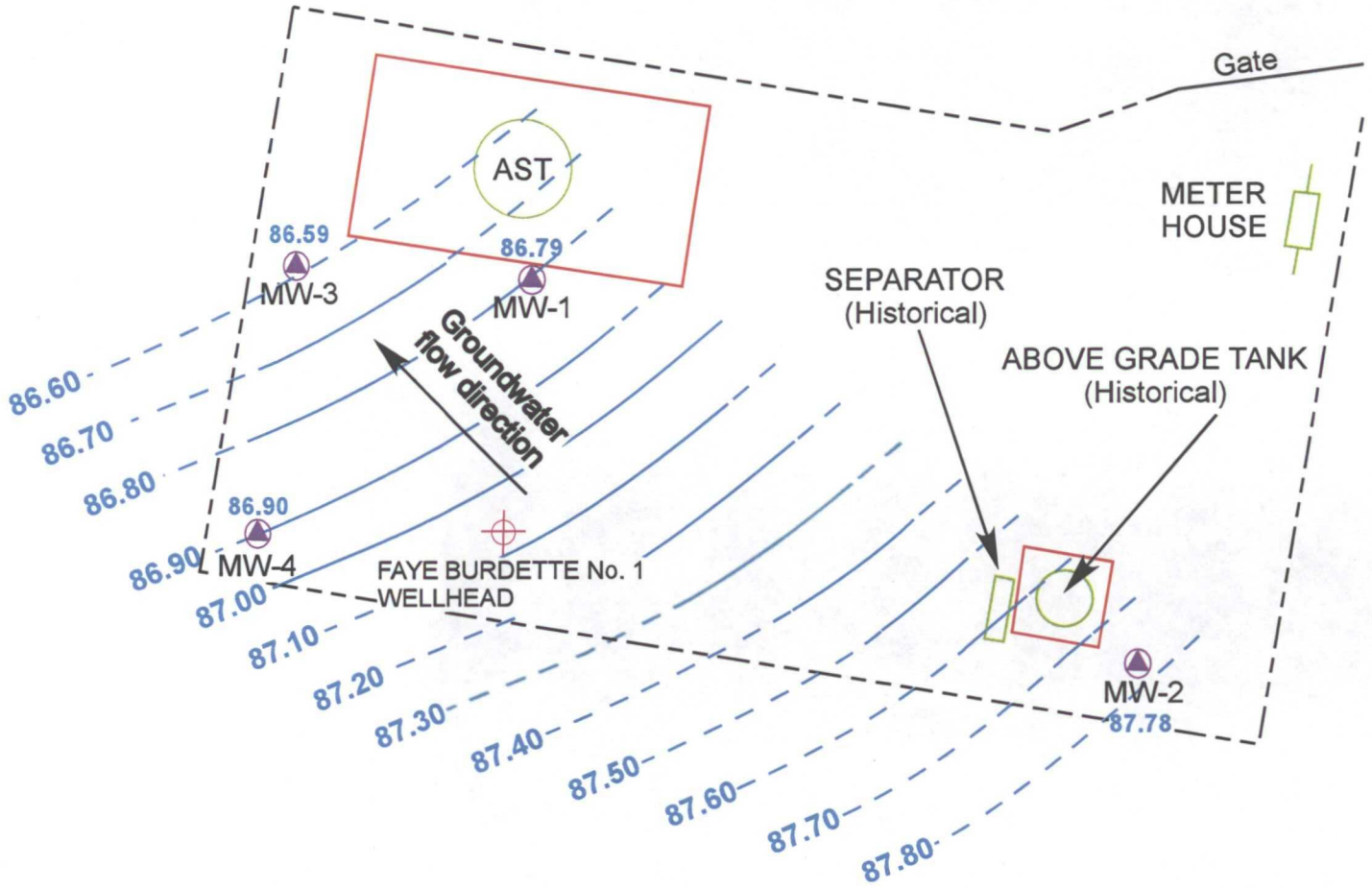
LEGEND

- TEMPORARY MONITORING WELL
- MONITORING WELL LOCATION
- BERM
- FENCE LINE
- EQUIPMENT

0 25 50
FEET

N

TETRA TECH, INC.



Note: All groundwater elevations are relative to the wellhead, set at an arbitrary elevation of 100 feet above mean sea level.

Figure 3.
Groundwater Elevation Contour Map - September 2009
CONOCOPHILLIPS COMPANY
FAYE BURDETTE No. 1
Sec 9, T30N, R11W
Aztec, New Mexico

LEGEND

- MONITORING WELL
- BERM
- FENCE LINE
- EQUIPMENT
- GROUNDWATER ELEVATION CONTOUR (dashed where inferred)

0 25 50
FEET

N

TETRA TECH, INC.

TABLES

Table 1. Site History Timeline - ConocoPhillips Company Faye Burdette No. 1

DATE	ACTIVITY
29-Apr-1962	Well was spudded by Southwest Production Company.
1-Sep-1963	Ownership of well transferred to Beta Development Company.
21-Feb-1983	NMOCD inspection noted a leaky 2-inch valve on a storage tank.
15-Aug-1988	Ownership of well transferred to Mesa Operating Limited Partnership.
1-Jul-1991	Ownership of well transferred to Conoco Inc.
24-May-2007	A small (<25 gallons) release occurred from the produced water tank after a rusty spot was scraped off. Follow-up excavation encountered evidence of pre-existing hydrocarbon-impacted soil, apparently related to a former earthen pit beneath the tank.
Jul-07	Contaminated soil excavated from the Site. Two ground water samples were obtained at the time of this excavation, and one (1) of these samples was found to contain total xylenes above the State of New Mexico drinking water standard.
26-Sep-07	Ground water monitoring well installed to a depth of 15 feet below ground surface (bgs) by Envirotech Inc. of Farmington, NM (Envirotech). A soil sample obtained from the well boring was analyzed for benzene, BTEX and total petroleum hydrocarbons (TPH). Results were below NMOCD regulations of 10 parts per million (ppm), 50 ppm, and 100 ppm, respectively.
	A ground water sample was collected from the temporary monitoring well (MW-1) and analyzed for BTEX; results were below the State of New Mexico drinking water standard for this constituent. Depth to ground water recorded at 9.5 feet bgs.
Nov-07	Envirotech report recommends plugging and abandonment of the temporary ground water monitoring well and a no further action determination for the Site (Envirotech, 2007).
Apr-08	Oil Conservation Division of NM Energy, Minerals, and Resources Dept. indicates additional investigation and sampling is necessary for closure consideration during a meeting with Glenn Von Gonten.
22-Oct-08	1st quarter sampling of MW-1 by Tetra Tech.
Jan-09	Installed additional monitoring wells MW-2, MW-3 and MW-4.
29-Jan-09	2nd quarter sampling of MW-1 by Tetra Tech. Initial sampling of monitoring wells MW-2, MW-3, and MW-4.
31-Mar-09	3rd quarter sampling of MW-1 by Tetra Tech. 2nd quarter sampling of monitoring wells MW-2, MW-3, and MW-4.
17-Jun-09	4th quarter sampling of MW-1 by Tetra Tech. 3rd quarter sampling of monitoring wells MW-2, MW-3, and MW-4.
22-Sep-09	5th quarter sampling of MW-1 by Tetra Tech. 4th quarter sampling of monitoring wells MW-2, MW-3, and MW-4.

Table 2. Groundwater Elevation Data Summary - ConocoPhillips Company Faye Burdette No. 1

Well ID	Total Depth (ft bgs)	Screen Interval (ft)	*Elevation (ft) (TOC)	Date Measured	Depth to Groundwater (ft below TOC)	Relative Groundwater Elevation
MW-1	17.52	4.8 - 14.8	97.66	10/22/2008	10.91	86.75
				1/29/2009	11.72	85.94
				3/31/2009	11.88	85.78
				6/17/2009	11.24	86.42
				9/22/2009	10.87	86.79
MW-2	19.45	5.0 - 20.0	98.54	1/29/2009	10.91	87.63
				3/31/2009	11.12	87.42
				6/17/2009	10.48	88.06
				9/22/2009	10.76	87.78
MW-3	22.96	5.0 - 20.0	97.16	1/29/2009	11.44	85.72
				3/31/2009	11.62	85.54
				6/17/2009	10.97	86.19
				9/22/2009	10.57	86.59
MW-4	22.28	5.0 - 20.0	97.06	1/29/2009	11.02	86.04
				3/31/2009	11.18	85.88
				6/17/2009	10.59	86.47
				9/22/2009	10.16	86.90

ft = Feet

TOC = Top of casing

bgs = below ground surface

* Elevation relative to wellhead, set at an arbitrary elevation of 100 feet above mean sea level.

Table 3. Groundwater Laboratory Analytical Results - ConocoPhillips Company Faye Burdette No. 1

Well ID	Date	Aluminum (mg/L)	Iron (mg/L)	Manganese (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-1	10/22/2008	NA	**3.74**	**2.09**	< 5	< 5	< 5	< 5
	1/29/2009	2.14	**2.77**	**1.41**	< 5	< 5	< 5	< 5
	3/31/2009	3.64	**4.83**	**1.24**	< 5	< 5	< 5	< 5
	6/17/2009	2.5	**5.58**	**2.47**	< 5	< 5	< 5	< 5
	9/22/2009	0.443	0.445	**1.44**	<1	<1	<1	<1
MW-1 Duplicate	1/29/2009	NA	NA	NA	< 5	< 5	< 5	< 5
	3/31/2009	NA	NA	NA	< 5	< 5	< 5	< 5
	6/17/2009	2.83	**6.13**	**2.52**	< 5	< 5	< 5	< 5
	9/22/2009	NA	NA	NA	<1	<1	<1	<1
MW-2	1/29/2009	4.15	**3.15**	**1.79**	< 5	< 5	< 5	< 5
	3/31/2009	1.17	**1.02**	**0.326**	< 5	< 5	< 5	< 5
	6/17/2009	3.4	**2.8**	**1.37**	< 5	< 5	< 5	< 5
	9/22/2009	<0.1	<0.02	0.0264	<1	<1	<1	<1
MW-3	1/29/2009	1.82	**2.24**	**0.374**	< 5	< 5	< 5	< 5
	3/31/2009	1.64	**1.91**	**0.271**	< 5	< 5	< 5	< 5
	6/17/2009	1.68	**2.14**	**0.628**	< 5	< 5	< 5	< 5
	9/22/2009	<0.1	0.0291	0.0201	<1	<1	<1	<1
MW-4	1/29/2009	**6.92**	**3.17**	**4.15**	< 5	< 5	< 5	< 5
	3/31/2009	4.21	**3.22**	**1.45**	< 5	< 5	< 5	< 5
	6/17/2009	2.43	**2.05**	**0.854**	< 5	< 5	< 5	< 5
	9/22/2009	<0.1	0.108	**0.476**	<1	<1	<1	<1
Method		*SW6010B*	*SW6010B*	*SW6010B*	*8260B*	*8260B*	*8260B*	*8260B*
NMWQCC Groundwater Quality Standard		**5.0**	**1.0**	**0.2**	**10**	**750**	**750**	**620**

Notes:
MW = monitoring well
NMWQCC = New Mexico Water Quality Control Commission
Constituents in **BOLD** exceed NMWQCC groundwater quality standards
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = not analyzed
<5 = result below laboratory detection limit

APPENDIX A

TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name Faye Burdette No. 1

Project No.

Site Location Aztec, NM

Site/Well No. MW-1

Coded/ Replicate No.

Date ~~8/135~~ 9/22/09

Weather Sunny, cool

Time Sampling Began 1355

Time Sampling Completed 1415 (DUP) 1425 MW-1

EVACUATION DATA

Description of Measuring Point (MP) Top of Casing

Height of MP Above/Below Land Surface

MP Elevation

Total Sounded Depth of Well Below MP 17.52

Water-Level Elevation

Held

Depth to Water Below MP 10.87

Diameter of Casing 2"

Wet

Water Column in Well 6.65

Gallons Pumped/Bailed Prior to Sampling

Gallons per Foot 0.16

Gallons in Well 1.06 x 3 = 3.18

Sampling Pump Intake Setting (feet below land surface)

Purging Equipment Purge pump / Bailer

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm³)	TDS (g/L)	DO (mg/L)	ORP (mV)	TURB
1400	18.17	6.42	1095	.952	1.81	57.5	166.5
1404	18.55	6.36	1116	.772	1.66	34.7	
1407	18.43	6.33	1124	.731	1.93	22.6	414.3

Sampling Equipment Purge Pump/Bailer

Constituents Sampled	Container Description	Preservative
BTEX	3 40mL VOA's	HCl
Fe, Mn, Al		
+ DUP (BTEX)		

Remarks Lt. brown, no odor or sheen

Sampling Personnel GD

Well Casing Volumes				
Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½ = 0.50	6" = 1.46

TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name: Faye Burdette No. 1 — Page 2 of 4

Project No.:

Site Location: Aztec, NM

Site/Well No.: MW-2 — Coded/ Replicate No.: — Date: 9/22/09

Weather: Cool, breezy — Time Sampling Began: 1322 — Time Sampling Completed: 1340

EVACUATION DATA

Description of Measuring Point (MP): Top of Casing

Height of MP Above/Below Land Surface: — MP Elevation:

Total Sounded Depth of Well Below MP: 19.45 — Water-Level Elevation:

Held: — Depth to Water Below MP: 10.76 — Diameter of Casing: 2"

Wet: — Water Column in Well: 8.69 — Gallons Pumped/Bailed Prior to Sampling:

Gallons per Foot: 0.16

Gallons in Well: 1.39 x 3 = 4.17 — Sampling Pump Intake (feet below land):

Purging Equipment: Purge pump / Bailer

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm³)	TDS (g/L)	DO (mg/L)	ORP (mV)
1330	17.45	6.13	1074	.698	2.01	171.4
1339	16.23	6.32	1091	.709	2.25	184.7
1340	16.06	6.39	1078	.701	2.47	189.5

TURB 1100 - flashing 615.3

Sampling Equipment: Purge Pump/Bailer

Constituents Sampled	Container Description	Preservative
BTEX	3 40mL VOA's	HCl
Alk, Fe, Mn	32 oz	None

Remarks: NO ODOR OR SHEEN. Brown, silty water

Sampling Personnel: GD

Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½ = 0.50	6" = 1.46

TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name: Faye Burdette No. 1 — Page 3 of 4

Project No.:

Site Location: Aztec, NM

Site/Well No.: MW-3 — Coded/ Replicate No.: — Date: 9/22/09

Weather: 70° — Time Sampling Began: 1345 — Time Sampling Completed: 1350

EVACUATION DATA

Description of Measuring Point (MP): Top of Casing

Height of MP Above/Below Land Surface: — MP Elevation:

Total Sounded Depth of Well Below MP: 22.96 — Water-Level Elevation:

Held: — Depth to Water Below MP: 10.57 — Diameter of Casing: 2"

Wet: — Water Column in Well: 12.39 — Gallons Pumped/Bailed Prior to Sampling:

Gallons per Foot: 0.16

Gallons in Well: 1.98 x 3 = 5.94 — Sampling Pump Intake Setting (feet below land surface):

Purging Equipment: Purge pump / Bailer

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm³)	TDS (g/L)	DO (mg/L)	ORP (mV)
1346	15.86	6.62	1051	0.683	2.64	25.8
1348	15.73	6.58	1051	0.683	2.61	26.2

Turb. 233.1 98.46

Sampling Equipment: Purge Pump/Bailer

Constituents Sampled	Container Description	Preservative
BTEX	3 40mL VOA's	HCl
Dissolved Al, Fe, Mn	1-32 oz plastic	none

Remarks:

Sampling Personnel:

Well Casing Volumes

Gal./ft.	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½ = 0.50	6" = 1.46

TETRA TECH, INC.

WATER SAMPLING FIELD FORM

Project Name: Faye Burdette No. 1 — Page 4 of 4

Project No.:

Site Location: Aztec, NM

Site/Well No.: MW-4 — Coded/ Replicate No.: — Date: 9/22/09

Weather: 70° — Time Sampling Began: 1405 — Time Sampling Completed: 1415

EVACUATION DATA

Description of Measuring Point (MP): Top of Casing

Height of MP Above/Below Land Surface: — MP Elevation:

Total Sounded Depth of Well Below MP: 22.28 — Water-Level Elevation:

Held: — Depth to Water Below MP: 10.16 — Diameter of Casing: 2"

Wet: — Water Column in Well: 12.12 — Gallons Pumped/Bailed Prior to Sampling:

Gallons per Foot: 0.16

Gallons in Well: 1.93 x 3 = 5.79 — Sampling Pump Intake Setting (feet below land surface):

Purging Equipment: Purge pump / Bailer

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature (°C)	pH	Conductivity (µS/cm³)	TDS (g/L)	DO (mg/L)	ORP (mV)	Turb
1407	16.02	6.57	1197	0.719	2.25	22.6	262.7
1410	16.97	6.61	1055	0.685	2.09	21.7	435.3
1413	17.30	6.46	1040	0.676	2.18	22.6	499.6

Sampling Equipment: Purge Pump/Bailer

Constituents Sampled	Container Description	Preservative
BTEX	3 40mL VOA's	HCl
Dissolved Al, Fe, Mn	1-32 oz plastic	none

Remarks:

Sampling Personnel:

Well Casing Volumes

Gal./ft.							
	1 ¼" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 ½" = 0.10	2 ½" = 0.24	3" ½ = 0.50	6" = 1.46

APPENDIX B

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

09091080

Report To:		Project Name:	COP Faye-Burdette
Tetra Tech, Inc.		Site:	Aztec, NM
Kelly Blanchard		Site Address:	
6121 Indian School Road, N.E.			
Suite 200		PO Number:	
Albuquerque		State:	New Mexico
NM		State Cert. No.:	
87110-		Date Reported:	10/4/2009
ph: (505) 237-8440	fax:		

This Report Contains A Total Of 15 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

10/5/2009

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:
09091080

Report To:		Project Name:	COP Faye-Burdette
Tetra Tech, Inc.		Site:	Aztec, NM
Kelly Blanchard		Site Address:	
6121 Indian School Road, N.E.			
Suite 200		PO Number:	
Albuquerque		State:	New Mexico
NM		State Cert. No.:	
87110-		Date Reported:	10/4/2009
ph: (505) 237-8440	fax:		

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSES AND EXCEPTIONS:

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

Total Metals (6010):

Sample ID "MW-1" (SPL ID: 09091080-01) was randomly selected for use in SPL's quality control program for Batch ID: 94027. The MS and MSD recoveries were outside of the advisable quality control limits for Aluminum and Iron due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

III. GENERAL REPORTING COMMENTS:

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

10/5/2009

Erica Cardenas — Date

Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

09091080

Report To: Tetra Tech, Inc.
Kelly Blanchard
6121 Indian School Road, N.E.
Suite 200
Albuquerque
NM
87110-
ph: (505) 237-8440 fax: (505) 881-3283

Fax To:

Project Name: COP Faye-Burdette
Site: Aztec, NM
Site Address:
PO Number:
State: New Mexico
State Cert. No.:
Date Reported: 10/4/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	09091080-01	Water	9/22/2009 2:25:00 PM	9/23/2009 10:00:00 AM	331980	☐
MW-2	09091080-02	Water	9/22/2009 1:40:00 PM	9/23/2009 10:00:00 AM	331980	☐
MW-3	09091080-03	Water	9/22/2009 1:50:00 PM	9/23/2009 10:00:00 AM	331980	☐
MW-4	09091080-04	Water	9/22/2009 2:15:00 PM	9/23/2009 10:00:00 AM	331980	☐
Duplicate	09091080-05	Water	9/22/2009 2:15:00 PM	9/23/2009 10:00:00 AM	331980	☐
Trip Blank	09091080-06	Water	9/22/2009 3:00:00 PM	9/23/2009 10:00:00 AM	331980	☐

Erica Cardenas
Project Manager

10/5/2009
Date

Kesavalu M. Bagawandoss Ph.D., J.D.
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: MW-1 **Collected:** 09/22/2009 14:25 **SPL Sample ID:** 09091080-01

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Aluminum	0.443		0.1	1	10/02/09 13:49	EG	5228661
Iron	0.445		0.02	1	10/02/09 13:49	EG	5228661
Manganese	1.44		0.005	1	10/02/09 13:49	EG	5228661

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	09/23/2009 19:00	R_V	1.00

VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	09/24/09 14:21	E_G	5217990
Ethylbenzene	ND		1	1	09/24/09 14:21	E_G	5217990
Toluene	ND		1	1	09/24/09 14:21	E_G	5217990
m,p-Xylene	ND		2	1	09/24/09 14:21	E_G	5217990
o-Xylene	ND		1	1	09/24/09 14:21	E_G	5217990
Xylenes,Total	ND		1	1	09/24/09 14:21	E_G	5217990
Surr: 1,2-Dichloroethane-d4	93.5	%	78-116	1	09/24/09 14:21	E_G	5217990
Surr: 4-Bromofluorobenzene	110	%	74-125	1	09/24/09 14:21	E_G	5217990
Surr: Toluene-d8	98.4	%	82-118	1	09/24/09 14:21	E_G	5217990

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: MW-2 **Collected:** 09/22/2009 13:40 **SPL Sample ID:** 09091080-02

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Aluminum	ND		0.1	1	10/02/09 14:23	EG	5228672
Iron	ND		0.02	1	10/02/09 14:23	EG	5228672
Manganese	0.0264		0.005	1	10/02/09 14:23	EG	5228672

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	09/23/2009 19:00	R_V	1.00

VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	09/24/09 17:16	E_G	5217993
Ethylbenzene	ND		1	1	09/24/09 17:16	E_G	5217993
Toluene	ND		1	1	09/24/09 17:16	E_G	5217993
m,p-Xylene	ND		2	1	09/24/09 17:16	E_G	5217993
o-Xylene	ND		1	1	09/24/09 17:16	E_G	5217993
Xylenes,Total	ND		1	1	09/24/09 17:16	E_G	5217993
Surr: 1,2-Dichloroethane-d4	98.0		% 78-116	1	09/24/09 17:16	E_G	5217993
Surr: 4-Bromofluorobenzene	110		% 74-125	1	09/24/09 17:16	E_G	5217993
Surr: Toluene-d8	101		% 82-118	1	09/24/09 17:16	E_G	5217993

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: MW-3 **Collected:** 09/22/2009 13:50 **SPL Sample ID:** 09091080-03

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Aluminum	ND		0.1	1	10/02/09 14:27	EG	5228673
Iron	0.0291		0.02	1	10/02/09 14:27	EG	5228673
Manganese	0.0201		0.005	1	10/02/09 14:27	EG	5228673

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	09/23/2009 19:00	R_V	1.00

VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	09/24/09 17:39	E_G	5217994
Ethylbenzene	ND		1	1	09/24/09 17:39	E_G	5217994
Toluene	ND		1	1	09/24/09 17:39	E_G	5217994
m,p-Xylene	ND		2	1	09/24/09 17:39	E_G	5217994
o-Xylene	ND		1	1	09/24/09 17:39	E_G	5217994
Xylenes,Total	ND		1	1	09/24/09 17:39	E_G	5217994
Surr: 1,2-Dichloroethane-d4	94.8		% 78-116	1	09/24/09 17:39	E_G	5217994
Surr: 4-Bromofluorobenzene	107		% 74-125	1	09/24/09 17:39	E_G	5217994
Surr: Toluene-d8	104		% 82-118	1	09/24/09 17:39	E_G	5217994

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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(713) 660-0901

Client Sample ID: MW-4 **Collected:** 09/22/2009 14:15 **SPL Sample ID:** 09091080-04

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Aluminum	ND		0.1	1	10/02/09 14:31	EG	5228675
Iron	0.108		0.02	1	10/02/09 14:31	EG	5228675
Manganese	0.476		0.005	1	10/02/09 14:31	EG	5228675

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	09/23/2009 19:00	R_V	1.00

VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	09/24/09 18:03	E_G	5217995
Ethylbenzene	ND		1	1	09/24/09 18:03	E_G	5217995
Toluene	ND		1	1	09/24/09 18:03	E_G	5217995
m,p-Xylene	ND		2	1	09/24/09 18:03	E_G	5217995
o-Xylene	ND		1	1	09/24/09 18:03	E_G	5217995
Xylenes,Total	ND		1	1	09/24/09 18:03	E_G	5217995
Surr: 1,2-Dichloroethane-d4	95.8	%	78-116	1	09/24/09 18:03	E_G	5217995
Surr: 4-Bromofluorobenzene	111	%	74-125	1	09/24/09 18:03	E_G	5217995
Surr: Toluene-d8	102	%	82-118	1	09/24/09 18:03	E_G	5217995

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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Client Sample ID: Duplicate **Collected:** 09/22/2009 14:15 **SPL Sample ID:** 09091080-05

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1		1	09/24/09 18:26	E_G	5217996
Ethylbenzene	ND		1		1	09/24/09 18:26	E_G	5217996
Toluene	ND		1		1	09/24/09 18:26	E_G	5217996
m,p-Xylene	ND		2		1	09/24/09 18:26	E_G	5217996
o-Xylene	ND		1		1	09/24/09 18:26	E_G	5217996
Xylenes,Total	ND		1		1	09/24/09 18:26	E_G	5217996
Surr: 1,2-Dichloroethane-d4	94.7		%	78-116	1	09/24/09 18:26	E_G	5217996
Surr: 4-Bromofluorobenzene	105		%	74-125	1	09/24/09 18:26	E_G	5217996
Surr: Toluene-d8	103		%	82-118	1	09/24/09 18:26	E_G	5217996

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: Trip Blank **Collected:** 09/22/2009 15:00 **SPL Sample ID:** 09091080-06

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1		1	09/24/09 13:10	E_G	5218006
Ethylbenzene	ND		1		1	09/24/09 13:10	E_G	5218006
Toluene	ND		1		1	09/24/09 13:10	E_G	5218006
m,p-Xylene	ND		2		1	09/24/09 13:10	E_G	5218006
o-Xylene	ND		1		1	09/24/09 13:10	E_G	5218006
Xylenes,Total	ND		1		1	09/24/09 13:10	E_G	5218006
Surr: 1,2-Dichloroethane-d4	92.1		% 78-116		1	09/24/09 13:10	E_G	5218006
Surr: 4-Bromofluorobenzene	106		% 74-125		1	09/24/09 13:10	E_G	5218006
Surr: Toluene-d8	102		% 82-118		1	09/24/09 13:10	E_G	5218006

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Metals by Method 6010B, Dissolved
Method: SW6010B
WorkOrder: 09091080
Lab Batch ID: 94027

Method Blank

RunID: ICP2_091002A-5228659 Units: mg/L
Analysis Date: 10/02/2009 13:41 Analyst: EG
Preparation Date: 09/23/2009 19:00 Prep By: R_V Method SW3005A

Analyte	Result	Rep Limit
Aluminum	ND	0.1
Iron	ND	0.02
Manganese	ND	0.005

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09091080-01B	MW-1
09091080-02B	MW-2
09091080-03B	MW-3
09091080-04B	MW-4

Laboratory Control Sample (LCS)

RunID: ICP2_091002A-5228660 Units: mg/L
Analysis Date: 10/02/2009 13:45 Analyst: EG
Preparation Date: 09/23/2009 19:00 Prep By: R_V Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aluminum	1.000	1.068	106.8	80	120
Iron	1.000	1.038	103.8	80	120
Manganese	1.000	1.075	107.5	80	120

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 09091080-01
RunID: ICP2_091002A-5228667 Units: mg/L
Analysis Date: 10/02/2009 14:06 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aluminum	0.443	1	1.458	101.5	1	1.478	103.5	1.362	20	75	125
Iron	0.445	1	1.445	100.0	1	1.442	99.74	0.2078	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09091080-01
RunID: ICP2_091002A-5228662 Units: mg/L
Analysis Date: 10/02/2009 13:53 Analyst: EG
Preparation Date: 09/23/2009 19:00 Prep By: R_V Method SW3005A

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Metals by Method 6010B, Dissolved
Method: SW6010B
WorkOrder: 09091080
Lab Batch ID: 94027

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aluminum	0.4431	1	1.092	64.89 *	1	1.154	71.09 *	5.521	20	75	125
Iron	0.4446	1	1.113	66.84 *	1	1.163	71.84 *	4.394	20	75	125
Manganese	1.444	1	2.460	101.6	1	2.463	101.9	0.1219	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09091080
Lab Batch ID: R284630

Method Blank

RunID: L_090924A-5217989 Units: ug/L
Analysis Date: 09/24/2009 12:46 Analyst: E_G

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	95.2	78-116
Surr: 4-Bromofluorobenzene	106.5	74-125
Surr: Toluene-d8	103.1	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09091080-01A	MW-1
09091080-02A	MW-2
09091080-03A	MW-3
09091080-04A	MW-4
09091080-05A	Duplicate
09091080-06A	Trip Blank

Laboratory Control Sample (LCS)

RunID: L_090924A-5217988 Units: ug/L
Analysis Date: 09/24/2009 11:49 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	17.8	89.1	74	123
Ethylbenzene	20.0	19.4	97.2	72	127
Toluene	20.0	19.2	95.7	74	126
m,p-Xylene	40.0	40.5	101	71	129
o-Xylene	20.0	20.6	103	74	130
Xylenes,Total	60.0	61.1	102	71	130
Surr: 1,2-Dichloroethane-d4	50.0	46.5	93.0	78	116
Surr: 4-Bromofluorobenzene	50.0	52.8	106	74	125
Surr: Toluene-d8	50.0	50.3	101	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09091080-01
RunID: L_090924A-5217991 Units: ug/L
Analysis Date: 09/24/2009 14:44 Analyst: E_G

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09091080
Method: SW8260B **Lab Batch ID:** R284630

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	16.9	84.5	20	17.4	86.8	2.70	22	70	124
Ethylbenzene	ND	20	18.6	93.1	20	18.4	92.0	1.19	20	76	122
Toluene	ND	20	18.4	92.2	20	17.6	88.0	4.72	24	80	117
m,p-Xylene	ND	40	38.7	96.8	40	38.5	96.3	0.570	20	69	127
o-Xylene	ND	20	19.6	97.9	20	19.3	96.5	1.37	20	84	114
Xylenes,Total	ND	60	58.3	97.2	60	57.8	96.4	0.839	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	45.6	91.3	50	45.9	91.8	0.618	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	53.5	107	50	53.2	106	0.422	30	74	125
Surr: Toluene-d8	ND	50	50	100	50	48.7	97.4	2.62	30	82	118

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**09091080**	Received By:	**L_D**
Date and Time Received:	**9/23/2009 10:00:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**1.3°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes	☑	No	☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes	☑	No	☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes	☐	No	☐	Not Present ☑
4.	**Chain of custody present?**	Yes	☑	No	☐	
5.	**Chain of custody signed when relinquished and received?**	Yes	☑	No	☐	
6.	**Chain of custody agrees with sample labels?**	Yes	☑	No	☐	
7.	**Samples in proper container/bottle?**	Yes	☑	No	☐	
8.	**Sample containers intact?**	Yes	☑	No	☐	
9.	**Sufficient sample volume for indicated test?**	Yes	☑	No	☐	
10.	**All samples received within holding time?**	Yes	☑	No	☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes	☑	No	☐	
12.	**Water - VOA vials have zero headspace?**	Yes	☑	No	☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes	☐	No	☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. 331980
92091080 page 1 of 1

Client Name: Tetra Tech / ~~Faye Bu~~ em ConocoPhillips
Address: 6121 Indian School Rd Ste 200
City Albuquerque State NM Zip 87110
Phone/Fax: 505.237.8440 505.237.8656
Client Contact: Kelly Blanchard Email: kelly.blanchard@tetratech.com
Project Name/No.: Faye Burdette Nal
Site Name:
Site Location: Aztec, NM
Invoice To: ConocoPhillips Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil A=air SL=sludge E=encore X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: BTEX ONLY	Requested Analysis: Dissolved Aluminum Manganese
MW-1	9/22/09	1425		X	W	V	40	1	3	X	
MW-1	9/22/09	1425		X	W	P	32	NONE	1		X
MW-2	9/22/09	1340		X	W	V	40	1	3	X	
MW-2	9/22/09	1340		X	W	P	32	NONE	1		X
MW-3	9/22/09	1350		X	W	V	40	1	3	X	
MW-3	9/22/09	1350		X	W	P	32	NONE	1		X
MW-4	9/22/09	1415		X	W	V	40	1	3	X	
MW-4	9/22/09	1415		X	W	P	32	NONE	1		X
Duplicate	9/22/09	1415		X	W	V	40	1	3	X	
Trip Blank	9/22/09	1500			W	V	40	1	2	X	

Client/Consultant Remarks: Metals=Iron, Manganese & Aluminum
Please filter and preserve metals container prior to analyzing
Laboratory remarks:
Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other
Rush TAT requires prior notice

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☒
Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐
Special Detection Limits (specify):
PM review (initial):

	date	time		
1. Relinquished by Sampler:	9/22/09	1500	2. Received by:	
3. Relinquished by:	date	time	4. Received by:	
5. Relinquished by:	9/23/09	0900	6. Received by Laboratory:	

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777