3R - 434

JUNE 2009 GWMR

07/30/2009

3R434

TETRA TECH, INC.

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

July 30, 2009

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

RE: ConocoPhillips Company Faye Burdette No. 1 - June 2009 Groundwater Monitoring Report
Aztec, New Mexico

Dear Mr. von Gonten:

Enclosed please find one copy of the above-referenced document as compiled by Tetra Tech, Inc. 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 JUNE 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

July 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 June 17, 2009, at the ConocoPhillips Company Faye Burdette No. 1 site in Aztec, New Mexico (Site). This event represents the fourth 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 June 17, 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 June 17, 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 standards for iron and manganese were exceeded in all monitor wells (including background well MW-2). The NMWQCC standards for iron and manganese are 1 milligram per liter (mg/L) and 0.2 mg/L, respectively

Table 3 summarizes the laboratory analytical results for the June 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
FAYE BURDETTE NO.1
Sec 9, T30N, R11W
Aztec, New Mexico

Directions from HW 550 to ConocoPhillips Faye Burdette No.1 site location

Approximate ConocoPhillips Faye Burdette No.1 Site location

N

TETRA TECH, INC.

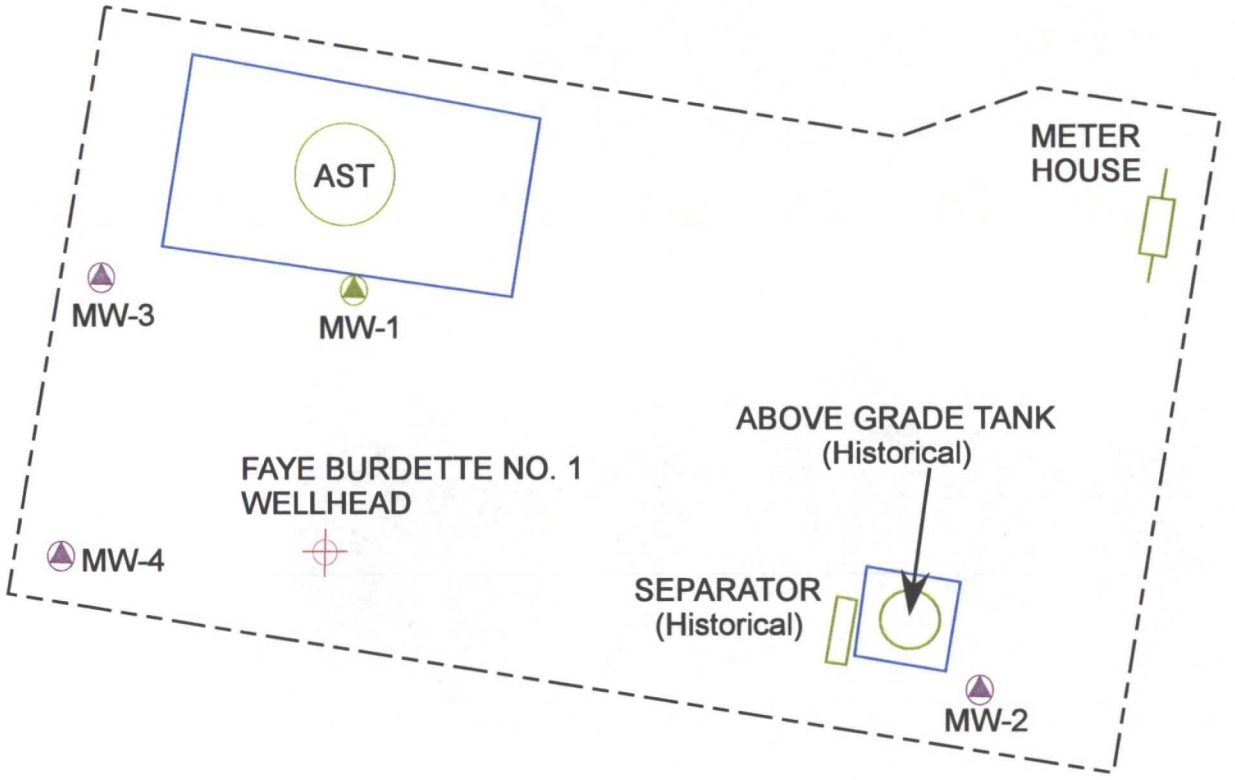

FIGURE 2.
Site Layout Map
CONOCOPHILLIPS
FAYE BURDETTE NO.1
Sec 9, T30N, R11W
Aztec, New Mexico

LEGEND

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

0 25 50
FEET

N

TETRA TECH, INC.

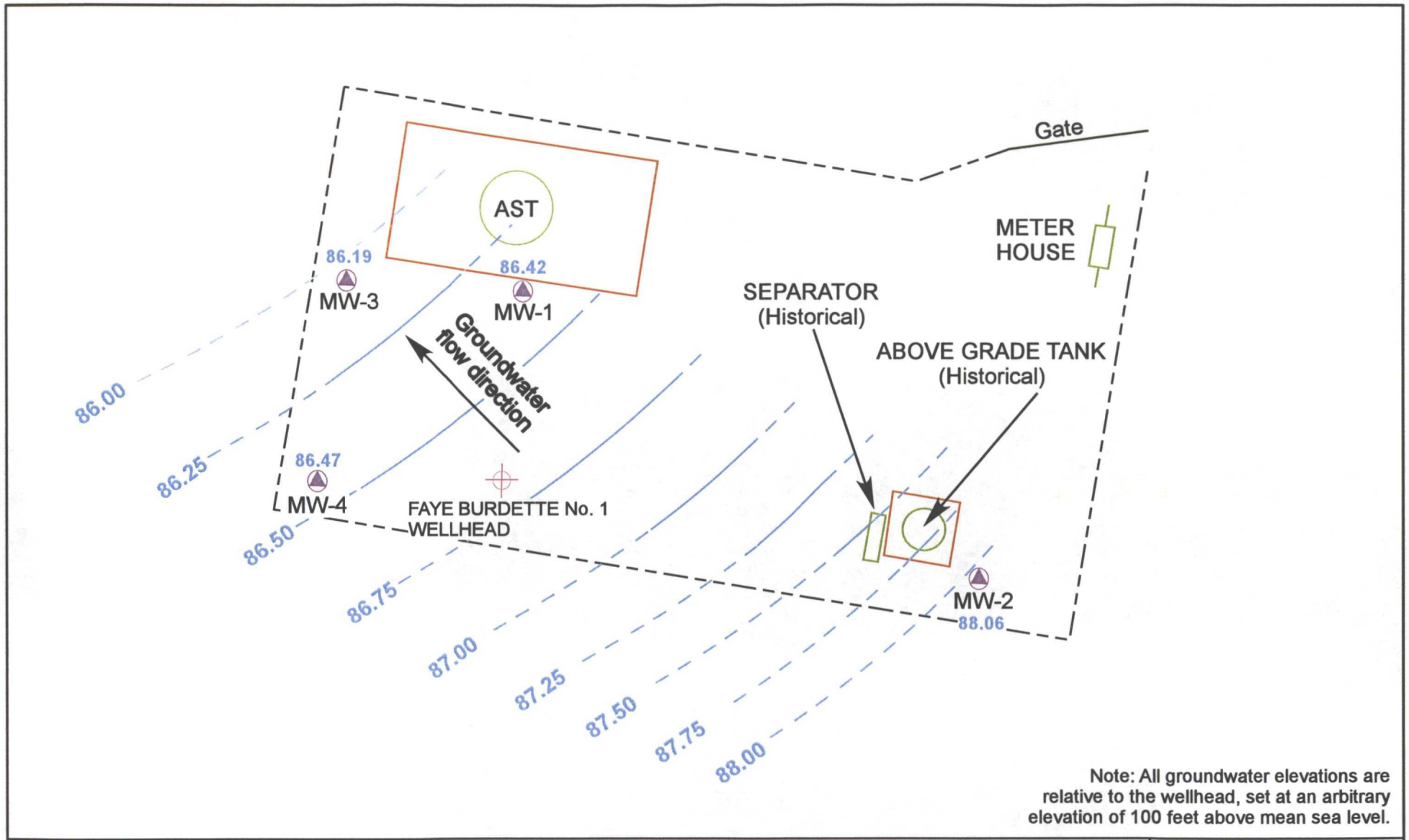

Figure 3.
Groundwater Elevation Contour Map - June 2009
CONOCOPHILLIPS
FAYE BURDETTE No. 1
Sec 9, T30N, R11W
Aztec, New Mexico

TABLES

Table 1. Site History Timeline - ConocoPhillips 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.

Table 2. Groundwater Elevation Data Summary - ConocoPhillips 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
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
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
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

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 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
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
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
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
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
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

WATER SAMPLING FIELD FORM

Project No. Faye Burdette — 4 of 4

Site Location Aztec, NM

Site/Well No. MW- 1 — Coded/ Replicate No. duplicate — Date 6/17/09

Weather hot — Time Sampling Began 1035 — Time Sampling Completed 1100

EVACUATION DATA

Description of Measuring Pt (MP) TOC — Aplicate @ 1045

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 11.24 — Diameter of Casing 2 inch / 4 inch

Wet _____ — Water Column in Well 6.28 — Gallons Pumped/Bailed Prior to Sampling _____

Gallons per Foot 0.16

Gallons in Well 1 x 3 = 3 — Sampling Pump Intake (feet below land surface) _____

Purging Equipment dedicated bailer

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature	pH	Conductivity µs/cm³	TDS g/L	DO	DO%	ORP	Other
1041	15.36	7.40	1344	0.872	4.3	42.3	18.6	
1043	14.82	7.27	1268	0.824	2.96	29.2	20.8	
1046	14.46	7.22	1205	0.783	2.11	20.8	29.1	

Sampling Equipment Low Flow Pump / Disposable Bailer

Constituents Sampled	Container Description	Preservative
BTEX	3 VOAs	HCl
Fe, Mn, Al	32 oz. Plastic	HNO3

Remarks _____

Sampling Personnel GD, AM

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

WATER SAMPLING FIELD FORM

Project No. Faye Burdette — 1 of 4

Site Location Aztec, NM

Site/Well No. MW- 2 — Coded/ Replicate No. — — Date 6/17/09

Weather Sunny, 75° — Time Sampling Began 0920 — Time Sampling Completed 0945

EVACUATION DATA

Description of Measuring Pt (MP) TOC

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 10.48 — Diameter of Casing 2 inch / 4 inch

Wet — Water Column in Well 8.97 — Gallons Pumped/Bailed Prior to Sampling 4.5

Gallons per Foot 0.16

Gallons in Well 1.43 x 3 — Sampling Pump Intake (feet below land surface) —

Purging Equipment dedicated bailer = 4.29

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature	pH	Conductivity	TDS	DO	DO%	ORP	Other
927	14.68	7.23	1029	0.669	6.25	61.5	196.9	
930	14.08	7.30	1021	0.663	5.12	48.4	204.6	
933	14.02	7.30	1008	0.656	4.62	42.3	203.3	

Sampling Equipment Low Flow Pump / Disposable Bailer

Constituents Sampled	Container Description	Preservative
BTEX, Fe, Mn, Al	40mL VOAs w/ HCl	
	8 32 oz plastic	
	w/ HNO3	

Remarks

Sampling Personnel GD, AM

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

WATER SAMPLING FIELD FORM

Project No. Faye Burdette — 3 of 4

Site Location Aztec, NM

Site/Well No. MW- 3 — Coded/ Replicate No. ____ — Date 6/17/09

Weather hot — Time Sampling Began 1010 — Time Sampling Completed 1025

EVACUATION DATA

Description of Measuring Pt (MP) TOC

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 10.97 — Diameter of Casing (2 inch / 4 inch)

Wet ____ — Water Column in Well 11.99 — Gallons Pumped/Bailed Prior to Sampling ____

Gallons per Foot 0.16

Gallons in Well 1.92 x 3 = 5.76 — Sampling Pump Intake (feet below land surface) ____

Purging Equipment dedicated bailer

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature °C	pH	Conductivity ms/cm³	TDS g/L	DO mg/L	DO%	ORP	Other
1017	14.44	7.74	1079	0.701	5.24	47.8	153.6	
1020	14.28	7.35	1076	0.699	3.44	23.7	148.0	
1022	14.22	7.29	1079	0.702	2.11	20.5	150.1	

Sampling Equipment Low Flow Pump / (Disposable Bailer)

Constituents Sampled	Container Description	Preservative
BTEX, Mn, Fe, Al	40 ml VOAs & 32 oz plastic	HCl (VOAs) & HNO3

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

WATER SAMPLING FIELD FORM

Project No. Faye Burdette — 2 of 4

Site Location Aztec, NM

Site/Well No. MW- 4 — Coded/ Replicate No. — — Date 6/17/05

Weather hot — Time Sampling Began 0950 — Time Sampling Completed 1005

EVACUATION DATA

Description of Measuring Pt (MP) TOC

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 10.59 — Diameter of Casing 2 inch / 4 inch

Wet — Water Column in Well 11.69 — Gallons Pumped/~~Bailed~~ Prior to Sampling 5.5

Gallons per Foot 0.16

Gallons in Well 1.87 x 3 — Sampling Pump Intake (feet below land surface) —

Purging Equipment dedicated bailer = 5.61

SAMPLING DATA/FIELD PARAMETERS

Time	Temperature	pH	Conductivity	TDS	DO	DO%	ORP	Other
955	14.30	7.32	1096	0.712	5.00	47.7	197.8	
959	14.26	7.33	1138	0.740	4.90	46.7	165.2	
1002	14.20	7.30	1174	0.763	3.59	34.7	124.4	

Sampling Equipment — Low Flow Pump / Disposable Bailer

Constituents Sampled	Container Description	Preservative
BTEX	3 VOAs	HCl
Fe, Mn, Al	32 oz. plastic	HNO_3

Remarks

Sampling Personnel GD, AM

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:

09060969

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:	4510713617
Albuquerque		State:	New Mexico
NM		State Cert. No.:	
87110-		Date Reported:	7/1/2009
ph: (505) 237-8440	fax:		

This Report Contains A Total Of 16 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

7/1/2009

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:

09060969

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:	4510713617
Albuquerque		State:	New Mexico
NM		State Cert. No.:	
87110-		Date Reported:	7/1/2009
ph: (505) 237-8440	fax:		

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.

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.

Erica Cardenas
Project Manager

Date

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:

09060969

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: 4510713617
State: New Mexico
State Cert. No.:
Date Reported: 7/1/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	09060969-01	Water	6/17/2009 11:00:00 AM	6/18/2009 9:30:00 AM	327801	☐
MW-2	09060969-02	Water	6/17/2009 9:45:00 AM	6/18/2009 9:30:00 AM	327801	☐
MW-3	09060969-03	Water	6/17/2009 10:25:00 AM	6/18/2009 9:30:00 AM	327801	☐
MW-4	09060969-04	Water	6/17/2009 10:05:00 AM	6/18/2009 9:30:00 AM	327801	☐
DUPLICATE	09060969-05	Water	6/17/2009 10:45:00 AM	6/18/2009 9:30:00 AM	327801	☐
Trip Blank	09060969-05	Water	6/17/2009 10:45:00 AM	6/18/2009 9:30:00 AM	327801	☐
Trip Blank	09060969-06	Water	6/17/2009 10:45:00 AM	6/18/2009 9:30:00 AM	327801	☐

Erica Cardenas 7/1/2009
Project Manager 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:** 06/17/2009 11:00 **SPL Sample ID:** 09060969-01

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Aluminum	2.5		0.1	1	06/24/09 15:00	EG	5084236
Iron	5.58		0.02	1	06/24/09 15:00	EG	5084236
Manganese	2.47		0.005	1	06/24/09 15:00	EG	5084236

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/20/2009 11:30	AB1	1.00

VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**	
Benzene	ND		5	1	06/29/09 11:52	LU_L	5090427
Ethylbenzene	ND		5	1	06/29/09 11:52	LU_L	5090427
Toluene	ND		5	1	06/29/09 11:52	LU_L	5090427
m,p-Xylene	ND		5	1	06/29/09 11:52	LU_L	5090427
o-Xylene	ND		5	1	06/29/09 11:52	LU_L	5090427
Xylenes,Total	ND		5	1	06/29/09 11:52	LU_L	5090427
Surr: 1,2-Dichloroethane-d4	92.9	%	78-116	1	06/29/09 11:52	LU_L	5090427
Surr: 4-Bromofluorobenzene	99.2	%	74-125	1	06/29/09 11:52	LU_L	5090427
Surr: Toluene-d8	99.2	%	82-118	1	06/29/09 11:52	LU_L	5090427

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:** 06/17/2009 9:45 **SPL Sample ID:** 09060969-02

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Aluminum	3.4		0.1	1	06/24/09 15:04	EG	5084237
Iron	2.8		0.02	1	06/24/09 15:04	EG	5084237
Manganese	1.37		0.005	1	06/24/09 15:04	EG	5084237

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/20/2009 11:30	AB1	1.00

VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	06/29/09 12:19	LU_L	5090430
Ethylbenzene	ND		5	1	06/29/09 12:19	LU_L	5090430
Toluene	ND		5	1	06/29/09 12:19	LU_L	5090430
m,p-Xylene	ND		5	1	06/29/09 12:19	LU_L	5090430
o-Xylene	ND		5	1	06/29/09 12:19	LU_L	5090430
Xylenes,Total	ND		5	1	06/29/09 12:19	LU_L	5090430
Surr: 1,2-Dichloroethane-d4	93.6	%	78-116	1	06/29/09 12:19	LU_L	5090430
Surr: 4-Bromofluorobenzene	102	%	74-125	1	06/29/09 12:19	LU_L	5090430
Surr: Toluene-d8	99.4	%	82-118	1	06/29/09 12:19	LU_L	5090430

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-3 **Collected:** 06/17/2009 10:25 **SPL Sample ID:** 09060969-03

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Aluminum	1.68		0.1	1	06/24/09 15:08	EG	5084238
Iron	2.14		0.02	1	06/24/09 15:08	EG	5084238
Manganese	0.628		0.005	1	06/24/09 15:08	EG	5084238

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/20/2009 11:30	AB1	1.00

VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	06/29/09 12:46	LU_L	5090432
Ethylbenzene	ND		5	1	06/29/09 12:46	LU_L	5090432
Toluene	ND		5	1	06/29/09 12:46	LU_L	5090432
m,p-Xylene	ND		5	1	06/29/09 12:46	LU_L	5090432
o-Xylene	ND		5	1	06/29/09 12:46	LU_L	5090432
Xylenes,Total	ND		5	1	06/29/09 12:46	LU_L	5090432
Surr: 1,2-Dichloroethane-d4	93.2	%	78-116	1	06/29/09 12:46	LU_L	5090432
Surr: 4-Bromofluorobenzene	100	%	74-125	1	06/29/09 12:46	LU_L	5090432
Surr: Toluene-d8	99.6	%	82-118	1	06/29/09 12:46	LU_L	5090432

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-4 **Collected:** 06/17/2009 10:05 **SPL Sample ID:** 09060969-04

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Aluminum	2.43		0.1	1	06/24/09 15:13	EG	5084239
Iron	2.05		0.02	1	06/24/09 15:13	EG	5084239
Manganese	0.854		0.005	1	06/24/09 15:13	EG	5084239

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/20/2009 11:30	AB1	1.00

VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	06/28/09 17:04	JC	5088668
Ethylbenzene	ND		5	1	06/28/09 17:04	JC	5088668
Toluene	ND		5	1	06/28/09 17:04	JC	5088668
m,p-Xylene	ND		5	1	06/28/09 17:04	JC	5088668
o-Xylene	ND		5	1	06/28/09 17:04	JC	5088668
Xylenes,Total	ND		5	1	06/28/09 17:04	JC	5088668
Surr: 1,2-Dichloroethane-d4	92.2		% 78-116	1	06/28/09 17:04	JC	5088668
Surr: 4-Bromofluorobenzene	94.9		% 74-125	1	06/28/09 17:04	JC	5088668
Surr: Toluene-d8	93.4		% 82-118	1	06/28/09 17:04	JC	5088668

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: DUPLICATE **Collected:** 06/17/2009 10:45 **SPL Sample ID:** 09060969-05

Site: Aztec, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Aluminum	2.83		0.1	1	06/24/09 15:17	EG	5084240
Iron	6.13		0.02	1	06/24/09 15:17	EG	5084240
Manganese	2.52		0.005	1	06/24/09 15:17	EG	5084240

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/20/2009 11:30	AB1	1.00

VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	06/29/09 13:13	LU_L	5090433
Ethylbenzene	ND		5	1	06/29/09 13:13	LU_L	5090433
Toluene	ND		5	1	06/29/09 13:13	LU_L	5090433
m,p-Xylene	ND		5	1	06/29/09 13:13	LU_L	5090433
o-Xylene	ND		5	1	06/29/09 13:13	LU_L	5090433
Xylenes,Total	ND		5	1	06/29/09 13:13	LU_L	5090433
Surr: 1,2-Dichloroethane-d4	96.0	%	78-116	1	06/29/09 13:13	LU_L	5090433
Surr: 4-Bromofluorobenzene	99.7	%	74-125	1	06/29/09 13:13	LU_L	5090433
Surr: Toluene-d8	100	%	82-118	1	06/29/09 13:13	LU_L	5090433

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:** 06/17/2009 10:45 **SPL Sample ID:** 09060969-06

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		5	1	06/29/09 13:40	LU_L	5090434
Ethylbenzene	ND		5	1	06/29/09 13:40	LU_L	5090434
Toluene	ND		5	1	06/29/09 13:40	LU_L	5090434
m,p-Xylene	ND		5	1	06/29/09 13:40	LU_L	5090434
o-Xylene	ND		5	1	06/29/09 13:40	LU_L	5090434
Xylenes,Total	ND		5	1	06/29/09 13:40	LU_L	5090434
Surr: 1,2-Dichloroethane-d4	93.3		% 78-116	1	06/29/09 13:40	LU_L	5090434
Surr: 4-Bromofluorobenzene	89.8		% 74-125	1	06/29/09 13:40	LU_L	5090434
Surr: Toluene-d8	99.4		% 82-118	1	06/29/09 13:40	LU_L	5090434

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, Total
Method: SW6010B
WorkOrder: 09060969
Lab Batch ID: 91295

Method Blank

RunID: ICP2_090624A-5084226 Units: mg/L
Analysis Date: 06/24/2009 14:17 Analyst: EG
Preparation Date: 06/20/2009 11:30 Prep By: AB1 Method SW3010A

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
09060969-01B	MW-1
09060969-02B	MW-2
09060969-03B	MW-3
09060969-04B	MW-4
09060969-05B	DUPLICATE

Laboratory Control Sample (LCS)

RunID: ICP2_090624A-5084227 Units: mg/L
Analysis Date: 06/24/2009 14:21 Analyst: EG
Preparation Date: 06/20/2009 11:30 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aluminum	1.000	1.078	107.8	80	120
Iron	1.000	1.067	106.7	80	120
Manganese	1.000	1.021	102.1	80	120

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

Sample Spiked: 09060865-02
RunID: ICP2_090624A-5084229 Units: mg/L
Analysis Date: 06/24/2009 14:30 Analyst: EG
Preparation Date: 06/20/2009 11:30 Prep By: AB1 Method SW3010A

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	ND	1	1.070	103.1	1	1.067	102.8	0.2808	20	75	125
Iron	0.6258	1	1.633	100.7	1	1.701	107.5	4.079	20	75	125
Manganese	0.1792	1	1.198	101.9	1	1.221	104.2	1.902	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.

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Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09060969
Lab Batch ID: R276742

Method Blank

RunID: Q_090628B-5088667 Units: ug/L
Analysis Date: 06/28/2009 14:19 Analyst: JC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09060969-04A	MW-4

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	100.2	78-116
Surr: 4-Bromofluorobenzene	101.1	74-125
Surr: Toluene-d8	98.8	82-118

Laboratory Control Sample (LCS)

RunID: Q_090628B-5088666 Units: ug/L
Analysis Date: 06/28/2009 13:51 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.3	96.4	74	123
Ethylbenzene	20.0	22.2	111	72	127
Toluene	20.0	19.8	98.9	74	126
m,p-Xylene	40.0	46.6	116	71	129
o-Xylene	20.0	23.6	118	74	130
Xylenes,Total	60.0	70.2	117	71	130
Surr: 1,2-Dichloroethane-d4	50.0	46.7	93.4	78	116
Surr: 4-Bromofluorobenzene	50.0	51.6	103	74	125
Surr: Toluene-d8	50.0	48.9	97.9	82	118

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

Sample Spiked: 09060969-04
RunID: Q_090628B-5088669 Units: ug/L
Analysis Date: 06/28/2009 17:31 Analyst: JC

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
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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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.

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8880 INTERCHANGE DRIVE
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(713) 660-0901

Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09060969
Method: SW8260B **Lab Batch ID:** R276742

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	16.2	80.9	20	15.9	79.5	1.71	22	70	124
Ethylbenzene	ND	20	18.2	90.9	20	18.2	90.9	0.0165	20	76	122
Toluene	ND	20	16.1	80.4	20	17.0	85.0	5.56	24	80	117
m,p-Xylene	ND	40	36.8	92.0	40	39.1	97.9	6.15	20	69	127
o-Xylene	ND	20	18.6	93.2	20	19.1	95.5	2.38	20	84	114
Xylenes,Total	ND	60	55.4	92.4	60	58.2	97.1	4.90	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	44	88.1	50	44.7	89.4	1.53	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	50.3	101	50	51.7	103	2.77	30	74	125
Surr: Toluene-d8	ND	50	46.8	93.6	50	48.6	97.1	3.66	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.

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Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09060969
Method: SW8260B **Lab Batch ID:** R276860

Method Blank

RunID: K_090628B-5090420 Units: ug/L
Analysis Date: 06/29/2009 6:28 Analyst: LU_L

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	94.8	78-116
Surr: 4-Bromofluorobenzene	98.9	74-125
Surr: Toluene-d8	100.4	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09060969-01A	MW-1
09060969-02A	MW-2
09060969-03A	MW-3
09060969-05A	DUPLICATE
09060969-06A	Trip Blank

Laboratory Control Sample (LCS)

RunID: K_090628B-5090418 Units: ug/L
Analysis Date: 06/29/2009 6:01 Analyst: LU_L

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.9	99.4	74	123
Ethylbenzene	20.0	20.8	104	72	127
Toluene	20.0	21.8	109	74	126
m,p-Xylene	40.0	43.9	110	71	129
o-Xylene	20.0	23.2	116	74	130
Xylenes,Total	60.0	67.1	112	71	130
Surr: 1,2-Dichloroethane-d4	50.0	47.5	94.9	78	116
Surr: 4-Bromofluorobenzene	50.0	53.1	106	74	125
Surr: Toluene-d8	50.0	50.4	101	82	118

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

Sample Spiked: 09060791-02
RunID: K_090628B-5090423 Units: ug/L
Analysis Date: 06/29/2009 10:58 Analyst: LU_L

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.

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HOUSTON, TX 77054
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Quality Control Report

Conoco Phillips

COP Faye-Burdette

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09060969
Method: SW8260B **Lab Batch ID:** R276860

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	18.5	92.4	20	18.0	90.2	2.40	22	70	124
Ethylbenzene	ND	20	19.0	94.8	20	19.1	95.7	0.966	20	76	122
Toluene	ND	20	19.6	97.9	20	19.0	95.0	3.02	24	80	117
m,p-Xylene	ND	40	36.6	91.5	40	38.7	96.7	5.56	20	69	127
o-Xylene	ND	20	20.6	103	20	19.9	99.4	3.62	20	84	114
Xylenes,Total	ND	60	57.2	95.3	60	58.6	97.6	2.35	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	47	94.1	50	47.0	94.0	0.0638	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	52.2	104	50	51.8	104	0.659	30	74	125
Surr: Toluene-d8	ND	50	50.1	100	50	50.5	101	0.710	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:	**09060969**	Received By:	**T_B**
Date and Time Received:	**6/18/2009 9:30:00 AM**	Carrier name:	**Fedex-Standard Overnight**
Temperature:	**2.0°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: trip blanks send with samples but not listed on chain

Client Instructions: _____

SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No.: 0906D969 — 327801 — page ___ of ___

Client Name: Tetra Tech
Address: 6121 Indian School Rd NE Suite 200
City: Albuquerque State: NM Zip:
Phone/Fax: 505-237-8440
Client Contact: Kelly Blanchard Email: kelly.blanchard@tetratech.com
Project Name/No.: Enjo Burdette
Site Name:
Site Location: Aztec NM
Invoice To: 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	Requested Analysis: Total Methyl Ethyl Ketone
MW-1	6/17/09	1100		X	W	V	40	1	3	X	
MW-2	6/17/09	0946		X	W	V	40	1	3	X	
MW-3	6/17/09	1025		X	W	V	40	1	3	X	
MW-4	6/17/09	1005		X	W	V	40	1	3	X	
Duplicate	6/17/09	1045		X	W	V	40	1	3	X	
MW-1	6/17/09	1100		X	W	P	X	2	1		X
MW-2	6/17/09	0945		X	W	P	X	2	1		X
MW-3	6/17/09	1025		X	W	P	X	2	1		X
MW-4	6/17/09	1005		X	W	P	X	2	1		X
Duplicate	6/17/09	1045		X	W	P	X	2	1		X

Client/Consultant Remarks: X-3207

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp: 2.0

Requested TAT
- 1 Business Day
- 2 Business Days
- 3 Business Days
- Contract
- Standard
- 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:	6/17/09	1630
2. Received by:		
3. Relinquished by:	date	time
4. Received by:		
5. Relinquished by:	date 6/18/09	time 9:30
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