

AP - 015

2009 AGWMR

09/30/2010

AP 015



Thomas (Tom) Wynn
Site Manager
Risk Management & Remediation
1354 Phillips Building
420 South Keeler
Bartlesville, OK 74074
phone 918.661.0310
fax 918-662-4192
tom.r.wynn@conocophillips.com

September 30, 2010

Mr. Glenn VonGonten
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr.
Santa Fe, NM 87504

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**RE: ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT
MARCH 2009 THROUGH FEBRUARY 2010
ConocoPhillips East Hobbs Junction (AP-15)
Hobbs, Lea County, New Mexico**

Dear Mr. VonGonten:

Pursuant to operations and monitoring requirements for the East Hobbs Junction remediation site, please find one copy of the above referenced report for your review and concurrence. This report presents an annual summary of all site activities performed from March 2009 through February 2010 relating to the operation, maintenance and monitoring of the remediation system, quarterly groundwater monitoring, and sampling and analyses.

If you have any questions or comments, please contact me at the above listed number or Greg W. Pope with Tetra Tech at (432) 682-4559.

Sincerely,

Tom Wynn
Site Manager
Risk Management and Remediation
ConocoPhillips

cc: w/ attachment

Chris Williams, NMOCD, Hobbs, NM
Greg Pope, Tetra Tech, Midland, TX

**ANNUAL MONITORING, OPERATION
AND MAINTENANCE REPORT
MARCH 2009 THROUGH FEBRUARY 2010**

**CONOCOPHILLIPS
EAST HOBBS JUNCTION (AP-15)
HOBBS, LEA COUNTY, NEW MEXICO**

Prepared for:



Prepared By:



TETRA TECH, INC.

1910 N. Big Spring Street
Midland, Texas 79705

September 30, 2010



TETRA TECH, INC.

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559

September 30, 2010

Mr. Glenn VonGonten
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr.
Santa Fe, NM 87504

**RE: ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT
MARCH 2009 THROUGH FEBRUARY 2010
ConocoPhillips East Hobbs Junction (AP-15)
Hobbs, Lea County, New Mexico**

INTRODUCTION

On behalf of ConocoPhillips, formerly Phillips Pipe Line Company, Tetra Tech (formerly Maxim Technologies; Maxim) is submitting the following annual status report for the East Hobbs Junction remediation site (Site). The Site is located in Lea County, New Mexico (Sec 8, T19S, R38E; Figure 1), approximately one mile south of the city of Hobbs. The work described in this report was performed in accordance with the Stage 2 Ground Water Abatement Plan (AP-15) issued for the Site and approved by the New Mexico Oil Conservation Division (NMOCD). A request for extension of the submittal date for this report to April 30, 2010 was submitted to the NMOCD and approved via electronic mail on March 22, 2010; however, additional time was required to complete this report. This report is a summary of the following activities performed from March 2009 through February 2010:

- Groundwater Monitoring and Sampling
- Free Petroleum Hydrocarbon Gauging, Recovery and Disposal
- Remediation System Operation and Maintenance

During this time period, no new groundwater monitoring wells or remediation wells were installed at the Site. Volatile organic compound (VOC) removal rates by the soil vapor extraction (SVE) system have decreased over time to an ineffective level for remediation of the crude oil plume. On August 5, 2008, the SVE and air sparging systems were converted into a bioventing system utilizing electronic timers to cycle the periods of operation to promote oxygen enhancement in the vadose zone and encourage biodegradation. After initial startup procedures and timer calibration were completed, continuous operation of the bioventing system began on August 20, 2008.

This report also presents four quarters of groundwater monitoring data collected in April, July and October 2009, and January 2010.

BACKGROUND

Project activities commenced at the Site in January of 2000, following the discovery of a release of crude oil from a gathering line at the East Hobbs Junction. Assessment and remediation activities have been conducted at the Site to define and address the crude oil impacts including the installation of a comprehensive soil and groundwater remediation system. The remediation system installation consisted of a SVE system, an air sparging system, and expanding the existing crude oil recovery system. Figure 1 illustrates the locations of the existing pipeline corridors, the Site monitoring and remediation wells, and the remediation system buildings and oil storage tank.

Higgins and Associates, L.L.C. (H&A) of Centennial, Colorado performed the installation of the remediation system, initial startup procedures, system operation and maintenance, and required Site monitoring activities until September 2003. On September 24, 2003, Maxim (presently Tetra Tech) assumed operation and maintenance of the system, and continued the required Site monitoring activities.

HEALTH AND SAFETY

Tetra Tech required safety and health procedures that were appropriate for the level of environmental hazard known to exist at the Site. Procedures used complied with ConocoPhillips' "Contractors Health and Safety Standard" (revised 2010). Modified Level D Personal Protective Equipment (PPE) was adequate for the Site activities. Personnel were equipped with respirators and organic vapor cartridges in the event of a sudden release of noxious fumes from the Site. Prior to commencement of work, a Site Specific Health and Safety Plan (HASP) was prepared by Tetra Tech. The HASP was reviewed and signed by all personnel working at the Site. Safety procedures were reviewed during tailgate safety meetings conducted prior to the start of work each day.

GROUNDWATER MONITORING AND SAMPLING

Quarterly groundwater monitoring and sampling activities were conducted at the Site on April 21-22, July 28-29 and October 27-28, 2009, and January 26-27, 2010. Accessible monitoring, recovery and remediation wells were measured for groundwater elevations prior to the sampling events. Wells containing free petroleum hydrocarbons were not sampled. On April 21 and 22, 2009, wells MW-4 through 6, MW-12 through 27, and SVE-10 were sampled. On July 28-29 and October 21-22, 2009, and January 26-27, 2010, wells MW-2 through 6, MW-11 through 27, and SVE-10 were sampled. The groundwater samples were collected into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of total petroleum hydrocarbons-diesel range organics (TPH-DRO) and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by Method 8015B modified, benzene, toluene, ethylbenzene and total xylenes (BTEX) by Method 8021B, and chloride by Method 300.0A.

Groundwater elevation measurements are summarized in Table 1. Potentiometric surface maps for each of the four sampling events are included as Figures 2a, 2b, 2c and 2d. Groundwater flow direction is variable across the Site, and depending on location, can be to the west, southwest, south, or southeast. The overall groundwater flow direction was calculated and shows to be southwest at an average gradient ranging from 0.0014 feet per foot (ft/ft) in April 2009 to 0.0021 ft/ft in October 2009. Groundwater levels at the Site generally peaked in 2006, as shown on the hydrographs included in Appendix A, and have shown a decreasing trend overall since. A majority of the wells have now reached the lowest groundwater levels historically recorded since the wells were installed.

Groundwater analytical results for the April, July, and October 2009, and January 2010 sampling events are presented in Tables 2a, 2b, and 2c, and graphically displayed on Figures 3a, 3b, 3c and 3d. The laboratory analytical data is included in Appendix B. Analytical results from the groundwater monitoring events show that the lateral extent of the dissolved-phase plume remains defined in all directions. Minor detections were noted in a few of the perimeter wells, with TPH-DRO occasionally being reported at very low concentrations.

In the interior wells, concentrations of BTEX, TPH-GRO and TPH-DRO decreased overall in wells MW-2, MW-5, MW-6, MW-15, MW-24, MW-27 and SVE-10, and remained generally consistent in wells MW-3, MW-11, MW-12 and MW-18. During the reporting time frame, the

highest concentration of benzene was reported in well MW-2 at 15,000 micrograms per liter ($\mu\text{g/L}$; July 2009). This well reported a benzene concentration at 1.3 $\mu\text{g/L}$ during the January 2010 sampling event, but was not sampled during the April 2009 sampling event due to the presence of measurable liquid phase hydrocarbons (LPH). Subsequent decreases in toluene (2,000 to 1.1 $\mu\text{g/L}$), ethylbenzene (640 to 1.1 $\mu\text{g/L}$), total xylenes (1,540 to 1.1 $\mu\text{g/L}$), TPH-GRO (62 to 0.71 milligrams per liter [mg/L]), and TPH-DRO (10 to 2.2 mg/L) were also reported in MW-2 between July 2009 and January 2010 (Table 2a).

FREE PETROLEUM HYDROCARBON GAUGING

Free-phase petroleum hydrocarbons were measured in selected wells during each of the four monitoring events, and weekly measurements are recorded at wells MW-7, MW-8 and MW-10 to monitor any crude oil recharge into these wells. Isopleth maps depicting LPH thickness for April, July and October 2009, and January 2010 are included as Figures 4a, 4b, 4c and 4d, respectively, and LPH measurements are summarized in Table 1.

During the April through October 2009 sampling events, the crude oil recovery wells recorded none to very thin measurable LPH (0.01 feet), with no wells showing measurable LPH in July 2009. During January 2010, only MW-9 recorded a measurable LPH thickness at 1.28 feet, which seems to be a very anomalous measurement since only 0.01 feet was measured in October 2009 and none was recorded during the two previous events. As previously discussed, groundwater levels at the Site have shown a continual decrease over time, and a majority of the wells have now reached the lowest groundwater levels historically recorded since the wells were installed, below the maximum low stand in 2004 when LPH was last measured at recoverable thicknesses. Depiction of each well's LPH plume thickness and groundwater level is shown on the hydrographs in Appendix A.

FREE PETROLEUM HYDROCARBON RECOVERY

Due to the reduced LPH plume thickness described above, no crude oil recovery was performed at the Site during March 2009 through February 2010, and the skimmer pumps have been removed from the wells to facilitate groundwater and LPH measurement access. From initial abatement activities and previous oil removal activities, approximately 398 barrels of crude oil have been recovered through February 2010.



During the June 2005 meeting with the NMOCD in Santa Fe, a rule of thumb was established that assumed 0.5 feet of crude oil thickness would be used as criteria for returning a recovery well to operation. During the time frame of this report, no recovery wells have met these criteria. Also, no disposal activities were performed at the Site during March 2009 through February 2010.

SOIL VAPOR EXTRACTION AND AIR SPARGING SYSTEMS MONITORING

The SVE system has been operational since October 17, 2002. For air quality permit compliance, the on-site SVE system has been periodically monitored for effluent temperature, flow rate and VOC concentrations since startup. A photoionization detector (PID) is used in the field to measure VOCs as organic vapor in air in parts per million (ppm) at the blower exhaust stack. Effluent flow rates and PID readings have ranged from 849 to 875 cubic feet per minute, and from 0.0 to 663 ppm since startup. A summary of SVE emissions data is presented in Table 3, and graphical representation of the VOC measurements and emissions data are presented on Figure 5. As presented in Table 3, VOCs have shown a consistent declining trend, with concentrations dropping below 100 ppm in November 2004, and below 30 ppm in March 2005. Further decline in VOC concentrations continued until November 2005, when VOCs became non-detectable by the PID. Several inspections were performed on the SVE piping system, wellheads and valving to check for ambient air leaks which would contribute to the low to non-detect SVE concentrations, with no leaks being found. To check for any rebound of VOCs, the SVE system was shutdown on December 6, 2005 and then restarted on January 6, 2006. VOC concentrations were measured at 4.7 ppm on January 6, 2006, after the system was off for one month. Because no significant VOCs were measured after this time period, the SVE system was shut back down. The SVE system was restarted on September 14, 2006, when VOC concentrations were measured at 346 ppm. Since the restarting of the SVE unit in September 2006, VOC concentrations have once again shown a consistent declining trend, measuring 23.5 ppm on February 12, 2008.

On August 5, 2008, the SVE and air sparging systems were converted into a bioventing system utilizing electronic timers to cycle the periods of operation to promote oxygen enhancement in the vadose zone and encourage biodegradation. After startup procedures, system repairs and timer calibration were completed, continuous operation of the bioventing system began on August 20, 2008. According to system design parameters, the air sparging operates by alternating air injection to each of the four well zones for four hours each, followed by an eight

hour latent period. The SVE operates by running concurrently with the air sparging plus two additional hours, followed by a six hour latent period. Well vacuum, groundwater dissolved oxygen (DO) readings, and air injection pressures are collected at the SVE wellheads and sparging manifolds to monitor the effectiveness of the bioventing conversion. Consistent DO data collected since January 2009, utilizing a downhole operated YSI ProODO™ optical DO instrument, have shown a cyclic response in the groundwater DO through February 2010, with alternating increases and decreases in the DO measured in the wells. Well vacuum and SVE effluent VOC concentration readings are presented in Table 4. Groundwater DO and temperature measurements in select wells are presented in Table 5.

Approximately 56,916 pounds (~28.4 tons) of VOCs have been removed from the vadose zone by the SVE system since startup on October 17, 2002 through February 2010. The yearly total of VOCs removed by SVE from March 2009 through February 2010 was approximately 3.6 tons. The removal of VOCs by the SVE system has shown a consistent decrease from the 11.45 tons removed during the first year of operation at the initial startup in October 2002 through October 2003. However, VOC removal rates have increased during March 2009 through February 2010 due to the bioventing operations. The Site is permitted by the New Mexico Air Quality Board for a maximum VOC extraction rate of 15 tons per year.

SYSTEM OPERATION AND MAINTENANCE

The remediation system equipment operation and maintenance schedule was performed according to manufacture recommendations and included oil and oil filter changes, air filter replacement, motor bearing lubrication and air/oil separator maintenance on the Sullivan/Palatek 20D air compressor; lubrication of the bearings and oil changes on the Roots SVE blower; replacement of fuses and indicator bulbs on the system control panel as needed; monitoring and replacement/repair of gauges, fittings, and wellhead assemblies; and routine monitoring of all system fittings, hoses, sight glasses, gauges, valves, seals, lines, bearings, control switches and solenoids. The operation and maintenance schedule also included recording the system gauge and timer readings into a table for monitoring of system functions over time.

CONCLUSIONS

Based on the data presented in this report, the following conclusions can be determined:

- Groundwater sampling results indicate a decrease of BTEX, TPH-GRO and TPH-DRO concentrations in wells MW-2, MW-5, MW-6, MW-15, MW-24, MW-27 and SVE-10, and the concentrations remained generally consistent in wells MW-3, MW-11, MW-12 and MW-18. Analytical results from the groundwater monitoring events show that the lateral extent of the dissolved-phase plume remains defined in all directions. Minor detections were noted in a few of the perimeter wells, with TPH-DRO occasionally being reported at very low concentrations.
- Approximately 56,916 pounds (~28.4 tons) of VOCs have been removed from the vadose zone by the SVE system since startup on October 17, 2002 through February 2010. The yearly total of VOCs removed by SVE from March 2009 through February 2010 was approximately 3.6 tons. The removal of VOCs by the SVE system has shown a consistent decrease from the 11.45 tons removed during the first year of operation at the initial startup in October 2002 through October 2003. However, VOC removal rates have increased during March 2009 through February 2010 due to the bioventing operations.
- The SVE and air sparging systems were converted into a bioventing system on August 5, 2008. After startup procedures and timer calibration were completed, continuous operation of the bioventing system began on August 20, 2008. Consistent DO data collected since January 2009 have shown have shown a cyclic response in the groundwater DO through February 2010, with alternating increases and decreases in the DO measured in the wells.
- Groundwater levels at the Site have shown a continual decrease over time, with a majority of the wells now showing the lowest groundwater levels historically recorded since the wells were installed.
- During the April through October 2009 sampling events, the crude oil recovery wells recorded none to very thin measurable LPH (0.01 feet), with no wells showing measurable LPH in July 2009. During January 2010, only MW-9 recorded a measurable LPH thickness at 1.28 feet, which seems to be a very anomalous measurement since only 0.01 feet was measured in October 2009 and none was recorded during the two previous events.
- Due to the reduced LPH plume thickness, no crude oil recovery was performed at the Site during March 2009 through February 2010, and the skimmer pumps have been removed from the wells to facilitate groundwater and LPH measurement access. From

initial abatement activities through February 2010, the crude oil recovery system has recovered approximately 398 barrels of crude oil.

RECOMMENDATIONS

Based on the results and conclusions presented in this report, the following recommendations are presented:

- Continue close monitoring of the groundwater levels and LPH plume thickness with the purpose of restarting the crude oil skimmer system if recoverable LPH is observed in the recovery wells.
- Continue operation and monitoring of the converted bioventing system.

Should you have any questions or comments upon review of this report, please contact Mr. Tom Wynn, ConocoPhillips Site Manager, at (918) 661-0310 or myself at (432) 682-4559.

Sincerely,

TETRA TECH



Greg W. Pope, P.G.
Project Manager



TETRA TECH, INC.

FIGURES

Figure 1	Site Map
Figure 2a	Groundwater Contour Map – April 2009
Figure 2b	Groundwater Contour Map – July 2009
Figure 2c	Groundwater Contour Map – October 2009
Figure 2d	Groundwater Contour Map – January 2010
Figure 3a	Summary of Groundwater Analytical Results – April 2009
Figure 3b	Summary of Groundwater Analytical Results – July 2009
Figure 3c	Summary of Groundwater Analytical Results – October 2009
Figure 3d	Summary of Groundwater Analytical Results – January 2010
Figure 4a	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – April 2009
Figure 4b	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – July 2009
Figure 4c	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – October 2009
Figure 4d	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – January 2010
Figure 5	VOC Emissions Data



LEGEND

- MW-1 ● Existing Monitor Well Location and Designation
- SVE-1 ● Soil Vapor Extraction Location and Designation
- SP-2 ○ Sparge Well Location and Designation
- RW-1 □ Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor

Note: Site is restricted to public access.

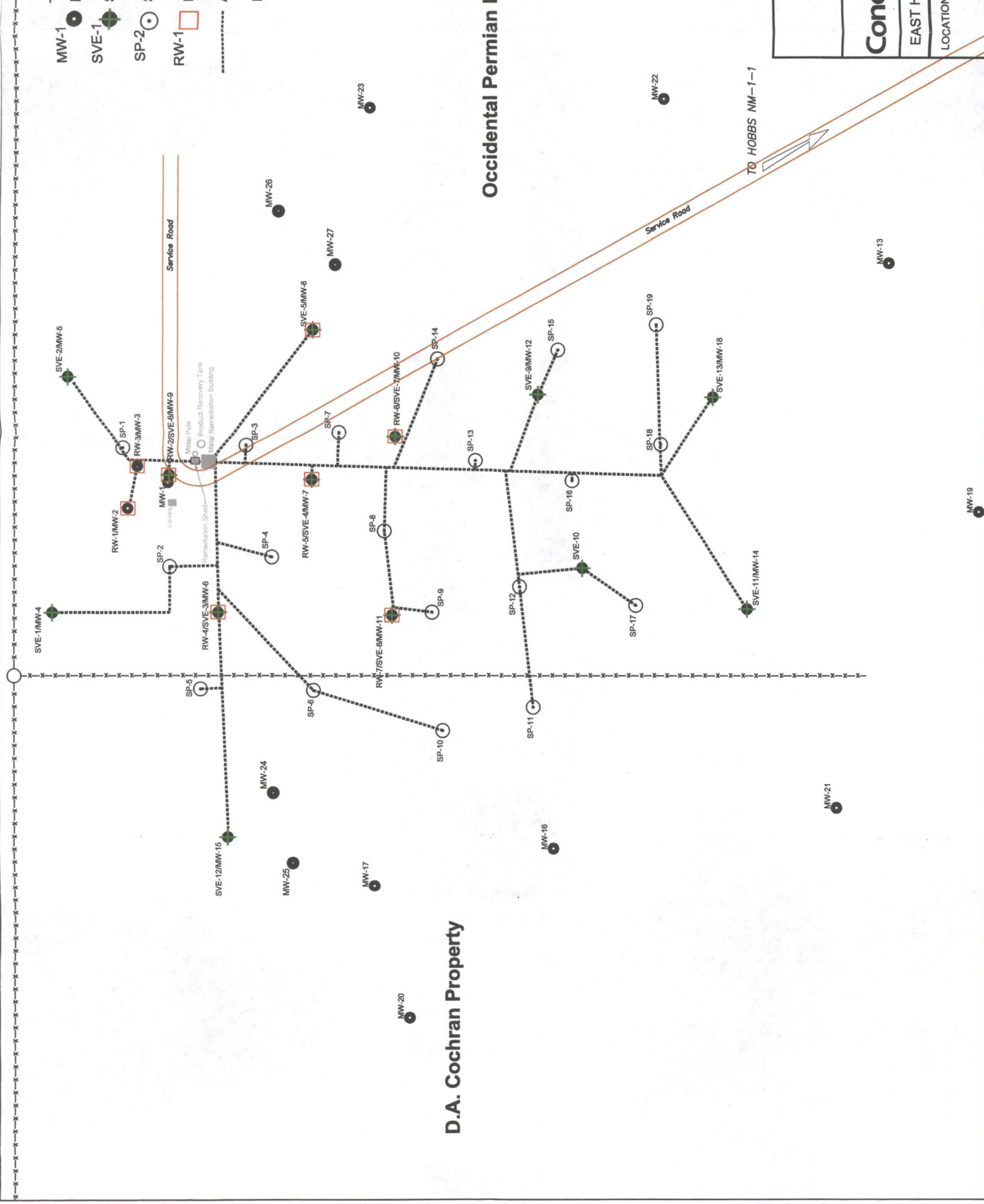
D.A. Cochran Property

Occidental Permian Ltd. Property



FIGURE 1 : SITE MAP

ConocoPhillips	Tetra Tech, Inc.
EAST HOBBS JUNCTION	DATA COLLECTED : JAN 25, 2010
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E	PROJECT NO : 114-6400485 MODIFIED BY : GWP DATE MODIFIED : 09/09/2010 ACAD File : EHJ.Fig1SiteMap2010.dwg



LEGEND

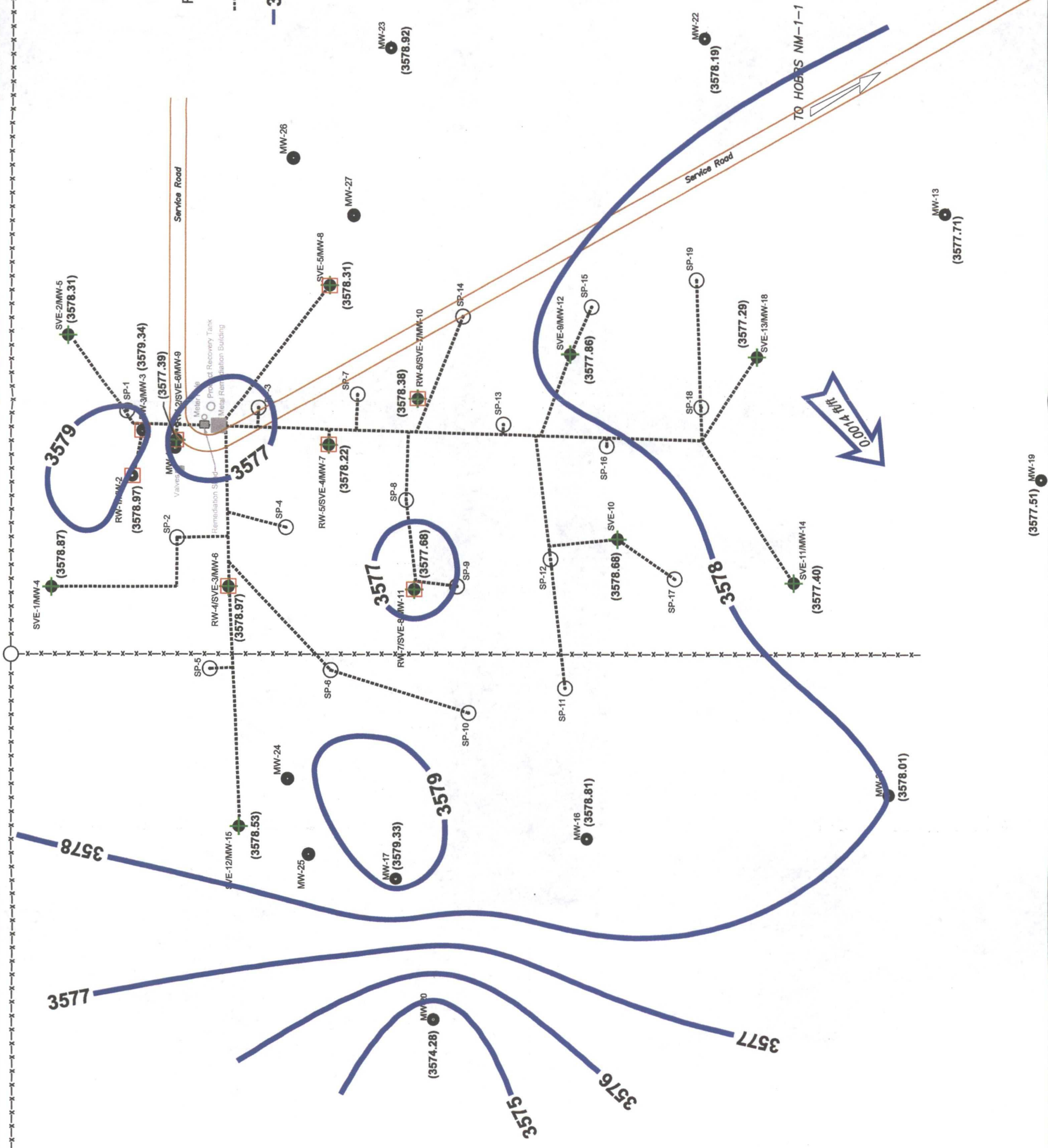
- MW-1  Existing Monitor Well Location and Designation
- SVE-1  Soil Vapor Extraction Location and Designation
- SP-2  Sparge Well Location and Designation
- RW-1  Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor
- 3578—** Groundwater Elevation Contour
- (3578.92) Groundwater Elevation (feet above mean sea level)

ft/ft = feet per foot



**FIGURE 2a : GROUNDWATER ELEVATION
CONTOUR MAP
APRIL 2009**

		TETRA TECH, INC.
EAST HOBBS JUNCTION	DATA COLLECTED : APRIL 20, 2009	PROJECT NO : 114-6400485 MODIFIED BY : GWP DATE MODIFIED : 08/09/2010
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E		ACAD File : EHJ.GW Apr09.dwg



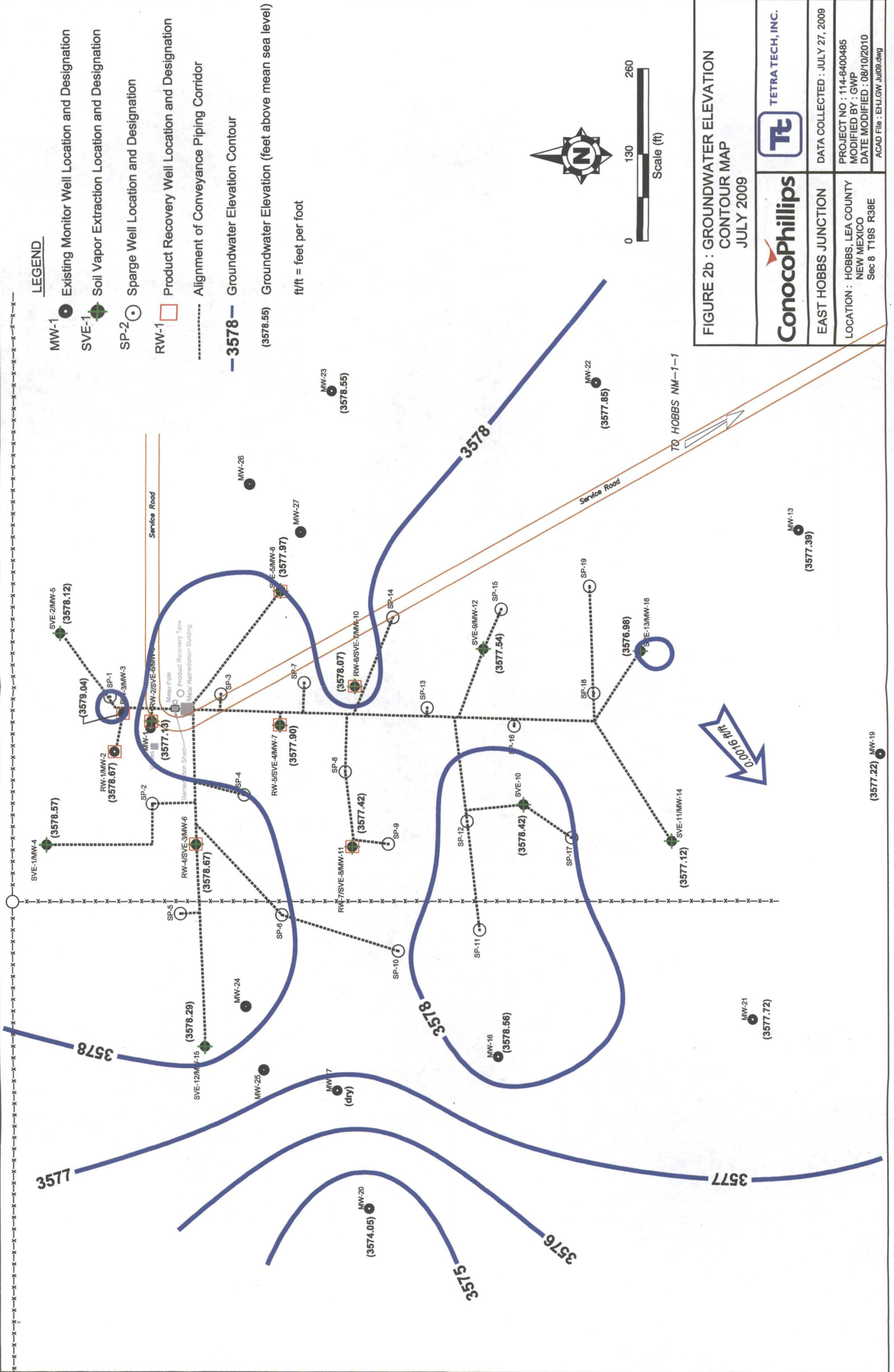
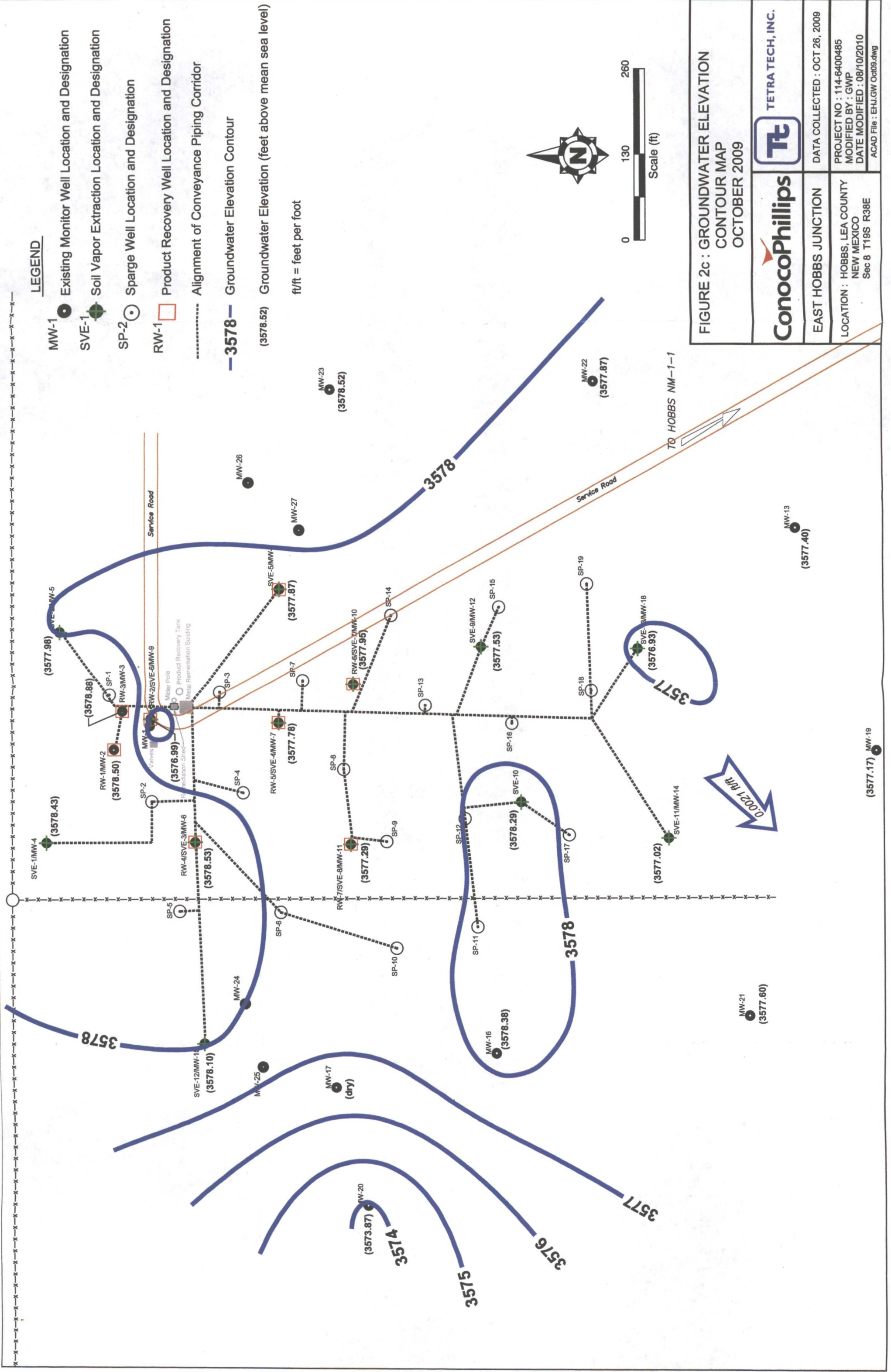


FIGURE 2b : GROUNDWATER ELEVATION
CONTOUR MAP
JULY 2009



LEGEND

- MW-1 Existing Monitor Well Location and Designation
- SVE-1 Soil Vapor Extraction Location and Designation
- SP-2 Sparge Well Location and Designation
- RW-1 Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor
- Groundwater Elevation Contour
- Groundwater Elevation (feet above mean sea level)

ft/ft = feet per foot



FIGURE 2c: GROUNDWATER ELEVATION
CONTOUR MAP
OCTOBER 2009

ConocoPhillips		Tetra Tech, Inc.	
EAST HOBBS JUNCTION		DATA COLLECTED : OCT 26, 2009	
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E		PROJECT NO : 114-6400485 MODIFIED BY : GWP DATE MODIFIED : 08/10/2010	
		ACAD File : EHLGW Oct09.dwg	

LEGEND

- MW-1 Existing Monitor Well Location and Designation
- SVE-1 Soil Vapor Extraction Location and Designation
- SP-2 Sparge Well Location and Designation
- RW-1 Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Total Volatile Petroleum Hydrocarbons (TPH-GRO)	Total Extractable Petroleum Hydrocarbons (TPH-DRO)
(µg/L)		B	T	E	X	TPH-G	TPH-D
(mg/L)							

µg/L = micrograms per liter
mg/L = milligrams per liter



FIGURE 3a : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
APRIL 2009

ConocoPhillips

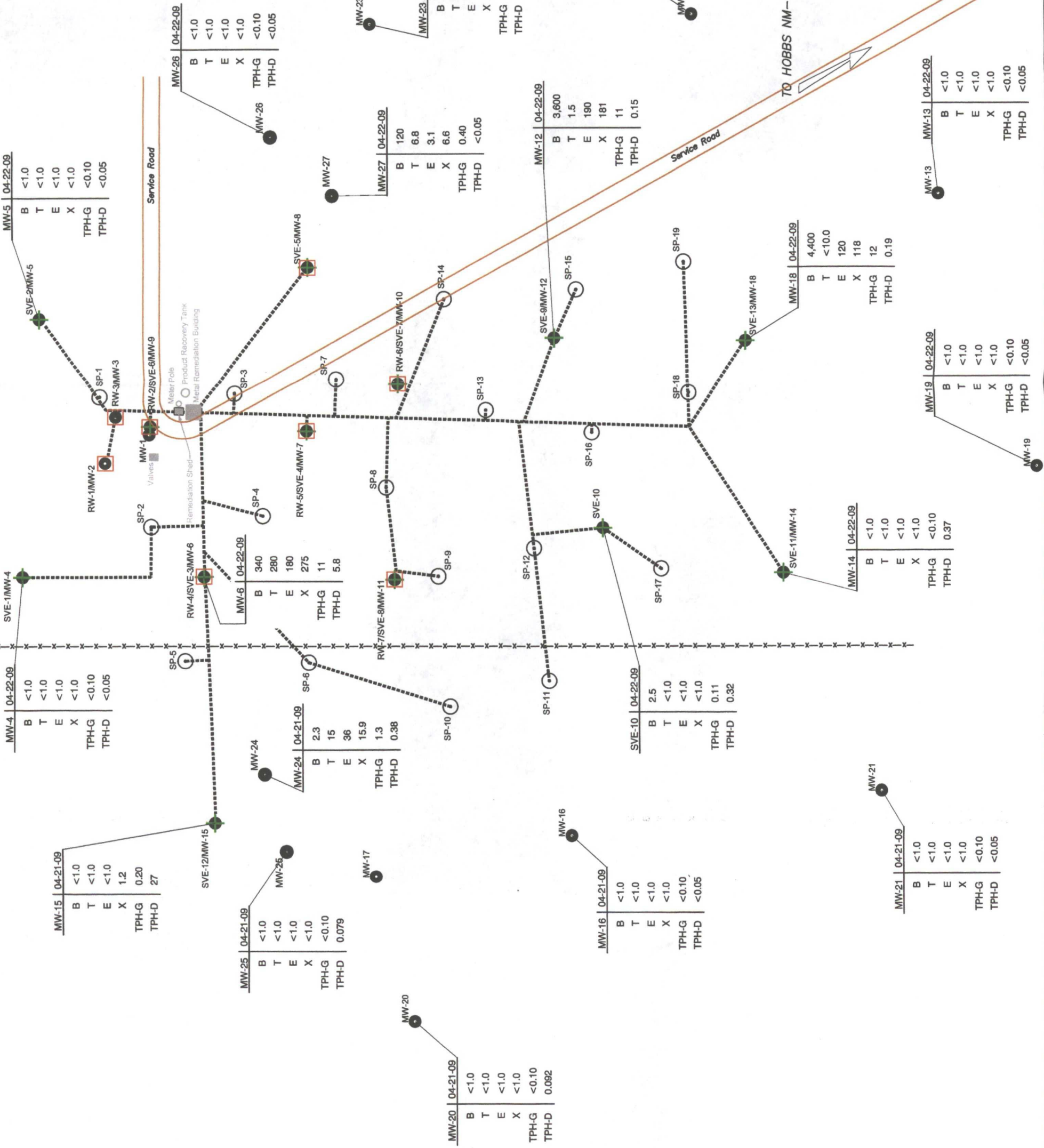


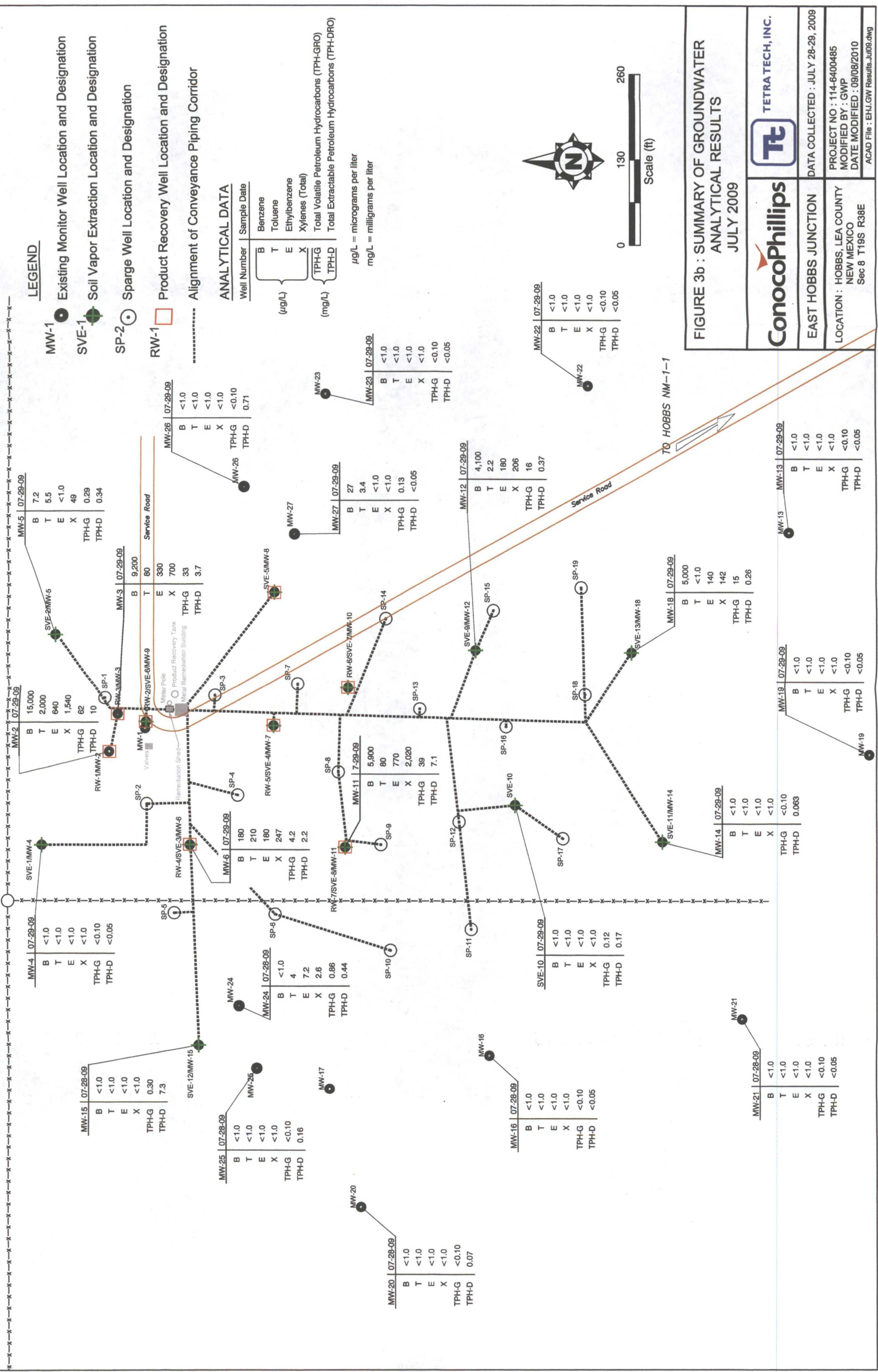
EAST HOBBS JUNCTION

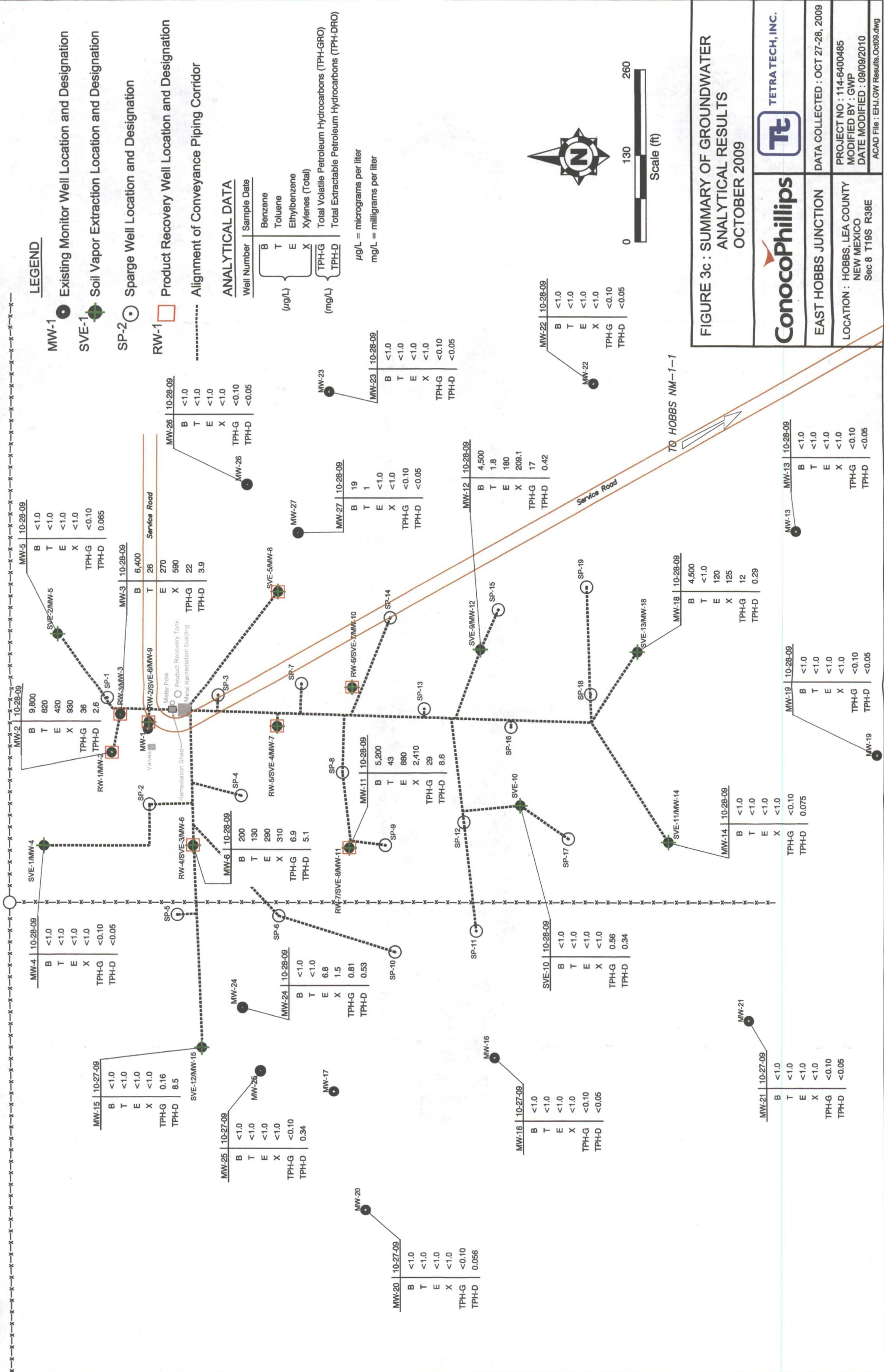
DATA COLLECTED : APR 21-22, 2009

LOCATION : HOBBS, LEA COUNTY
NEW MEXICO
Sec 8 T19S R38E

PROJECT NO : 114-6400485
MODIFIED BY : GWP
DATE MODIFIED : 09/02/2010
ACAD File : EHJ.GW Results.Apr09.dwg







LEGEND

- MW-1 Existing Monitor Well Location and Designation
- SVE-1 Soil Vapor Extraction Location and Designation
- SP-2 Sparge Well Location and Designation
- RW-1 Product Recovery Well Location and Designation

Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Total Volatile Petroleum Hydrocarbons (TPH-GRO)	Total Extractable Petroleum Hydrocarbons (TPH-DRO)
		B	T	E	X	TPH-G	TPH-D
		(µg/L)				(mg/L)	

µg/L = micrograms per liter
mg/L = milligrams per liter



FIGURE 3d : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS JANUARY 2010



TETRA TECH, INC.

EAST HOBBS JUNCTION

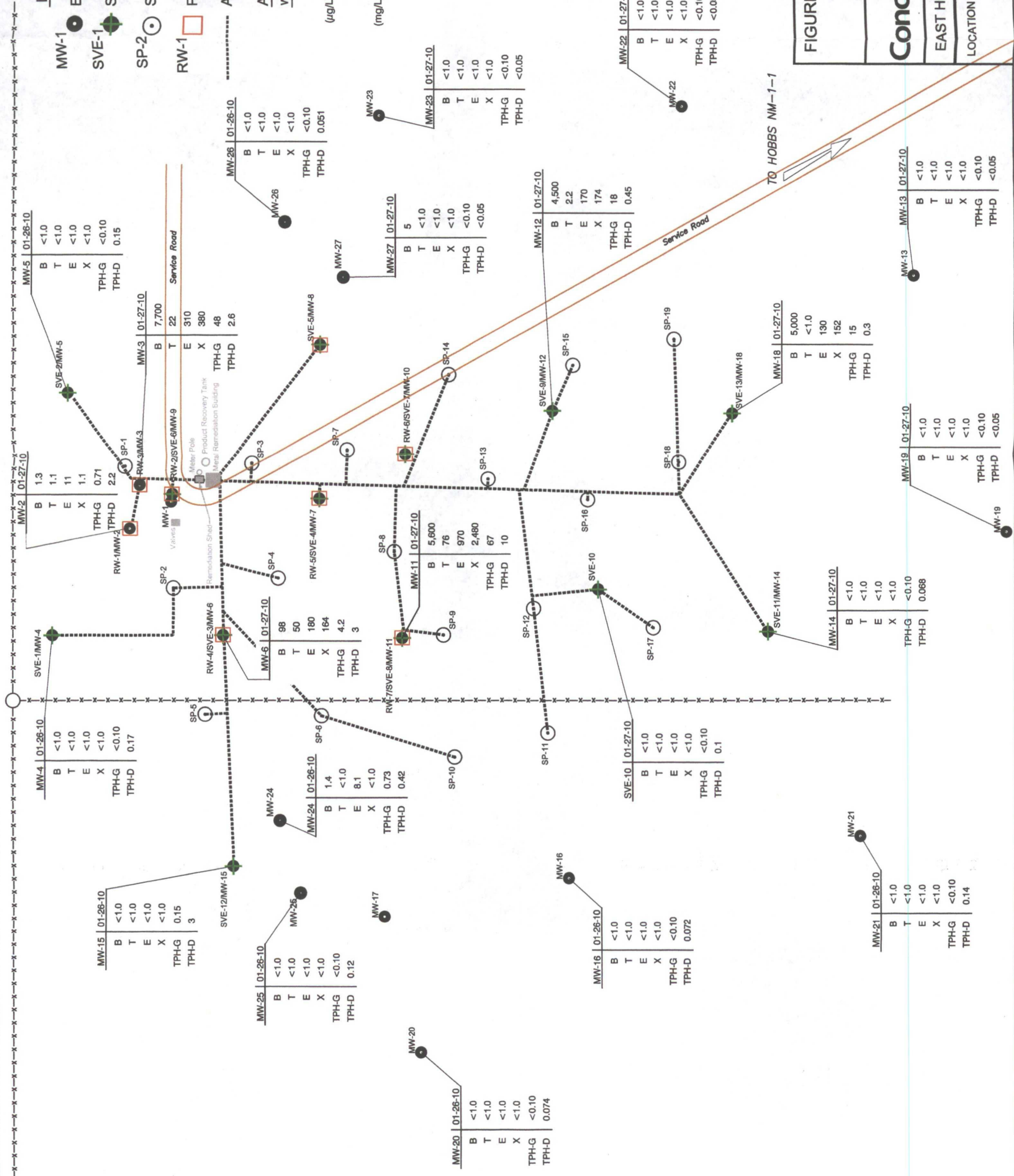
DATA COLLECTED : JAN 26-27, 2010

LOCATION : HOBBS, LEA COUNTY NEW MEXICO

PROJECT NO : 114-6400485
MODIFIED BY : GWP
DATE MODIFIED : 09/09/2010

Sec 8 T19S R38E

ACAD File : EHL.GW Results.Jan10.dwg



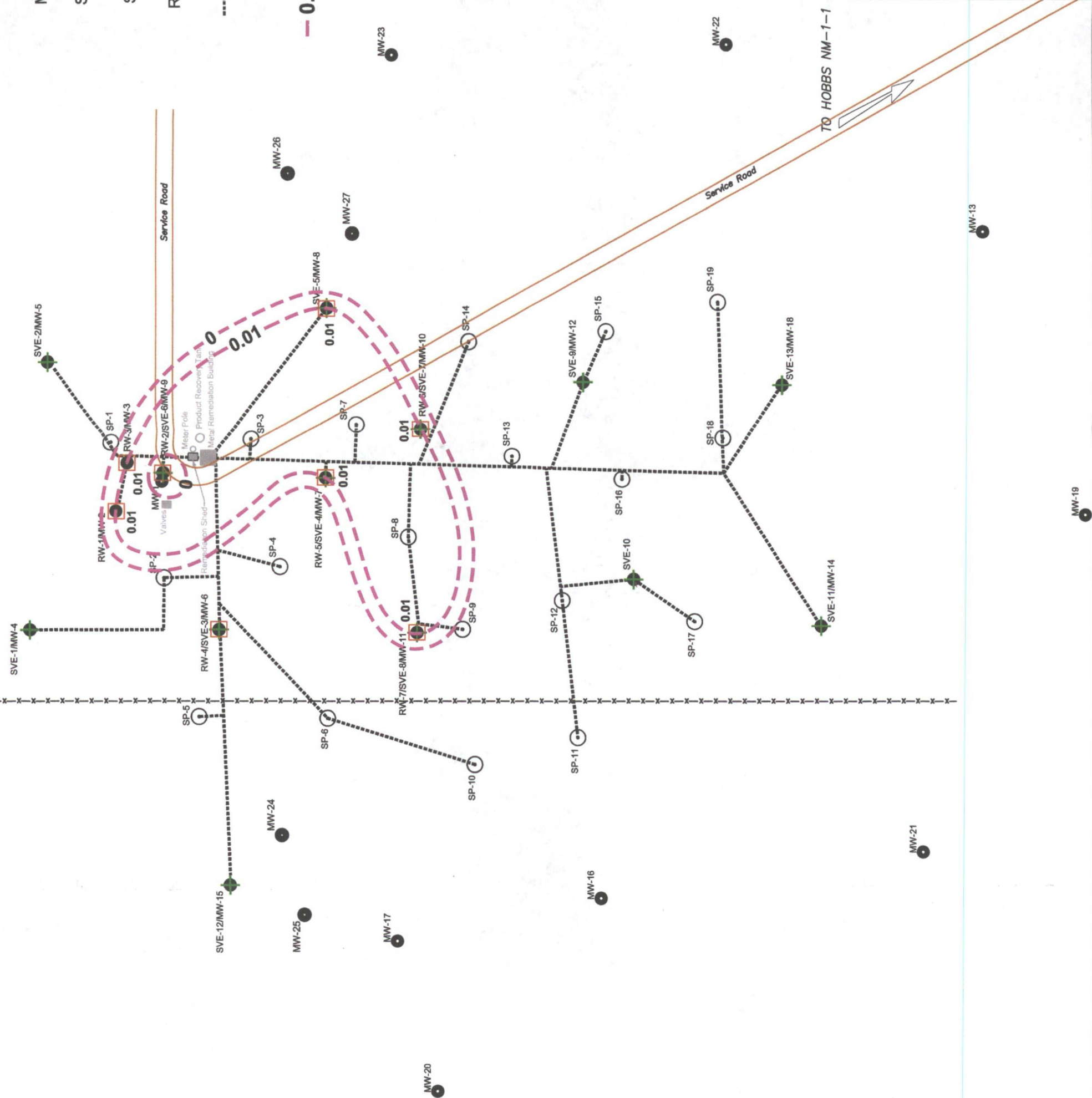
LEGEND

- MW-1 Existing Monitor Well Location and Designation
- SVE-1 Soil Vapor Extraction Location and Designation
- SP-2 Sparge Well Location and Designation
- RW-1 Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor
- (0.01) LPH Thickness (feet)
- 0.01 - LPH Thickness Contour



FIGURE 4a : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP
APRIL 2009

 		TETRA TECH, INC.	
EAST HOBBS JUNCTION		DATA COLLECTED : APRIL 20, 2009	
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E		PROJECT NO : 114-8400485 MODIFIED BY : GWP DATE MODIFIED : 09/09/2010 ACAD File : EHJLPH Apr09.dwg	



LEGEND

- MW-1 Existing Monitor Well Location and Designation
- SVE-1 Soil Vapor Extraction Location and Designation
- SP-2 Sparge Well Location and Designation
- RW-1 Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor

Note: No Measurable LPH in Any Wells

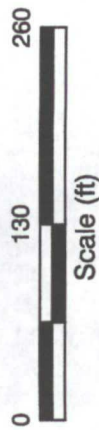
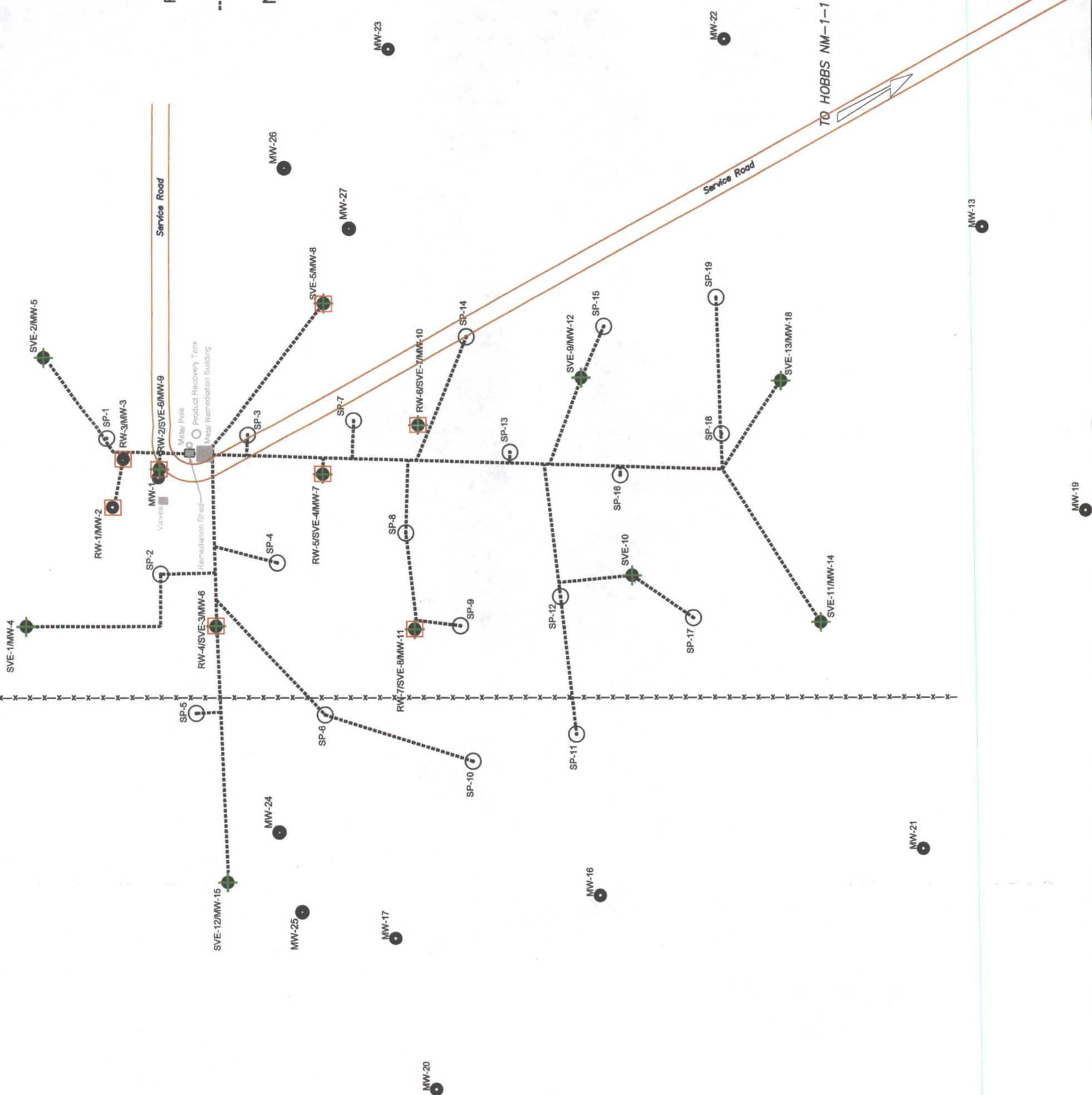


FIGURE 4b : LIQUID PHASE HYDROCARBON
(LPH) THICKNESS CONTOUR MAP
JULY 2009

ConocoPhillips		Tetra Tech, Inc.
EAST HOBBS JUNCTION	DATA COLLECTED : JULY 27, 2009	
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E	PROJECT NO : 114-6400485 MODIFIED BY : GWP DATE MODIFIED : 09/09/2010 ACAD File : EHJLPH Jul09.dwg	





LEGEND

- MW-1 ● Existing Monitor Well Location and Designation
- SVE-1 ● Soil Vapor Extraction Location and Designation
- SP-2 ○ Sparge Well Location and Designation
- RW-1 □ Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor
- (0.01) LPH Thickness (feet)
- 0.01- LPH Thickness Contour

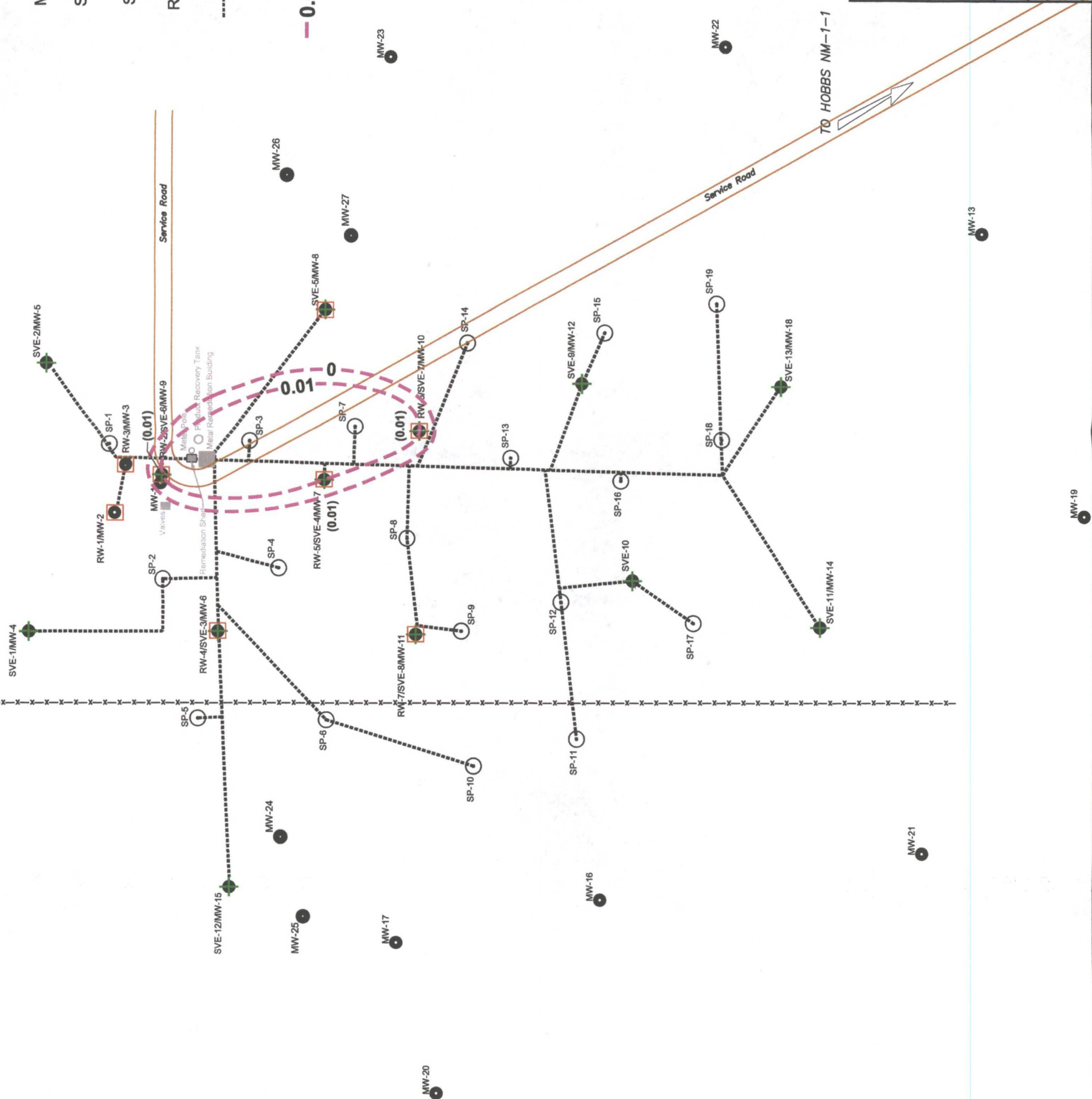


FIGURE 4c : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP
OCTOBER 2009

 		TETRA TECH, INC.	
EAST HOBBS JUNCTION		DATA COLLECTED : OCT 26, 2009	
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E		PROJECT NO : 114-6400485 MODIFIED BY : GWP DATE MODIFIED : 09/13/2010 ACAD File : EHJ.LPH Oct09.dwg	



LEGEND

- MW-1 Existing Monitor Well Location and Designation
- SVE-1 Soil Vapor Extraction Location and Designation
- SP-2 Sparge Well Location and Designation
- RW-1 Product Recovery Well Location and Designation
- Alignment of Conveyance Piping Corridor
- (1.28) LPH Thickness (feet)
- 1- LPH Thickness Contour

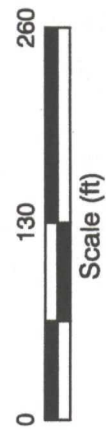
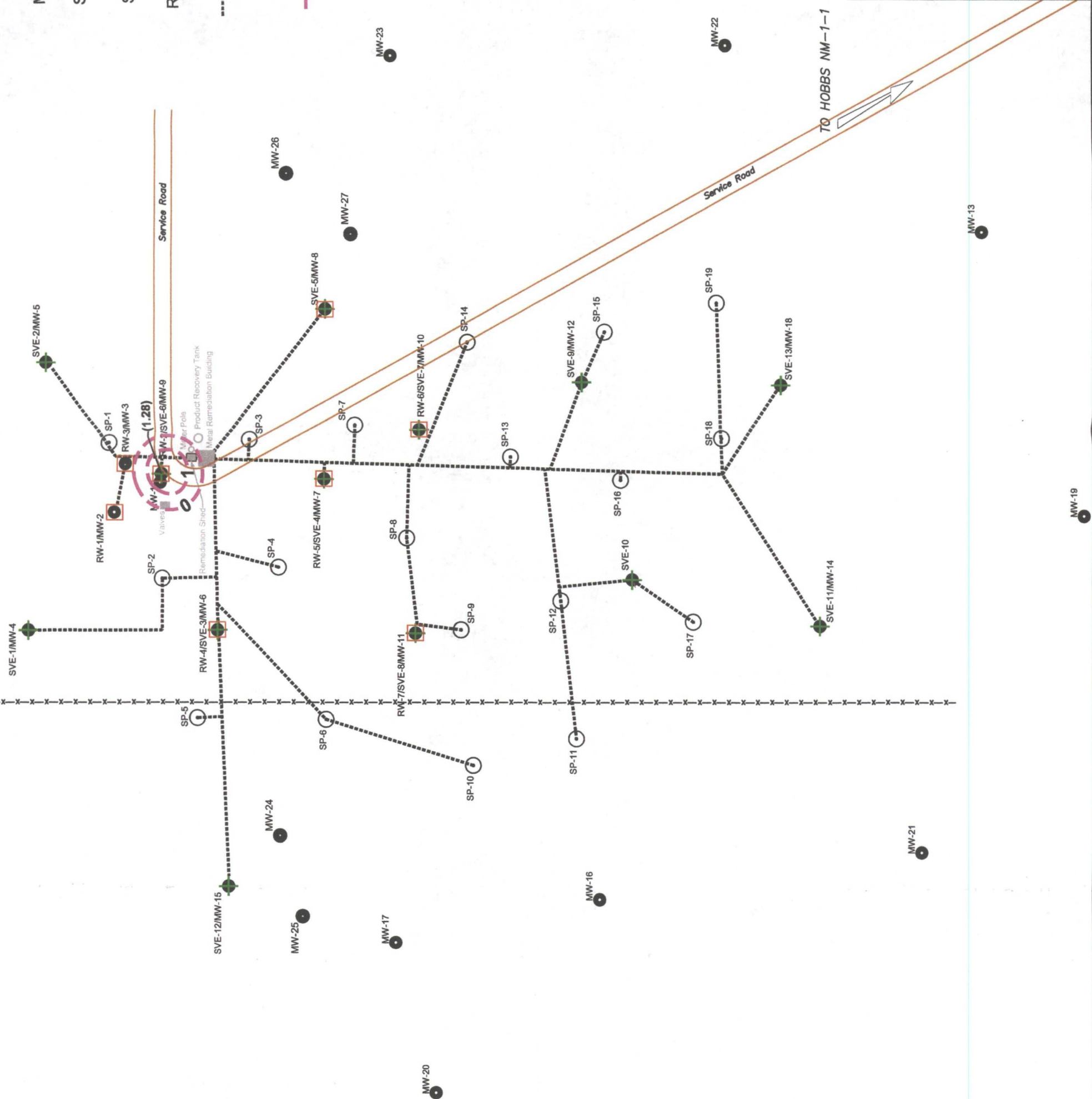


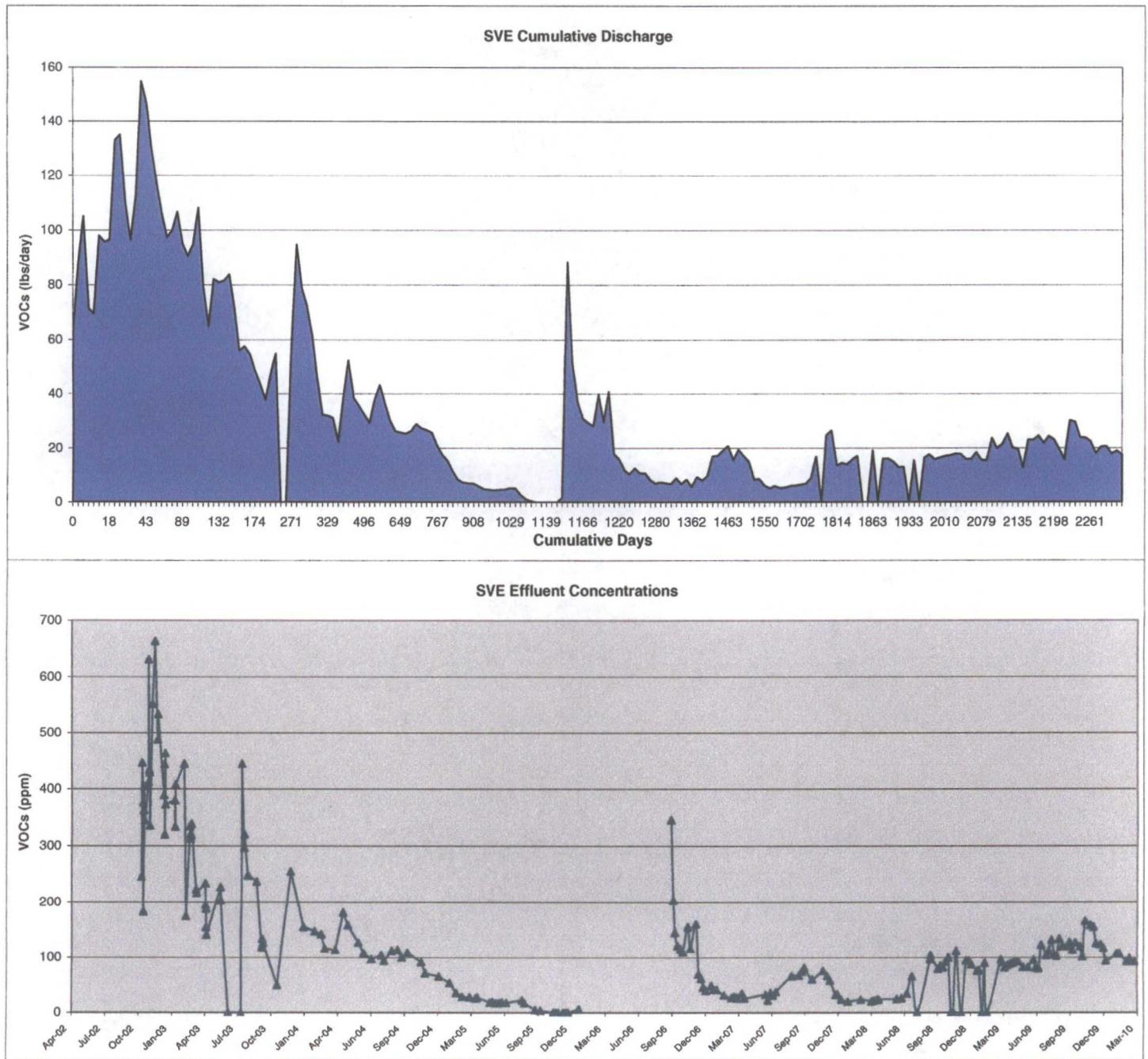
FIGURE 4d : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP
JANUARY 2010

ConocoPhillips TETRA TECH, INC.	
EAST HOBBS JUNCTION	DATA COLLECTED : JAN 25, 2010
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E	PROJECT NO : 114-8400485 MODIFIED BY : GWP DATE MODIFIED : 09/13/2010
ACAD File : EHL.LPH.Jan10.dwg	



MW-19

Figure 5
VOC Emissions Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico



TABLES

Table 1	Water Level Measurements
Table 2a	Summary of Groundwater Analytical Data - Organics
Table 2b	Groundwater Analytical Data - Organics
Table 2c	Groundwater Analytical Data - Inorganics
Table 3	Summary of SVE System Emissions Data
Table 4	SVE Field Data
Table 5	Dissolved Oxygen Field Data



Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1	03/01/01	3606.28	27.14	24.19	2.95	2.36	24.78	3581.50
	06/25/01	3606.28	NM		0.00	0.00		
	09/25/01	3606.28	NM		0.00	0.00		
	12/11/01	3606.28	NM		0.00	0.00		
	05/22/02	3606.28	27.85	25.39	2.46	1.97	25.88	3580.40
	04/18/05	3606.28	24.29		0.00	0.00	24.29	3581.99
	07/18/05	3606.28	24.31		0.00	0.00	24.31	3581.97
	10/17/05	3606.28	24.23		0.00	0.00	24.23	3582.05
	01/23/06	3606.28	24.42		0.00	0.00	24.42	3581.86
	04/24/06	3606.28	24.80	24.80	0.00	0.00	24.80	3581.48
MW-2 (RW-1)	03/01/01	3606.45	26.88	24.29	2.59	2.07	24.81	3581.64
	06/25/01	3606.45	26.67	25.73	0.94	0.75	25.92	3580.53
	09/25/01	3606.45	26.59	26.04	0.55	0.44	26.15	3580.30
	12/11/01	3606.45	28.20	25.73	2.47	1.98	26.22	3580.23
	05/22/02	3606.45	28.00	26.33	1.67	1.34	26.66	3579.79
	11/05/02	3606.45	28.73	24.67	4.06	3.25	25.48	3580.97
	02/25/03	3606.45	29.30	26.55	2.75	2.20	27.10	3579.35
	04/09/03	3606.45	28.41	26.41	2.00	1.60	26.81	3579.64
	06/25/03	3606.45	28.55	26.58	1.97	1.58	26.97	3579.48
	09/11/03	3606.45	28.60	26.62	1.98	1.58	27.02	3579.43
	11/05/03	3606.45	28.74	26.95	1.79	1.43	27.31	3579.14
	01/19/04	3606.45	28.42	27.35	1.07	0.86	27.56	3578.89
	04/20/04	3606.45	28.24	27.47	0.77	0.62	27.62	3578.83
	07/20/04	3606.45	28.97	27.74	1.23	0.98	27.99	3578.46
	10/25/04	3606.45	25.39	25.20	0.19	0.15	25.24	3581.21
	01/24/05	3606.45	25.42		0.00	0.00	25.42	3581.03
	02/14/05	3606.45	25.35		0.00	0.00	25.35	3581.10
	03/02/05	3606.45	25.31		0.00	0.00	25.31	3581.14
	03/08/05	3606.45	25.28		0.00	0.00	25.28	3581.17
	03/23/05	3606.45	25.21		0.00	0.00	25.21	3581.24
	04/18/05	3606.45	25.11	25.10	0.01	0.01	25.10	3581.35
	05/09/05	3606.45	25.12		0.00	0.00	25.12	3581.33
	06/10/05	3606.45	25.08		0.00	0.00	25.08	3581.37
	07/18/05	3606.45	25.10	25.10	0.00	0.00	25.10	3581.35
	10/17/05	3606.45	25.00	24.88	0.12	0.10	24.90	3581.55
	12/28/05	3606.45	25.15		0.00	0.00	25.15	3581.30
	01/10/06	3606.45	25.20	25.19	0.01	0.01	25.19	3581.26
	01/23/06	3606.45	25.21	25.17	0.04	0.03	25.18	3581.27
	04/24/06	3606.45	25.58	25.56	0.02	0.02	25.56	3580.89
	07/24/06	3606.45	25.95	25.91	0.04	0.03	25.92	3580.53
	10/23/06	3606.45	25.79		0.00	0.00	25.79	3580.66
	01/23/07	3606.45	25.83	25.82	0.01	0.01	25.82	3580.63
	04/23/07	3606.45	26.27	26.11	0.16	0.13	26.14	3580.31
	07/23/07	3606.45	26.38	26.25	0.13	0.10	26.28	3580.17
	10/22/07	3606.45	26.38	26.29	0.09	0.07	26.31	3580.14
	01/28/08	3606.45	26.39	26.32	0.07	0.06	26.33	3580.12
	04/21/08	3606.45	26.62	26.54	0.08	0.06	26.56	3579.89
	07/21/08	3606.45	26.91	26.83	0.08	0.06	26.85	3579.60
	10/20/08	3606.45	27.11	27.00	0.11	0.09	27.02	3579.43
	01/19/09	3606.45	27.25		0.00	0.00	27.25	3579.20
	04/20/09	3606.45	27.49	27.48	0.01	0.01	27.48	3578.97
	07/27/09	3606.45	27.78		0.00	0.00	27.78	3578.67
	10/26/09	3606.45	27.95		0.00	0.00	27.95	3578.50
	01/25/10	3606.45	28.16		0.00	0.00	28.16	3578.29
MW-3 (RW-3)	03/01/01	3606.33	26.92	24.19	2.73	2.18	24.74	3581.59
	06/25/01	3606.33	27.01	24.91	2.10	1.68	25.33	3581.00
	09/25/01	3606.33	27.52	25.09	2.43	1.94	25.58	3580.75
	12/11/01	3606.33	27.70	25.29	2.41	1.93	25.77	3580.56
	11/05/02	3606.33	28.14	26.13	2.01	1.61	26.53	3579.80
	02/25/03	3606.33	29.55	26.34	3.21	2.57	26.98	3579.35
	04/09/03	3606.33	29.02	26.24	2.78	2.22	26.80	3579.53
	06/25/03	3606.33	28.06	26.47	1.59	1.27	26.79	3579.54
	09/11/03	3606.33	28.72	26.89	1.83	1.46	27.26	3579.07
	11/05/03	3606.33	28.45	26.85	1.60	1.28	27.17	3579.16
	01/19/04	3606.33	28.86	26.95	1.91	1.53	27.33	3579.00

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-3 (RW-3) cont.	04/20/04	3606.33	28.64	27.19	1.45	1.16	27.48	3578.85
	07/20/04	3606.33	28.53	27.26	1.27	1.02	27.51	3578.82
	10/25/04	3606.33	25.78	25.77	0.01	0.01	25.77	3580.56
	01/24/05	3606.33	24.93	24.91	0.02	0.02	24.91	3581.42
	02/14/05	3606.33	24.83		0.00	0.00	24.83	3581.50
	03/02/05	3606.33	24.78		0.00	0.00	24.78	3581.55
	03/08/05	3606.33	24.76		0.00	0.00	24.76	3581.57
	03/23/05	3606.33	24.69		0.00	0.00	24.69	3581.64
	04/18/05	3606.33	24.56	24.55	0.01	0.01	24.55	3581.78
	05/09/05	3606.33	24.58		0.00	0.00	24.58	3581.75
	06/10/05	3606.33	24.56		0.00	0.00	24.56	3581.77
	07/18/05	3606.33	24.57	24.55	0.02	0.02	24.55	3581.78
	10/17/05	3606.33	24.47		0.00	0.00	24.47	3581.86
	12/28/05	3606.33	24.63		0.00	0.00	24.63	3581.70
	01/10/06	3606.33	24.69		0.00	0.00	24.69	3581.64
	01/23/06	3606.33	24.66	24.47	0.19	0.15	24.51	3581.82
	04/24/06	3606.33	25.10	25.03	0.07	0.06	25.04	3581.29
	07/24/06	3606.33	25.39	25.39	0.00	0.00	25.39	3580.94
	10/23/06	3606.33	25.28	25.28	0.00	0.00	25.28	3581.05
	01/23/07	3606.33	25.32	25.31	0.01	0.01	25.31	3581.02
	04/23/07	3606.33	25.65	25.61	0.04	0.03	25.62	3580.71
	07/23/07	3606.33	25.77	25.74	0.03	0.02	25.75	3580.58
	10/22/07	3606.33	25.78	25.78	0.00	0.00	25.78	3580.55
	01/28/08	3606.33	25.82	25.81	0.01	0.01	25.81	3580.52
	04/21/08	3606.33	26.05		0.00	0.00	26.05	3580.28
	07/21/08	3606.33	26.34		0.00	0.00	26.34	3579.99
	10/20/08	3606.33	26.61		0.00	0.00	26.61	3579.72
	01/19/09	3606.33	26.76	26.75	0.01	0.01	26.75	3579.58
	04/20/09	3606.33	27.00	26.99	0.01	0.01	26.99	3579.34
	07/27/09	3606.33	27.29		0.00	0.00	27.29	3579.04
	10/26/09	3606.33	27.45		0.00	0.00	27.45	3578.88
	01/25/10	3606.33	27.58		0.00	0.00	27.58	3578.75
MW-4 (SVE-1)	03/01/01	3606.69	24.60		0.00	0.00	24.60	3582.09
	06/25/01	3606.69	25.14		0.00	0.00	25.14	3581.55
	09/25/01	3606.69	25.36		0.00	0.00	25.36	3581.33
	12/11/01	3606.69	24.54		0.00	0.00	24.54	3582.15
	05/21/02	3606.69	25.95		0.00	0.00	25.95	3580.74
	06/08/02	3606.69	26.00		0.00	0.00	26.00	3580.69
	06/15/02	3606.69	26.00		0.00	0.00	26.00	3580.69
	10/15/02	3606.37	26.86		0.00	0.00	26.86	3579.51
	10/25/02	3606.37	26.90		0.00	0.00	26.90	3579.47
	10/26/02	3606.37	26.89		0.00	0.00	26.89	3579.48
	11/04/02	3606.37	26.86		0.00	0.00	26.86	3579.51
	11/05/02	3606.37	26.80		0.00	0.00	26.80	3579.57
	12/16/02	3606.37	26.80		0.00	0.00	26.80	3579.57
	01/22/03	3606.37	26.68		0.00	0.00	26.68	3579.69
	02/14/03	3606.37	26.88		0.00	0.00	26.88	3579.49
	02/24/03	3606.37	26.90		0.00	0.00	26.90	3579.47
	04/07/03	3606.37	27.00		0.00	0.00	27.00	3579.37
	04/24/03	3606.37	26.98		0.00	0.00	26.98	3579.39
	07/15/03	3606.37	27.09		0.00	0.00	27.09	3579.28
	09/11/03	3606.37	27.23		0.00	0.00	27.23	3579.14
	10/15/03	3606.37	27.25		0.00	0.00	27.25	3579.12
	01/19/04	3606.37	27.71		0.00	0.00	27.71	3578.66
	04/19/04	3606.37	27.64		0.00	0.00	27.64	3578.73
	07/20/04	3606.37	27.90		0.00	0.00	27.90	3578.47
	10/25/04	3606.37	26.21		0.00	0.00	26.21	3580.16
	01/24/05	3606.37	25.42		0.00	0.00	25.42	3580.95
	04/18/05	3606.37	25.10		0.00	0.00	25.10	3581.27
	07/18/05	3606.37	25.06		0.00	0.00	25.06	3581.31
	10/17/05	3606.37	24.90		0.00	0.00	24.90	3581.47
	01/23/06	3606.37	25.11		0.00	0.00	25.11	3581.26
	04/24/06	3606.37	25.47		0.00	0.00	25.47	3580.90
	07/24/06	3606.37	25.82		0.00	0.00	25.82	3580.55
	10/23/06	3606.37	25.69		0.00	0.00	25.69	3580.68

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-4 (SVE-1) cont.	01/23/07	3606.37	25.76		0.00	0.00	25.76	3580.61
	04/23/07	3606.37	26.05		0.00	0.00	26.05	3580.32
	07/23/07	3606.37	26.18		0.00	0.00	26.18	3580.19
	10/22/07	3606.37	26.25		0.00	0.00	26.25	3580.12
	01/28/08	3606.37	26.28		0.00	0.00	26.28	3580.09
	04/21/08	3606.37	26.47		0.00	0.00	26.47	3579.90
	07/21/08	3606.37	26.74		0.00	0.00	26.74	3579.63
	10/20/08	3606.37	27.15		0.00	0.00	27.15	3579.22
	01/19/09	3606.37	27.27		0.00	0.00	27.27	3579.10
	04/20/09	3606.37	27.50		0.00	0.00	27.50	3578.87
	07/27/09	3606.37	27.80		0.00	0.00	27.80	3578.57
MW-5 (SVE-2)	10/26/09	3606.37	27.94		0.00	0.00	27.94	3578.43
	01/25/10	3606.37	28.12		0.00	0.00	28.12	3578.25
	03/01/01	3605.52	24.03		0.00	0.00	24.03	3581.49
	06/25/01	3605.52	24.23		0.00	0.00	24.23	3581.29
	09/25/01	3605.52	24.48		0.00	0.00	24.48	3581.04
	12/11/01	3605.52	24.68		0.00	0.00	24.68	3580.84
	05/21/02	3605.52	25.12		0.00	0.00	25.12	3580.40
	06/08/02	3605.52	25.13		0.00	0.00	25.13	3580.39
	06/15/02	3605.52	25.13		0.00	0.00	25.13	3580.39
	10/15/02	3604.90	26.20		0.00	0.00	26.20	3578.70
	10/25/02	3604.90	26.19		0.00	0.00	26.19	3578.71
	10/26/02	3604.90	26.21		0.00	0.00	26.21	3578.69
	11/04/02	3604.90	26.08		0.00	0.00	26.08	3578.82
	11/05/02	3604.90	26.02		0.00	0.00	26.02	3578.88
	12/16/02	3604.90	26.06		0.00	0.00	26.06	3578.84
	01/22/03	3604.90	25.81		0.00	0.00	25.81	3579.09
	02/08/03	3604.90	25.91		0.00	0.00	25.91	3578.99
	02/14/03	3604.90	25.89		0.00	0.00	25.89	3579.01
	02/24/03	3604.90	25.96		0.00	0.00	25.96	3578.94
	04/07/03	3604.90	26.06		0.00	0.00	26.06	3578.84
	04/24/03	3604.90	26.05		0.00	0.00	26.05	3578.85
	07/15/03	3604.90	26.38		0.00	0.00	26.38	3578.52
	09/11/03	3604.90	26.43		0.00	0.00	26.43	3578.47
	10/15/03	3604.90	26.70		0.00	0.00	26.70	3578.20
	01/19/04	3604.90	27.06		0.00	0.00	27.06	3577.84
	04/19/04	3604.90	26.93		0.00	0.00	26.93	3577.97
	07/20/04	3604.90	27.17		0.00	0.00	27.17	3577.73
	10/25/04	3604.90	25.22		0.00	0.00	25.22	3579.68
	01/24/05	3604.90	24.52		0.00	0.00	24.52	3580.38
	04/18/05	3604.90	24.11		0.00	0.00	24.11	3580.79
	07/18/05	3604.90	24.18		0.00	0.00	24.18	3580.72
	10/17/05	3604.90	24.00		0.00	0.00	24.00	3580.90
	01/23/06	3604.90	24.24		0.00	0.00	24.24	3580.66
	04/24/06	3604.90	24.66		0.00	0.00	24.66	3580.24
	07/24/06	3604.90	25.03		0.00	0.00	25.03	3579.87
	10/23/06	3604.90	24.91		0.00	0.00	24.91	3579.99
	01/23/07	3604.90	24.90		0.00	0.00	24.90	3580.00
	04/23/07	3604.90	25.22		0.00	0.00	25.22	3579.68
	07/23/07	3604.90	25.35		0.00	0.00	25.35	3579.55
	10/22/07	3604.90	25.35		0.00	0.00	25.35	3579.55
	01/28/08	3604.90	25.38		0.00	0.00	25.38	3579.52
	04/21/08	3604.90	25.64		0.00	0.00	25.64	3579.26
	07/21/08	3604.90	25.95		0.00	0.00	25.95	3578.95
	10/20/08	3604.90	26.21		0.00	0.00	26.21	3578.69
	01/19/09	3604.90	25.23		0.00	0.00	25.23	3579.67
	04/20/09	3604.90	26.59		0.00	0.00	26.59	3578.31
	07/27/09	3604.90	26.78		0.00	0.00	26.78	3578.12
	10/26/09	3604.90	23.92		0.00	0.00	23.92	3580.98
	01/25/10	3604.90	27.22		0.00	0.00	27.22	3577.68
MW-6 (RW-4)	03/01/01	3606.14	25.54	24.51	1.03	0.82	24.72	3581.42
	06/25/01	3606.14	26.88	24.42	2.46	1.97	24.91	3581.23
	09/25/01	3606.14	25.96	25.93	0.03	0.02	25.94	3580.20
	12/11/01	3606.14	27.64	25.66	1.98	1.58	26.06	3580.08
	06/25/03	3606.14	28.31	26.78	1.53	1.22	27.09	3579.05

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-6 (RW-4) cont.	09/11/03	3606.14	28.46	26.83	1.63	1.30	27.16	3578.98
	11/05/03	3606.14	28.02	27.19	0.83	0.66	27.36	3578.78
	01/19/04	3606.14	28.41	27.36	1.05	0.84	27.57	3578.57
	04/20/04	3606.14	27.96	27.63	0.33	0.26	27.70	3578.44
	07/20/04	3606.14	28.38	28.01	0.37	0.30	28.08	3578.06
	10/25/04	3606.14	26.22	26.21	0.01	0.01	26.21	3579.93
	01/24/05	3606.14	25.17		0.00	0.00	25.17	3580.97
	02/14/05	3606.14	25.11		0.00	0.00	25.11	3581.03
	03/02/05	3606.14	25.06	25.05	0.01	0.01	25.05	3581.09
	03/08/05	3606.14	25.02		0.00	0.00	25.02	3581.12
	03/23/05	3606.14	24.97		0.00	0.00	24.97	3581.17
	04/18/05	3606.14	24.86		0.00	0.00	24.86	3581.28
	05/09/05	3606.14	24.87		0.00	0.00	24.87	3581.27
	06/10/05	3606.14	24.83		0.00	0.00	24.83	3581.31
	07/18/05	3606.14	24.84		0.00	0.00	24.84	3581.30
	10/17/05	3606.14	24.75		0.00	0.00	24.75	3581.39
	12/28/05	3606.14	24.90		0.00	0.00	24.90	3581.24
	01/10/06	3606.14	24.96		0.00	0.00	24.96	3581.18
	01/23/06	3606.14	24.94		0.00	0.00	24.94	3581.20
	04/24/06	3606.14	25.31	25.31	0.00	0.00	25.31	3580.83
	07/24/06	3606.14	25.66	25.66	0.00	0.00	25.66	3580.48
	10/22/06	3606.14	25.54	25.54	0.00	0.00	25.54	3580.60
	01/23/07	3606.14	25.60	25.60	0.00	0.00	25.60	3580.54
	04/23/07	3606.14	25.88		0.00	0.00	25.88	3580.26
	07/23/07	3606.17	26.02	26.02	0.00	0.00	26.02	3580.15
	10/22/07	3606.17	26.07	26.07	0.00	0.00	26.07	3580.10
	01/28/08	3606.17	26.11	26.10	0.01	0.01	26.10	3580.07
	04/21/08	3606.17	26.32		0.00	0.00	26.32	3579.85
	07/21/08	3606.17	26.60		0.00	0.00	26.60	3579.57
	10/20/08	3606.17	26.83		0.00	0.00	26.83	3579.34
	01/19/09	3606.17	26.97	26.96	0.01	0.01	26.96	3579.21
	04/20/09	3606.17	27.20		0.00	0.00	27.20	3578.97
	07/27/09	3606.17	27.50		0.00	0.00	27.50	3578.67
	10/26/09	3606.17	27.64		0.00	0.00	27.64	3578.53
	01/25/10	3606.17	27.85		0.00	0.00	27.85	3578.32
MW-7 (RW-5)	03/01/01	3605.50	26.61	23.73	2.88	2.30	24.31	3581.19
	06/25/01	3605.50	25.35	25.30	0.05	0.04	25.31	3580.19
	09/25/01	3605.50	26.05	25.41	0.64	0.51	25.54	3579.96
	05/22/02	3605.50	26.54	25.98	0.56	0.45	26.09	3579.41
	11/05/02	3605.50	28.68	25.44	3.24	2.59	26.09	3579.41
	02/25/03	3605.50	29.56	26.08	3.48	2.78	26.78	3578.72
	04/09/03	3605.50	29.18	26.28	2.90	2.32	26.86	3578.64
	06/25/03	3605.50	28.73	26.72	2.01	1.61	27.12	3578.38
	09/11/03	3605.50	29.08	26.73	2.35	1.88	27.20	3578.30
	11/05/03	3605.50	29.03	27.00	2.03	1.62	27.41	3578.09
	01/19/04	3605.50	29.77	27.00	2.77	2.22	27.55	3577.95
	04/20/04	3605.50	29.55	27.30	2.25	1.80	27.75	3577.75
	07/20/04	3605.50	29.11	27.47	1.64	1.31	27.80	3577.70
	10/25/04	3605.50	25.79	25.16	0.63	0.50	25.29	3580.21
	01/24/05	3605.50	25.12	25.10	0.02	0.02	25.10	3580.40
	02/14/05	3605.50	26.02	24.86	1.16	0.93	25.09	3580.41
	03/02/05	3605.50	26.49	24.62	1.87	1.50	24.99	3580.51
	03/08/05	3605.50	26.41	24.58	1.83	1.46	24.95	3580.55
	03/23/05	3605.50	26.56	24.45	2.11	1.69	24.87	3580.63
	04/18/05	3605.50	25.84	24.58	1.26	1.01	24.83	3580.67
	05/09/05	3605.50	26.14	24.54	1.60	1.28	24.86	3580.64
	06/10/05	3605.50	26.18	24.25	1.93	1.54	24.64	3580.86
	07/18/05	3605.50	25.47	24.75	0.72	0.58	24.89	3580.61
	10/17/05	3605.50	24.79	24.78	0.01	0.01	24.78	3580.72
	11/29/05	3605.50	24.94		0.00	0.00	24.94	3580.56
	12/06/05	3605.50	24.88	24.87	0.01	0.01	24.87	3580.63
	12/12/05	3605.50	24.92	24.91	0.01	0.01	24.91	3580.59
	12/21/05	3605.50	24.94		0.00	0.00	24.94	3580.56
	12/28/05	3605.50	24.95		0.00	0.00	24.95	3580.55
	01/04/06	3605.50	25.01		0.00	0.00	25.01	3580.49

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 (RW-5) cont.	01/10/06	3605.50	25.01		0.00	0.00	25.01	3580.49
	01/16/06	3605.50	25.04	25.03	0.01	0.01	25.03	3580.47
	01/23/06	3605.50	25.01	24.99	0.02	0.02	24.99	3580.51
	02/01/06	3605.50	25.12	25.11	0.01	0.01	25.11	3580.39
	02/16/06	3605.50	25.19	25.18	0.01	0.01	25.18	3580.32
	03/06/06	3605.50	25.27	25.25	0.02	0.02	25.25	3580.25
	03/29/06	3605.50	25.34	25.33	0.01	0.01	25.33	3580.17
	04/04/06	3605.50	25.37	25.36	0.01	0.01	25.36	3580.14
	04/11/06	3605.50	25.42	25.41	0.01	0.01	25.41	3580.09
	04/17/06	3605.50	25.44	25.42	0.02	0.02	25.42	3580.08
	04/24/06	3605.50	25.39	25.36	0.03	0.02	25.37	3580.13
	05/03/06	3605.50	25.51	25.49	0.02	0.02	25.49	3580.01
	05/31/06	3605.50	25.65	25.62	0.03	0.02	25.63	3579.87
	06/09/06	3605.50	25.71	25.66	0.05	0.04	25.67	3579.83
	06/12/06	3605.50	25.73	25.67	0.06	0.05	25.68	3579.82
	06/26/06	3605.50	25.84	25.74	0.10	0.08	25.76	3579.74
	07/05/06	3605.50	25.91	25.81	0.10	0.08	25.83	3579.67
	07/10/06	3605.50	25.92	25.61	0.31	0.25	25.67	3579.83
	07/17/06	3605.50	25.88	25.86	0.02	0.02	25.86	3579.64
	07/24/06	3605.50	25.79	25.75	0.04	0.03	25.76	3579.74
	08/02/06	3605.50	25.94	25.93	0.01	0.01	25.93	3579.57
	08/14/06	3605.50	25.99	25.96	0.03	0.02	25.97	3579.53
	08/28/06	3605.50	26.07	26.02	0.05	0.04	26.03	3579.47
	09/14/06	3605.50	25.92	25.91	0.01	0.01	25.91	3579.59
	09/21/06	3605.50	26.06	25.75	0.31	0.25	25.81	3579.69
	09/25/06	3605.50	26.15	25.76	0.39	0.31	25.84	3579.66
	10/02/06	3605.50	25.89	25.77	0.12	0.10	25.79	3579.71
	10/10/06	3605.50	25.89	25.77	0.12	0.10	25.79	3579.71
	10/16/06	3605.50	25.99	25.78	0.21	0.17	25.82	3579.68
	10/23/06	3605.50	25.80	25.60	0.20	0.16	25.64	3579.86
	10/30/06	3605.50	25.86	24.92	0.94	0.75	25.11	3580.39
	11/06/06	3605.50	26.01	25.73	0.28	0.22	25.79	3579.71
	11/21/06	3605.50	25.93	25.79	0.14	0.11	25.82	3579.68
	11/28/06	3605.50	25.95	25.74	0.21	0.17	25.78	3579.72
	12/05/06	3605.50	26.04	25.75	0.29	0.23	25.81	3579.69
	12/11/06	3605.50	26.11	25.75	0.36	0.29	25.82	3579.68
	12/18/06	3605.50	26.19	25.75	0.44	0.35	25.84	3579.66
	01/02/07	3605.50	26.16	25.83	0.33	0.26	25.90	3579.60
	01/08/07	3605.50	26.14	25.81	0.33	0.26	25.88	3579.62
	01/23/07	3605.50	26.06	25.61	0.45	0.36	25.70	3579.80
	02/05/07	3605.50	26.36	25.88	0.48	0.38	25.98	3579.52
	02/26/07	3605.50	26.57	25.92	0.65	0.52	26.05	3579.45
	03/05/07	3605.50	26.63	25.96	0.67	0.54	26.09	3579.41
	03/13/07	3605.50	26.37	26.02	0.35	0.28	26.09	3579.41
	03/19/07	3605.50	26.41	26.03	0.38	0.30	26.11	3579.39
	03/26/07	3605.50	26.48	26.06	0.42	0.34	26.14	3579.36
	04/02/07	3605.50	26.48	26.08	0.40	0.32	26.16	3579.34
	04/23/07	3605.50	26.43	25.92	0.51	0.41	26.02	3579.48
	05/01/07	3605.50	26.55	26.20	0.35	0.28	26.27	3579.23
	05/29/07	3605.50	26.59	26.21	0.38	0.30	26.29	3579.21
	06/04/07	3605.50	26.89	26.21	0.68	0.54	26.35	3579.15
	06/11/07	3605.50	26.61	26.23	0.38	0.30	26.31	3579.19
	06/18/07	3605.50	26.61	26.24	0.37	0.30	26.31	3579.19
	06/26/07	3605.50	26.39	26.00	0.39	0.31	26.08	3579.42
	07/09/07	3605.50	26.42	26.04	0.38	0.30	26.12	3579.38
	07/17/07	3605.50	26.35	26.04	0.31	0.25	26.10	3579.40
	07/23/07	3605.50	26.42	26.05	0.37	0.30	26.12	3579.38
	07/30/07	3605.50	26.31	26.07	0.24	0.19	26.12	3579.38
	08/07/07	3605.50	26.37	26.07	0.30	0.24	26.13	3579.37
	08/20/07	3605.50	26.41	26.10	0.31	0.25	26.16	3579.34
	08/27/07	3605.50	26.44	26.11	0.33	0.26	26.18	3579.32
	09/04/07	3605.50	26.43	26.12	0.31	0.25	26.18	3579.32
	09/10/07	3605.50	26.47	26.12	0.35	0.28	26.19	3579.31
	09/25/07	3605.50	26.43	26.21	0.22	0.18	26.25	3579.25
	10/02/07	3605.50	26.32	26.17	0.15	0.12	26.20	3579.30

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 (RW-5) cont.	10/11/07	3605.50	26.34	26.20	0.14	0.11	26.23	3579.27
	10/22/07	3605.50	26.28	26.06	0.22	0.18	26.10	3579.40
	10/31/07	3605.50	26.27	26.14	0.13	0.10	26.17	3579.33
	11/12/07	3605.50	26.30	26.14	0.16	0.13	26.17	3579.33
	11/19/07	3605.50	26.33	26.14	0.19	0.15	26.18	3579.32
	12/05/07	3605.50	26.35	26.16	0.19	0.15	26.20	3579.30
	12/10/07	3605.50	26.35	26.16	0.19	0.15	26.20	3579.30
	12/20/07	3605.50	26.40	26.21	0.19	0.15	26.25	3579.25
	01/02/08	3605.50	26.47	26.29	0.18	0.14	26.33	3579.17
	01/07/08	3605.50	26.53	26.26	0.27	0.22	26.31	3579.19
	01/28/08	3605.50	26.37	26.14	0.23	0.18	26.19	3579.31
	02/12/08	3605.50	26.51	26.39	0.12	0.10	26.41	3579.09
	02/26/08	3605.50	26.54	26.43	0.11	0.09	26.45	3579.05
	04/21/08	3605.50	26.46	26.38	0.08	0.06	26.40	3579.10
	04/28/08	3605.50	26.63	26.61	0.02	0.02	26.61	3578.89
	05/20/08	3605.50	26.70	26.66	0.04	0.03	26.67	3578.83
	06/02/08	3605.50	26.73	26.70	0.03	0.02	26.71	3578.79
	06/09/08	3605.50	26.83	26.77	0.06	0.05	26.78	3578.72
	06/16/08	3605.50	26.78	26.75	0.03	0.02	26.76	3578.74
	06/30/08	3605.50	26.84	26.82	0.02	0.02	26.82	3578.68
	07/14/08	3605.50	26.90	26.88	0.02	0.02	26.88	3578.62
	07/21/08	3605.50	26.72	26.69	0.03	0.02	26.70	3578.80
	08/06/08	3605.50	27.02	26.96	0.06	0.05	26.97	3578.53
	08/18/08	3605.50	27.06	27.02	0.04	0.03	27.03	3578.47
	09/09/08	3605.50	27.06		0.00	0.00	27.06	3578.44
	09/15/08	3605.50	27.08		0.00	0.00	27.08	3578.42
	09/22/08	3605.50	27.11		0.00	0.00	27.11	3578.39
	09/29/08	3605.50	27.15		0.00	0.00	27.15	3578.35
	10/07/08	3605.50	27.20		0.00	0.00	27.20	3578.30
	10/20/08	3605.50	26.92		0.00	0.00	26.92	3578.58
	10/28/08	3605.50	27.22		0.00	0.00	27.22	3578.28
	11/07/08	3605.50	27.23		0.00	0.00	27.23	3578.27
	11/24/08	3605.50	27.22		0.00	0.00	27.22	3578.28
	12/01/08	3605.50	27.23		0.00	0.00	27.23	3578.27
	12/08/08	3605.50	27.24		0.00	0.00	27.24	3578.26
	12/24/08	3605.50	27.28		0.00	0.00	27.28	3578.22
	12/29/08	3605.50	27.29		0.00	0.00	27.29	3578.21
	01/06/09	3605.50	27.34		0.00	0.00	27.34	3578.16
	01/14/09	3605.50	27.29		0.00	0.00	27.29	3578.21
	01/19/09	3605.50	27.03	27.02	0.01	0.01	27.02	3578.48
	01/26/09	3605.50	27.37		0.00	0.00	27.37	3578.13
	02/10/09	3605.50	27.41		0.00	0.00	27.41	3578.09
	02/26/09	3605.50	27.43		0.00	0.00	27.43	3578.07
	03/02/09	3605.50	27.41		0.00	0.00	27.41	3578.09
	03/09/09	3605.50	27.45		0.00	0.00	27.45	3578.05
	03/16/09	3605.50	27.46		0.00	0.00	27.46	3578.04
	03/24/09	3605.50	27.50		0.00	0.00	27.50	3578.00
	03/30/09	3605.50	27.46		0.00	0.00	27.46	3578.04
	04/06/09	3605.50	27.50		0.00	0.00	27.50	3578.00
	04/14/09	3605.50	27.48		0.00	0.00	27.48	3578.02
	04/20/09	3605.50	27.29	27.28	0.01	0.01	27.28	3578.22
	04/28/09	3605.50	27.50		0.00	0.00	27.50	3578.00
	05/11/09	3605.50	27.54		0.00	0.00	27.54	3577.96
	05/26/09	3605.50	27.56		0.00	0.00	27.56	3577.94
	06/01/09	3605.50	27.60		0.00	0.00	27.60	3577.90
	06/09/09	3605.50	27.58		0.00	0.00	27.58	3577.92
	06/15/09	3605.50	27.65		0.00	0.00	27.65	3577.85
	06/29/09	3605.50	27.63		0.00	0.00	27.63	3577.87
	07/06/09	3605.50	27.68		0.00	0.00	27.68	3577.82
	07/14/09	3605.50	27.71		0.00	0.00	27.71	3577.79
	07/20/09	3605.50	27.55		0.00	0.00	27.55	3577.95
	07/27/09	3605.50	27.60		0.00	0.00	27.60	3577.90
	08/03/09	3605.50	27.79		0.00	0.00	27.79	3577.71
	08/12/09	3605.50	27.79		0.00	0.00	27.79	3577.71
	08/24/09	3605.50	27.79		0.00	0.00	27.79	3577.71

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 (RW-5) cont.	08/31/09	3605.50	27.80		0.00	0.00	27.80	3577.70
	09/08/09	3605.50	27.75		0.00	0.00	27.75	3577.75
	09/16/09	3605.50	27.80		0.00	0.00	27.80	3577.70
	09/28/09	3605.50	27.78		0.00	0.00	27.78	3577.72
	10/05/09	3605.50	27.82		0.00	0.00	27.82	3577.68
	10/12/09	3605.50	27.85		0.00	0.00	27.85	3577.65
	10/26/09	3605.50	27.73	27.72	0.01	0.01	27.72	3577.78
	11/03/09	3605.50	27.93		0.00	0.00	27.93	3577.57
	11/10/09	3605.50	27.88		0.00	0.00	27.88	3577.62
	11/23/09	3605.50	27.90		0.00	0.00	27.90	3577.60
	11/30/09	3605.50	27.94		0.00	0.00	27.94	3577.56
	12/07/09	3605.50	29.93		0.00	0.00	29.93	3575.57
	12/22/09	3605.50	28.00		0.00	0.00	28.00	3577.50
	01/04/10	3605.50	28.00		0.00	0.00	28.00	3577.50
	01/11/10	3605.50	28.05		0.00	0.00	28.05	3577.45
	01/18/10	3605.50	28.02		0.00	0.00	28.02	3577.48
	01/25/10	3605.50	27.95		0.00	0.00	27.95	3577.55
	02/01/10	3605.50	28.06		0.00	0.00	28.06	3577.44
	02/08/10	3605.50	28.10		0.00	0.00	28.10	3577.40
	02/22/10	3605.50	28.09		0.00	0.00	28.09	3577.41
	03/01/10	3605.50	28.19		0.00	0.00	28.19	3577.31
MW-8 (SVE-5)	03/08/10	3605.50	28.25		0.00	0.00	28.25	3577.25
	03/22/10	3605.50	28.29		0.00	0.00	28.29	3577.21
	03/29/10	3605.50	28.30		0.00	0.00	28.30	3577.20
	03/01/01	3605.25	24.29		0.00	0.00	24.29	3580.96
	06/25/01	3605.25	25.54		0.00	0.00	25.54	3579.71
	09/25/01	3605.25	24.82		0.00	0.00	24.82	3580.43
	12/11/01	3605.25	25.03		0.00	0.00	25.03	3580.22
	05/21/02	3605.25	25.40		0.00	0.00	25.40	3579.85
	06/08/02	3605.25	25.45		0.00	0.00	25.45	3579.80
	06/15/02	3605.25	25.47		0.00	0.00	25.47	3579.78
	10/15/02	3604.92	26.25		0.00	0.00	26.25	3578.67
	10/25/02	3604.92	26.26		0.00	0.00	26.26	3578.66
	10/26/02	3604.92	26.25		0.00	0.00	26.25	3578.67
	11/04/02	3604.92	26.00		0.00	0.00	26.00	3578.92
	11/05/02	3604.92	25.99		0.00	0.00	25.99	3578.93
	12/16/02	3604.92	25.85		0.00	0.00	25.85	3579.07
	02/14/03	3604.92	25.91	25.90	0.01	0.01	25.90	3579.02
	02/24/03	3604.92	26.00	25.95	0.05	0.04	25.96	3578.96
	01/22/03	3604.92	25.70		0.00	0.00	25.70	3579.22
	04/07/03	3604.92	26.11	26.00	0.11	0.09	26.02	3578.90
	04/24/03	3604.92	26.11	26.01	0.10	0.08	26.03	3578.89
	06/25/03	3604.92	26.96	26.39	0.57	0.46	26.50	3578.42
	09/11/03	3604.92	27.13	26.58	0.55	0.44	26.69	3578.23
	11/05/03	3604.92	26.51	26.18	0.33	0.26	26.25	3578.67
	01/19/04	3604.92	27.59	27.00	0.59	0.47	27.12	3577.80
	04/20/04	3604.92	27.56	27.11	0.45	0.36	27.20	3577.72
	07/20/04	3604.92	27.40	27.06	0.34	0.27	27.13	3577.79
	10/25/04	3604.92	26.49	25.33	1.16	0.93	25.56	3579.36
	01/24/05	3604.92	25.16	24.22	0.94	0.75	24.41	3580.51
	02/14/05	3604.92	24.96	23.85	1.11	0.89	24.07	3580.85
	03/02/05	3604.92	24.87	23.78	1.09	0.87	24.00	3580.92
	03/08/05	3604.92	24.84	23.84	1.00	0.80	24.04	3580.88
	03/23/05	3604.92	24.81	23.80	1.01	0.81	24.00	3580.92
	04/18/05	3604.92	24.79	23.89	0.90	0.72	24.07	3580.85
	05/09/05	3604.92	24.59	23.62	0.97	0.78	23.81	3581.11
	06/10/05	3604.92	24.52	23.55	0.97	0.78	23.74	3581.18
	07/18/05	3604.92	24.81	23.99	0.82	0.66	24.15	3580.77
	10/17/05	3604.92	24.72	23.91	0.81	0.65	24.07	3580.85
	12/06/05	3604.92	24.68	23.92	0.76	0.61	24.07	3580.85
	12/12/05	3604.92	24.45	23.83	0.62	0.50	23.95	3580.97
	12/21/05	3604.92	24.86	24.06	0.80	0.64	24.22	3580.70
	12/28/05	3604.92	24.85	24.06	0.79	0.63	24.22	3580.70
	01/04/06	3604.92	24.93	24.14	0.79	0.63	24.30	3580.62
	01/10/06	3604.92	24.93	24.15	0.78	0.62	24.31	3580.61

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8 (SVE-5) cont.	01/16/06	3604.92	24.92	24.17	0.75	0.60	24.32	3580.60
	01/23/06	3604.92	24.96	24.13	0.83	0.66	24.30	3580.62
	02/01/06	3604.92	25.01	24.24	0.77	0.62	24.39	3580.53
	02/16/06	3604.92	25.08	24.32	0.76	0.61	24.47	3580.45
	03/06/06	3604.92	25.17	24.42	0.75	0.60	24.57	3580.35
	03/29/06	3604.92	25.27	24.52	0.75	0.60	24.67	3580.25
	04/04/06	3604.92	25.29	24.56	0.73	0.58	24.71	3580.21
	04/11/06	3604.92	25.34	24.60	0.74	0.59	24.75	3580.17
	04/17/06	3604.92	25.35	24.62	0.73	0.58	24.77	3580.15
	04/24/06	3604.92	25.39	24.55	0.84	0.67	24.72	3580.20
	05/03/06	3604.92	25.45	24.69	0.76	0.61	24.84	3580.08
	05/31/06	3604.92	25.92	24.83	1.09	0.87	25.05	3579.87
	06/09/06	3604.92	25.01	25.00	0.01	0.01	25.00	3579.92
	06/12/06	3604.92	25.04	25.03	0.01	0.01	25.03	3579.89
	06/26/06	3604.92	25.12	25.11	0.01	0.01	25.11	3579.81
	07/05/06	3604.92	25.19	25.18	0.01	0.01	25.18	3579.74
	07/10/06	3604.92	25.20	25.20	0.00	0.00	25.20	3579.72
	07/17/06	3604.92	25.18	25.16	0.02	0.02	25.16	3579.76
	07/24/06	3604.92	25.09	25.04	0.05	0.04	25.05	3579.87
	08/02/06	3604.92	25.28	25.23	0.05	0.04	25.24	3579.68
	08/14/06	3604.92	25.28	25.23	0.05	0.04	25.24	3579.68
	08/28/06	3604.92	25.38	25.33	0.05	0.04	25.34	3579.58
	09/14/06	3604.92	25.26	25.24	0.02	0.02	25.24	3579.68
	09/21/06	3604.92	25.75	25.70	0.05	0.04	25.71	3579.21
	09/25/06	3604.92	25.11	25.11	0.00	0.00	25.11	3579.81
	10/02/06	3604.92	25.82	25.82	0.00	0.00	25.82	3579.10
	10/10/06	3604.92	24.82		0.00	0.00	24.82	3580.10
	10/16/06	3604.92	25.14	25.08	0.06	0.05	25.09	3579.83
	10/23/06	3604.92	24.92	24.89	0.03	0.02	24.90	3580.02
	10/30/06	3604.92	25.01	25.01	0.00	0.00	25.01	3579.91
	11/06/06	3604.92	25.01		0.00	0.00	25.01	3579.91
	11/21/06	3604.92	25.03		0.00	0.00	25.03	3579.89
	11/28/06	3604.92	25.01		0.00	0.00	25.01	3579.91
	12/05/06	3604.92	25.01		0.00	0.00	25.01	3579.91
	12/11/06	3604.92	25.02		0.00	0.00	25.02	3579.90
	12/18/06	3604.92	25.04		0.00	0.00	25.04	3579.88
	01/02/07	3604.92	25.09		0.00	0.00	25.09	3579.83
	01/08/07	3604.92	25.04		0.00	0.00	25.04	3579.88
	01/23/07	3604.92	24.91		0.00	0.00	24.91	3580.01
	02/05/07	3604.92	25.19		0.00	0.00	25.19	3579.73
	02/26/07	3604.92	25.24	25.24	0.00	0.00	25.24	3579.68
	03/05/07	3604.92	25.32	25.32	0.00	0.00	25.32	3579.60
	03/13/07	3604.92	25.35	25.35	0.00	0.00	25.35	3579.57
	03/19/07	3604.92	25.37	25.37	0.00	0.00	25.37	3579.55
	03/26/07	3604.92	25.41	25.41	0.00	0.00	25.41	3579.51
	04/02/07	3604.92	25.42	25.42	0.00	0.00	25.42	3579.50
	04/23/07	3604.92	25.24	25.24	0.00	0.00	25.24	3579.68
	05/01/07	3604.92	25.52	25.52	0.00	0.00	25.52	3579.40
	05/29/07	3604.92	25.54	25.54	0.00	0.00	25.54	3579.38
	06/04/07	3604.92	25.55	25.55	0.00	0.00	25.55	3579.37
	06/11/07	3604.92	25.56		0.00	0.00	25.56	3579.36
	06/18/07	3604.92	25.56		0.00	0.00	25.56	3579.36
	06/26/07	3604.92	25.29		0.00	0.00	25.29	3579.63
	07/09/07	3604.92	25.33		0.00	0.00	25.33	3579.59
	07/17/07	3604.92	25.33		0.00	0.00	25.33	3579.59
	07/23/07	3604.92	25.35	25.35	0.00	0.00	25.35	3579.57
	07/30/07	3604.92	25.34		0.00	0.00	25.34	3579.58
	08/07/07	3604.92	25.35		0.00	0.00	25.35	3579.57
	08/20/07	3604.92	25.37		0.00	0.00	25.37	3579.55
	08/27/07	3604.92	25.40		0.00	0.00	25.40	3579.52
	09/04/07	3604.92	25.41		0.00	0.00	25.41	3579.51
	09/10/07	3604.92	25.46	25.46	0.00	0.00	25.46	3579.46
	09/25/07	3604.92	25.46	25.45	0.01	0.01	25.45	3579.47
	10/02/07	3604.92	25.41	25.41	0.00	0.00	25.41	3579.51
	10/11/07	3604.92	25.41	25.41	0.00	0.00	25.41	3579.51

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8 (SVE-5) cont.	10/22/07	3604.92	25.31	25.30	0.01	0.01	25.30	3579.62
	10/31/07	3604.92	25.36		0.00	0.00	25.36	3579.56
	11/12/07	3604.92	25.33		0.00	0.00	25.33	3579.59
	11/19/07	3604.92	25.35		0.00	0.00	25.35	3579.57
	12/05/07	3604.92	25.38		0.00	0.00	25.38	3579.54
	12/10/07	3604.92	25.44		0.00	0.00	25.44	3579.48
	12/20/07	3604.92	25.44		0.00	0.00	25.44	3579.48
	01/02/08	3604.92	25.51		0.00	0.00	25.51	3579.41
	01/07/08	3604.92	25.50		0.00	0.00	25.50	3579.42
	01/28/08	3604.92	25.40	25.39	0.01	0.01	25.39	3579.53
	02/12/08	3604.92	25.65	25.65	0.00	0.00	25.65	3579.27
	02/26/08	3604.92	25.70	25.70	0.00	0.00	25.70	3579.22
	04/21/08	3604.92	25.66	25.65	0.01	0.01	25.65	3579.27
	04/28/08	3604.92	25.84		0.00	0.00	25.84	3579.08
	05/20/08	3604.92	25.94		0.00	0.00	25.94	3578.98
	06/02/08	3604.92	25.99		0.00	0.00	25.99	3578.93
	06/09/08	3604.92	26.08	26.05	0.03	0.02	26.06	3578.86
	06/16/08	3604.92	26.04	26.04	0.00	0.00	26.04	3578.88
	06/30/08	3604.92	26.11		0.00	0.00	26.11	3578.81
	07/14/08	3604.92	25.18		0.00	0.00	25.18	3579.74
	07/21/08	3604.92	26.04	25.98	0.06	0.05	25.99	3578.93
	08/06/08	3604.92	26.29	26.28	0.01	0.01	26.28	3578.64
	08/18/08	3604.92	26.39	26.33	0.06	0.05	26.34	3578.58
	09/09/08	3604.92	26.41		0.00	0.00	26.41	3578.51
	09/15/08	3604.92	26.42		0.00	0.00	26.42	3578.50
	09/22/08	3604.92	26.45		0.00	0.00	26.45	3578.47
	09/29/08	3604.92	26.49		0.00	0.00	26.49	3578.43
	10/07/08	3604.92	26.52		0.00	0.00	26.52	3578.40
	10/20/08	3604.92	26.27	26.23	0.04	0.03	26.24	3578.68
	10/28/08	3604.92	26.55		0.00	0.00	26.55	3578.37
	11/28/08	3604.92	26.54		0.00	0.00	26.54	3578.38
	12/01/08	3604.92	26.53		0.00	0.00	26.53	3578.39
	12/08/08	3604.92	26.54		0.00	0.00	26.54	3578.38
	12/24/08	3604.92	26.57		0.00	0.00	26.57	3578.35
	12/29/08	3604.92	26.60		0.00	0.00	26.60	3578.32
	01/06/09	3604.92	26.64		0.00	0.00	26.64	3578.28
	01/14/09	3604.92	26.63		0.00	0.00	26.63	3578.29
	01/19/09	3604.92	26.36	26.35	0.01	0.01	26.35	3578.57
	01/26/09	3604.92	26.68		0.00	0.00	26.68	3578.24
	02/10/09	3604.92	26.73		0.00	0.00	26.73	3578.19
	02/26/09	3604.92	26.75		0.00	0.00	26.75	3578.17
	03/02/09	3604.92	26.76	26.75	0.01	0.01	26.75	3578.17
	03/09/09	3604.92	26.78		0.00	0.00	26.78	3578.14
	03/16/09	3604.92	26.80	26.79	0.01	0.01	26.79	3578.13
	03/24/09	3604.92	26.82		0.00	0.00	26.82	3578.10
	03/30/09	3604.92	26.78		0.00	0.00	26.78	3578.14
	04/06/09	3604.92	26.84		0.00	0.00	26.84	3578.08
	04/14/09	3604.92	26.79		0.00	0.00	26.79	3578.13
	04/20/09	3604.92	26.62	26.61	0.01	0.01	26.61	3578.31
	04/28/09	3604.92	26.82		0.00	0.00	26.82	3578.10
	05/11/09	3604.92	26.89		0.00	0.00	26.89	3578.03
	05/26/09	3604.92	26.88		0.00	0.00	26.88	3578.04
	06/01/09	3604.92	26.95		0.00	0.00	26.95	3577.97
	06/09/09	3604.92	26.90		0.00	0.00	26.90	3578.02
	06/15/09	3604.92	26.98		0.00	0.00	26.98	3577.94
	06/29/09	3604.92	26.94		0.00	0.00	26.94	3577.98
	07/06/09	3604.92	27.00		0.00	0.00	27.00	3577.92
	07/14/09	3604.92	27.07		0.00	0.00	27.07	3577.85
	07/20/09	3604.92	26.99		0.00	0.00	26.99	3577.93
	07/27/09	3604.92	26.95		0.00	0.00	26.95	3577.97
	08/03/09	3604.92	27.08		0.00	0.00	27.08	3577.84
	08/12/09	3604.92	27.15		0.00	0.00	27.15	3577.77
	08/24/09	3604.92	27.08		0.00	0.00	27.08	3577.84
	08/31/09	3604.92	27.14		0.00	0.00	27.14	3577.78
	09/08/09	3604.92	27.06		0.00	0.00	27.06	3577.86

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
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Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8 (SVE-5) cont.	09/16/09	3604.92	27.13		0.00	0.00	27.13	3577.79
	09/28/09	3604.92	27.03		0.00	0.00	27.03	3577.89
	10/05/09	3604.92	27.15		0.00	0.00	27.15	3577.77
	10/12/09	3604.92	27.10		0.00	0.00	27.10	3577.82
	10/26/09	3604.92	27.05		0.00	0.00	27.05	3577.87
	11/03/09	3604.92	27.08		0.00	0.00	27.08	3577.84
	11/10/09	3604.92	27.19		0.00	0.00	27.19	3577.73
	11/23/09	3604.92	27.15		0.00	0.00	27.15	3577.77
	11/30/09	3604.92	27.26		0.00	0.00	27.26	3577.66
	12/07/09	3604.92	27.32		0.00	0.00	27.32	3577.60
	12/22/09	3604.92	27.35		0.00	0.00	27.35	3577.57
	01/04/10	3604.92	27.31		0.00	0.00	27.31	3577.61
	01/11/10	3604.92	27.39		0.00	0.00	27.39	3577.53
	01/18/10	3604.92	27.26		0.00	0.00	27.26	3577.66
	01/25/10	3604.92	27.30		0.00	0.00	27.30	3577.62
	02/01/10	3604.92	27.35		0.00	0.00	27.35	3577.57
	02/08/10	3604.92	27.39		0.00	0.00	27.39	3577.53
	02/22/10	3604.92	27.53		0.00	0.00	27.53	3577.39
	03/01/10	3604.92	27.19		0.00	0.00	27.19	3577.73
	03/08/10	3604.92	27.56		0.00	0.00	27.56	3577.36
	03/22/10	3604.92	27.88		0.00	0.00	27.88	3577.04
	03/29/10	3604.92	27.51		0.00	0.00	27.51	3577.41
MW-9 (RW-2)	03/01/01	3605.75	26.82	23.68	3.14	2.51	24.31	3581.44
	06/25/01	3605.75	24.79	24.73	0.06	0.05	24.74	3581.01
	09/25/01	3605.75	26.28	25.90	0.38	0.30	25.98	3579.77
	12/11/01	3605.75	28.73	25.49	3.24	2.59	26.14	3579.61
	05/22/02	3605.75	27.64	26.19	1.45	1.16	26.48	3579.27
	11/05/02	3605.75	29.15	25.83	3.32	2.66	26.49	3579.26
	02/25/03	3605.75	28.62	26.38	2.24	1.79	26.83	3578.92
	04/09/03	3605.75	28.24	26.30	1.94	1.55	26.69	3579.06
	04/22/03	3605.75	28.95	26.30	2.65	2.12	26.83	3578.92
	06/25/03	3605.75	29.08	27.02	2.06	1.65	27.43	3578.32
	09/11/03	3605.75	29.25	27.22	2.03	1.62	27.63	3578.12
	11/05/03	3605.75	29.30	27.35	1.95	1.56	27.74	3578.01
	01/19/04	3605.75	29.94	28.50	1.44	1.15	28.79	3576.96
	04/20/04	3605.75	29.04	28.91	0.13	0.10	28.94	3576.81
	07/20/04	3605.75	30.09	28.58	1.51	1.21	28.88	3576.87
	10/25/04	3605.75	27.34	27.22	0.12	0.10	27.24	3578.51
	12/29/04	3605.75	26.45	26.44	0.01	0.01	26.44	3579.31
	01/24/05	3605.75	26.23		0.00	0.00	26.23	3579.52
	02/14/05	3605.75	26.13		0.00	0.00	26.13	3579.62
	03/02/05	3605.75	26.12		0.00	0.00	26.12	3579.63
	03/08/05	3605.75	26.09		0.00	0.00	26.09	3579.66
	03/23/05	3605.75	26.03		0.00	0.00	26.03	3579.72
	04/18/05	3605.75	25.90		0.00	0.00	25.90	3579.85
	05/09/05	3605.75	25.93		0.00	0.00	25.93	3579.82
	06/10/05	3605.75	25.91		0.00	0.00	25.91	3579.84
	07/18/05	3605.75	25.94		0.00	0.00	25.94	3579.81
	10/17/05	3605.75	25.85		0.00	0.00	25.85	3579.90
	12/28/05	3605.75	25.99		0.00	0.00	25.99	3579.76
	01/23/06	3605.75	26.04	26.03	0.01	0.01	26.03	3579.72
	04/24/06	3605.75	26.44	26.43	0.01	0.01	26.43	3579.32
	07/24/06	3605.75	26.80	26.79	0.01	0.01	26.79	3578.96
	10/23/06	3605.75	26.65		0.00	0.00	26.65	3579.10
	01/23/07	3605.75	26.69		0.00	0.00	26.69	3579.06
	04/23/07	3605.75	27.00	26.99	0.01	0.01	26.99	3578.76
	07/23/07	3605.75	27.14	27.14	0.00	0.00	27.14	3578.61
	10/22/07	3605.75	27.14	27.14	0.00	0.00	27.14	3578.61
	01/28/08	3605.75	27.19	27.19	0.00	0.00	27.19	3578.56
	04/21/08	3605.75	27.43		0.00	0.00	27.43	3578.32
	07/21/08	3605.75	27.72		0.00	0.00	27.72	3578.03
	10/20/08	3605.75	27.97	27.96	0.01	0.01	27.96	3577.79
	01/19/09	3605.75	28.12		0.00	0.00	28.12	3577.63

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-9 (RW-2) cont.	04/20/09	3605.75	28.36		0.00	0.00	28.36	3577.39
	07/27/09	3605.75	28.62		0.00	0.00	28.62	3577.13
	10/26/09	3605.75	28.77	28.76	0.01	0.01	28.76	3576.99
	01/25/10	3605.75	30.03	28.75	1.28	1.02	29.01	3576.74
MW-10 (RW-6)	03/01/01	3604.94	25.57	23.53	2.04	1.63	23.94	3581.00
	06/25/01	3604.94	25.95	23.75	2.20	1.76	24.19	3580.75
	09/25/01	3604.94	24.47		0.00	0.00	24.47	3580.47
	12/11/01	3604.94	26.31	24.27	2.04	1.63	24.68	3580.26
	05/22/02	3604.94	25.50	25.00	0.50	0.40	25.10	3579.84
	11/05/02	3604.94	28.84	25.33	3.51	2.81	26.03	3578.91
	02/25/03	3604.94	28.41	25.26	3.15	2.52	25.89	3579.05
	04/09/03	3604.94	28.15	25.48	2.67	2.14	26.01	3578.93
	06/25/03	3604.94	27.73	25.96	1.77	1.42	26.31	3578.63
	09/11/03	3604.94	28.36	26.34	2.02	1.62	26.74	3578.20
	11/05/03	3604.94	28.17	26.20	1.97	1.58	26.59	3578.35
	01/19/04	3604.94	28.36	26.30	2.06	1.65	26.71	3578.23
	04/20/04	3604.94	28.49	26.53	1.96	1.57	26.92	3578.02
	07/20/04	3604.94	28.03	26.72	1.31	1.05	26.98	3577.96
	10/25/04	3604.94	26.36	25.24	1.12	0.90	25.46	3579.48
	01/24/05	3604.94	24.57	24.14	0.43	0.34	24.23	3580.71
	02/14/05	3604.94	24.96	23.99	0.97	0.78	24.18	3580.76
	03/02/05	3604.94	24.64	24.00	0.64	0.51	24.13	3580.81
	03/08/05	3604.94	24.61	23.97	0.64	0.51	24.10	3580.84
	03/23/05	3604.94	24.58	23.91	0.67	0.54	24.04	3580.90
	04/18/05	3604.94	24.47	23.77	0.70	0.56	23.91	3581.03
	05/09/05	3604.94	24.51	23.82	0.69	0.55	23.96	3580.98
	06/10/05	3604.94	24.50	23.81	0.69	0.55	23.95	3580.99
	07/18/05	3604.94	24.51	23.90	0.61	0.49	24.02	3580.92
	10/17/05	3604.94	24.32	23.89	0.43	0.34	23.98	3580.96
	11/29/05	3604.94	24.22	24.08	0.14	0.11	24.11	3580.83
	12/06/05	3604.94	24.37	24.08	0.29	0.23	24.14	3580.80
	12/12/05	3604.94	24.44	24.11	0.33	0.26	24.18	3580.76
	12/21/05	3604.94	24.46	24.11	0.35	0.28	24.18	3580.76
	12/28/05	3604.94	24.49	24.12	0.37	0.30	24.19	3580.75
	01/04/06	3604.94	24.47	24.11	0.36	0.29	24.18	3580.76
	01/10/06	3604.94	24.49	24.12	0.37	0.30	24.19	3580.75
	01/16/06	3604.94	24.48	24.02	0.46	0.37	24.11	3580.83
	01/23/06	3604.94	24.42	23.99	0.43	0.34	24.08	3580.86
	02/01/06	3604.94	24.44	24.12	0.32	0.26	24.18	3580.76
	02/16/06	3604.94	24.52	24.24	0.28	0.22	24.30	3580.64
	03/06/06	3604.94	24.62	24.33	0.29	0.23	24.39	3580.55
	03/29/06	3604.94	24.72	24.42	0.30	0.24	24.48	3580.46
	04/04/06	3604.94	24.73	24.45	0.28	0.22	24.51	3580.43
	04/11/06	3604.94	24.76	24.49	0.27	0.22	24.54	3580.40
	04/17/06	3604.94	24.77	24.53	0.24	0.19	24.58	3580.36
	04/24/06	3604.94	24.66	24.47	0.19	0.15	24.51	3580.43
	05/03/06	3604.94	24.66	24.62	0.04	0.03	24.63	3580.31
	05/31/06	3604.94	24.80	24.76	0.04	0.03	24.77	3580.17
	06/09/06	3604.94	24.84	24.80	0.04	0.03	24.81	3580.13
	06/12/06	3604.94	24.85	24.81	0.04	0.03	24.82	3580.12
	06/26/06	3604.94	24.96	24.88	0.08	0.06	24.90	3580.04
	07/05/06	3604.94	25.02	24.93	0.09	0.07	24.95	3579.99
	07/10/06	3604.94	25.04	24.95	0.09	0.07	24.97	3579.97
	07/17/06	3604.94	25.06	24.97	0.09	0.07	24.99	3579.95
	07/24/06	3604.94	24.99	24.87	0.12	0.10	24.89	3580.05
	08/02/06	3604.94	25.14	25.06	0.08	0.06	25.08	3579.86
	08/14/06	3604.94	25.08	25.08	0.00	0.00	25.08	3579.86
	08/28/06	3604.94	25.27	25.14	0.13	0.10	25.17	3579.77
	09/14/06	3604.94	25.16	25.05	0.11	0.09	25.07	3579.87
	09/21/06	3604.94	25.08	25.02	0.06	0.05	25.03	3579.91
	09/25/06	3604.94	25.08	25.03	0.05	0.04	25.04	3579.90
	10/02/06	3604.94	25.02	24.98	0.04	0.03	24.99	3579.95
	10/10/06	3604.94	25.01	24.98	0.03	0.02	24.99	3579.95
	10/16/06	3604.94	25.01	24.97	0.04	0.03	24.98	3579.96
	10/23/06	3604.94	24.80	24.75	0.05	0.04	24.76	3580.18

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10 (RW-6) cont.	10/30/06	3604.94	24.96	24.92	0.04	0.03	24.93	3580.01
	11/06/06	3604.94	24.97	24.93	0.04	0.03	24.94	3580.00
	11/21/06	3604.94	24.97	24.91	0.06	0.05	24.92	3580.02
	11/28/06	3604.94	24.96	24.92	0.04	0.03	24.93	3580.01
	12/05/06	3604.94	24.96	24.91	0.05	0.04	24.92	3580.02
	12/11/06	3604.94	24.94	24.89	0.05	0.04	24.90	3580.04
	12/18/06	3604.94	24.98	24.89	0.09	0.07	24.91	3580.03
	01/02/07	3604.94	25.07	24.97	0.10	0.08	24.99	3579.95
	01/08/07	3604.94	25.09	25.01	0.08	0.06	25.03	3579.91
	01/23/07	3604.94	24.82	24.77	0.05	0.04	24.78	3580.16
	02/05/07	3604.94	25.20	25.08	0.12	0.10	25.10	3579.84
	02/26/07	3604.94	25.29	25.14	0.15	0.12	25.17	3579.77
	03/05/07	3604.94	25.32	25.18	0.14	0.11	25.21	3579.73
	03/13/07	3604.94	25.33	25.20	0.13	0.10	25.23	3579.71
	03/19/07	3604.94	25.37	25.24	0.13	0.10	25.27	3579.67
	03/26/07	3604.94	25.36	25.24	0.12	0.10	25.26	3579.68
	04/02/07	3604.94	25.40	25.27	0.13	0.10	25.30	3579.64
	04/23/07	3604.94	25.23	25.09	0.14	0.11	25.12	3579.82
	05/01/07	3604.94	25.47	25.36	0.11	0.09	25.38	3579.56
	05/29/07	3604.94	25.53	25.42	0.11	0.09	25.44	3579.50
	06/04/07	3604.94	25.52	25.43	0.09	0.07	25.45	3579.49
	06/11/07	3604.94	25.52	25.44	0.08	0.06	25.46	3579.48
	06/18/07	3604.94	25.52	25.43	0.09	0.07	25.45	3579.49
	06/26/07	3604.94	25.24	25.18	0.06	0.05	25.19	3579.75
	07/09/07	3604.94	25.26	25.20	0.06	0.05	25.21	3579.73
	07/17/07	3604.94	25.28	25.23	0.05	0.04	25.24	3579.70
	07/23/07	3604.94	25.28	25.18	0.10	0.08	25.20	3579.74
	07/30/07	3604.94	25.27	25.22	0.05	0.04	25.23	3579.71
	08/07/07	3604.94	25.28	25.24	0.04	0.03	25.25	3579.69
	08/20/07	3604.94	25.34	25.24	0.10	0.08	25.26	3579.68
	08/27/07	3604.94	25.36	25.28	0.08	0.06	25.30	3579.64
	09/04/07	3604.94	25.35	25.31	0.04	0.03	25.32	3579.62
	09/10/07	3604.94	25.33	25.29	0.04	0.03	25.30	3579.64
	09/25/07	3604.94	25.37	25.35	0.02	0.02	25.35	3579.59
	10/02/07	3604.94	25.38	25.35	0.03	0.02	25.36	3579.58
	10/11/07	3604.94	25.31	25.28	0.03	0.02	25.29	3579.65
	10/22/07	3604.94	25.23	25.17	0.06	0.05	25.18	3579.76
	10/31/07	3604.94	25.31	25.30	0.01	0.01	25.30	3579.64
	11/12/07	3604.94	25.27	25.26	0.01	0.01	25.26	3579.68
	11/19/07	3604.94	25.31	25.30	0.01	0.01	25.30	3579.64
	12/05/07	3604.94	25.31	25.29	0.02	0.02	25.29	3579.65
	12/10/07	3604.94	25.35	25.32	0.03	0.02	25.33	3579.61
	12/20/07	3604.94	25.37	25.35	0.02	0.02	25.35	3579.59
	01/02/08	3604.94	25.44	25.43	0.01	0.01	25.43	3579.51
	01/07/08	3604.94	25.50	25.43	0.07	0.06	25.44	3579.50
	01/28/08	3604.94	25.36	25.26	0.10	0.08	25.28	3579.66
	02/12/08	3604.94	25.58	25.56	0.02	0.02	25.56	3579.38
	02/26/08	3604.94	25.63	25.60	0.03	0.02	25.61	3579.33
	04/21/08	3604.94	25.51	25.50	0.01	0.01	25.50	3579.44
	04/28/08	3604.94	25.80	25.77	0.03	0.02	25.78	3579.16
	05/20/08	3604.94	25.83	25.81	0.02	0.02	25.81	3579.13
	06/02/08	3604.94	25.86	25.85	0.01	0.01	25.85	3579.09
	06/09/08	3604.94	25.88	25.87	0.01	0.01	25.87	3579.07
	06/16/08	3604.94	25.97	25.97	0.00	0.00	25.97	3578.97
	06/30/08	3604.94	26.00	26.00	0.00	0.00	26.00	3578.94
	07/14/08	3604.94	26.07	26.07	0.00	0.00	26.07	3578.87
	07/21/08	3604.94	25.81		0.00	0.00	25.81	3579.13
	08/06/08	3604.94	26.30		0.00	0.00	26.30	3578.64
	08/18/08	3604.94	26.36		0.00	0.00	26.36	3578.58
	09/09/08	3604.94	26.35		0.00	0.00	26.35	3578.59
	09/15/08	3604.94	26.30	26.30	0.00	0.00	26.30	3578.64
	09/22/08	3604.94	26.40		0.00	0.00	26.40	3578.54
	09/29/08	3604.94	26.45		0.00	0.00	26.45	3578.49
	10/07/08	3604.94	26.51		0.00	0.00	26.51	3578.43
	10/20/08	3604.94	26.28	26.24	0.04	0.03	26.25	3578.69

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10 (RW-6) cont.	10/28/08	3604.94	26.54		0.00	0.00	26.54	3578.40
	11/10/08	3604.94	26.51		0.00	0.00	26.51	3578.43
	11/24/08	3604.94	26.50		0.00	0.00	26.50	3578.44
	12/01/08	3604.94	26.49		0.00	0.00	26.49	3578.45
	12/08/08	3604.94	26.53		0.00	0.00	26.53	3578.41
	12/24/08	3604.94	26.52		0.00	0.00	26.52	3578.42
	12/29/08	3604.94	26.56		0.00	0.00	26.56	3578.38
	01/06/09	3604.94	26.63		0.00	0.00	26.63	3578.31
	01/14/09	3604.94	26.48		0.00	0.00	26.48	3578.46
	01/19/09	3604.94	26.33		0.00	0.00	26.33	3578.61
	01/26/09	3604.94	26.61		0.00	0.00	26.61	3578.33
	02/10/09	3604.94	26.70		0.00	0.00	26.70	3578.24
	02/26/09	3604.94	26.72		0.00	0.00	26.72	3578.22
	03/02/09	3604.94	26.66		0.00	0.00	26.66	3578.28
	03/09/09	3604.94	26.73		0.00	0.00	26.73	3578.21
	03/16/09	3604.94	26.74		0.00	0.00	26.74	3578.20
	03/24/09	3604.94	26.76		0.00	0.00	26.76	3578.18
	03/30/09	3604.94	26.66		0.00	0.00	26.66	3578.28
	04/06/09	3604.94	26.80		0.00	0.00	26.80	3578.14
	04/14/09	3604.94	26.64		0.00	0.00	26.64	3578.30
	04/20/09	3604.94	26.57	26.56	0.01	0.01	26.56	3578.38
	04/28/09	3604.94	26.68		0.00	0.00	26.68	3578.26
	05/11/09	3604.94	26.81		0.00	0.00	26.81	3578.13
	05/26/09	3604.94	26.73		0.00	0.00	26.73	3578.21
	06/01/09	3604.94	26.86		0.00	0.00	26.86	3578.08
	06/09/09	3604.94	26.70		0.00	0.00	26.70	3578.24
	06/15/09	3604.94	26.90		0.00	0.00	26.90	3578.04
	06/29/09	3604.94	26.78		0.00	0.00	26.78	3578.16
	07/06/09	3604.94	26.80		0.00	0.00	26.80	3578.14
	07/14/09	3604.94	26.98		0.00	0.00	26.98	3577.96
	07/20/09	3604.94	26.84		0.00	0.00	26.84	3578.10
	07/27/09	3604.94	26.87		0.00	0.00	26.87	3578.07
	08/03/09	3604.94	27.02		0.00	0.00	27.02	3577.92
	08/12/09	3604.94	27.05		0.00	0.00	27.05	3577.89
	08/24/09	3604.94	26.95		0.00	0.00	26.95	3577.99
	08/31/09	3604.94	27.05		0.00	0.00	27.05	3577.89
	09/08/09	3604.94	26.92		0.00	0.00	26.92	3578.02
	09/16/09	3604.94	27.04		0.00	0.00	27.04	3577.90
	09/28/09	3604.94	26.88		0.00	0.00	26.88	3578.06
	10/05/09	3604.94	27.07		0.00	0.00	27.07	3577.87
	10/12/09	3604.94	27.06		0.00	0.00	27.06	3577.88
	10/26/09	3604.94	27.00	26.99	0.01	0.01	26.99	3577.95
	11/03/09	3604.94	26.93		0.00	0.00	26.93	3578.01
	11/10/09	3604.94	27.08		0.00	0.00	27.08	3577.86
	11/23/09	3604.94	27.03		0.00	0.00	27.03	3577.91
	11/30/09	3604.94	27.17		0.00	0.00	27.17	3577.77
	12/07/09	3604.94	27.08		0.00	0.00	27.08	3577.86
	12/22/09	3604.94	27.24		0.00	0.00	27.24	3577.70
	01/04/10	3604.94	27.14		0.00	0.00	27.14	3577.80
	01/11/10	3604.94	27.30		0.00	0.00	27.30	3577.64
	01/18/10	3604.94	27.12		0.00	0.00	27.12	3577.82
	01/25/10	3604.94	27.21		0.00	0.00	27.21	3577.73
	02/01/10	3604.94	27.29		0.00	0.00	27.29	3577.65
	02/08/10	3604.94	27.25		0.00	0.00	27.25	3577.69
	02/22/10	3604.94	27.44		0.00	0.00	27.44	3577.50
	02/01/10	3604.94	27.34		0.00	0.00	27.34	3577.60
	03/08/10	3604.94	27.46		0.00	0.00	27.46	3577.48
	03/22/10	3604.94	27.50		0.00	0.00	27.50	3577.44
	03/29/10	3604.94	27.35		0.00	0.00	27.35	3577.59
MW-11 (RW-7)	03/01/01	3608.06	27.09		0.00	0.00	27.09	3580.97
	06/25/01	3608.06	27.30		0.00	0.00	27.30	3580.76
	09/25/01	3608.06	28.26	27.51	0.75	0.60	27.66	3580.40
	12/11/01	3608.06	28.36	27.50	0.86	0.69	27.67	3580.39
	05/21/02	3608.06	29.67	27.60	2.07	1.66	28.01	3580.05
	06/16/02	3608.06	30.95	28.48	2.47	1.98	28.97	3579.09

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-11 (RW-7) cont.	10/25/02	3608.06	30.73	27.90	2.83	2.26	28.47	3579.59
	11/04/02	3608.06	30.81	27.95	2.86	2.29	28.52	3579.54
	11/05/02	3608.06	30.97	27.92	3.05	2.44	28.53	3579.53
	02/24/03	3608.06	30.96	28.97	1.99	1.59	29.37	3578.69
	11/05/02	3608.06	30.57	29.83	0.74	0.59	29.98	3578.08
	02/25/03	3608.06	30.90	28.71	2.19	1.75	29.15	3578.91
	04/09/03	3608.06	30.96	28.97	1.99	1.59	29.37	3578.69
	09/11/03	3608.06	30.74	29.06	1.68	1.34	29.40	3578.66
	11/05/03	3608.06	31.25	29.82	1.43	1.14	30.11	3577.95
	01/19/04	3608.06	30.94	30.23	0.71	0.57	30.37	3577.69
	04/20/04	3608.06	30.53	30.48	0.05	0.04	30.49	3577.57
	07/20/04	3608.06	31.16	30.33	0.83	0.66	30.50	3577.56
	10/25/04	3608.06	29.10		0.00	0.00	29.10	3578.96
	01/24/05	3608.06	28.04	28.03	0.01	0.01	28.03	3580.03
	04/18/05	3608.06	27.75	27.73	0.02	0.02	27.73	3580.33
	07/18/05	3608.06	28.00	27.99	0.01	0.01	27.99	3580.07
	10/17/05	3608.06	27.90	27.89	0.01	0.01	27.89	3580.17
	12/28/05	3608.06	28.06	28.04	0.02	0.02	28.04	3580.02
	01/10/06	3608.06	28.10	28.09	0.01	0.01	28.09	3579.97
	01/23/06	3608.06	28.05	28.03	0.02	0.02	28.03	3580.03
	04/24/06	3608.06	28.44	28.40	0.04	0.03	28.41	3579.65
	07/24/06	3608.06	28.90	28.75	0.15	0.12	28.78	3579.28
	10/23/06	3608.06	28.74	28.65	0.09	0.07	28.67	3579.39
	01/23/07	3608.06	28.75	28.75	0.00	0.00	28.75	3579.31
	04/23/07	3608.06	29.11	28.99	0.12	0.10	29.01	3579.05
	07/23/07	3608.06	29.16	29.13	0.03	0.02	29.14	3578.92
	10/22/07	3608.06	29.18	29.16	0.02	0.02	29.16	3578.90
	01/28/08	3608.06	29.22	29.20	0.02	0.02	29.20	3578.86
	04/21/08	3608.06	29.44		0.00	0.00	29.44	3578.62
	07/21/08	3608.06	29.73		0.00	0.00	29.73	3578.33
	10/20/08	3608.06	29.95		0.00	0.00	29.95	3578.11
	01/19/09	3608.06	30.04		0.00	0.00	30.04	3578.02
	04/20/09	3608.06	30.39	30.38	0.01	0.01	30.38	3577.68
	07/27/09	3608.06	30.64		0.00	0.00	30.64	3577.42
	10/26/09	3608.06	30.77		0.00	0.00	30.77	3577.29
	01/25/10	3608.06	31.00		0.00	0.00	31.00	3577.06
MW-12 (SVE-9)	03/01/01	3604.40	23.87		0.00	0.00	23.87	3580.53
	06/25/01	3604.40	24.14		0.00	0.00	24.14	3580.26
	09/25/01	3604.40	24.38		0.00	0.00	24.38	3580.02
	12/11/01	3604.40	24.62		0.00	0.00	24.62	3579.78
	05/21/02	3604.40	24.96		0.00	0.00	24.96	3579.44
	06/08/02	3604.40	25.64		0.00	0.00	25.64	3578.76
	06/15/02	3604.40	25.64		0.00	0.00	25.64	3578.76
	10/25/02	3604.14	25.83		0.00	0.00	25.83	3578.31
	10/26/02	3604.14	25.84		0.00	0.00	25.84	3578.30
	11/04/02	3604.14	25.66		0.00	0.00	25.66	3578.48
	11/05/02	3604.14	25.54		0.00	0.00	25.54	3578.60
	12/16/02	3604.14	25.52		0.00	0.00	25.52	3578.62
	01/22/03	3604.14	25.50		0.00	0.00	25.50	3578.64
	04/24/03	3604.14	25.58		0.00	0.00	25.58	3578.56
	09/11/03	3604.14	26.08		0.00	0.00	26.08	3578.06
	10/15/03	3604.14	26.33		0.00	0.00	26.33	3577.81
	01/19/04	3604.14	26.68		0.00	0.00	26.68	3577.46
	04/19/04	3604.14	26.57		0.00	0.00	26.57	3577.57
	07/20/04	3604.14	26.72		0.00	0.00	26.72	3577.42
	10/25/04	3604.14	25.07		0.00	0.00	25.07	3579.07
	01/24/05	3604.14	23.85		0.00	0.00	23.85	3580.29
	04/18/05	3604.14	23.55		0.00	0.00	23.55	3580.59
	07/18/05	3604.14	23.71		0.00	0.00	23.71	3580.43
	10/17/05	3604.14	23.65		0.00	0.00	23.65	3580.49
	01/10/06	3604.14	23.86		0.00	0.00	23.86	3580.28
	01/23/06	3604.14	23.89		0.00	0.00	23.89	3580.25
	04/24/06	3604.14	24.31		0.00	0.00	24.31	3579.83
	07/24/06	3604.14	24.70		0.00	0.00	24.70	3579.44
	10/23/06	3604.14	24.55		0.00	0.00	24.55	3579.59

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-12 (SVE-9) cont.	01/23/07	3604.14	24.60		0.00	0.00	24.60	3579.54
	04/23/07	3604.14	24.92		0.00	0.00	24.92	3579.22
	07/23/07	3604.14	25.02		0.00	0.00	25.02	3579.12
	10/22/07	3604.14	24.98		0.00	0.00	24.98	3579.16
	01/28/08	3604.14	25.09		0.00	0.00	25.09	3579.05
	04/21/08	3604.14	25.36		0.00	0.00	25.36	3578.78
	07/21/08	3604.14	25.70		0.00	0.00	25.70	3578.44
	10/20/08	3604.14	25.94		0.00	0.00	25.94	3578.20
	01/19/09	3604.14	26.00		0.00	0.00	26.00	3578.14
	04/20/09	3604.14	26.28		0.00	0.00	26.28	3577.86
	07/27/09	3604.14	26.60		0.00	0.00	26.60	3577.54
	10/26/09	3604.14	26.61		0.00	0.00	26.61	3577.53
	01/25/10	3604.14	26.59		0.00	0.00	26.59	3577.55
MW-13	03/01/01	3604.31	24.70		0.00	0.00	24.70	3579.61
	06/25/01	3604.31	24.95		0.00	0.00	24.95	3579.36
	09/25/01	3604.31	25.23		0.00	0.00	25.23	3579.08
	12/11/01	3604.31	25.48		0.00	0.00	25.48	3578.83
	05/21/02	3604.31	25.79		0.00	0.00	25.79	3578.52
	06/15/02	3604.31	25.85		0.00	0.00	25.85	3578.46
	09/20/02	3604.31	25.97		0.00	0.00	25.97	3578.34
	10/15/02	3604.31	26.11		0.00	0.00	26.11	3578.20
	10/22/02	3604.31	26.11		0.00	0.00	26.11	3578.20
	10/25/02	3604.31	26.13		0.00	0.00	26.13	3578.18
	10/26/02	3604.31	26.12		0.00	0.00	26.12	3578.19
	11/04/02	3604.31	26.05		0.00	0.00	26.05	3578.26
	11/05/02	3604.31	26.06		0.00	0.00	26.06	3578.25
	11/22/02	3604.31	26.01		0.00	0.00	26.01	3578.30
	11/29/02	3604.31	25.95		0.00	0.00	25.95	3578.36
	01/22/03	3604.31	25.88		0.00	0.00	25.88	3578.43
	02/14/03	3604.31	25.93		0.00	0.00	25.93	3578.38
	02/24/03	3604.31	25.96		0.00	0.00	25.96	3578.35
	04/24/03	3604.31	26.14		0.00	0.00	26.14	3578.17
	07/15/03	3604.31	26.40		0.00	0.00	26.40	3577.91
	09/11/03	3604.31	26.55		0.00	0.00	26.55	3577.76
	10/15/03	3604.31	26.71		0.00	0.00	26.71	3577.60
	01/19/04	3604.31	26.98		0.00	0.00	26.98	3577.33
	04/19/04	3604.31	26.95		0.00	0.00	26.95	3577.36
	07/20/04	3604.31	26.81		0.00	0.00	26.81	3577.50
	10/25/04	3604.31	24.95		0.00	0.00	24.95	3579.36
	01/24/05	3604.31	23.64		0.00	0.00	23.64	3580.67
	04/18/05	3604.31	23.46		0.00	0.00	23.46	3580.85
	07/18/05	3604.31	23.78		0.00	0.00	23.78	3580.53
	10/17/05	3604.31	23.72		0.00	0.00	23.72	3580.59
	01/23/06	3604.31	24.02		0.00	0.00	24.02	3580.29
	04/24/06	3604.31	24.50		0.00	0.00	24.50	3579.81
	07/24/06	3604.31	24.93		0.00	0.00	24.93	3579.38
	10/23/06	3604.31	24.66		0.00	0.00	24.66	3579.65
	01/23/07	3604.31	24.76		0.00	0.00	24.76	3579.55
	04/23/07	3604.31	25.12		0.00	0.00	25.12	3579.19
	07/23/07	3604.31	25.16		0.00	0.00	25.16	3579.15
	10/22/07	3604.31	25.04		0.00	0.00	25.04	3579.27
	01/28/08	3604.31	25.25		0.00	0.00	25.25	3579.06
	04/21/08	3604.31	25.60		0.00	0.00	25.60	3578.71
	07/21/08	3604.31	26.02		0.00	0.00	26.02	3578.29
	10/20/08	3604.31	26.19		0.00	0.00	26.19	3578.12
	01/19/09	3604.31	26.26		0.00	0.00	26.26	3578.05
	04/20/09	3604.31	26.60		0.00	0.00	26.60	3577.71
	07/27/09	3604.31	26.92		0.00	0.00	26.92	3577.39
	10/26/09	3604.31	26.91		0.00	0.00	26.91	3577.40
	01/25/10	3604.31	27.19		0.00	0.00	27.19	3577.12
MW-14 (SVE-11)	03/01/01	3604.11	23.96		0.00	0.00	23.96	3580.15
	06/25/01	3604.11	24.14		0.00	0.00	24.14	3579.97
	09/25/01	3604.11	24.45		0.00	0.00	24.45	3579.66
	12/11/01	3604.11	24.63		0.00	0.00	24.63	3579.48
	05/21/02	3604.11	25.00		0.00	0.00	25.00	3579.11

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-14 (SVE-11) cont.	06/15/02	3604.11	25.08		0.00	0.00	25.08	3579.03
	10/15/02	3603.77	25.82		0.00	0.00	25.82	3577.95
	01/22/03	3603.77	25.90		0.00	0.00	25.90	3577.87
	04/24/03	3603.77	25.92		0.00	0.00	25.92	3577.85
	07/15/03	3603.77	26.11		0.00	0.00	26.11	3577.66
	09/11/03	3603.77	26.26		0.00	0.00	26.26	3577.51
	10/15/03	3603.77	26.41		0.00	0.00	26.41	3577.36
	01/19/04	3603.77	26.68		0.00	0.00	26.68	3577.09
	04/19/04	3603.77	26.61		0.00	0.00	26.61	3577.16
	07/20/04	3603.77	26.75		0.00	0.00	26.75	3577.02
	10/25/04	3603.77	24.81		0.00	0.00	24.81	3578.96
	01/24/05	3603.77	23.76		0.00	0.00	23.76	3580.01
	04/18/05	3603.77	23.58		0.00	0.00	23.58	3580.19
	07/18/05	3603.77	23.83		0.00	0.00	23.83	3579.94
	10/17/05	3603.77	23.77		0.00	0.00	23.77	3580.00
	01/23/06	3603.77	24.03		0.00	0.00	24.03	3579.74
	04/24/06	3603.77	24.41		0.00	0.00	24.41	3579.36
	07/24/06	3603.77	24.80		0.00	0.00	24.80	3578.97
	10/23/06	3603.77	24.70		0.00	0.00	24.70	3579.07
	01/23/07	3603.77	24.79		0.00	0.00	24.79	3578.98
	04/23/07	3603.77	25.06		0.00	0.00	25.06	3578.71
	07/23/07	3603.77	25.19		0.00	0.00	25.19	3578.58
	10/22/07	3603.77	25.20		0.00	0.00	25.20	3578.57
	01/28/08	3603.77	25.30		0.00	0.00	25.30	3578.47
	04/21/08	3603.77	25.53		0.00	0.00	25.53	3578.24
	07/21/08	3603.77	25.83		0.00	0.00	25.83	3577.94
	10/20/08	3603.77	26.07		0.00	0.00	26.07	3577.70
	01/19/09	3603.77	26.15		0.00	0.00	26.15	3577.62
	04/20/09	3603.77	26.37		0.00	0.00	26.37	3577.40
	07/27/09	3603.77	26.65		0.00	0.00	26.65	3577.12
	10/26/09	3603.77	26.75		0.00	0.00	26.75	3577.02
	01/25/10	3603.77	26.97		0.00	0.00	26.97	3576.80
MW-15 (SVE-12)	03/01/01	3609.78	28.26	28.20	0.06	0.05	28.21	3581.57
	06/25/01	3609.78	28.90	28.24	0.66	0.53	28.37	3581.41
	09/25/01	3609.78	NM		0.00	0.00		
	12/11/01	3609.78	NM		0.00	0.00		
	05/21/02	3609.78	29.77	28.98	0.79	0.63	29.14	3580.64
	06/08/02	3609.78	29.85	29.05	0.80	0.64	29.21	3580.57
	06/15/02	3609.23	30.42	29.65	0.77	0.62	29.80	3579.43
	10/25/02	3609.23	30.57	29.67	0.90	0.72	29.85	3579.38
	11/04/02	3609.23	30.62	29.80	0.82	0.66	29.96	3579.27
	11/22/02	3609.23	30.59	29.81	0.78	0.62	29.97	3579.26
	11/29/02	3609.23	30.59	29.70	0.89	0.71	29.88	3579.35
	02/08/03	3609.23	30.44	30.10	0.34	0.27	30.17	3579.06
	02/24/03	3609.23	30.51	30.09	0.42	0.34	30.17	3579.06
	04/07/03	3609.23	30.50	30.21	0.29	0.23	30.27	3578.96
	04/24/03	3609.23	30.44	30.24	0.20	0.16	30.28	3578.95
	11/05/02	3609.23	30.57	29.81	0.76	0.61	29.96	3579.27
	02/25/03	3609.23	30.51	30.09	0.42	0.34	30.17	3579.06
	04/09/03	3609.23	30.50	30.21	0.29	0.23	30.27	3578.96
	04/22/03	3609.23	30.49	30.27	0.22	0.18	30.31	3578.92
	06/25/03	3609.23	30.55	30.34	0.21	0.17	30.38	3578.85
	09/11/03	3609.23	30.79	30.52	0.27	0.22	30.57	3578.66
	11/05/03	3609.23	30.94	30.67	0.27	0.22	30.72	3578.51
	01/19/04	3609.23	31.11	30.87	0.24	0.19	30.92	3578.31
	04/19/04	3609.23	31.09	31.03	0.06	0.05	31.04	3578.19
	07/20/04	3609.23	31.32	31.10	0.22	0.18	31.14	3578.09
	10/25/04	3609.23	29.94		0.00	0.00	29.94	3579.29
	01/24/05	3609.23	28.72		0.00	0.00	28.72	3580.51
	04/18/05	3609.23	28.40		0.00	0.00	28.40	3580.83
	07/18/05	3609.23	28.39		0.00	0.00	28.39	3580.84
	10/17/05	3609.23	28.29		0.00	0.00	28.29	3580.94
	01/23/06	3609.23	28.44		0.00	0.00	28.44	3580.79
	04/24/06	3609.23	28.72		0.00	0.00	28.72	3580.51
	07/24/06	3609.23	29.12		0.00	0.00	29.12	3580.11

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-15 (SVE-12) cont.	10/23/06	3609.23	29.05		0.00	0.00	29.05	3580.18
	01/23/07	3609.23	29.12		0.00	0.00	29.12	3580.11
	04/23/07	3609.23	29.36		0.00	0.00	29.36	3579.87
	07/23/07	3609.23	29.53		0.00	0.00	29.53	3579.70
	10/22/07	3609.23	29.61		0.00	0.00	29.61	3579.62
	01/28/08	3609.23	29.65		0.00	0.00	29.65	3579.58
	04/21/08	3609.23	29.84		0.00	0.00	29.84	3579.39
	07/21/08	3609.23	30.08		0.00	0.00	30.08	3579.15
	10/20/08	3609.23	30.30		0.00	0.00	30.30	3578.93
	01/19/09	3609.23	30.49		0.00	0.00	30.49	3578.74
	04/20/09	3609.23	30.70		0.00	0.00	30.70	3578.53
	07/27/09	3609.23	30.94		0.00	0.00	30.94	3578.29
	10/26/09	3609.23	31.13		0.00	0.00	31.13	3578.10
	01/25/10	3609.23	31.31		0.00	0.00	31.31	3577.92
MW-16	03/01/01	3606.31	25.57		0.00	0.00	25.57	3580.74
	06/25/01	3606.31	25.78		0.00	0.00	25.78	3580.53
	09/25/01	3606.31	26.01		0.00	0.00	26.01	3580.30
	12/11/01	3606.31	26.21		0.00	0.00	26.21	3580.10
	05/21/02	3606.31	26.57		0.00	0.00	26.57	3579.74
	06/15/02	3606.31	26.64		0.00	0.00	26.64	3579.67
	06/16/02	3606.31	26.63		0.00	0.00	26.63	3579.68
	09/20/02	3606.31	26.80		0.00	0.00	26.80	3579.51
	10/15/02	3606.31	26.85		0.00	0.00	26.85	3579.46
	10/22/02	3606.31	26.88		0.00	0.00	26.88	3579.43
	10/25/02	3606.31	26.88		0.00	0.00	26.88	3579.43
	10/26/02	3606.31	26.88		0.00	0.00	26.88	3579.43
	11/04/02	3606.31	26.90		0.00	0.00	26.90	3579.41
	11/05/02	3606.31	26.91		0.00	0.00	26.91	3579.40
	01/22/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	02/14/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	02/24/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	04/07/03	3606.31	27.05		0.00	0.00	27.05	3579.26
	04/24/03	3606.31	27.16		0.00	0.00	27.16	3579.15
	07/14/03	3606.31	27.25		0.00	0.00	27.25	3579.06
	08/02/03	3606.31	27.27		0.00	0.00	27.27	3579.04
	09/11/03	3606.31	27.35		0.00	0.00	27.35	3578.96
	10/15/03	3606.31	27.49		0.00	0.00	27.49	3578.82
	01/19/04	3606.31	27.68		0.00	0.00	27.68	3578.63
	04/19/04	3606.31	27.78		0.00	0.00	27.78	3578.53
	07/20/04	3606.31	27.89		0.00	0.00	27.89	3578.42
	10/25/04	3606.31	26.38		0.00	0.00	26.38	3579.93
	01/24/05	3606.31	25.11		0.00	0.00	25.11	3581.20
	04/18/05	3606.31	24.91		0.00	0.00	24.91	3581.40
	07/18/05	3606.31	25.04		0.00	0.00	25.04	3581.27
	10/17/05	3606.31	24.99		0.00	0.00	24.99	3581.32
	01/23/06	3606.31	25.20		0.00	0.00	25.20	3581.11
	04/24/06	3606.31	25.56		0.00	0.00	25.56	3580.75
	07/24/06	3606.31	25.90		0.00	0.00	25.90	3580.41
	10/23/06	3606.31	25.84		0.00	0.00	25.84	3580.47
	01/23/07	3606.31	25.94		0.00	0.00	25.94	3580.37
	04/23/07	3606.31	26.16		0.00	0.00	26.16	3580.15
	07/23/07	3606.31	25.33		0.00	0.00	25.33	3580.98
	10/22/07	3606.31	26.40		0.00	0.00	26.40	3579.91
	01/28/08	3606.31	26.45		0.00	0.00	26.45	3579.86
	04/21/08	3606.31	26.66		0.00	0.00	26.66	3579.65
	07/21/08	3606.31	26.91		0.00	0.00	26.91	3579.40
	10/20/08	3606.31	27.13		0.00	0.00	27.13	3579.18
	01/19/09	3606.31	27.26		0.00	0.00	27.26	3579.05
	04/20/09	3606.31	26.50		0.00	0.00	26.50	3579.81
	07/27/09	3606.31	27.75		0.00	0.00	27.75	3578.56
	10/26/09	3606.31	27.93		0.00	0.00	27.93	3578.38
	01/25/10	3606.31	28.09		0.00	0.00	28.09	3578.22

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-17	03/01/01	3609.03	27.78		0.00	0.00	27.78	3581.25
	06/25/01	3609.03	27.99		0.00	0.00	27.99	3581.04
	09/25/01	3609.03	28.21		0.00	0.00	28.21	3580.82
	12/11/01	3609.03	28.39		0.00	0.00	28.39	3580.64
	05/21/02	3609.03	28.77		0.00	0.00	28.77	3580.26
	06/08/02	3609.03	28.80		0.00	0.00	28.80	3580.23
	06/13/02	3609.03	28.81		0.00	0.00	28.81	3580.22
	06/15/02	3609.03	28.81		0.00	0.00	28.81	3580.22
	09/20/02	3609.03	29.00		0.00	0.00	29.00	3580.03
	10/15/02	3609.03	29.07		0.00	0.00	29.07	3579.96
	10/22/02	3609.03	29.06		0.00	0.00	29.06	3579.97
	10/25/02	3609.03	29.06		0.00	0.00	29.06	3579.97
	10/26/02	3609.03	29.09		0.00	0.00	29.09	3579.94
	11/04/02	3609.03	29.10		0.00	0.00	29.10	3579.93
	11/05/02	3609.03	29.13		0.00	0.00	29.13	3579.90
	11/22/02	3609.03	29.16		0.00	0.00	29.16	3579.87
	12/16/02	3609.03	NM, dry					
	01/22/03	3609.03	29.15		0.00	0.00	29.15	3579.88
	02/08/03	3609.03	29.16		0.00	0.00	29.16	3579.87
	02/14/03	3609.03	29.17		0.00	0.00	29.17	3579.86
	02/24/03	3609.03	29.19		0.00	0.00	29.19	3579.84
	04/24/03	3609.03	29.28		0.00	0.00	29.28	3579.75
	04/07/03	3609.03	29.23		0.00	0.00	29.23	3579.80
	07/14/03	3609.03	29.45		0.00	0.00	29.45	3579.58
	08/02/03	3609.03	29.49		0.00	0.00	29.49	3579.54
	09/11/03	3609.03	29.57		0.00	0.00	29.57	3579.46
	10/15/03	3609.03	29.70		0.00	0.00	29.70	3579.33
	01/19/04	3609.03	29.88		0.00	0.00	29.88	3579.15
	04/19/04	3609.03	NM, dry					
	07/20/04	3609.03	NM, dry					
	10/25/04	3609.03	28.88		0.00	0.00	28.88	3580.15
	01/24/05	3609.03	27.57		0.00	0.00	27.57	3581.46
	04/18/05	3609.03	27.31		0.00	0.00	27.31	3581.72
	07/18/05	3609.03	27.35		0.00	0.00	27.35	3581.68
	10/17/05	3609.03	27.26		0.00	0.00	27.26	3581.77
	01/23/06	3609.03	27.45		0.00	0.00	27.45	3581.58
	04/24/06	3609.03	27.79		0.00	0.00	27.79	3581.24
	07/24/06	3609.03	28.11		0.00	0.00	28.11	3580.92
	10/23/06	3609.03	28.08		0.00	0.00	28.08	3580.95
	01/23/07	3609.03	28.17		0.00	0.00	28.17	3580.86
	04/23/07	3609.03	28.37		0.00	0.00	28.37	3580.66
	07/23/07	3609.03	28.54		0.00	0.00	28.54	3580.49
	10/22/07	3609.03	28.66		0.00	0.00	28.66	3580.37
	01/28/08	3609.03	28.68		0.00	0.00	28.68	3580.35
	04/21/08	3609.03	28.87		0.00	0.00	28.87	3580.16
	07/21/08	3609.03	29.11		0.00	0.00	29.11	3579.92
	10/20/08	3609.03	29.33		0.00	0.00	29.33	3579.70
	01/19/09	3609.03	29.45		0.00	0.00	29.45	3579.58
	04/20/09	3609.03	29.70		0.00	0.00	29.70	3579.33
	07/27/09	3609.03	NM, dry		0.00	0.00		
	10/26/09	3609.03	NM, dry		0.00	0.00		
	01/25/10	3609.03	NM, dry		0.00	0.00		
MW-18 (SVE-13)	03/01/01	3605.71	25.59		0.00	0.00	25.59	3580.12
	06/25/01	3605.71	25.85		0.00	0.00	25.85	3579.86
	09/25/01	3605.71	26.10		0.00	0.00	26.10	3579.61
	12/11/01	3605.71	26.33		0.00	0.00	26.33	3579.38
	05/21/02	3605.71	26.70		0.00	0.00	26.70	3579.01
	06/15/02	3605.71	26.75		0.00	0.00	26.75	3578.96
	06/16/02	3605.71	26.74		0.00	0.00	26.74	3578.97
	09/20/02	3605.34	27.54		0.00	0.00	27.54	3577.80
	10/15/02	3605.34	27.55		0.00	0.00	27.55	3577.79
	10/22/02	3605.34	27.55		0.00	0.00	27.55	3577.79
	10/25/02	3605.34	27.54		0.00	0.00	27.54	3577.80
	10/26/02	3605.34	27.55		0.00	0.00	27.55	3577.79
	11/05/02	3605.34	27.35		0.00	0.00	27.35	3577.99

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-18 (SVE-13) cont.	11/22/02	3605.34	27.38		0.00	0.00	27.38	3577.96
	01/22/03	3605.34	27.43		0.00	0.00	27.43	3577.91
	02/24/03	3605.34	27.46		0.00	0.00	27.46	3577.88
	04/07/03	3605.34	27.57		0.00	0.00	27.57	3577.77
	04/24/03	3605.34	27.58		0.00	0.00	27.58	3577.76
	07/15/03	3605.34	27.78		0.00	0.00	27.78	3577.56
	08/02/03	3605.34	27.83		0.00	0.00	27.83	3577.51
	09/11/03	3605.34	28.01		0.00	0.00	28.01	3577.33
	10/15/03	3605.34	28.15		0.00	0.00	28.15	3577.19
	01/19/04	3605.34	28.42		0.00	0.00	28.42	3576.92
	04/19/04	3605.34	28.40		0.00	0.00	28.40	3576.94
	07/20/04	3605.34	28.38		0.00	0.00	28.38	3576.96
	10/25/04	3605.34	26.62		0.00	0.00	26.62	3578.72
	01/24/05	3605.34	25.37		0.00	0.00	25.37	3579.97
	04/18/05	3605.34	25.15		0.00	0.00	25.15	3580.19
	07/18/05	3605.34	25.36		0.00	0.00	25.36	3579.98
	10/17/05	3605.34	25.33		0.00	0.00	25.33	3580.01
	01/23/06	3605.34	25.59		0.00	0.00	25.59	3579.75
	04/24/06	3605.34	26.01		0.00	0.00	26.01	3579.33
	07/24/06	3605.34	26.41		0.00	0.00	26.41	3578.93
	10/23/06	3605.34	26.25		0.00	0.00	26.25	3579.09
	01/23/07	3605.34	26.32		0.00	0.00	26.32	3579.02
	04/23/07	3605.34	26.63		0.00	0.00	26.63	3578.71
	07/23/07	3605.34	26.73		0.00	0.00	26.73	3578.61
	10/22/07	3605.34	26.70		0.00	0.00	26.70	3578.64
	01/28/08	3605.34	26.81		0.00	0.00	26.81	3578.53
	04/21/08	3605.34	27.09		0.00	0.00	27.09	3578.25
	07/21/08	3605.34	27.45		0.00	0.00	27.45	3577.89
	10/20/08	3605.34	27.65		0.00	0.00	27.65	3577.69
	01/19/09	3605.34	27.75		0.00	0.00	27.75	3577.59
	04/20/09	3605.34	28.05		0.00	0.00	28.05	3577.29
	07/27/09	3605.34	28.36		0.00	0.00	28.36	3576.98
	10/26/09	3605.34	28.41		0.00	0.00	28.41	3576.93
	01/25/10	3605.34	28.65		0.00	0.00	28.65	3576.69
MW-19	03/01/01	3606.69	27.20		0.00	0.00	27.20	3579.49
	06/25/01	3606.69	27.45		0.00	0.00	27.45	3579.24
	09/25/01	3606.69	27.71		0.00	0.00	27.71	3578.98
	12/11/01	3606.69	27.93		0.00	0.00	27.93	3578.76
	05/21/02	3606.69	28.26		0.00	0.00	28.26	3578.43
	06/08/02	3606.69	28.30		0.00	0.00	28.30	3578.39
	06/15/02	3606.69	28.33		0.00	0.00	28.33	3578.36
	09/20/02	3606.69	28.54		0.00	0.00	28.54	3578.15
	10/15/02	3606.69	28.57		0.00	0.00	28.57	3578.12
	10/22/02	3606.69	28.57		0.00	0.00	28.57	3578.12
	10/25/02	3606.69	28.55		0.00	0.00	28.55	3578.14
	10/26/02	3606.69	28.58		0.00	0.00	28.58	3578.11
	11/04/02	3606.69	28.58		0.00	0.00	28.58	3578.11
	11/05/02	3606.69	28.56		0.00	0.00	28.56	3578.13
	11/22/02	3606.69	28.55		0.00	0.00	28.55	3578.14
	11/29/02	3606.69	28.54		0.00	0.00	28.54	3578.15
	12/16/02	3606.69	28.54		0.00	0.00	28.54	3578.15
	01/22/03	3606.69	28.48		0.00	0.00	28.48	3578.21
	02/08/03	3606.69	28.50		0.00	0.00	28.50	3578.19
	02/14/03	3606.69	28.51		0.00	0.00	28.51	3578.18
	02/24/03	3606.69	28.51		0.00	0.00	28.51	3578.18
	04/24/03	3606.69	28.62		0.00	0.00	28.62	3578.07
	07/15/03	3606.69	28.90		0.00	0.00	28.90	3577.79
	08/02/03	3606.69	28.93		0.00	0.00	28.93	3577.76
	09/11/03	3606.69	29.03		0.00	0.00	29.03	3577.66
	10/15/03	3606.69	29.18		0.00	0.00	29.18	3577.51
	01/19/04	3606.69	29.42		0.00	0.00	29.42	3577.27
	04/19/04	3606.69	29.40		0.00	0.00	29.40	3577.29
	07/20/04	3606.69	29.40		0.00	0.00	29.40	3577.29
	10/25/04	3606.69	27.19		0.00	0.00	27.19	3579.50
	01/24/05	3606.69	26.20		0.00	0.00	26.20	3580.49

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-19 cont.	04/18/05	3606.69	26.11		0.00	0.00	26.11	3580.58
	07/18/05	3606.69	26.40		0.00	0.00	26.40	3580.29
	10/17/05	3606.69	26.41		0.00	0.00	26.41	3580.28
	01/23/06	3606.69	26.68		0.00	0.00	26.68	3580.01
	04/24/06	3606.69	27.09		0.00	0.00	27.09	3579.60
	07/24/06	3606.69	27.49		0.00	0.00	27.49	3579.20
	10/23/06	3606.69	27.37		0.00	0.00	27.37	3579.32
	01/23/07	3606.69	27.46		0.00	0.00	27.46	3579.23
	04/23/07	3606.69	27.76		0.00	0.00	27.76	3578.93
	07/23/07	3606.69	27.85		0.00	0.00	27.85	3578.84
	10/22/07	3606.69	27.83		0.00	0.00	27.83	3578.86
	01/28/08	3606.69	27.95		0.00	0.00	27.95	3578.74
	04/21/08	3606.69	28.23		0.00	0.00	28.23	3578.46
	07/21/08	3606.69	28.59		0.00	0.00	28.59	3578.10
	10/20/08	3606.69	28.80		0.00	0.00	28.80	3577.89
	01/19/09	3606.69	28.90		0.00	0.00	28.90	3577.79
	04/20/09	3606.69	29.18		0.00	0.00	29.18	3577.51
	07/27/09	3606.69	29.47		0.00	0.00	29.47	3577.22
	10/26/09	3606.69	29.52		0.00	0.00	29.52	3577.17
	01/25/10	3606.69	29.75		0.00	0.00	29.75	3576.94
MW-20	03/01/01	3606.25	30.24		0.00	0.00	30.24	3576.01
	06/08/01	3606.25	31.26		0.00	0.00	31.26	3574.99
	06/25/01	3606.25	31.45		0.00	0.00	31.45	3574.80
	09/25/01	3606.25	31.67		0.00	0.00	31.67	3574.58
	12/11/01	3606.25	30.84		0.00	0.00	30.84	3575.41
	05/21/02	3606.25	31.21		0.00	0.00	31.21	3575.04
	06/08/02	3606.25	31.26		0.00	0.00	31.26	3574.99
	06/13/02	3606.25	31.28		0.00	0.00	31.28	3574.97
	06/15/02	3606.25	31.28		0.00	0.00	31.28	3574.97
	09/20/02	3606.25	31.46		0.00	0.00	31.46	3574.79
	10/15/02	3606.25	31.52		0.00	0.00	31.52	3574.73
	10/22/02	3606.25	31.53		0.00	0.00	31.53	3574.72
	10/25/02	3606.25	31.52		0.00	0.00	31.52	3574.73
	10/26/02	3606.25	31.54		0.00	0.00	31.54	3574.71
	11/04/02	3606.25	31.56		0.00	0.00	31.56	3574.69
	11/05/02	3606.25	31.56		0.00	0.00	31.56	3574.69
	11/22/02	3606.25	31.59		0.00	0.00	31.59	3574.66
	11/29/02	3606.25	31.56		0.00	0.00	31.56	3574.69
	12/16/02	3606.25	31.65		0.00	0.00	31.65	3574.60
	01/22/03	3606.25	31.60		0.00	0.00	31.60	3574.65
	02/08/03	3606.25	31.65		0.00	0.00	31.65	3574.60
	02/14/03	3606.25	31.64		0.00	0.00	31.64	3574.61
	02/24/03	3606.25	31.64		0.00	0.00	31.64	3574.61
	04/07/03	3606.25	31.75		0.00	0.00	31.75	3574.50
	04/24/03	3606.25	31.76		0.00	0.00	31.76	3574.49
	07/15/03	3606.25	31.90		0.00	0.00	31.90	3574.35
	08/02/03	3606.25	31.95		0.00	0.00	31.95	3574.30
	09/11/03	3606.25	32.04		0.00	0.00	32.04	3574.21
	10/15/03	3606.25	32.17		0.00	0.00	32.17	3574.08
	01/19/04	3606.25	32.35		0.00	0.00	32.35	3573.90
	04/19/04	3606.25	32.46		0.00	0.00	32.46	3573.79
	07/20/04	3606.25	32.59		0.00	0.00	32.59	3573.66
	10/25/04	3606.25	31.22		0.00	0.00	31.22	3575.03
	01/24/05	3606.25	29.97		0.00	0.00	29.97	3576.28
	04/18/05	3606.25	29.78		0.00	0.00	29.78	3576.47
	07/18/05	3606.25	29.85		0.00	0.00	29.85	3576.40
	10/17/05	3606.25	29.75		0.00	0.00	29.75	3576.50
	01/23/06	3606.25	29.95		0.00	0.00	29.95	3576.30
	04/24/06	3606.25	30.28		0.00	0.00	30.28	3575.97
	07/24/06	3606.25	30.59		0.00	0.00	30.59	3575.66
	10/23/06	3606.25	30.55		0.00	0.00	30.55	3575.70
	01/23/07	3606.25	30.68		0.00	0.00	30.68	3575.57
	04/23/07	3606.25	30.89		0.00	0.00	30.89	3575.36
	07/23/07	3606.25	31.08		0.00	0.00	31.08	3575.17
	10/22/07	3606.25	31.16		0.00	0.00	31.16	3575.09

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-20 cont.	01/28/08	3606.50	31.21		0.00	0.00	31.21	3575.29
	04/21/08	3606.50	31.38		0.00	0.00	31.38	3575.12
	07/21/08	3606.50	31.62		0.00	0.00	31.62	3574.88
	10/20/08	3606.50	31.82		0.00	0.00	31.82	3574.68
	01/19/09	3606.50	32.00		0.00	0.00	32.00	3574.50
	04/20/09	3606.50	32.22		0.00	0.00	32.22	3574.28
	07/27/09	3606.50	32.45		0.00	0.00	32.45	3574.05
	10/26/09	3606.50	32.63		0.00	0.00	32.63	3573.87
MW-21	01/25/10	3606.50	32.79		0.00	0.00	32.79	3573.71
	06/08/02	3603.51	24.62		0.00	0.00	24.62	3578.89
	06/13/02	3603.51	24.61		0.00	0.00	24.61	3578.90
	06/15/02	3603.51	24.63		0.00	0.00	24.63	3578.88
	09/20/02	3603.51	24.81		0.00	0.00	24.81	3578.70
	10/15/02	3603.51	24.86		0.00	0.00	24.86	3578.65
	10/22/02	3603.51	24.88		0.00	0.00	24.88	3578.63
	10/25/02	3603.51	24.92		0.00	0.00	24.92	3578.59
	10/26/02	3603.51	24.92		0.00	0.00	24.92	3578.59
	11/04/02	3603.51	24.93		0.00	0.00	24.93	3578.58
	11/05/02	3603.51	24.90		0.00	0.00	24.90	3578.61
	11/22/02	3603.51	24.87		0.00	0.00	24.87	3578.64
	11/29/02	3603.51	24.90		0.00	0.00	24.90	3578.61
	12/16/02	3603.51	24.95		0.00	0.00	24.95	3578.56
	01/22/03	3603.51	24.88		0.00	0.00	24.88	3578.63
	02/08/03	3603.51	24.89		0.00	0.00	24.89	3578.62
	02/14/03	3603.51	24.89		0.00	0.00	24.89	3578.62
	02/24/03	3603.51	24.90		0.00	0.00	24.90	3578.61
	04/07/03	3603.51	25.00		0.00	0.00	25.00	3578.51
	04/24/03	3603.51	25.01		0.00	0.00	25.01	3578.50
	07/15/03	3603.51	25.20		0.00	0.00	25.20	3578.31
	08/02/03	3603.51	25.28		0.00	0.00	25.28	3578.23
	09/11/03	3603.51	25.35		0.00	0.00	25.35	3578.16
	10/15/03	3603.51	25.48		0.00	0.00	25.48	3578.03
	01/19/04	3603.51	25.68		0.00	0.00	25.68	3577.83
	04/19/04	3603.51	25.68		0.00	0.00	25.68	3577.83
	07/20/04	3603.51	25.81		0.00	0.00	25.81	3577.70
	10/25/04	3603.51	23.56		0.00	0.00	23.56	3579.95
	01/24/05	3603.51	22.70		0.00	0.00	22.70	3580.81
	04/18/05	3603.51	22.64		0.00	0.00	22.64	3580.87
	07/18/05	3603.51	22.88		0.00	0.00	22.88	3580.63
	10/17/05	3603.51	22.88		0.00	0.00	22.88	3580.63
	01/23/06	3603.51	23.13		0.00	0.00	23.13	3580.38
	04/24/06	3603.51	23.49		0.00	0.00	23.49	3580.02
	07/24/06	3603.51	23.86		0.00	0.00	23.86	3579.65
	10/23/06	3603.51	23.82		0.00	0.00	23.82	3579.69
	01/23/07	3603.51	23.92		0.00	0.00	23.92	3579.59
	04/23/07	3603.51	24.15		0.00	0.00	24.15	3579.36
	07/23/07	3603.51	24.32		0.00	0.00	24.32	3579.19
	10/22/07	3603.51	24.35		0.00	0.00	24.35	3579.16
	01/28/08	3603.51	24.45		0.00	0.00	24.45	3579.06
	04/21/08	3603.51	24.65		0.00	0.00	24.65	3578.86
	07/21/08	3603.51	24.95		0.00	0.00	24.95	3578.56
	10/20/08	3603.51	25.17		0.00	0.00	25.17	3578.34
	01/19/09	3603.51	25.29		0.00	0.00	25.29	3578.22
	04/20/09	3603.51	25.50		0.00	0.00	25.50	3578.01
	07/27/09	3603.51	25.79		0.00	0.00	25.79	3577.72
	10/26/09	3603.51	24.91		0.00	0.00	24.91	3578.60
	01/25/10	3603.51	26.10		0.00	0.00	26.10	3577.41
MW-22	06/08/02	3603.27	24.20		0.00	0.00	24.20	3579.07
	06/13/02	3603.27	24.41		0.00	0.00	24.41	3578.86
	06/15/02	3603.27	24.44		0.00	0.00	24.44	3578.83
	09/20/02	3603.27	24.59		0.00	0.00	24.59	3578.68
	10/15/02	3603.27	24.69		0.00	0.00	24.69	3578.58
	10/22/02	3603.27	24.67		0.00	0.00	24.67	3578.60
	10/25/02	3603.27	24.66		0.00	0.00	24.66	3578.61
	10/26/02	3603.27	24.70		0.00	0.00	24.70	3578.57

Table 1
Water Level Measurements
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-22 cont.	11/04/02	3603.27	24.63		0.00	0.00	24.63	3578.64
	11/05/02	3603.27	24.55		0.00	0.00	24.55	3578.72
	11/22/02	3603.27	24.55		0.00	0.00	24.55	3578.72
	11/29/02	3603.27	24.51		0.00	0.00	24.51	3578.76
	12/16/02	3603.27	24.50		0.00	0.00	24.50	3578.77
	01/22/03	3603.27	24.40		0.00	0.00	24.40	3578.87
	02/08/03	3603.27	24.44		0.00	0.00	24.44	3578.83
	02/14/03	3603.27	24.45		0.00	0.00	24.45	3578.82
	02/24/03	3603.27	24.50		0.00	0.00	24.50	3578.77
	04/07/03	3603.27	24.67		0.00	0.00	24.67	3578.60
	04/24/03	3603.27	24.67		0.00	0.00	24.67	3578.60
	07/15/03	3603.27	25.00		0.00	0.00	25.00	3578.27
	08/02/03	3603.27	25.09		0.00	0.00	25.09	3578.18
	09/11/03	3603.27	25.16		0.00	0.00	25.16	3578.11
	10/15/03	3603.27	25.30		0.00	0.00	25.30	3577.97
	01/19/04	3603.27	25.60		0.00	0.00	25.60	3577.67
	04/19/04	3603.27	25.59		0.00	0.00	25.59	3577.68
	07/20/04	3603.27	25.35		0.00	0.00	25.35	3577.92
	10/25/04	3603.27	23.79		0.00	0.00	23.79	3579.48
	01/24/05	3603.27	22.25		0.00	0.00	22.25	3581.02
	04/18/05	3603.27	21.95		0.00	0.00	21.95	3581.32
	07/18/05	3603.27	22.25		0.00	0.00	22.25	3581.02
	10/17/05	3603.27	22.17		0.00	0.00	22.17	3581.10
	01/23/06	3603.27	22.49		0.00	0.00	22.49	3580.78
	04/24/06	3603.27	22.99		0.00	0.00	22.99	3580.28
	07/24/06	3603.27	23.42		0.00	0.00	23.42	3579.85
	10/23/06	3603.27	23.09		0.00	0.00	23.09	3580.18
	01/23/07	3603.27	23.17		0.00	0.00	23.17	3580.10
	04/23/07	3603.27	23.56		0.00	0.00	23.56	3579.71
	07/23/07	3603.27	23.57		0.00	0.00	23.57	3579.70
	10/22/07	3603.27	23.58		0.00	0.00	23.58	3579.69
	01/28/08	3603.27	23.63		0.00	0.00	23.63	3579.64
	04/21/08	3603.27	24.01		0.00	0.00	24.01	3579.26
	07/21/08	3603.27	24.46		0.00	0.00	24.46	3578.81
	10/20/08	3603.27	24.65		0.00	0.00	24.65	3578.62
	01/19/09	3603.27	24.73		0.00	0.00	24.73	3578.54
	04/20/09	3603.27	25.08		0.00	0.00	25.08	3578.19
	07/27/09	3603.27	25.42		0.00	0.00	25.42	3577.85
	10/26/09	3603.27	25.40		0.00	0.00	25.40	3577.87
	01/25/10	3603.27	25.68		0.00	0.00	25.68	3577.59
MW-23	06/08/02	3604.62	25.15		0.00	0.00	25.15	3579.47
	06/13/02	3604.62	25.13		0.00	0.00	25.13	3579.49
	06/15/02	3604.62	25.15		0.00	0.00	25.15	3579.47
	09/20/02	3604.62	25.30		0.00	0.00	25.30	3579.32
	10/15/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	10/22/02	3604.62	25.38		0.00	0.00	25.38	3579.24
	10/25/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	10/26/02	3604.62	25.39		0.00	0.00	25.39	3579.23
	11/04/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	11/05/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	11/22/02	3604.62	25.41		0.00	0.00	25.41	3579.21
	11/29/02	3604.62	25.34		0.00	0.00	25.34	3579.28
	12/16/02	3604.62	25.15		0.00	0.00	25.15	3579.47
	01/22/03	3604.62	25.15		0.00	0.00	25.15	3579.47
	02/08/03	3604.62	25.17		0.00	0.00	25.17	3579.45
	02/14/03	3604.62	25.26		0.00	0.00	25.26	3579.36
	02/24/03	3604.62	25.40		0.00	0.00	25.40	3579.22
	04/07/03	3604.62	25.45		0.00	0.00	25.45	3579.17
	04/24/03	3604.62	25.48		0.00	0.00	25.48	3579.14
	07/15/03	3604.62	25.70		0.00	0.00	25.70	3578.92
	08/02/03	3604.62	25.77		0.00	0.00	25.77	3578.85
	09/11/03	3604.62	25.85		0.00	0.00	25.85	3578.77
	10/15/03	3604.62	26.02		0.00	0.00	26.02	3578.60
	01/19/04	3604.62	26.31		0.00	0.00	26.31	3578.31
	04/19/04	3604.62	26.34		0.00	0.00	26.34	3578.28

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-23 cont.	07/20/04	3604.62	26.17		0.00	0.00	26.17	3578.45
	10/25/04	3604.62	24.56		0.00	0.00	24.56	3580.06
	01/24/05	3604.62	23.25		0.00	0.00	23.25	3581.37
	04/18/05	3604.62	22.85		0.00	0.00	22.85	3581.77
	07/18/05	3604.62	23.04		0.00	0.00	23.04	3581.58
	10/17/05	3604.62	22.97		0.00	0.00	22.97	3581.65
	01/23/06	3604.62	23.22		0.00	0.00	23.22	3581.40
	04/24/06	3604.62	23.69		0.00	0.00	23.69	3580.93
	07/24/06	3604.62	24.12		0.00	0.00	24.12	3580.50
	10/23/06	3604.62	23.85		0.00	0.00	23.85	3580.77
	01/23/07	3604.62	23.86		0.00	0.00	23.86	3580.76
	04/23/07	3604.62	24.24		0.00	0.00	24.24	3580.38
	07/23/07	3604.62	24.28		0.00	0.00	24.28	3580.34
	10/22/07	3604.62	24.26		0.00	0.00	24.26	3580.36
	01/28/08	3604.62	24.34		0.00	0.00	24.34	3580.28
	04/21/08	3604.62	24.66		0.00	0.00	24.66	3579.96
	07/21/08	3604.62	25.09		0.00	0.00	25.09	3579.53
	10/20/08	3604.62	25.32		0.00	0.00	25.32	3579.30
	01/19/09	3604.62	25.40		0.00	0.00	25.40	3579.22
	04/20/09	3604.62	25.70		0.00	0.00	25.70	3578.92
	07/27/09	3604.62	26.07		0.00	0.00	26.07	3578.55
SVE-10	10/26/09	3604.62	26.10		0.00	0.00	26.10	3578.52
	01/25/10	3604.62	26.39		0.00	0.00	26.39	3578.23
	06/15/02	3605.12	25.24		0.00	0.00	25.24	3579.88
	11/04/02	3605.12	25.43		0.00	0.00	25.43	3579.69
	11/05/02	3605.12	25.44		0.00	0.00	25.44	3579.68
	11/22/02	3605.12	25.58		0.00	0.00	25.58	3579.54
	11/29/02	3605.12	25.63		0.00	0.00	25.63	3579.49
	12/16/02	3605.12	25.68		0.00	0.00	25.68	3579.44
	01/22/03	3605.12	25.70		0.00	0.00	25.70	3579.42
	02/08/03	3605.12	25.73		0.00	0.00	25.73	3579.39
	02/14/03	3605.12	25.70		0.00	0.00	25.70	3579.42
	02/24/03	3605.12	25.73		0.00	0.00	25.73	3579.39
	04/07/03	3605.12	25.93		0.00	0.00	25.93	3579.19
	04/24/03	3605.12	25.84		0.00	0.00	25.84	3579.28
	07/15/03	3605.12	25.86		0.00	0.00	25.86	3579.26
	08/02/03	3605.12	25.93		0.00	0.00	25.93	3579.19
	10/15/03	3605.12	25.94		0.00	0.00	25.94	3579.18
	01/19/04	3605.12	26.79		0.00	0.00	26.79	3578.33
	04/19/04	3605.12	26.62		0.00	0.00	26.62	3578.50
	07/20/04	3605.12	26.86		0.00	0.00	26.86	3578.26
	10/25/04	3605.12	25.22		0.00	0.00	25.22	3579.90
	01/24/05	3605.12	24.01		0.00	0.00	24.01	3581.11
	04/18/05	3605.12	23.79		0.00	0.00	23.79	3581.33
	07/18/05	3605.12	23.91		0.00	0.00	23.91	3581.21
	10/17/05	3605.12	23.89		0.00	0.00	23.89	3581.23
	01/23/06	3605.12	24.11		0.00	0.00	24.11	3581.01
	04/24/06	3605.12	24.50		0.00	0.00	24.50	3580.62
	07/24/06	3605.12	24.87		0.00	0.00	24.87	3580.25
	10/23/06	3605.12	24.76		0.00	0.00	24.76	3580.36
	01/23/07	3605.12	24.84		0.00	0.00	24.84	3580.28
	04/23/07	3605.12	25.11		0.00	0.00	25.11	3580.01
	07/23/07	3605.12	25.24		0.00	0.00	25.24	3579.88
	10/22/07	3605.12	25.27		0.00	0.00	25.27	3579.85
	01/28/08	3605.12	25.34		0.00	0.00	25.34	3579.78
	04/21/08	3605.12	25.56		0.00	0.00	25.56	3579.56
	07/21/08	3605.12	25.87		0.00	0.00	25.87	3579.25
	10/20/08	3605.12	26.10		0.00	0.00	26.10	3579.02

Table 1
Water Level Measurements
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
SVE-10 cont.	01/19/09	3605.12	26.20		0.00	0.00	26.20	3578.92
	04/20/09	3605.12	26.44		0.00	0.00	26.44	3578.68
	07/27/09	3605.12	26.70		0.00	0.00	26.70	3578.42
	10/26/09	3605.12	26.83		0.00	0.00	26.83	3578.29
	01/25/10	3605.12	27.10		0.00	0.00	27.10	3578.02

Notes:

L.P.H = Liquid Phase Hydrocarbons

NM = Not Measured

Blank Fields Indicate No Data

Same Measurements of L.P.H. and Water Indicate a Sheen is Present

Table 2a
Summary of Groundwater Analytical Data - Organics
 ConocoPhillips
 East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-2	07/29/09	15,000	2,000	640	1,540	19,180	62	10
	10/28/09	9,800	820	420	930	11,970	36	2.6
	01/27/10	1.3	1.1	11	1.1	15	0.71	2.2
MW-3	07/29/09	9,200	80	330	700	10,310	33	3.7
	10/28/09	6,400	26	270	590	7,286	22	3.9
	01/27/10	7,700	22	310	380	8,412	48	2.6
MW-4	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.17
MW-5	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/29/09	7.2	5.5	<1.0	49	61.7	0.29	0.34
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.065
	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.15
MW-6	04/22/09	340	280	180	275	1,075	11	5.8
	07/29/09	180	210	180	247	817	4.2	2.2
	10/28/09	200	130	290	310	930	6.9	5.1
	01/27/10	98	50	180	164	492	4.2	3
MW-11	07/29/09	5,900	80	770	2,020	8,770	39	7.1
	10/28/09	5,200	43	880	2,410	8,533	29	8.6
	01/27/10	5,600	76	970	2,480	9,126	67	10
MW-12	04/22/09	3,600	1.5	190	181	3,972.5	11	0.15
	04/22/09 D	3,900	1.1	230	221	4,352.1	14	0.28
	07/29/09	4,100	2.2	180	206	4,488.2	16	0.37
	07/29/09 D	4,300	1.9	200	220	4,721.9	17	0.28
	10/28/09	4,500	1.8	180	209.1	4,890.9	17	0.42
	10/28/09 D	4,300	2.5	210	260	4,772.5	18	0.47
	01/27/10	4,500	2.2	170	174	4,846.2	18	0.45
	01/27/10 D	4,200	1.9	140	175.6	4,517.5	16	0.46
MW-13	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
MW-14	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.37
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.063
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.075
	01/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.068
MW-15	04/21/09	<1.0	<1.0	<1.0	1.2	1.2	0.20	27
	07/28/09	<1.0	<1.0	<1.0	<1.0	BDL	0.30	7.3
	10/27/09	<1.0	<1.0	<1.0	<1.0	BDL	0.16	8.5
	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	0.15	3
MW-16	04/21/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/27/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.072
MW-18	04/22/09	4,400	<1.0	120	118	4,638	12	0.19
	07/29/09	5,000	<1.0	140	142	5,282	15	0.26
	10/28/09	4,500	<1.0	120	125	4,745	12	0.29
	01/27/10	5,000	<1.0	130	152	5,282	15	0.3
MW-19	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
MW-20	04/21/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.092
	07/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.07
	10/27/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.056
	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.074
MW-21	04/21/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/27/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.14
MW-22	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.061
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
MW-23	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.24
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05

Table 2a
Summary of Groundwater Analytical Data - Organics
 ConocoPhillips
 East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-24	04/21/09	2.3	15	36	15.9	69.2	1.3	0.38
	04/21/09 D	2.0	3.5	16	5.3	26.8	0.46	0.34
	07/28/09	<1.0	4	7.2	2.6	13.8	0.86	0.44
	07/28/09 D	1.2	4.2	15	3.6	24.0	0.86	0.52
	10/28/09	<1.0	<1.0	6.8	1.5	8.3	0.81	0.53
	10/28/09 D	<1.0	<1.0	14	2.3	16.3	0.76	0.47
	01/26/10	1.4	<1.0	8.1	<1.0	9.5	0.73	0.42
MW-25	01/26/10 D	1.2	<1.0	7.6	<1.0	8.8	0.67	0.4
	04/21/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.079
	07/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.16
	10/27/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.34
MW-26	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.12
	04/22/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.71
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
MW-27	01/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.051
	04/22/09	120	6.8	3.1	6.6	136.5	0.40	<0.05
	07/29/09	27	3.4	<1.0	<1.0	30.4	0.13	<0.05
	10/28/09	19	1	<1.0	<1.0	20.0	<0.10	<0.05
SVE-10	01/27/10	5	<1.0	<1.0	<1.0	5.0	<0.10	<0.05
	04/22/09	2.5	<1.0	<1.0	<1.0	2.5	0.11	0.32
	07/29/09	<1.0	<1.0	<1.0	<1.0	BDL	0.12	0.17
	10/28/09	<1.0	<1.0	<1.0	<1.0	BDL	0.56	0.34
SVE-10	01/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.1

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

BDL = below detection limit

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

D = duplicate sample

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-2	07/29/09	15,000	2,000	640	1,540	62	10
	10/28/09	9,800	820	420	930	36	2.6
	01/27/10	1.3	1.1	11	1.1	0.71	2.2
MW-3	01/23/03	1,440	19	30	79	5.56	13.6
	04/24/08	13,000	540	660	1,440	120	13
	07/25/08	10,000	130	460	850	59	22
	10/22/08	15,000	270	490	1,100	NA	2.3
	07/29/09	9,200	80	330	700	33	3.7
	10/28/09	6,400	26	270	590	22	3.9
	01/27/10	7,700	22	310	380	48	2.6
MW-4	01/13/00	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
	04/06/00	19	0.83	1.2	3.2	<1.0	<1.0
	08/02/00	2	<0.5	<0.5	<2	<0.98	<0.98
	11/15/00	24	0.64	0.6	<2	0.52	<0.50
	03/06/01	110	1.6	9.4	16	1.7	<0.55
	06/25/01	66	0.73	1.3	<2	0.83	<0.59
	09/26/01	80	0.5	3.9	5.7	0.55	<0.50
	12/12/01	39	1.5	<1.00	<1.00	0.369	<0.101
	05/21/02	78	7.9	1.5	5.7	0.567	<0.103
	10/16/02	45	<1.0	2.5	5.3	0.177	<0.102
	01/23/03	268	160	7.5	88.5	1.58	0.141
	04/25/03	589	372	16.1	114	2.4	0.159
	07/14/03	54.9	45.7	4.7	11.3	0.405	<0.10
	10/17/03	6.8	2.8	<1.0	<3.0	<0.10	0.59
	01/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/28/04	2.0	<1.0	<1.0	<3.0	<0.10	0.19
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.19
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.31
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.093
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.23
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.073
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.34
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.15
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.058
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.26
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.051
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	1.0	<1.0	<1.0	<0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.062
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.17
MW-5	01/13/00	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
	04/06/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	<0.5	<0.5	<0.5	<2	<0.99	<0.99
	11/15/00	1.2	0.78	<0.5	<2	0.26	0.92
	03/06/01	8.1	7	0.65	<2	0.66	<0.54
	06/25/01	19	26	2.3	<2	0.87	<0.53
	09/26/01	85	46	2.8	18	0.76	<0.50
	12/12/01	164	106	7.3	50	1.42	<0.101
	05/21/02	146	119	11.1	32	1.23	<0.101
	10/16/02	273	179	<10	42	1.60	0.188
	01/23/03	1,980	1,480	68	594	10	0.548
	04/25/03	1,190	863	58	318	6.37	0.256
	07/14/03	119	123	13.4	42.1	0.842	<0.10
	10/17/03	22	22	3	9.7	<0.10	0.99
	01/22/04	32	12	1.1	<3.0	0.16	<0.048
	04/22/04	20	23	2.1	3.5	0.32	<0.20
	04/22/04 D	21	27	2.4	6.1	0.37	<0.20
	07/23/04	11	10	1.2	<3.0	0.13	<0.048
	10/28/04	28	29	1.5	8.1	0.20	0.077
	01/26/05	8.9	9.1	2.0	4.9	<0.10	0.069
	01/26/05 D	8.7	9.0	1.9	4.8	<0.10	0.098
	04/20/05	79	36	<1.0	43	0.42	0.064
	07/20/05	4.9	4.4	<1.0	<3.0	<0.10	0.083
	10/19/05	14	9.6	<1.0	11	<0.10	0.089

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-5 cont.	01/25/06	2.1	2.8	<1.0	<3.0	<0.10	0.53
	04/26/06	<1.0	1.4	<1.0	<3.0	<0.10	0.11
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.19
	10/25/06	<1.0	1.1	<1.0	<3.0	<0.10	0.08
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.15
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.23
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.34
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.33
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	0.11
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	2.4
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/29/09	7.2	5.5	<1.0	49	0.29	0.34
MW-6	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.065
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.15
	01/13/00	3,300	2,000	240	580	<2.0	<2.0
	04/06/00	3,900	1,100	270	540	<1.0	<1.0
	07/20/05	2,000	920	340	870	12	3.0
	10/20/05	1,700	1,100	300	940	1.7	5.9
	01/26/06	2,000	770	250	700	16	5.8
	07/27/06	1,900	250	280	380	11	22
	10/26/06	1,600	810	360	690	14	15
	01/26/07	1,100	750	280	500	14	29
	04/26/07	1,500	1,200	310	660	15	6.7
	07/25/07	690	360	170	250	6.6	4.6
	10/25/07	550	390	150	180	4.5	4.4
	10/25/07 D	930	840	220	380	8.5	21.0
	01/31/08	1,200	1,200	310	520	11	8.9
MW-8	01/31/08 D	1,200	1,100	300	550	12	9.1
	04/24/08	1,500	1,500	410	840	20	13
	07/25/08	720	690	250	410	8.4	17
	10/22/08	550	300	240	261	NA	0.56
	01/21/09	350	270	200	247	4.2	4.1
	04/22/09	340	280	180	275	11	5.8
	07/29/09	180	210	180	247	4.2	2.2
	10/28/09	200	130	290	310	6.9	5.1
	01/27/10	98	50	180	164	4.2	3
	01/13/00	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
	04/06/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	<0.5	<0.5	<0.5	<2	<0.94	<0.94
	11/15/00	<0.5	<0.5	<0.5	<2	<1.0	0.86
	03/06/01	<0.5	<0.5	<0.5	<2	<1.0	<0.54
	06/25/01	<0.5	<0.5	<0.5	<2	<0.10	<0.55
MW-9	09/26/01	54	0.6	<0.5	2.4	0.24	<0.50
	12/12/01	593	18	8.5	48	1.56	0.107
	05/21/02	912	56.9	50	91.7	2.90	<0.101
	10/16/02	NA	NA	NA	NA	NA	0.269
	01/22/03	2,520	406	252	398	10.5	1.73
	01/31/08	2,300	270	340	890	30	130
	04/24/08	21,000	940	570	1,380	79	25
MW-10	01/13/00	4,100	490	440	720	<2.0	<2.0
	04/06/00	400	53	66	98	<1.0	<1.0
	08/02/00	220	12	27	55	<1.10	<1.10
MW-11	04/06/00	4,100	2,400	290	420	1.60	1.60
	08/02/00	3,900	2,100	260	510	2.50	2.50
	11/15/00	4,800	2,500	220	350	30	<0.53
	03/06/01	5,300	3,400	340	580	41	0.59
	06/25/01	5,100	3,700	340	<40	49	0.87
	04/24/08	7,400	360	680	1,800	34	28
	07/25/08	7,600	460	990	2,450	36	20
	10/22/08	8,600	460	1,000	2,700	NA	6.1
	01/21/09	6,600	210	720	1,910	28	6.8
	07/29/09	5,900	80	770	2,020	39	7.1
	10/28/09	5,200	43	880	2,410	29	8.6
	01/27/10	5,600	76	970	2,480	67	10
MW-12	04/06/00	2,000	200	110	200	<1.20	<1.20
	08/02/00	2,900	22	97	160	<0.97	<0.97
	11/15/00	4,100	87	170	220	21	1.40
	03/06/01	4,300	120	210	290	24	<0.56
	06/25/01	4,100	120	220	<40	30	1.10
	09/26/01	3,300	120	150	200	19	0.85
	12/12/01	3,520	290	258	376	18.5	0.285

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-12 cont.	05/21/02	4,040	265	195	284	16.4	0.104
	10/16/02	NA	NA	NA	NA	NA	0.351
	01/23/03	3,610	346	261	437	20.1	0.442
	04/25/03	3,510	202	78	437	13.2	0.594
	07/14/03	3,900	316	357	575	17.1	0.598
	10/20/03	1,900	30	130	220	6.40	0.23
	01/21/04	2,700	130	300	450	12	0.25
	04/21/04	2,900	<10	95	150	11	<0.20
	07/23/04	3,200	<10	66	160	12	0.33
	07/23/04 D	3,300	<10	71	160	12	0.33
	10/28/04	3,200	16	46	140	14	0.52
	01/27/05	4,000	<20	66	130	15	1.20
	01/27/05 D	3,900	<20	67	130	15	1.30
	04/21/05	2,700	41	120	140	12	1.20
	04/21/05 D	2,600	38	110	140	12	1.00
	07/21/05	3,000	51	160	170	13	0.85
	07/21/05 D	2,800	54	150	160	13	0.73
	10/20/05	2,300	<1.0	95	170	15	1.0
	10/20/05 D	2,100	21	100	160	13	0.95
	01/26/06	2,800	<1.0	59	140	14	0.89
	01/26/06 D	2,900	13	160	150	14	0.43
	04/27/06	2,700	<1.0	130	120	12	0.84
	04/27/06 D	2,900	<1.0	120	130	13	1.00
	07/27/06	3,600	<1.0	150	160	15	1.00
	07/27/06 D	3,700	<1.0	150	160	15	1.30
	10/26/06	3,400	<1.0	120	170	13	0.64
	10/26/06 D	3,400	<1.0	190	180	14	0.92
	01/26/07	3,000	<1.0	160	160	14	1.00
	01/26/07 D	3,200	<1.0	150	170	15	1.30
	04/26/07	3,200	<1.0	230	200	14	0.58
	04/26/07 D	3,100	<1.0	200	200	14	0.60
	07/25/07	3,000	<1.0	110	140	14	0.86
	07/25/07 D	3,500	3.8	210	220	15	1.7
	10/25/07	2,700	<1.0	96	140	12	0.60
	10/25/07 D	2,900	<1.0	180	180	14	0.95
	01/31/08	2,800	<1.0	200	180	12	0.63
	01/31/08 D	3,100	<1.0	280	255	13	0.67
	04/24/08	3,400	<10.0	240	225	15	<0.10
	04/24/08 D	2,900	<10.0	220	201	13	0.75
	07/25/08	2,700	<25.0	130	100	8.9	0.53
	07/25/08 D	2,500	<25.0	120	90	8.7	0.47
	10/22/08	5,000	6.5	350	300	NA	0.52
	10/22/08 D	4,600	7.1	340	287	NA	0.41
	01/21/09	3,500	<10.0	220	193	14	0.48
	01/21/09 D	3,000	<20.0	240	180	14	0.47
	04/22/09	3,600	1.5	190	181	11	0.15
	04/22/09 D	3,900	1.1	230	221	14	0.28
	07/29/09	4,100	2.2	180	206	16	0.37
	07/29/09 D	4,300	1.9	200	220	17	0.28
	10/28/09	4,500	1.8	180	209.1	17	0.42
	10/28/09 D	4,300	2.5	210	260	18	0.47
	01/27/10	4,500	2.2	170	174	18	0.45
	01/27/10 D	4,200	1.9	140	175.6	16	0.46
MW-13	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	<0.5	<0.5	<0.5	<2	<0.99	<0.99
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	1.10
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	0.50
	06/25/01	480	1	<0.5	<2	2	<0.53
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.51
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	0.132
	05/21/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	10/16/02	NA	NA	NA	NA	NA	<0.102
	01/22/03	<1	<1	<1	<1	<0.10	<0.105
	04/24/03	<1	<1	<1	<1	<0.10	<0.105
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.112
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.26
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/21/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-13 cont.	10/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.062
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.087
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.077
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.120
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.096
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.086
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.05
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
MW-14	06/02/00	370	5.3	1.7	11	<1.0	<1.0
	08/02/00	760	1.9	2.9	13	<1.0	<1.0
	11/15/00	840	0.9	<0.5	11	2.6	1.5
	03/06/01	730	<2.5	<2.5	11	2.8	<0.56
	06/25/01	340	0.82	<0.5	<2	1.4	NS
	09/26/01	370	<1.0	<1.0	<4.0	0.96	<0.50
	12/12/01	393	<10	<10	<10	0.89	0.148
	05/21/02	42.1	<1.00	<1.00	<1.00	<0.10	<0.101
	10/16/02	228	<1.00	<1.00	<1.00	0.629	0.206
	01/23/03	130	<1.00	<1.00	<1.00	0.375	0.108
	04/25/03	24.9	<1.00	<1.00	<1.00	0.10	0.104
	07/14/03	56.6	<1.0	<1.0	<1.0	0.264	0.215
	10/20/03	<1.0	<1.0	<1.0	<3.0	0.11	0.14
	01/21/04	34	<1.0	<1.0	<3.0	0.18	0.12
	04/21/04	5.2	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	4.0	<1.0	<1.0	<3.0	<0.10	0.059
	10/28/04	2.4	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	6.1	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	4.4	<1.0	<1.0	<3.0	<0.10	0.086
	07/21/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.058
	10/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.073
	01/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.33
	04/27/06	<1.0	<1.0	1.2	<3.0	<0.10	0.055
	07/27/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.077
	10/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	0.11	0.18
	04/26/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.13
	07/25/07	<1.0	<1.0	<1.0	<3.0	0.10	0.20
	10/25/07	<1.0	<1.0	<1.0	<3.0	0.12	0.098
	01/30/08	<1.0	<1.0	<1.0	<3.0	0.11	0.12
	04/23/08	1.2	<1.0	<1.0	<1.0	0.10	0.64
	07/24/08	1.2	<1.0	<1.0	<1.0	<0.10	0.11
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	0.1
	01/21/09	1.1	<1.0	<1.0	<1.0	<0.10	0.086
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.37
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.063
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.075
	01/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.068
MW-15	06/02/00	830	770	130	170	2.1	2.1
	08/02/00	330	250	42	52	2.8	2.8
	11/15/00	2,000	2,000	470	650	29	3.0
	07/20/05	14	<1.0	7.6	<3.0	1.1	15
	10/19/05	3.3	<1.0	4.7	<3.0	0.70	7.8
	01/25/06	5.2	9.5	<1.0	<3.0	0.89	23
	04/26/06	3.8	9.5	5.7	<3.0	0.87	30
	07/26/06	<1.0	<1.0	2.7	<3.0	0.45	9.3
	10/25/06	<1.0	<1.0	4.7 F	<3.0	0.43	8.0
	01/25/07	<1.0	<1.0	<1.0	<3.0	0.32	7.0
	04/25/07	<1.0	<1.0	3.7	<3.0	0.43	3.6
	07/24/07	4.7	<1.0	4.5	<3.0	0.22	3.3
	10/24/07	<1.0	<1.0	3.0	<3.0	0.26	3.9
	01/30/08	1.5	<1.0	<1.0	<3.0	0.55	5.7
	04/23/08	1.2	<1.0	<1.0	1.2	0.43	11,000
	07/24/08	<10.0	<10.0	<10.0	<10.0	<1.0	0.37
	10/21/08	<1.0	1.5	<1.0	3.6	NA	2.6

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-15 cont.	01/21/09	<1.0	<1.0	<1.0	1.1	0.38	14
	04/21/09	<1.0	<1.0	<1.0	1.2	0.20	27
	07/28/09	<1.0	<1.0	<1.0	<1.0	0.30	7.3
	10/27/09	<1.0	<1.0	<1.0	<1.0	0.16	8.5
	01/26/10	<1.0	<1.0	<1.0	<1.0	0.15	3
MW-16	06/02/00	0.94	0.96	21	6.9	<1.0	<1.0
	08/02/00	<0.5	<0.5	13	<2	<1.0	<1.0
	11/15/00	<0.5	1.10	4	<2	0.20	<0.50
	03/06/01	<0.5	1.20	7.6	<2	0.31	<0.56
	06/25/01	<0.5	<0.5	<0.5	<2	0.30	<0.56
	09/26/01	<0.5	1.20	<0.5	<2	0.19	<0.50
	12/12/01	1.80	<1.00	<1.00	<1.00	0.132	0.248
	05/21/02	1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	10/15/02	NA	NA	NA	NA	NA	NA
	01/22/03	1.00	<1	<1	<1	<0.10	0.124
	04/24/03	<1	<1	<1	<1	<0.10	0.124
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.276
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.98
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.087
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.08
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.053
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.050
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.084
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.063
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.12
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.12
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.16
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/20/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.25
	04/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/27/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.072
MW-17	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	6	<0.5	9.3	<2	<0.97	<0.97
	11/15/00	3.9	1.9	5.4	2.1	0.65	5.6
	03/06/01	6.8	1.9	39	14	0.98	<0.54
	06/25/01	1.3	<0.5	0.7	<2	0.44	NS
	09/26/01	1.4	2.2	1.2	<2	0.49	<0.50
	12/12/01	8	<1.00	50.4	40.1	1.12	1.82
	05/21/02	4	<1.00	1.8	<1.00	0.423	0.834
	10/15/02	<1.00	<1.00	<1.00	<1.00	0.105	NA
	01/22/03	<1	<1	<1	<1	<1.0	0.124
	04/24/03	<1	<1	<1	<1	<1.0	0.124
	07/14/03	<1.00	<1	<1	<1	<1.0	0.126
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.072
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.062
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.068
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.056
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.062
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.480
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.230
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.08
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.20
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	0.25
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.31
	07/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.33
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	0.21
MW-18	06/02/00	600	0.66	120	45	<1.0	<1.0
	08/02/00	780	<0.5	150	46	<0.99	<0.99
	11/15/00	850	0.94	93	50	4.60	1.10

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-18 cont.	03/06/01	840	<2.5	160	65	8.70	<0.55
	06/25/01	660	2.6	150	<2	1.0	0.59
	09/26/01	500	<5.0	93	39	4.4	<0.51
	12/12/01	529	<10	127	54	4.05	0.261
	05/21/02	483	<1.00	105	52	4.48	<0.101
	10/16/02	NA	NA	NA	NA	NA	0.174
	01/23/03	121	<1	11	16.2	1.86	<0.10
	04/25/03	591	<1	135	61.1	4.08	0.183
	07/14/03	589	<10	219	101	6.39	0.438
	10/20/03	300	2.3	<1.0	<3.0	1.90	0.13
	01/21/04	260	<1.0	130	73	4.30	0.11
	04/21/04	360	<1.0	69	55	3.0	<0.20
	07/22/04	520	<1.0	110	70	4.0	0.15
	10/28/04	300	<1.0	8.7	19	1.6	0.12
	01/26/05	310	<1.0	14	24	1.8	0.15
	04/20/05	550	<1.0	49	31	2.7	0.15
	07/21/05	<1.0	<1.0	<1.0	<3.0	3.5	0.11
	10/20/05	820	7.5	49	37	3.7	0.18
	01/26/06	890	33	37	46	3.9	0.12
	04/27/06	1,600	54	71	83	6.1	0.14
	07/27/06	2,400	140	86	110	8.7	0.54
	10/26/06	2,600	100	200	400	8.9	0.19
	01/26/07	2,700	<1.0	110	96	9.3	0.27
	04/26/07	3,000	<1.0	230	200	9.2	0.30
	07/25/07	2,700	<1.0	96	87	9.6	0.42
	10/25/07	2,600	<1.0	81	83	7.9	0.29
	01/30/08	3,500	<1.0	78	51	7	0.29
	04/24/08	3,100	<10.0	80	59	8.6	0.31
	07/24/08	4,800	<5.0	58	39.3	10	0.22
	10/22/08	5,200	1.8	140	108	NA	0.25
	01/21/09	3,900	<25.0	100	64	11	0.24
	04/22/09	4,400	<1.0	120	118	12	0.19
	07/29/09	5,000	<1.0	140	142	15	0.26
	10/28/09	4,500	<1.0	120	125	12	0.29
	01/27/10	5,000	<1.0	130	152	15	0.3
MW-19	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	1.8	6.3	<0.5	11.2	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	<0.51
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	<0.55
	06/25/01	<0.5	0.58	<0.5	<2	<0.10	<0.56
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.54
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	05/21/02	<1.00	<1.00	<1.00	<1.00	0.106	<0.101
	10/15/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	01/22/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	<0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.17
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	07/21/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.048
	01/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.084
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/27/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.11
	10/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.059
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.061
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-20	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	4	3.8	4.1	12.7	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	1.20
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	0.55
	06/25/01	<0.5	0.7	<0.5	<2	<0.10	<0.56
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.52
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	05/21/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	10/15/02	<1.00	<1.00	<1.00	<1.00	<0.10	NA
	01/22/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.63
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.15
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.067
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.061
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.075
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.19
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/20/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.067
	04/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.092
	07/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.07
	10/27/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.056
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.074
MW-21	06/13/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/15/02	NA	NA	NA	NA	NA	<0.105
	01/22/03	<1	<1	<1	<1	<0.10	<0.116
	04/24/03	<1	<1	<1	<1	<0.10	<0.116
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.14
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.75
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.090
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.25
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.053
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.074
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.087
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.18
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.11
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/20/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	04/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/27/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.14

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-22	06/13/02	NA	NA	NA	NA	NA	<0.10
	06/20/02	<1.0	<1.0	<1.0	<1.0	<0.10	<0.101
	10/15/02	<1.0	<1.0	<1.0	<1.0	<0.10	<0.102
	01/22/03	<1.0	<1.0	<1.0	<1.0	<0.10	<0.101
	04/24/03	<1.0	<1.0	<1.0	<1.0	<0.10	<0.101
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	<0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.35
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/21/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.094
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.073
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.081
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.068
	04/26/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.20
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.13
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.061
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
MW-23	06/13/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/15/02	<1.00	<1.00	<1.00	<1.00	<0.10	0.353
	01/22/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.33
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.089
	07/21/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.20
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.099
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.055
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.097
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.052
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.098
	10/24/07	1.6	<1.0	1.0	<3.0	<0.10	<0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	<0.05
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.24
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
MW-24	07/22/04	400	36	37	35	2.2	0.45
	10/27/04	48	4.9	11	<3.0	0.65	0.33
	01/26/05	80	<1.0	17	12	0.65	0.32
	04/20/05	150	<1.0	38	14	2.2	0.53
	07/20/05	65	4.1	23	5.4	0.55	0.51
	10/19/05	140	<1.0	60	21	1.9	0.38
	10/19/05 D	110	<1.0	31	11	1.2	0.43
	01/25/06	93	2.3	35	11	1.3	0.54
	01/25/06 D	75	6.8	30	10	1.1	0.42

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-24 cont.	04/26/06	230	29.0	80	29	3.4	0.24
	04/26/06 D	200	24.0	65	24	2.6	0.42
	07/26/06	100	39.0	68	26	1.4	0.58
	07/26/06 D	110	43.0	72	27	1.4	0.55
	10/25/06	45	19.0	41	17	1.2	0.22
	10/25/06 D	46	20.0	40	17	1.2	0.26
	01/25/07	19	7.1	34	12	0.68	0.34
	01/25/07 D	21	7.8	35	12	0.92	0.34
	04/25/07	6.3	1.6	16	3.1	0.22	0.35
	04/25/07 D	2.3	<1.0	6.6	<3.0	0.19	0.30
	07/24/07	5.7	1.5	17	3.4	8.0	0.26
	07/24/07 D	5.1	1.3	15	3.1	0.34	0.21
	10/24/07	<1.0	<1.0	3.0	<3.0	0.26	3.9
	01/30/08	1.8	<1.0	6.9	1.2	0.21	0.16
	04/23/08	1.2	<1.0	8.4	1.4	0.21	0.27
	4/23/08 D	3.2	3.4	33	7.0	0.63	0.26
	07/24/08	3.2	2.9	19	4.5	0.29	0.32
	7/24/08 D	4.5	4.7	36	9.1	0.54	0.27
	10/21/08	<1.0	1.2	1.8	<1.0	NA	0.26
	10/21/08 D	4.4	13	38	9.9	NA	0.34
	01/21/09	1.6	6.8	16	6.1	0.79	0.48
	1/21/09 D	<1.0	2	3.4	2	1.1	0.45
	04/21/09	2.3	15	36	15.9	1.3	0.38
	04/21/09 D	2.0	3.5	16	5.3	0.46	0.34
	07/28/09	<1.0	4	7.2	2.6	0.86	0.44
	07/28/09 D	1.2	4.2	15	3.6	0.86	0.52
	10/28/09	<1.0	<1.0	6.8	1.5	0.81	0.53
	10/28/09 D	<1.0	<1.0	14	2.3	0.76	0.47
	01/26/10	1.4	<1.0	8.1	<1.0	0.73	0.42
	01/26/10 D	1.2	<1.0	7.6	<1.0	0.67	0.4
MW-25	07/22/04	5.8	<1.0	28	25	0.71	0.094
	10/27/04	7.1	<1.0	36	9.9	0.63	0.35
	01/26/05	3.4	<1.0	25	8.9	0.28	0.29
	04/20/05	7.4	3.6	55	16	0.60	0.23
	07/19/05	4.4	2.1	30	9.6	0.48	0.25
	10/19/05	2.0	<1.0	14	3.2	0.28	0.68
	01/25/06	2.8	<1.0	19	4.4	0.34	0.70
	04/26/06	3.8	<1.0	27	3.4	0.42	0.85
	07/26/06	2.6	<1.0	12	<3.0	0.21	1.20
	10/25/06	<1.0	<1.0	2	<3.0	0.13	0.40
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.52
	04/25/07	<1.0	<1.0	1.0	<3.0	<0.10	0.43
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.36
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.39
	01/30/08	<1.0	<1.0	<1.0	<3.0	0.12	0.39
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.41
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.20
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	0.14
	01/20/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.16
	04/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.079
	07/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.16
	10/27/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.34
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.12
MW-26	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.053
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.066
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.35
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.30
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.98
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.65
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.092
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.89
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.39
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.29
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	0.053
	01/21/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	04/22/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	07/29/09	<1.0	<1.0	<1.0	<1.0	<0.10	0.71
	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.051

Table 2b
Groundwater Analytical Data - Organics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-27	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.095
	07/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/20/05 D	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/06	7.1	<1.0	<1.0	<3.0	<0.10	0.16
	01/25/06 D	<1.0	<1.0	<1.0	<3.0	<0.10	0.17
	04/26/06	52.00	14.00	5.70	17.0	0.45	0.097
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.47
	01/25/07	1.20	<1.0	<1.0	<3.0	<0.10	0.12
	04/25/07	30	2.5	1.5	<3.0	<0.10	0.62
	07/25/07	1.8	<1.0	<1.0	<3.0	<0.10	0.94
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.22
	01/30/08	6.1	<1.0	<1.0	<3.0	<0.10	<0.10
	04/23/08	37	7.9	1.8	2.1	0.14	<0.10
	07/24/08	140	33	6.3	11	0.57	0.20
	10/22/08	13	1.1	<1.0	<1.0	NA	0.07
	01/21/09	170	8.6	2.4	7.5	0.48	<0.05
	04/22/09	120	6.8	3.1	6.6	0.40	<0.05
	07/29/09	27	3.4	<1.0	<1.0	0.13	<0.05
	10/28/09	19	1	<1.0	<1.0	<0.10	<0.05
	01/27/10	5	<1.0	<1.0	<1.0	<0.10	<0.05
SVE-10	01/23/03	1,120	136	188	331	8.89	0.961
	04/25/03	367	560	69	296	5.18	1.30
	07/14/03	189	29.8	26.9	85.6	1.74	0.991
	10/20/03	<1.0	<1.0	<1.0	<3.0	0.42	0.46
	01/22/04	1.7	1.0	2.0	<3.0	<0.10	0.42
	04/22/04	110	<1.0	11	<3.0	0.41	0.35
	07/23/04	77	<1.0	14	<3.0	0.46	0.48
	10/28/04	24	1.5	10	7.8	0.40	1.2
	01/27/05	12	<1.0	12	<3.0	0.19	0.68
	04/20/05	<1.0	<1.0	14	<3.0	0.12	0.35
	07/21/05	23	1.3	27	<3.0	0.26	0.47
	10/20/05	22	1.4	25	<3.0	0.27	0.29
	01/26/06	1.7	<1.0	20	<3.0	0.29	0.52
	04/27/06	<1.0	<1.0	10	<3.0	0.21	0.30
	07/27/06	<1.0	<1.0	4	<3.0	0.17	0.28
	10/26/06	<1.0	<1.0	<1.0	<3.0	0.16	0.17
	01/26/07	3.5	<1.0	5.0	<3.0	0.42	0.42
	04/26/07	1.8	<1.0	12.0	<3.0	0.56	0.41
	07/25/07	2.6	<1.0	8.3	<3.0	0.52	0.42
	10/25/07	<1.0	<1.0	3.2	<3.0	0.39	0.30
	01/31/08	21	<1.0	22	<3.0	0.43	0.21
	04/24/08	14	<1.0	26	<1.0	0.56	0.26
	07/25/08	180	<1.0	16	12	0.68	0.28
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	0.2
	01/21/09	1.3	<1.0	<1.0	<1.0	0.18	0.18
	04/22/09	2.5	<1.0	<1.0	<1.0	0.11	0.32
	07/29/09	<1.0	<1.0	<1.0	<1.0	0.12	0.17
	10/28/09	<1.0	<1.0	<1.0	<1.0	0.56	0.34
	01/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.1
SP-1	06/02/00	9.4	7.4	2.5	7	<1.0	<1.0

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

NA= not analyzed

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

D = Duplicate Sample

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-2	07/29/09	66.1			
	10/28/09	89.1			
	01/27/10	67.2			
MW-3	01/23/03	176			
	04/24/08	47.9			
	07/25/08	44.7			
	10/22/08	32.9			
	07/29/09	36.8			
	10/28/09	43.2			
	01/27/10	38.2			
MW-4	01/13/00	210			
	04/06/00	180			
	08/02/00	140			
	11/15/00	180			
	03/06/01	180			
	06/25/01	200			
	09/26/01	180			
	12/12/01	158			
	05/21/02	144	569	1,330	51
	10/16/02	81			
	01/23/03	173			
	04/25/03	159			
	07/14/03	166			
	10/17/03	190			
	01/22/04	176			
	04/22/04	180			
	07/22/04	192			
	10/28/04	186			
	01/26/05	173			
	04/20/05	128			
	07/20/05	51.5			
	10/19/05	37.7			
	01/25/06	39.4			
	04/26/06	58.0			
	07/26/06	48.1			
	10/25/06	113.0			
	01/25/07	52.1			
	04/25/07	68.8			
	07/25/07	51.6			
	10/24/07	38.5			
	01/30/08	36.8			
	04/23/08	34.5			
	07/24/08	41.7			
	10/22/08	32.9			
	01/21/09	34.4			
	04/22/09	33.7			
	07/29/09	42.7			
	10/28/09	62.2			
	01/26/10	52.6			
MW-5	01/13/00	130			
	04/06/00	130			
	08/02/00	130			
	11/15/00	180			
	03/06/01	210			
	06/25/01	240			
	09/26/01	260			
	12/12/01	216			
	05/21/02	180	619	698	29
	10/16/02	51			
	01/23/03	187			
	04/25/03	173			
	07/14/03	184			
	10/17/03	192			
	01/22/04	179			
	04/22/04	188			
	04/22/04 D	189			
	07/23/04	197			
	10/28/04	196			
	01/26/05	190			
	01/26/05 D	188			
	04/20/05	184			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-5 cont.	07/20/05	196			
	10/19/05	187			
	01/25/06	200			
	04/26/06	196			
	07/26/06	177			
	10/25/06	133			
	01/25/07	71.0			
	04/25/07	48.7			
	07/25/07	44.8			
	10/24/07	32.9			
	01/30/08	38.6			
	04/23/08	36.1			
	07/24/08	21.4			
	10/22/08	19.5			
	01/21/09	24.5			
	04/22/09	22.1			
	07/29/09	22.6			
	10/28/09	40.9			
	01/26/10	40.5			
MW-6	01/13/00	230			
	04/06/00	200			
	07/20/05	106			
	10/20/05	99.2			
	01/26/06	161			
	07/27/06	90.1			
	10/26/06	60.6			
	01/26/07	62.5			
	04/26/07	85.4			
	07/25/07	126			
	10/25/07	170			
	10/25/07 D	155			
	01/31/08	147			
	01/31/08 D	146			
	04/24/08	121			
	07/25/08	101			
	10/22/08	97.9			
	01/21/09	111			
	04/22/09	107			
	07/29/09	124			
	10/28/09	163			
	01/27/10	112			
MW-8	01/13/00	160			
	04/06/00	90			
	08/02/00	84			
	11/15/00	100			
	03/06/01	87			
	06/25/01	75			
	09/26/01	72			
	12/12/01	85			
	05/21/02	104	546	638	76
	10/16/02	42.4			
	01/22/03	106			
	01/31/08	107			
MW-9	04/24/08	55.1			
MW-10	01/13/00	180			
	04/06/00	180			
	08/02/00	140			
MW-11	04/06/00	310			
	08/02/00	270			
	11/15/00	300			
	03/06/01	280			
	06/25/01	290			
	04/24/08	238			
	07/25/08	271			
	10/22/08	185			
	01/21/09	206			
	07/29/09	228			
	10/28/09	303			
	01/27/10	232			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-12	04/06/00	190			
	08/02/00	150			
	11/15/00	190			
	03/06/01	180			
	06/25/01	190			
	09/26/01	180			
	12/12/01	169			
	05/21/02	180	864	2,050	478
	10/16/02	69.5			
	01/23/03	180			
	04/25/03	179			
	07/14/03	204			
	10/20/03	197			
	01/21/04	183			
	04/21/04	188			
	07/23/04	195			
	07/23/04 D	196			
	10/28/04	196			
	01/27/05	187			
	01/27/05 D	193			
	04/20/05	151			
	04/20/05 D	154			
	07/21/05	180			
	07/21/05 D	179			
	10/20/05	149			
	10/20/05 D	158			
	01/26/06	168			
	01/26/06 D	183			
	04/27/06	169			
	4/27/06 D	178			
	07/27/06	162			
	07/27/06 D	136			
	10/26/06	172			
	10/26/06 D	170			
	01/26/07	174			
	01/26/07 D	164			
	04/25/07	175			
	04/25/07 D	166			
	07/25/07	177			
	07/25/07 D	192			
	10/25/07	211			
	10/25/07 D	187			
	01/31/08	181			
	01/31/08 D	177			
	04/24/08	185			
	04/24/08 D	183			
	07/25/08	182			
	07/25/08 D	180			
	10/22/08	138			
	10/22/08 D	134			
	01/21/09	165			
	01/21/09 D	156			
	04/22/09	193			
	04/22/09 D	185			
	07/29/09	190			
	07/29/09 D	197			
	10/28/09	235			
	10/28/09 D	233			
	01/27/10	192			
	01/27/10 D	198			
MW-13	06/02/00	91			
	08/02/00	61			
	11/15/00	63			
	03/06/01	66			
	06/25/01	200			
	09/26/01	66			
	12/12/01	69.5			
	05/21/02	58.5	617	563	23
	10/16/02	71.5			
	01/22/03	72.6			
	04/24/03	67.0			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-13 cont.	07/14/03	72.2			
	10/17/03	67.6			
	01/21/04	68.8			
	04/21/04	62.2			
	07/22/04	64.6			
	10/27/04	59.7			
	01/26/05	66.9			
	04/20/05	69.0			
	07/21/05	64.9			
	10/20/05	63.9			
	01/25/06	68.1			
	04/26/06	65.8			
	07/26/06	71.5			
	10/25/06	91.4			
	01/25/07	65.0			
	04/25/07	69.8			
	07/25/07	71.2			
	10/24/07	61.9			
	01/30/08	71.2			
	04/23/08	71.5			
	07/24/08	74.0			
	10/22/08	59.9			
	01/21/09	65.4			
	04/22/09	67.2			
	07/29/09	68.5			
	10/28/09	80.7			
	01/27/10	69.5			
MW-14	06/02/00	180			
	08/02/00	170			
	11/15/00	190			
	03/06/01	190			
	06/25/01	200			
	09/26/01	200			
	12/12/01	197			
	05/21/02	162	745	3,290	342
	10/16/02	67			
	01/23/03	228			
	04/25/03	194			
	07/14/03	242			
	10/17/03	214			
	01/21/04	200			
	04/21/04	201			
	07/22/04	203			
	10/28/04	91.7			
	01/26/05	87.7			
	04/20/05	141			
	07/21/05	107			
	10/20/05	234			
	01/26/06	166			
	04/27/06	183			
	07/27/06	164			
	10/26/06	189			
	01/25/07	178			
	04/26/07	192			
	07/25/07	188			
	10/25/07	209			
	01/30/08	194			
	04/23/08	171			
	07/24/08	196			
	10/22/08	131			
	01/21/09	189			
	04/22/09	156			
	07/29/09	237			
	10/28/09	256			
	01/27/10	202			
MW-15	06/02/00	170			
	08/02/00	160			
	11/15/00	170			
	07/20/05	143			
	10/19/05	137			
	01/25/06	180			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-15 cont.	04/26/06	301			
	07/26/06	327			
	10/25/06	321			
	01/25/07	321			
	04/25/07	290			
	07/24/07	251			
	10/24/07	287			
	01/30/08	289			
	04/23/08	297			
	07/24/08	372			
	10/21/08	200			
	01/21/09	285			
	04/21/09	252			
	07/28/09	172			
	10/27/09	218			
	01/26/10	188			
MW-16	06/02/00	220			
	08/02/00	210			
	11/15/00	210			
	03/06/01	240			
	06/25/01	240			
	09/26/01	67			
	12/12/01	172			
	05/21/02	159	540	2,940	83
	10/15/02	194			
	01/22/03	206			
	04/24/03	176			
	07/14/03	190			
	10/17/03	200			
	01/21/04	182			
	04/21/04	184			
	07/21/04	185			
	10/26/04	188			
	01/26/05	178			
	04/20/05	193			
	07/19/05	189			
	10/19/05	178			
	01/25/06	174			
	04/26/06	179			
	07/26/06	141			
	10/25/06	175			
	01/25/07	156			
	04/25/07	156			
	07/24/07	168			
	10/24/07	175			
	01/30/08	173			
	04/23/08	160			
	07/23/08	168			
	10/21/08	142			
	01/20/09	151			
	04/21/09	131			
	07/28/09	140			
	10/27/09	175			
	01/26/10	148			
MW-17	06/02/00	140			
	08/02/00	110			
	11/15/00	130			
	03/06/01	130			
	06/25/01	140			
	09/26/01	130			
	12/12/01	147			
	05/21/02	132	575	1,040	202
	10/15/02	149			
	01/22/03	76.7			
	04/24/03	84.3			
	07/14/03	143			
	01/26/05	146			
	04/20/05	126			
	07/19/05	127			
	10/19/05	123			
	01/25/06	145			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-17 cont.	04/26/06	142			
	07/26/06	134			
	10/25/06	127			
	01/25/07	138			
	04/25/07	189			
	07/24/07	266			
	10/24/07	248			
	01/30/08	255			
	04/23/08	245			
	07/23/08	284			
	10/21/08	188			
MW-18	06/02/00	190			
	08/02/00	160			
	11/15/00	210			
	03/06/01	190			
	06/25/01	210			
	09/26/01	190			
	12/12/01	182			
	05/21/02	184	1,070	2,930	374
	10/16/02	102			
	01/23/03	218			
	04/25/03	195			
	07/14/03	193			
	10/20/03	207			
	01/21/04	193			
	04/21/04	195			
	07/22/04	205			
	10/28/04	205			
	01/26/05	206			
	04/20/05	193			
	07/21/05	206			
	10/20/05	176			
	01/26/06	198			
	04/27/06	199			
	07/27/06	184			
	10/26/06	191			
	01/26/07	191			
	04/26/07	203			
	07/25/07	196			
	10/25/07	219			
	01/30/08	205			
	04/24/08	201			
	07/24/08	208			
	10/22/08	148			
	01/21/09	197			
	04/22/09	220			
	07/29/09	218			
	10/28/09	261			
	01/27/10	195			
MW-19	06/02/00	140			
	08/02/00	110			
	11/15/00	130			
	03/06/01	130			
	06/25/01	150			
	09/26/01	140			
	12/12/01	144			
	05/21/02	150	824	2,750	40
	10/15/02	180			
	01/22/03	177			
	04/24/03	161			
	07/14/03	20.3			
	10/17/03	117			
	01/21/04	169			
	04/21/04	173			
	07/22/04	177			
	10/27/04	171			
	01/26/05	187			
	04/20/05	156			
	07/21/05	177			
	10/20/05	161			
	01/26/05	137			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-19 cont.	04/26/06	123			
	07/27/06	99.8			
	10/26/06	116.0			
	01/25/07	93.7			
	04/25/07	92.6			
	07/25/07	97.7			
	10/24/07	110			
	01/30/08	101			
	04/23/08	96.1			
	07/24/08	96.5			
	10/22/08	101			
	01/21/09	111			
	04/22/09	125			
	07/29/09	146			
	10/28/09	202			
	01/27/10	176			
MW-20	06/02/00	83			
	08/02/00	66			
	11/15/00	66			
	03/06/01	62			
	06/25/01	71			
	09/26/01	210			
	12/12/01	69			
	05/21/02	72	638	1,840	26
	10/15/02	85			
	01/22/03	83.6			
	04/24/03	77.0			
	07/14/03	85.8			
	10/17/03	76.8			
	01/21/04	74.6			
	04/21/04	69.3			
	07/21/04	69.4			
	10/26/04	68.5			
	01/26/05	76.0			
	04/20/05	73.7			
	07/19/05	69.9			
	10/19/05	72.0			
	01/25/06	72.9			
	04/26/06	70.0			
	07/26/06	68.0			
	10/25/06	92.6			
	02/26/07	70.5			
	04/25/07	67.8			
	07/24/07	44.5			
	10/24/07	142			
	01/30/08	85			
	04/23/08	93.5			
	07/23/08	98.1			
	10/21/08	103			
	01/20/09	109			
	04/21/09	118			
	07/28/09	159			
	10/27/09	194			
	01/26/10	156			
MW-21	06/13/02	832			
	10/15/02	857			
	01/22/03	806			
	04/24/03	414			
	07/14/03	853			
	10/17/03	886			
	01/21/04	782			
	04/21/04	684			
	07/21/04	613			
	10/26/04	907			
	01/26/05	659			
	04/20/05	555			
	07/19/05	527			
	10/19/05	483			
	01/25/06	509			
	04/26/06	552			
	07/26/06	466			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-21 cont.	10/25/06	499			
	02/26/07	300			
	04/25/07	572			
	07/24/07	1,010			
	10/24/07	825			
	01/30/08	1,110			
	04/23/08	984			
	07/23/08	694			
	10/21/08	855			
	01/20/09	1,060			
	04/21/09	1,090			
	07/28/09	1,040			
	10/27/09	1,390			
	01/26/10	1,090			
MW-22	06/13/02	76.5			
	10/15/02	86.5			
	01/22/03	85.7			
	04/24/03	77.0			
	07/14/03	82.0			
	10/17/03	82.8			
	01/21/04	79.4			
	04/21/04	75.3			
	07/22/04	78.3			
	10/27/04	77.5			
	01/26/05	88.3			
	04/20/05	81.1			
	07/21/05	79.3			
	10/20/05	77.5			
	01/25/06	101			
	04/26/06	74.3			
	07/26/06	81.5			
	10/25/06	101.0			
	01/25/07	80.3			
	04/26/07	79.8			
	07/25/07	83.4			
	10/24/07	75.3			
	01/30/08	85.4			
	04/23/08	84.6			
	07/24/08	82.1			
	10/22/08	64.2			
	01/21/09	76.2			
	04/22/09	79.4			
	07/29/09	75.3			
	10/28/09	97.1			
	01/27/10	78.7			
MW-23	06/13/02	63			
	10/15/02	36.2			
	01/22/03	58.5			
	04/24/03	130			
	07/14/03	64.6			
	10/17/03	59.2			
	01/21/04	61.3			
	04/21/04	54.8			
	07/22/04	59.0			
	10/27/04	55.5			
	01/26/05	64.8			
	04/20/05	77.6			
	07/21/05	65.0			
	10/19/05	66.5			
	01/25/06	67.7			
	04/26/06	63.4			
	07/26/06	67.2			
	10/25/06	86.5			
	01/25/07	63.6			
	04/25/07	66.8			
	07/25/07	63.7			
	10/24/07	61.6			
	01/30/08	67.9			
	04/23/08	65.7			
	07/24/08	59.5			
	10/22/08	52.2			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-23 cont.	01/21/09	55			
	04/22/09	59.4			
	07/29/09	55.7			
	10/28/09	71.6			
	01/27/10	55.3			
MW-24	07/22/04	165			
	10/27/04	151			
	01/26/05	182			
	04/20/05	166			
	07/20/05	169			
	10/19/05	177			
	10/19/05 D	176			
	01/25/06	191			
	01/25/06 D	187			
	04/26/06	172			
	04/26/06 D	134			
	07/26/06	176			
	07/26/06 D	177			
	10/25/06	209			
	10/25/06 D	208			
	01/25/07	209			
	01/25/07 D	217			
	04/25/07	192			
	04/25/07 D	181			
	07/24/07	174			
	07/24/07 D	192			
	10/24/07	190			
	01/30/08	185			
	04/23/08	182			
	4/23/08 D	185			
	07/24/08	217			
	07/24/08 D	216			
	10/21/08	189			
	10/21/08 D	200			
	01/21/09	269			
	01/21/09 D	294			
	04/21/09	278			
	04/21/09 D	323			
	07/28/09	275			
	07/28/09 D	287			
	10/28/09	400			
	10/28/09 D	400			
	01/26/10	285			
	01/26/10 D	287			
MW-25	07/22/04	116			
	10/27/04	129			
	01/26/05	143			
	04/20/05	123			
	07/19/05	152			
	10/19/05	453			
	01/25/06	480			
	04/26/06	461			
	07/26/06	388			
	10/25/06	241			
	01/25/07	119			
	04/25/07	192			
	07/24/07	177			
	10/24/07	376			
	01/30/08	461			
	04/23/08	269			
	07/24/08	256			
	10/21/08	149			
	01/20/09	138			
	04/21/09	159			
	07/28/09	151			
	10/27/09	203			
	01/26/10	171			
MW-26	04/20/05	82.5			
	07/20/05	77.2			
	10/19/05	77.8			
	01/25/06	78.3			

Table 2c
Groundwater Analytical Data - Inorganics
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-26 cont.	04/26/06	74.0			
	07/26/06	77.9			
	10/25/06	99.1			
	01/25/07	66.6			
	04/25/07	81.4			
	07/25/07	83.7			
	10/24/07	73.3			
	01/30/08	86.8			
	04/23/08	90.4			
	07/24/08	92.6			
	10/22/08	83.1			
	01/21/09	99.8			
	04/22/09	95.3			
	07/29/09	114			
	10/28/09	147			
	01/26/10	128			
MW-27	04/20/05	129			
	04/20/05 D	132			
	07/20/05	129			
	07/20/05 D	129			
	10/19/05	132			
	01/25/06	136			
	01/25/06 D	138			
	04/26/06	112			
	07/26/06	115			
	10/25/06	151			
	01/25/07	119			
	04/25/07	117			
	07/25/07	130			
	10/24/07	119			
	01/30/08	115			
	04/23/08	102			
	07/24/08	104			
	10/22/08	107			
	01/21/09	103			
	04/22/09	97.8			
	07/29/09	111			
	10/28/09	160			
	01/27/10	119			
SVE-10	01/23/03	282			
	04/25/03	241			
	07/14/03	270			
	10/20/03	255			
	01/22/04	265			
	04/22/04	236			
	07/23/04	250			
	10/28/04	243			
	01/27/05	251			
	04/20/05	204			
	07/21/05	236			
	10/20/05	183			
	01/26/06	243			
	04/27/06	234			
	07/27/06	230			
	10/26/06	244			
	01/26/07	234			
	04/26/07	256			
	07/25/07	247			
	10/25/07	227			
	01/31/08	234			
	04/24/08	226			
	07/25/08	253			
	10/22/08	173			
	01/21/09	205			
	04/22/09	231			
	07/29/09	252			
	10/28/09	340			
	01/27/10	223			
SP-1	06/02/00	180			

Notes:
 mg/L = milligrams per liter
 µg/L = micrograms per liter

D = Duplicate Sample
 Blank Fields Indicate No Data

Table 3
Summary of SVE Emissions Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Average Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
10/17/02	0	246	875	62.71	62.71	62.71	62.71	0
10/18/02	1	447	870	113.30	87.82	87.82	150.53	1
10/21/02	4	377	875	96.10	105.03	315.08	465.61	3
10/22/02	5	183	875	46.65	71.38	71.38	536.98	1
10/23/02	6	363	875	92.53	69.59	69.59	606.58	1
10/24/02	7	405	875	103.24	97.89	97.89	704.46	1
10/25/02	8	345	875	87.95	95.59	95.59	800.06	1
11/04/02	18	412	875	105.03	96.49	964.86	1764.91	10
11/05/02	19	631	875	160.85	132.94	132.94	1897.85	1
11/06/02	20	434	870	110.00	134.97	134.97	2032.82	1
11/07/02	21	429	875	109.36	110.00	110.00	2142.82	1
11/08/02	22	336	865	84.67	96.39	96.39	2239.21	1
11/15/02	29	552	865	139.11	111.89	783.22	3022.43	7
11/22/02	36	663	875	169.01	154.86	1084.03	4106.46	7
11/29/02	43	488	875	124.40	146.70	1026.93	5133.39	7
11/30/02	44	534	870	135.35	129.52	129.52	5262.90	1
12/16/02	60	389	870	98.60	116.97	1871.54	7134.44	16
12/17/02	61	444	875	113.18	106.17	106.17	7240.62	1
12/18/02	62	320	875	81.57	97.38	97.38	7337.99	1
12/19/02	63	464	875	118.28	99.93	99.93	7437.92	1
12/20/02	64	373	875	95.08	106.68	106.68	7544.60	1
01/14/03	89	380	865	95.76	94.88	2371.97	9916.58	25
01/15/03	90	334	870	84.66	90.48	90.48	10007.06	1
01/16/03	91	408	875	104.01	94.57	94.57	10101.63	1
02/08/03	114	445	870	112.79	108.10	2486.31	12587.94	23
02/14/03	120	175	875	44.61	79.02	474.14	13062.08	6
02/24/03	130	335	875	85.40	65.00	650.03	13712.12	10
02/25/03	131	313	870	79.33	82.12	82.12	13794.24	1
02/26/03	132	322	875	82.08	80.94	80.94	13875.17	1
02/27/03	133	318	875	81.06	81.57	81.57	13956.75	1
02/28/03	134	339	875	86.42	83.74	83.74	14040.49	1
03/13/03	147	223	875	56.85	71.63	931.21	14971.69	13
03/14/03	148	217	875	55.32	56.08	56.08	15027.78	1
04/07/03	172	234	875	59.65	57.48	1379.60	16407.38	24
04/08/03	173	195	875	49.71	54.68	54.68	16462.06	1
04/09/03	174	188	875	47.92	48.82	48.82	16510.87	1
04/10/03	175	155	875	39.51	43.72	43.72	16554.59	1
04/11/03	176	141	875	35.94	37.73	37.73	16592.32	1
05/18/03	213	227	875	57.87	46.90	1735.47	18327.79	37
05/19/03	214	203	875	51.75	54.81	54.81	18382.59	1
06/09/03	235	0	0	0.00	0.00	0.00	18382.59	21
07/14/03	270	0	0	0.00	0.00	0.00	18382.59	35
07/15/03	271	445	875	113.44	56.72	56.72	18439.31	1
07/21/03	277	297	875	75.71	94.57	567.44	19006.75	6
07/22/03	278	321	875	81.83	78.77	78.77	19085.52	1
08/01/03	288	248	875	63.22	72.52	725.24	19810.76	10
08/24/03	311	237	875	60.42	61.82	1421.79	21232.55	23
09/09/03	327	119	875	30.33	45.37	726.00	21958.55	16
09/10/03	328	134	875	34.16	32.25	32.25	21990.80	1
09/11/03	329	118	870	29.91	31.94	31.94	22022.73	1
09/12/03	330	126	875	32.12	31.10	31.10	22053.83	1
10/20/03	368	50	875	12.75	22.43	852.44	22906.27	38
11/24/03	403	255	875	65.00	38.87	1360.61	24266.88	35
12/30/03	439	155	875	39.51	52.26	1881.28	26148.16	36
01/29/04	469	147	873	37.39	38.40	1152.13	27300.29	30
02/16/04	487	142	849	35.12	35.74	643.33	27943.62	18
02/25/04	496	116	861	29.10	32.36	291.22	28234.84	9
03/25/04	525	114	875	29.06	29.32	850.14	29084.99	29
04/14/04	545	181	875	46.14	37.60	752.00	29836.99	20
04/27/04	558	158	875	40.28	43.21	561.71	30398.70	13

Table 3
Summary of SVE Emissions Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Average Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
05/26/04	587	127	875	32.37	36.33	1053.44	31452.13	29
06/09/04	601	108	875	27.53	29.95	419.34	31871.47	14
06/30/04	622	97.6	875	24.88	26.21	550.31	32421.78	21
07/27/04	649	104	875	26.51	25.70	693.78	33115.56	27
08/03/04	656	94.2	875	24.01	25.26	176.83	33292.40	7
08/24/04	677	112	875	28.55	26.28	551.92	33844.31	21
09/08/04	692	114	875	29.06	28.81	432.08	34276.40	15
09/20/04	704	100	875	25.49	27.28	327.31	34603.71	12
10/05/04	719	109	875	27.79	26.64	399.58	35003.29	15
11/11/04	756	91.9	875	23.43	25.61	947.43	35950.72	37
11/22/04	767	72	875	18.35	20.89	229.79	36180.51	11
12/29/04	804	66	875	16.82	17.59	650.80	36831.31	37
01/27/05	833	54	875	13.77	15.29	443.55	37274.87	29
02/14/05	851	35.9	875	9.15	11.46	206.25	37481.12	18
03/02/05	867	29.1	875	7.42	8.28	132.56	37613.68	16
03/23/05	888	28.3	875	7.21	7.32	153.64	37767.31	21
04/08/05	904	26.5	875	6.76	6.98	111.76	37879.07	16
04/12/05	908	27.9	875	7.11	6.93	27.73	37906.80	4
05/16/05	942	18.2	875	4.64	5.88	199.78	38106.58	34
05/23/05	949	19.5	875	4.97	4.81	33.64	38140.22	7
06/01/05	958	17.1	875	4.36	4.66	41.98	38182.20	9
06/10/05	967	17.5	875	4.46	4.41	39.69	38221.89	9
06/17/05	974	19.2	875	4.89	4.68	32.74	38254.63	7
06/29/05	986	17.8	875	4.54	4.72	56.59	38311.23	12
08/11/05	1029	22.9	875	5.84	5.19	223.06	38534.29	43
08/17/05	1035	17.2	875	4.38	5.11	30.67	38564.96	6
09/15/05	1064	5.0	875	1.27	2.83	82.06	38647.01	29
09/29/05	1078	3.8	875	0.97	1.12	15.70	38662.72	14
11/03/05	1113	0.0	875	0.00	0.48	16.95	38679.67	35
11/10/05	1120	0.0	875	0.00	0.00	0.00	38679.67	7
11/16/05	1126	0.0	875	0.00	0.00	0.00	38679.67	6
11/29/05	1139	0.0	875	0.00	0.00	0.00	38679.67	13
12/06/05	1146	0.0	875	0.00	0.00	0.00	38679.67	7
12/12/05	1147	0.0	875	0.00	0.00	0.00	38679.67	6
01/10/06	1147	6.4	875	1.63	1.63	1.63	38681.30	35
09/14/06	1148	346	875	88.20	88.20	22.05	38703.35	247
09/21/06	1155	203	875	51.75	51.75	362.24	39065.59	7
09/25/06	1159	145	875	36.96	36.96	147.85	39213.44	4
10/02/06	1166	121	875	30.84	30.84	215.91	39429.35	7
10/10/06	1174	115	875	29.32	29.32	234.52	39663.87	8
10/16/06	1180	110	875	28.04	28.04	168.24	39832.12	6
10/30/06	1184	155	875	39.51	39.51	553.17	40385.28	14
11/06/06	1191	116	875	29.57	29.57	206.99	40592.28	7
11/21/06	1206	160	875	40.79	40.79	611.80	41204.07	15
11/28/06	1213	70.2	875	17.90	17.90	125.27	41329.34	7
12/05/06	1220	62.5	875	15.93	15.93	111.53	41440.86	7
12/11/06	1226	46.2	875	11.78	11.78	70.66	41511.53	6
12/18/06	1233	40.6	875	10.35	10.35	72.45	41583.97	7
01/02/07	1234	49.1	875	12.52	12.52	187.75	41771.72	15
01/08/07	1240	42.1	875	10.73	10.73	64.39	41836.11	6
01/16/07	1248	42.1	875	10.73	10.73	85.86	41921.97	8
02/05/07	1259	31.9	875	8.13	8.13	162.64	42084.60	20
02/26/07	1280	27.2	875	6.93	6.93	145.61	42230.21	21
03/05/07	1287	29.0	875	7.39	7.39	51.75	42281.96	7
03/13/07	1295	27.4	875	6.98	6.98	55.88	42337.84	8
03/14/07	1296	26.4	875	6.73	6.73	6.73	42344.57	1
03/26/07	1308	34.9	875	8.90	8.90	106.76	42451.32	12
04/02/07	1315	26.4	875	6.73	6.73	47.11	42498.43	7
05/29/07	1356	32.8	875	8.36	8.36	476.59	42975.02	57
06/04/07	1362	22.3	875	5.68	5.68	34.11	43009.13	6

Table 3
Summary of SVE Emissions Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Average Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
06/11/07	1369	36.3	875	9.25	9.25	64.77	43073.90	7
06/18/07	1376	31.5	875	8.03	8.03	56.21	43130.11	7
06/26/07	1384	37.9	875	9.66	9.66	77.29	43207.40	8
08/07/07	1429	66.3	875	16.90	16.90	709.84	43917.24	42
08/27/07	1449	67.4	875	17.18	17.18	343.63	44260.87	20
09/04/07	1457	74.8	875	19.07	19.07	152.54	44413.41	8
09/10/07	1463	81.4	875	20.75	20.75	124.50	44537.91	6
10/02/07	1485	61.2	875	15.60	15.60	343.22	44881.13	22
10/31/07	1500	75.9	875	19.35	19.35	561.09	45442.22	29
11/12/07	1512	66.9	875	17.05	17.05	204.65	45646.87	12
11/19/07	1519	58.6	875	14.94	14.94	104.57	45751.44	7
12/05/07	1535	32.5	875	8.28	8.28	132.56	45883.99	16
12/10/07	1540	33.7	875	8.59	8.59	42.95	45926.95	5
12/20/07	1550	24.0	875	6.12	6.12	61.18	45988.13	10
01/07/08	1568	20.0	875	5.10	5.10	91.77	46079.90	18
02/12/08	1604	23.5	875	5.99	5.99	215.66	46295.55	36
03/11/08	1632	20.5	875	5.23	5.23	146.32	46441.88	28
03/17/08	1638	21.2	875	5.40	5.40	32.43	46474.30	6
03/24/08	1645	23.3	875	5.94	5.94	41.58	46515.88	7
03/31/08	1652	24.0	875	6.12	6.12	42.83	46558.70	7
05/20/08	1702	25.1	875	6.40	6.40	319.92	46878.62	50
06/02/08	1715	26.6	875	6.78	6.78	88.15	46966.77	13
06/16/08	1729	34.4	875	8.77	8.77	122.77	47089.54	14
06/30/08	1743	66.0	875	16.82	16.82	235.54	47325.08	14
07/14/08	1757	0.0	0	0.00	0.00	0.00	47325.08	14
08/18/08	1792	96.8	875	24.68	24.68	0.17	47325.25	35
08/20/08	1794	104.0	875	26.51	26.51	0.19	47325.44	2
09/09/08	1814	79.6	875	13.53	13.53	270.55	47595.99	20
09/15/08	1820	85.3	875	14.50	14.50	86.98	47682.97	6
09/22/08	1827	82.2	875	13.97	13.97	97.79	47780.75	7
09/29/08	1834	92.3	875	15.69	15.69	109.80	47890.55	7
10/07/08	1842	100.0	875	16.99	16.99	135.96	48026.51	8
10/14/08	1849	0.0	0	0.00	0.00	0.00	48026.51	7
10/20/08	1855	0.0	0	0.00	0.00	0.00	48026.51	6
10/28/08	1863	112.0	875	19.03	19.03	152.27	48178.78	8
11/10/08	1876	0.0	0	0.00	0.00	0.00	48178.78	13
11/24/08	1890	94.8	875	16.11	16.11	225.55	48404.33	14
12/01/08	1897	94.6	875	16.08	16.08	112.54	48516.86	7
12/08/08	1904	87.8	875	14.92	14.92	104.45	48621.31	7
12/24/08	1920	75.8	875	12.88	12.88	206.11	48827.42	16
12/29/08	1925	77.0	875	13.09	13.09	65.43	48892.85	5
01/06/09	1933	0.0	0	0.00	0.00	0.00	48892.85	8
01/14/09	1941	90.5	875	15.38	15.38	123.04	49015.89	8
01/19/09	1946	0.0	0	0.00	0.00	0.00	49015.89	5
02/26/09	1984	96.6	875	16.42	16.42	623.83	49639.72	38
03/02/09	1988	91.9	875	17.57	17.57	70.28	49710.00	4
03/09/09	1995	82.6	875	15.79	15.79	110.54	49820.54	7
03/16/09	2002	86.3	875	16.50	16.50	115.50	49936.04	7
03/24/09	2010	89.0	875	17.02	17.02	136.12	50072.16	8
03/30/09	2016	90.6	875	17.32	17.32	103.93	50176.09	6
04/06/09	2023	93.4	875	17.86	17.86	125.00	50301.09	7
04/14/09	2031	92.8	875	17.74	17.74	141.94	50443.03	8
04/28/09	2045	82.9	875	15.85	15.85	221.89	50664.92	14
05/11/09	2058	83.0	875	15.87	15.87	206.29	50871.21	13
05/26/09	2073	96.0	875	18.35	18.35	275.31	51146.52	15
06/01/09	2079	81.3	875	15.54	15.54	93.26	51239.78	6
06/09/09	2087	80.7	875	15.43	15.43	123.43	51363.21	8
06/15/09	2093	123.0	875	23.52	23.52	141.10	51504.30	6
06/29/09	2107	104.0	875	19.88	19.88	278.37	51782.67	14
07/06/09	2114	112.0	875	21.41	21.41	149.89	51932.56	7

Table 3
Summary of SVE Emissions Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Average Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
07/14/09	2122	132.0	875	25.24	25.24	201.89	52134.46	8
07/20/09	2128	105.0	875	20.07	20.07	120.45	52254.90	6
07/27/09	2135	103.0	875	19.69	19.69	137.85	52392.75	7
08/03/09	2142	134.0	875	12.81	12.81	89.67	52482.42	7
08/12/09	2151	120.0	875	22.94	22.94	206.48	52688.90	9
08/24/09	2163	120.0	875	22.94	22.94	275.31	52964.21	12
08/31/09	2170	128.0	875	24.47	24.47	171.30	53135.51	7
09/08/09	2178	114.0	875	21.80	21.80	174.36	53309.87	8
09/16/09	2186	127.0	875	24.28	24.28	194.25	53504.12	8
09/28/09	2198	120.0	875	22.94	22.94	275.31	53779.43	12
10/05/09	2205	102.0	875	19.50	19.50	136.51	53915.93	7
10/12/09	2212	165.0	875	15.77	15.77	110.41	54026.34	7
10/26/09	2226	158.0	875	30.21	30.21	422.91	54449.25	14
11/03/09	2234	155.0	875	29.63	29.63	237.07	54686.32	8
11/10/09	2241	125.0	875	23.90	23.90	167.29	54853.61	7
11/23/09	2254	124.0	875	23.71	23.71	308.19	55161.80	13
11/30/09	2261	117.0	875	22.37	22.37	156.58	55318.38	7
12/07/09	2268	94.3	875	18.03	18.03	126.20	55444.59	7
01/04/10	2296	107.0	875	20.46	20.46	572.80	56017.38	28
01/11/10	2303	108.0	875	20.65	20.65	144.54	56161.92	7
02/01/10	2324	93.5	875	17.88	17.88	375.40	56537.31	21
02/08/10	2331	98.7	875	18.87	18.87	132.09	56669.41	7
02/22/10	2345	92.2	875	17.63	17.63	246.78	56916.19	14
Estimated avg lbs/day removed (2002-2003):			110.72	Total tons VOCs removed (Oct 2002 - Oct 2003):			11.45	
Estimated avg lbs/day removed (2003-2004):			45.75	Total tons VOCs removed (Feb 2004 - Feb 2005):			4.62	
Estimated avg lbs/day removed (2004-2005):			16.81	Total tons VOCs removed (Feb 2005 - Dec 2005):			0.60	
Estimated avg lbs/day removed (2006-2007):			30.13	Total tons VOCs removed (Jan 2006 - Feb 2007):			1.70	
Estimated avg lbs/day removed (2007-2008):			11.64	Total tons VOCs removed (Feb 2007 - Mar 2008):			2.16	
Estimated avg lbs/day removed (2008-2009):			9.28	Total tons VOCs removed (Mar 2008 - Feb 2009):			1.54	
Estimated avg lbs/day removed (2009-2010):			20.19	Total tons VOCs removed (Mar 2009 - Feb 2010):			3.60	
Estimated total pounds VOCs removed:			56,916.19	Cumulative tons VOCs removed since startup:			28.46	
Notes and Calculations:								
VOC Discharge (lbs/day) = ((Co (ppm))*(78 g/mole)/24.05)*(1 g/1000 mg)*(1 m³/35.31 cf)*(1 lb/454 g)*(Q (scfm))*operating min/day								
Where: Co = Average Effluent VOC concentration (ppm) from previous time period								
Q = flow rate of effluent air (scfm) 24.05 = gas law constant								

Table 4

SVE Field Data

ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico

Date	Time	PID (ppm)	Monitoring Point - Measurements = inches of water at wellhead vacuum (-); pressure (+)													Comments	
			MW-4 SVE-1	MW-5 SVE-2	MW-6 SVE-3	MW-7 SVE-4	MW-8 SVE-5	MW-9 SVE-6	MW-10 SVE-7	MW-11 SVE-8	MW-12 SVE-9	SVE-10	MW-14 SVE-11	MW-15 SVE-12	MW-18 SVE-13		
08/05/08	9:30 AM																Start Bioventing, Set Timers, Repair Leaks
08/06/08	7:30 AM		-3.1	-9.9	-9.9	-13.1	-13.0		-12.0	-2.6	-2.7	-9.9	-9.9	-0.3	-10.1		
08/18/08	9:00 AM	96.8															Shut System Down for Repairs
08/20/08	8:30 AM	104.0															Complete Repairs, Restart System
09/05/08	9:00 AM	85.3	-10.5	-10.8	-10.8	-10.6	-10.5	-10.5	-10.5	-4.3	-2.4	-10.5	-10.3	-0.8	-10.5		
09/09/08	8:30 AM	79.6	-8.0	-10.2	-10.4	-10.5	-10.3		-10.5	-4.5	-3.0	-10.4	-10.0	-1.2	-10.5		
09/22/08	9:05 AM	82.2	-10.5	-10.5	-10.8	-11.1	-11.0		-11.0	-4.6	-2.5	-10.9	-10.4	-0.2	-10.9		
09/29/08	9:00 AM	92.3	-10.2	-10.4	-10.5	-11.3	-11.3		-11.2	-4.8	-2.8	-10.8	-10.6	-0.1	-11.0		
10/07/08	8:52 AM	100.0	-10.2	-10.2	-10.2	-10.8	-10.9		-10.8	-4.5	-2.5	-10.3	-10.3	-0.5	-10.6		SVE Down on False Alarm, Restart
10/28/08	8:45 AM	112.0	-10.0	-10.0	-10.0	-10.5	-10.4		-10.4	-5.0	-2.0	-10.1	-10.0	-1.2	-10.3		AC Down, Restart
11/10/08	10:40 AM	119.0	-11.2	-11.2	-11.3	-10.8	-10.8		-11.0	-5.8	-3.7	-11.3	-10.8	-0.5	-11.2		System Down, Reset Timer, Restart
11/24/08	10:05 AM	94.8	-11.0	-11.0	-11.0	-10.8	-10.9		-10.7	-7.5	-3.1	-11.0	-10.5	-1.0	-10.7		
12/01/08	9:14 AM	94.6	-10.8	-10.8	-10.8	-10.6	-10.5		-10.7	-6.3	-3.0	-8.4	-10.6	-1.7	-10.4		
12/08/08	9:15 AM	87.8	-10.7	-10.8	-10.8	-10.8	-10.9		-10.8	-6.8	-3.0	-7.5	-10.6		-10.8		
12/24/08	10:05 AM	75.8	-11.0	-11.0	-11.0	-10.2	-10.2		-10.2	-4.1	-2.0	-6.5	-10.0		-10.0		
12/29/08	8:50 AM	77.0	-9.4	-9.4	-9.8	-10.1	-10.3		-10.1	-2.2	-1.3	-5.6	-7.5		-8.5		
01/06/09	10:10 AM	136.0	-14.8	-14.8	-15.0	-15.0	-15.0		-15.0	-3.0	-2.9	-11.0	-10.0		-14.8		Belt Off SVE, Replace & Restart, Adj Bleed
01/14/09	10:45 AM	90.5	-15.3	-15.5	-16.0	-15.3	-15.6		-15.3	-2.3	-3.3	-10.3	-14.6		-15.0		
01/26/09	9:10 AM		-13.0	-13.0	-14.0	-13.2	-13.3		-13.2	-1.7	-2.0	-8.5	-9.0		-13.0		
02/10/09	9:00 AM		-12.0	-11.3	-14.0	-14.0	-14.0		-13.8	-1.8	-2.8	-6.5	-10.1		-13.8		
02/26/09	7:40 AM	96.6	-15.5	-14.0	-20.0	-21.0	-21.3		-20.8	-1.7	-5.0	-12.0	-11.0		-20.0		
03/02/09	9:20 AM	91.9	-21.0	-14.4	-21.0	-21.2	-22.0		-18.0	-2.3	-4.1	-20.5	-16.2		-20.5		
03/09/09	9:20 AM	82.6	-20.4	-13.5	-20.7	-20.5	-21.3		-20.4	-2.1	-4.4	-20.3	-19.0		-20.2		
03/16/09	9:11 AM	86.3	-20.0	-10.5	-21.7	-21.5	-21.9		-20.5	-1.4	-3.8	-20.0	-17.0		-20.5		
03/24/09	9:13 AM	89.0	-21.0	-12.1	-21.3	-21.3	-21.8		-20.4	-1.6	-4.3	-17.6	-16.2		-12.7		
03/30/09	9:13 AM	90.6	-20.3	-10.3	-21.1	-20.0	-21.5		-16.5	-0.7	-4.2	-20.4	-17.3		-8.5		
04/06/09	9:08 AM	93.4	-18.0	-11.6	-23.8	-21.0	-22.4		-18.2	-0.8	-4.5	-22.0	-18.2		-10.3		
04/14/09	8:55 AM	92.8	-13.7	-11.0	-22.5	-22.0	-24.0		-23.1	-1.8	-3.7	-22.8	-18.8		-9.2		AC Down, Restart
04/20/09	9:30 AM		-12.5	-10.3	-21.5	-22.1	-24.3		-23.2	-1.9	-2.4	-18.5	-21.3		-9.4		
04/28/09	9:20 AM	82.9	-14.1	-12.6	-23.0	-23.2	-24.6		-22.4	-1.1	-2.2	-20.2	-17.4		-10.1		AC Down, Restart
05/11/09	9:45 AM	83.0	-10.0	-9.9	-23.0	-23.0	-23.9		-22.5	-1.2	-4.0	-14.5	-17.8		-9.3		

Table 4

SVE Field Data

ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico

Date	Time	PID (ppm)	Monitoring Point - Measurements = inches of water at wellhead vacuum (-); pressure (+)													Comments
			MW-4 SVE-1	MW-5 SVE-2	MW-6 SVE-3	MW-7 SVE-4	MW-8 SVE-5	MW-9 SVE-6	MW-10 SVE-7	MW-11 SVE-8	MW-12 SVE-9	SVE-10	MW-14 SVE-11	MW-15 SVE-12	MW-18 SVE-13	
05/26/09	9:01 AM	96.0	-10.3	-9.6	-22.9	-25.0	-22.8		-22.2	-0.8	-4.9	-18.2	-20.5		-7.9	
06/01/09	10:00 AM	81.3	-8.0	-10.5	-22.1	-22.4	-22.8		-22.8	-0.9	-4.6	-21.0	-20.8		-8.4	
06/09/09	8:00 AM	80.7	-7.5	-9.8	-22.0	-22.0	-21.6		-21.6	-0.8	-5.8	-18.8	-20.7		-8.8	
06/15/09	8:30 AM	123	-1.5	-10.2	-20.5	-21.3	-20.9		-21.3	-0.3	-4.9	-18.9	-19.2		-7.2	
06/29/09	9:15 AM	104	-6.0	-14.6	-20.4	-20.2	-20.5		-20.4	-0.3	-3.7	-20.4	-19.7		-7.1	
07/06/09	8:30 AM	112														AC Down, Restart
07/14/09	9:00 AM	132	-7.2	-19.8	-20.1	-20.0	-20.1	-20.1	-19.7	-0.3	-5.8	-19.7	-19.3		-7.0	AC Down, Restart
07/20/09	8:30 AM	105	-5.9	-19.9	-20.4	-22.2	-20.0	-20.0	-19.8	-0.2	-4.5	-20.0	-19.6		-6.1	
07/27/09	10:00 AM	103	-6.9	-19.9	-19.6	-19.9	-19.8	-19.8	-20.2	-0.6	-6.2	-20.2	-18.9		-5.9	
08/03/09	9:00 AM	134	-7.1	-19.7	-20.3	-20.2	-20.1	-20.1	-20.1	-0.4	-6.1	-20.5	-19.1		-6.8	System Down, Restart
08/12/09	8:40 AM	120	-18.4	-19.5	-19.5	-19.6	-19.9	-19.9	-19.5	-0.4	-8.5	-19.7	-18.5		-6.6	
08/24/09	8:30 AM	120	-18.7	-18.5	-18.9	-18.7	-18.9	-18.9	-18.9	-0.4	-18.3	-18.8	-17.6		-5.8	AC Down, Restart
08/31/09	8:45 AM	128	-19.1	-18.9	-19.0	-19.0	-19.2	-19.2	-18.6	-0.1	-18.4	-18.8	-17.9		-6.5	AC Down, Restart
09/08/09	10:30 AM	114	-18.7	-18.5	-18.7	-18.7	-18.7	-18.7	-18.4	-0.2	-18.1	-18.4	-17.7		-4.9	AC Down, Restart
09/16/09	8:30 AM	127	-19.1	-18.8	-19.0	-18.8	-19.2	-19.2	-19.4	-0.1	-18.3	-18.7	-17.9		-6.2	
09/28/09	8:30 AM	120	-19.6	-19.2	-19.1	-19.1	-19.2	-19.2	-19.0	-0.1	-18.5	-18.9	-17.8		-9.6	AC Not Pressuring Up, Shut Down
10/05/09	9:45 AM	102	-18.7	-18.3	-18.9	-18.7	-18.8	-18.8	-18.4	-0.3	-18.0	-18.6	-17.6		-8.1	AC Repairs, Restart
10/12/09	8:45 AM	165	-19.6	-19.2	-19.4	-19.3	-19.4	-19.4	-19.2	-0.2	-18.7	-19.5	-18.3		-10.5	SVE Down, Restart
10/26/09	12:35 PM	158	-19.9	-19.4	-19.7	-19.1	-19.1	-19.1	-19.0	-0.1	-18.6	-19.5	-18.3		-9.7	
11/03/09	9:00 AM	155	-19.9	-19.6	-19.9	-19.6	-20.0	-20.0	-19.4	-0.2	-18.7	-19.5	-18.5		-10.4	
11/10/09	8:45 AM	125	-20.1	-19.8	-20.0	-20.1	-19.5	-19.5	-19.5	-0.1	-19.2	-19.7	-18.8		-10.2	
11/23/09	8:45 AM	124	-21.0	-18.0	-20.5	-20.3	-20.8	-20.8	-20.5	-0.1	-20.0	-20.4	-19.0		-14.6	
11/30/09	9:00 AM	117	-21.2	-16.6	-21.5	-20.7	-21.2	-21.2	-20.4	-0.1	-20.3	-18.4	-19.6		-13.4	
12/07/09	9:00 AM	94.3	-22.6	-12.6	-21.5	-20.8	-21.5	-21.5	-20.7	-0.1	-20.4	-17.2	-16.9		-14.6	
12/22/09	9:00 AM		-18.9	-12.1	-20.7	-20.9	-21.2	-21.2	-20.3	-0.1	-19.4	-17.7	-18.8		-19.0	AC Down, Restart
01/04/10	9:30 AM	107	-20.7	-12.6	-21.8	-21.5	-22.0	-22.0	-21.0	-0.1	-13.7	-20.4	-11.5		-21.5	
01/11/10	9:20 AM	108	-20.6	-12.0	-22.3	-22.8	-21.6	-21.6	-15.6	-0.1	-12.2	-0.1	-10.8		-20.8	
01/18/10	9:40 AM		-19.0	-10.6	-16.7	-21.6	-22.9	-22.9	-19.5	-0.1	-12.0	-0.1	-14.7		-20.4	
02/01/10	9:40 AM	93.5	-19.8	-11.8	-16.1	-23.0	-21.6	-21.6	-20.8	-0.1	-15.8	-0.1	-14.6		-11.0	
02/08/10	9:30 AM	98.7														Too Wet to Check
02/22/10	9:00 AM	92.2	-9.6	-10.2	-11.4	-20.2	-24.0	-24.0	-19.5	0.0	-13.3	-0.2	-17.6		-7.8	

Notes:

SVE = Soil Vapor Extraction

MW = Monitoring Well

PID = Photo-Ionization Detector

AC = Air Compressor

ppm = parts per million

Blank fields indicate No Data

Table 5
Dissolved Oxygen Field Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Date	Time	Monitoring Point - DO Measurements = Milligrams per Liter							
		- Temperature Measurements = Degrees Celsius							
		MW-4 SVE-1	MW-5 SVE-2	MW-12 SVE-9	MW-14 SVE-11	MW-16	MW-18 SVE-13	MW-24	SVE-10
01/19/09	11:30 AM	4.58	4.64	0.33	0.60	0.21	0.63	0.14	0.53
		18.8	18.6	18.6	18.3	19.6	18.8	18.9	19.5
01/26/09	9:31 AM	4.62	4.97	0.20	0.92	0.38	0.61	0.26	0.33
		18.4	18.1	18.5	18.2	19.5	18.6	18.8	19.1
02/26/09	8:25 AM	4.69	5.10	0.16	1.77	0.18	1.08	0.22	0.61
		18.0	18.3	18.5	18.1	18.8	18.5	18.5	19.0
03/09/09	9:52 AM	4.50	4.44	0.29	4.25	0.29	1.37	0.23	5.63
		18.3	18.4	18.5	18.1	18.8	18.7	18.6	19.1
03/24/09	10:28 AM	4.63	3.66	0.20	3.30	0.26	0.75	0.22	4.41
		17.8	17.9	18.1	17.7	18.5	18.2	18.5	18.4
04/06/09	9:45 AM	4.12	3.80	0.20	4.15	0.22	0.41	0.20	4.79
		16.9	17.5	17.9	17.2	17.6	17.8	17.9	18.2
04/20/09	10:00 AM	4.99	3.81	0.31	5.30	0.56	0.60	0.32	4.24
		17.8	17.9	18.0	17.7	18.4	18.1	18.2	18.4
05/11/09	10:18 AM	4.99	3.51	0.29	2.05	0.17	0.35	0.15	2.62
		17.6	18.0	17.9	17.6	18.4	18.1	18.4	18.4
06/01/09	10:40 AM	4.85	3.04	0.23	2.06	0.24	0.25	0.19	3.24
		18.6	18.7	18.6	18.4	19.2	18.8	19.0	19.1
06/15/09	9:15 AM	4.73	2.72	0.20	2.33	0.17	0.22	0.19	2.44
		19.2	18.9	18.6	18.8	19.5	18.9	19.2	19.1
07/14/09	9:55 AM	4.38	0.31	0.19	3.94	0.17	0.23	0.18	0.22
		19.0	18.8	18.8	19.0	19.4	19.1	19.2	19.3
07/27/09	10:51 AM	4.10	0.38	0.21	2.67	0.15	0.26	0.20	0.28
		19.4	18.9	19.0	19.3	19.5	19.2	19.2	19.7
08/12/09	9:20 AM	4.07	0.49	0.24	1.27	0.36	0.21	0.23	0.32
		18.8	18.5	18.6	18.7	19.5	18.9	18.9	19.3
08/31/09	9:24 AM	4.43	1.00	0.32	2.63	0.49	0.36	0.30	0.53
		18.8	18.6	18.7	18.9	19.3	18.9	18.9	19.5
09/16/09	9:11 AM	4.11	0.55	0.29	1.21	0.54	0.29	0.27	0.55
		18.6	18.5	18.7	18.8	19.4	18.9	18.8	19.5
10/05/09	9:50 AM	4.52	0.35	0.32	2.70	0.61	0.32	0.29	0.84
		19.2	18.9	19.1	19.3	19.7	19.2	19.0	20.0
10/26/09	1:05 PM	5.08	1.36	0.36	5.95	0.65	0.82	0.32	1.53
		18.1	18.2	18.3	16.9	18.8	18.7	18.3	19.7
11/10/09	10:30 AM	5.31	1.50	0.40	2.40	0.70	0.66	0.40	0.97
		18.4	18.5	18.8	18.7	19.1	18.9	18.5	19.8
11/30/09	9:40 AM	5.29	0.51	0.35	1.41	0.58	0.87	0.24	0.86
		17.4	17.8	18.1	18.3	18.6	18.0	17.7	18.7

Table 5
Dissolved Oxygen Field Data
 ConocoPhillips - East Hobbs Junction
 Hobbs, New Mexico

Date	Time	Monitoring Point - DO Measurements = Milligrams per Liter							
		- Temperature Measurements = Degrees Celsius							
		<u>MW-4</u> SVE-1	<u>MW-5</u> SVE-2	<u>MW-12</u> SVE-9	<u>MW-14</u> SVE-11	<u>MW-16</u>	<u>MW-18</u> SVE-13	<u>MW-24</u>	SVE-10
12/22/09	9:24 AM	4.71	3.98	0.26	1.18	0.59	1.40	0.30	0.75
		18.4	18.2	18.2	18.5	18.7	18.1	18.1	19.0
01/11/10	9:50 AM	4.82	3.52	0.24	1.04	0.54	1.34	0.14	0.30
		18.0	18.1	18.0	18.1	18.4	18.1	18.3	18.9
01/25/10	10:07 AM	5.36	4.01	0.42	1.30	0.67	0.65	0.29	0.49
		18.0	18.0	18.2	18.2	18.3	18.4	18.4	18.6
02/22/10	9:39 AM	4.06	3.77	0.20	0.73	0.44	0.21	0.15	0.38
		18.0	17.8	17.7	17.8	18.4	17.9	18.1	18.6

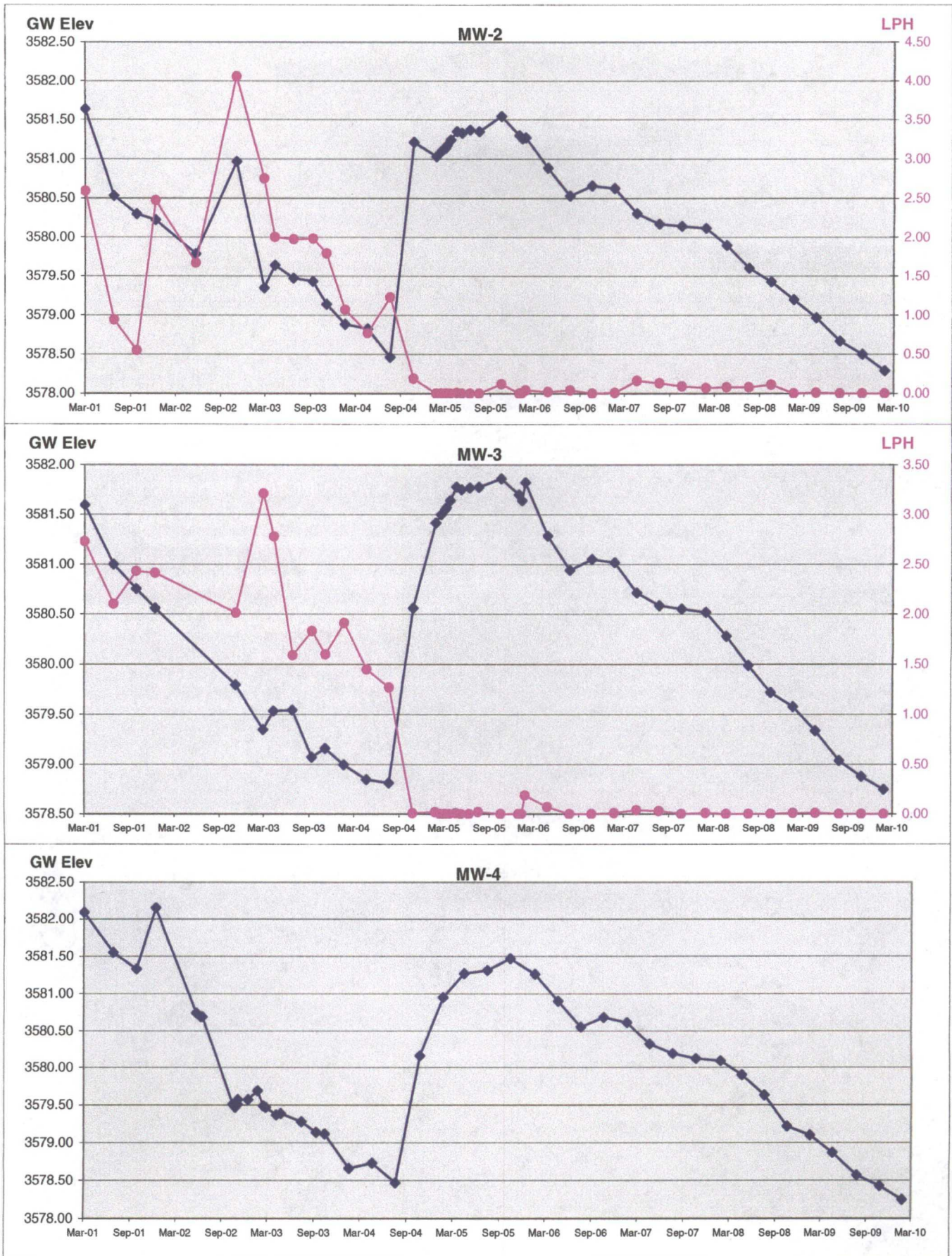
Notes:

SVE = Soil Vapor Extraction
 MW = Monitoring Well
 DO = Dissolved Oxygen

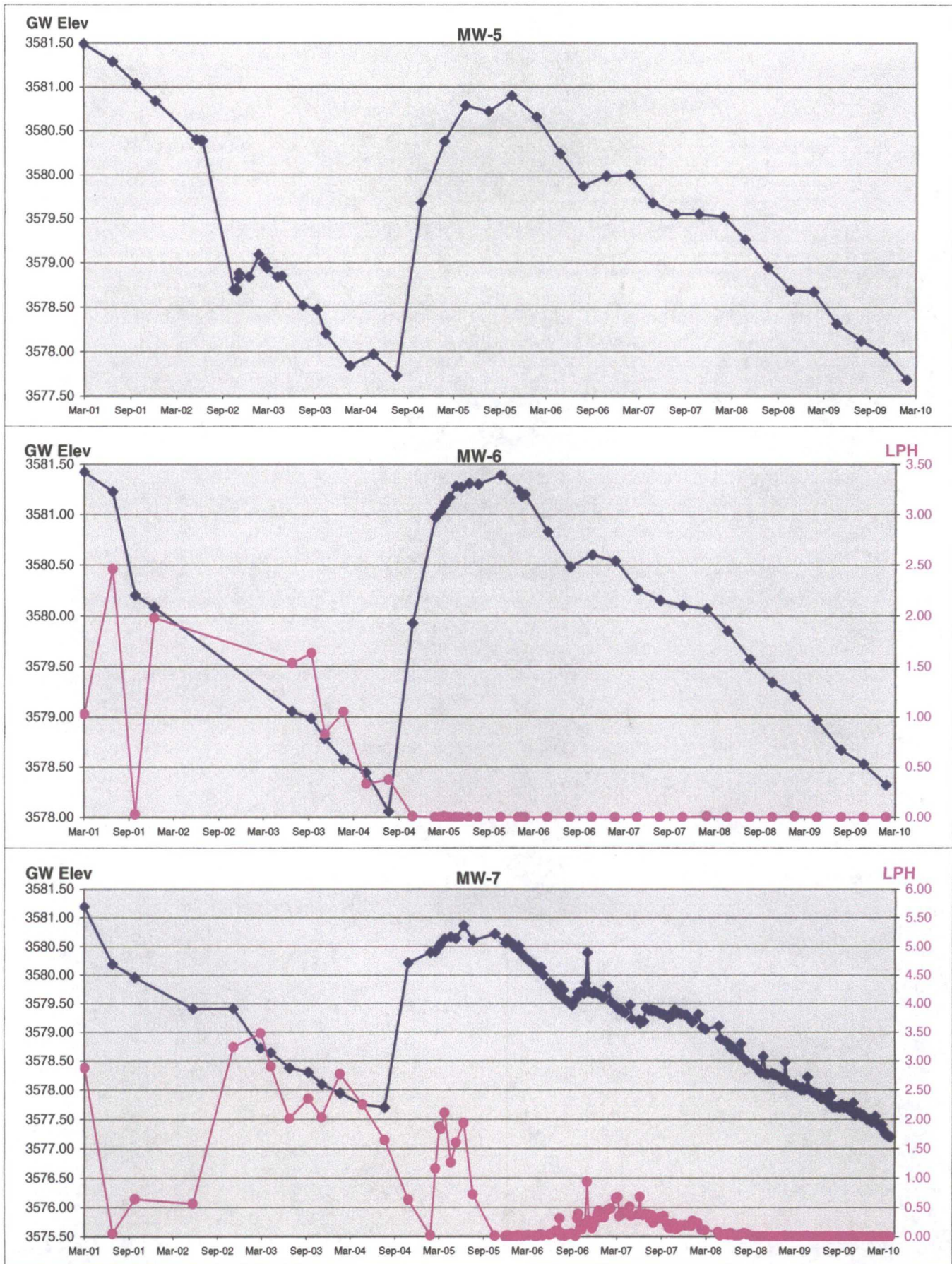
APPENDIX A

Hydrographs

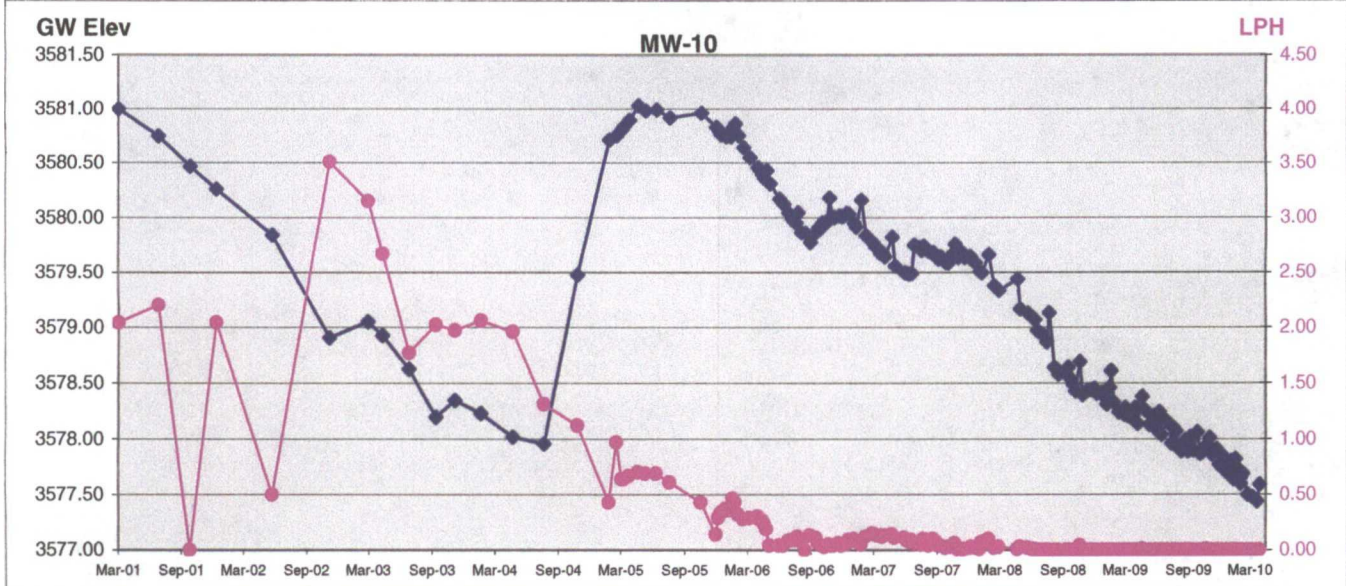
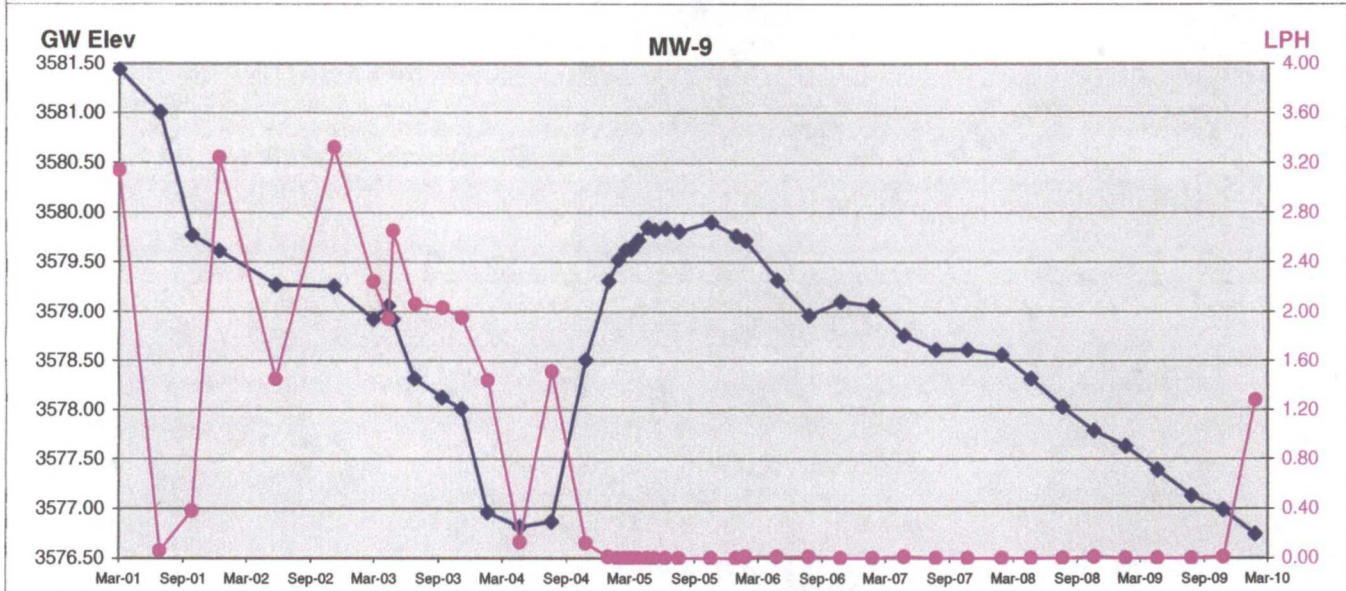
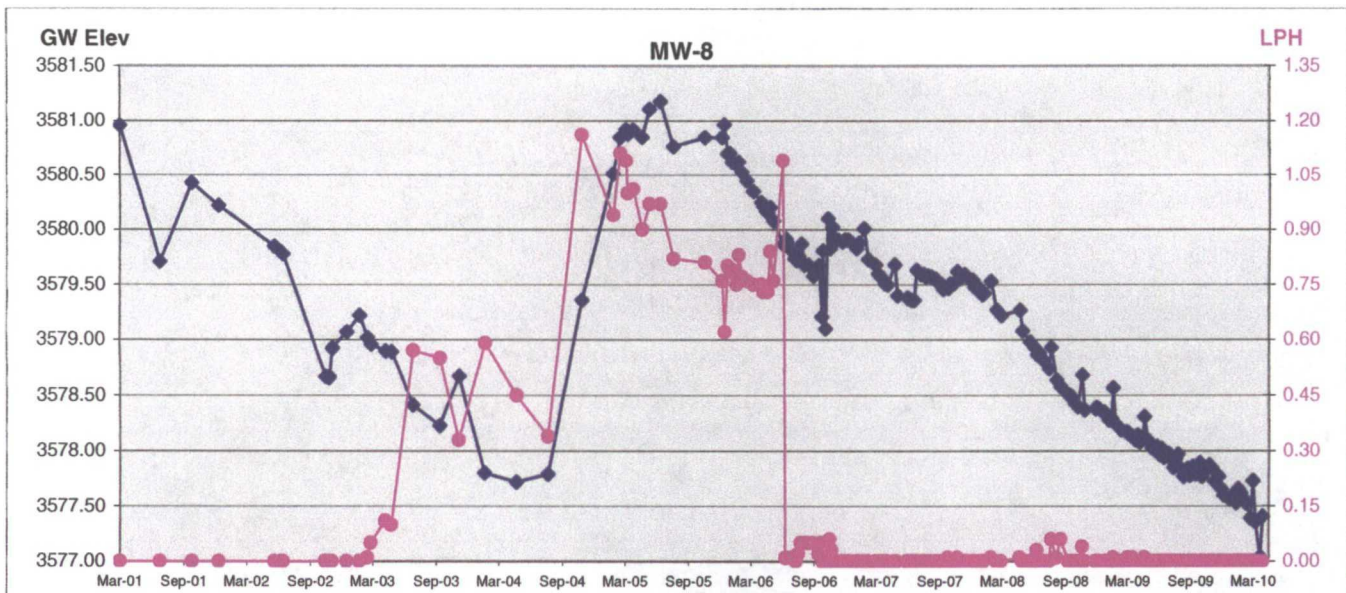
Hydrograph Charts East Hobbs Junction



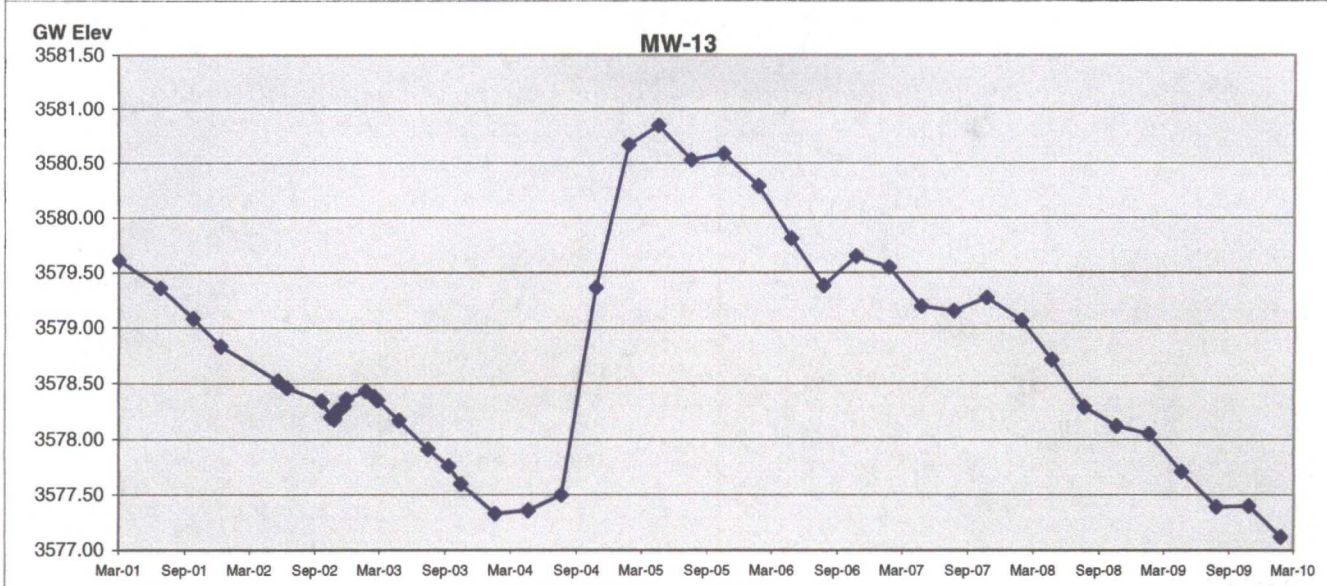
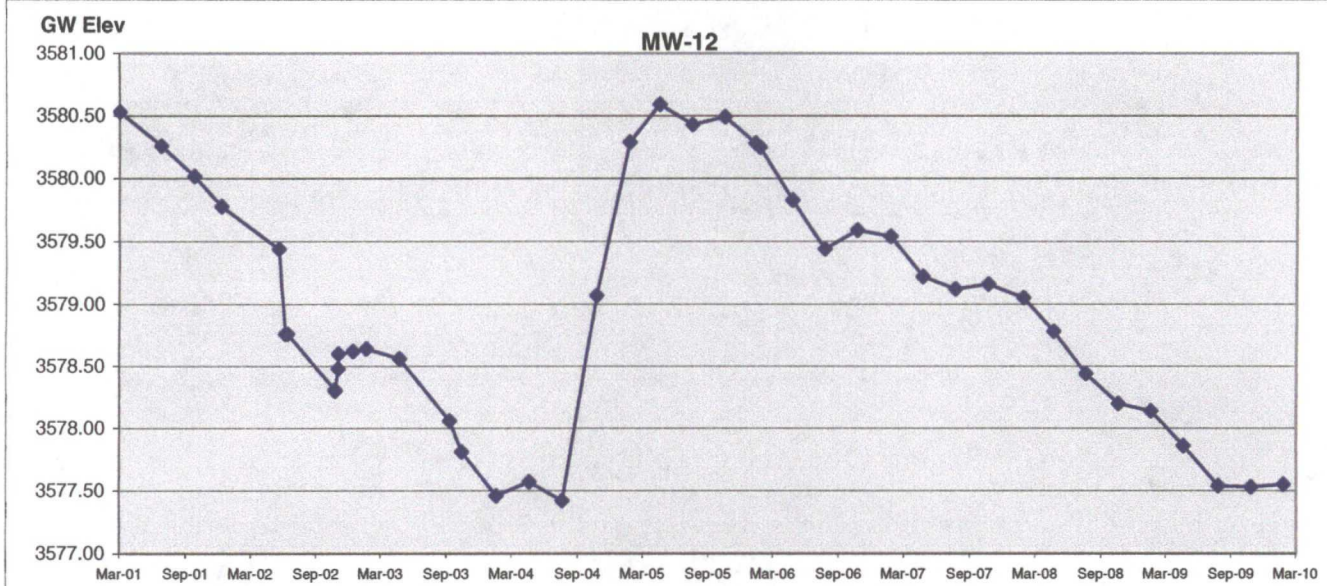
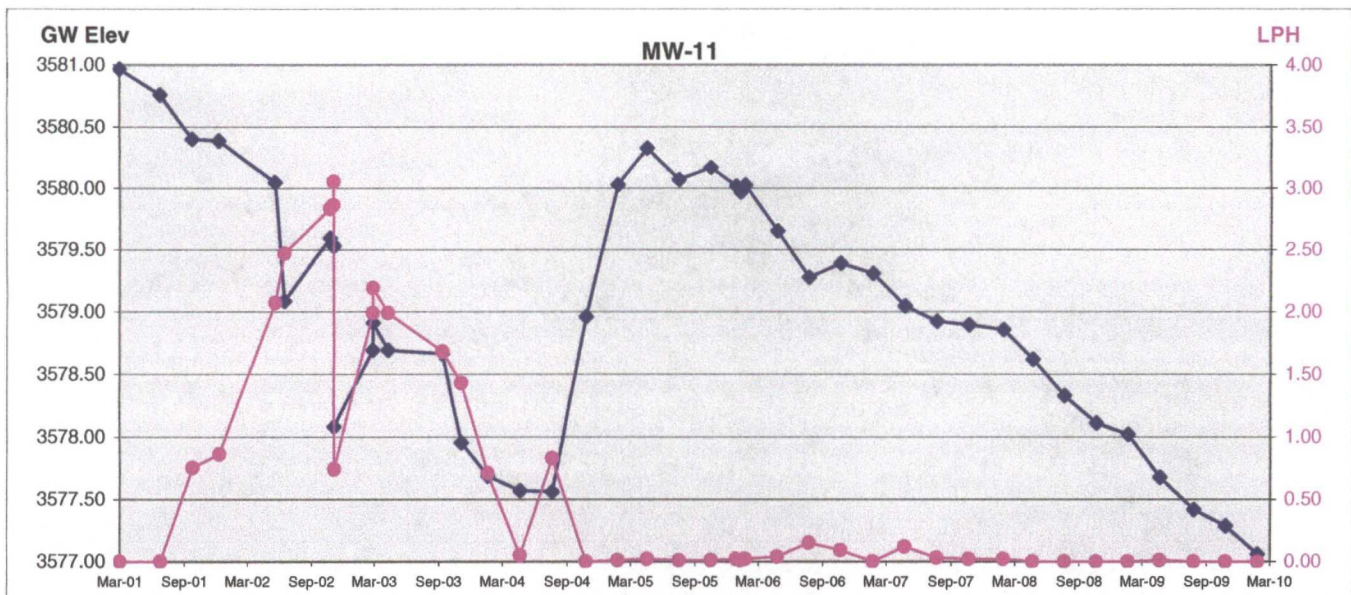
Hydrograph Charts East Hobbs Junction



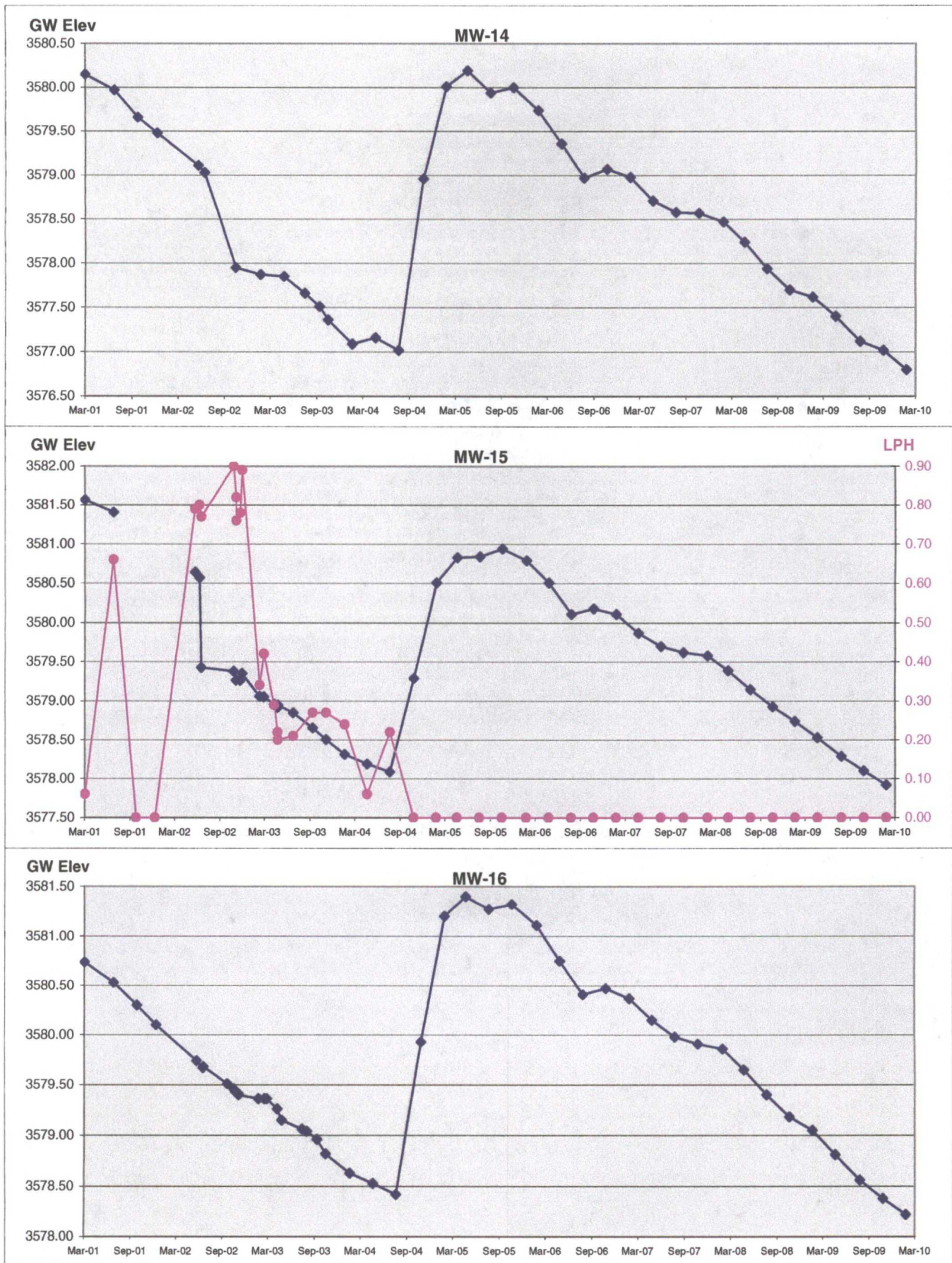
Hydrograph Charts East Hobbs Junction



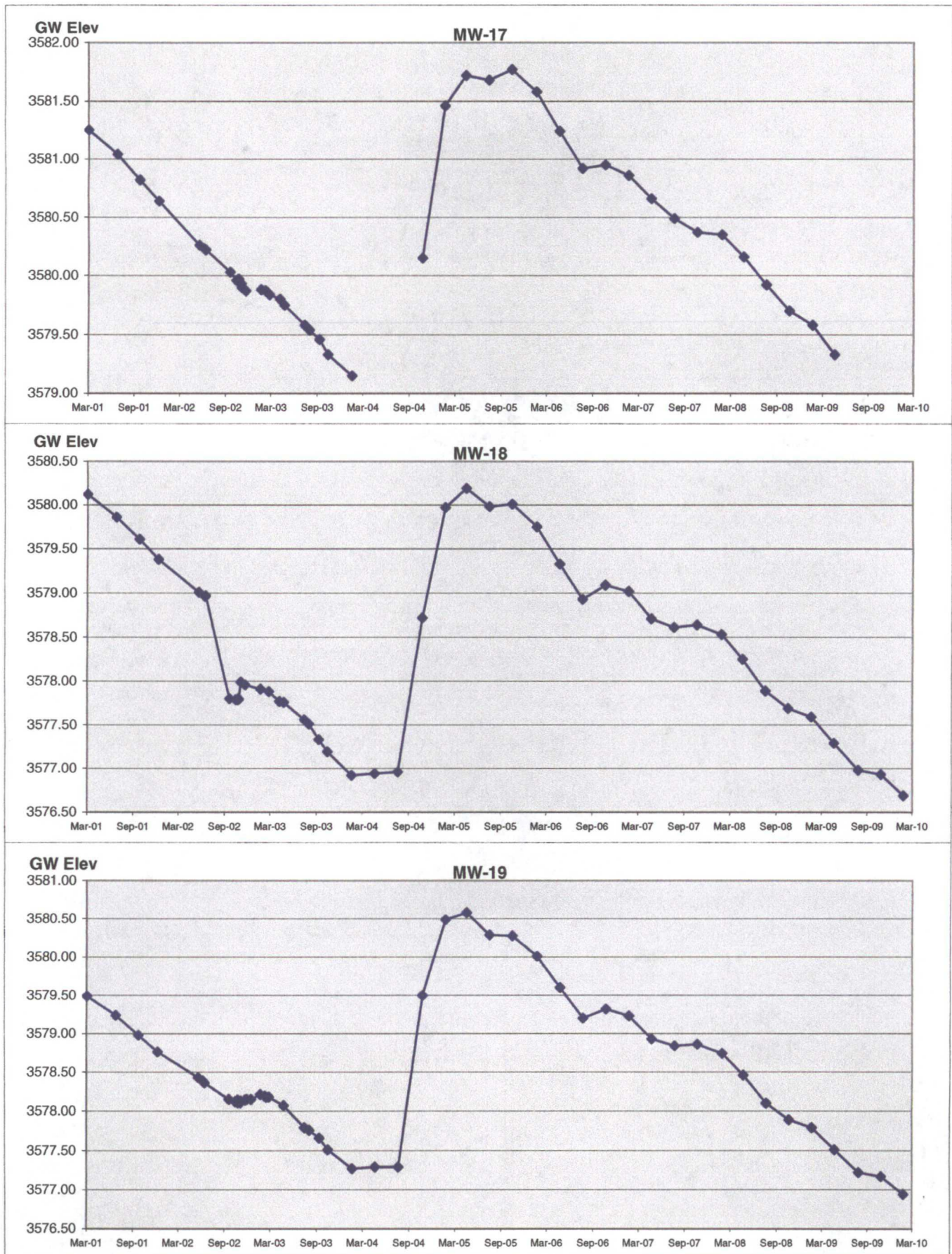
Hydrograph Charts East Hobbs Junction



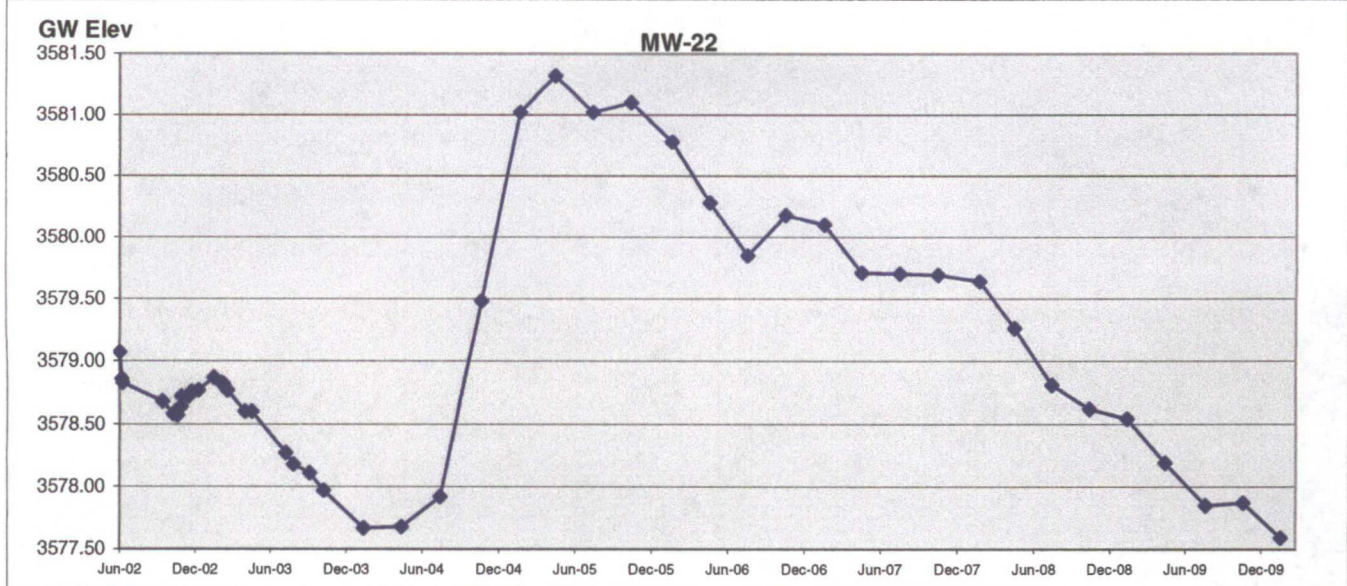
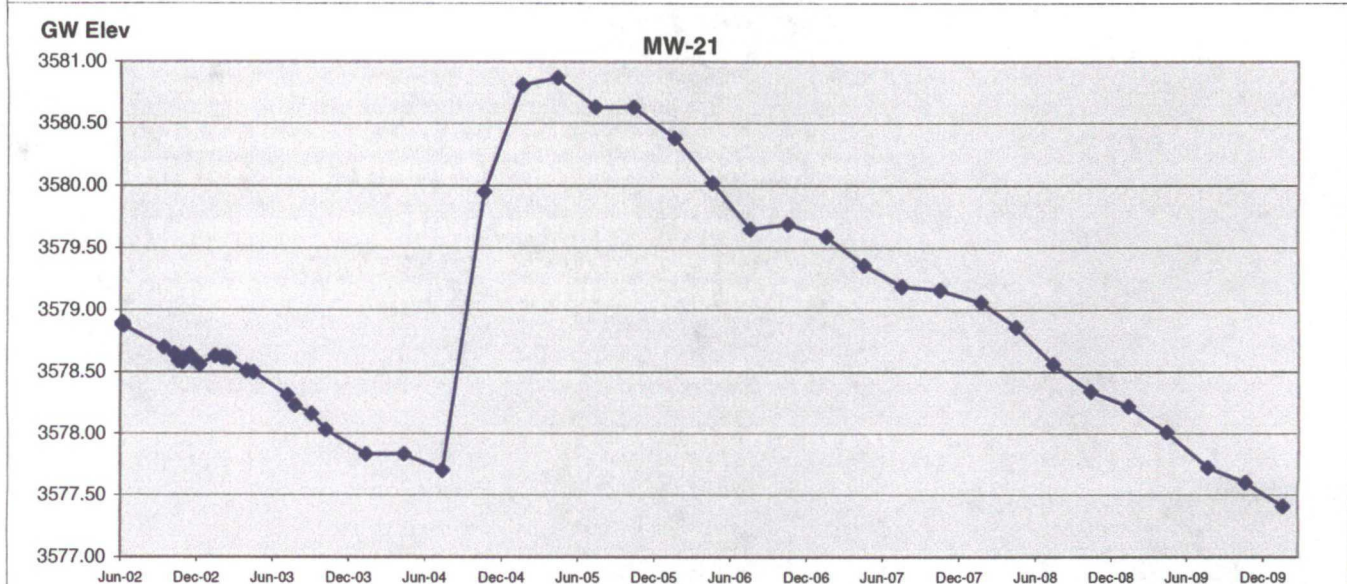
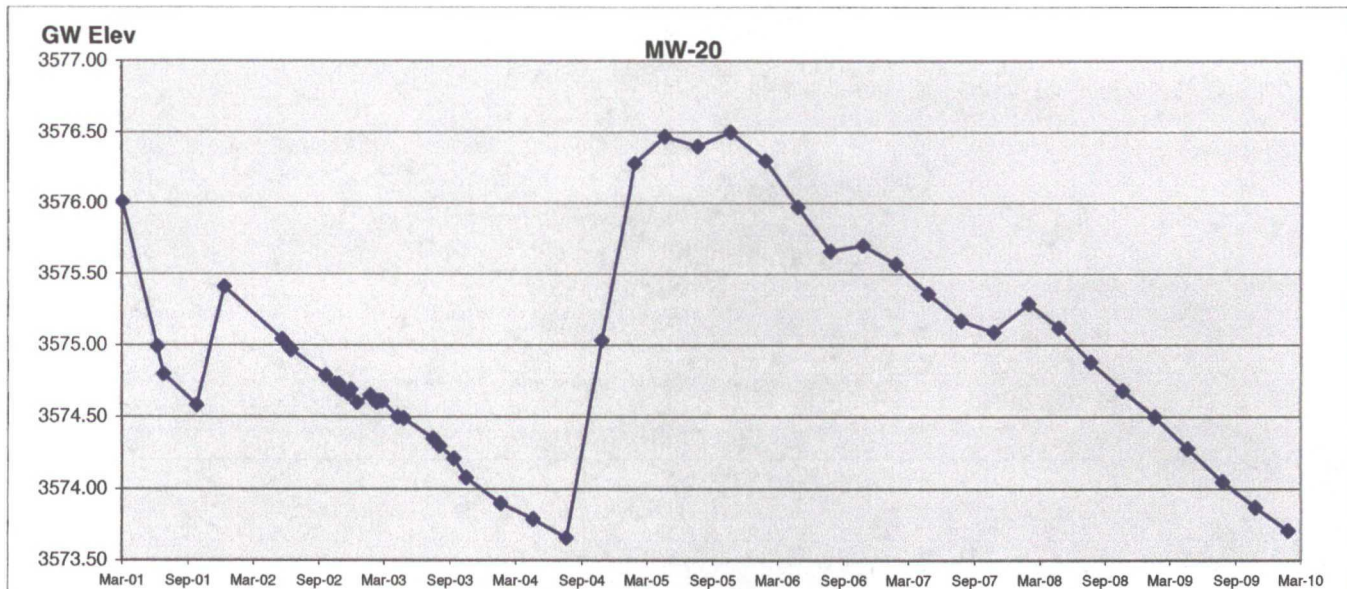
Hydrograph Charts East Hobbs Junction



Hydrograph Charts East Hobbs Junction

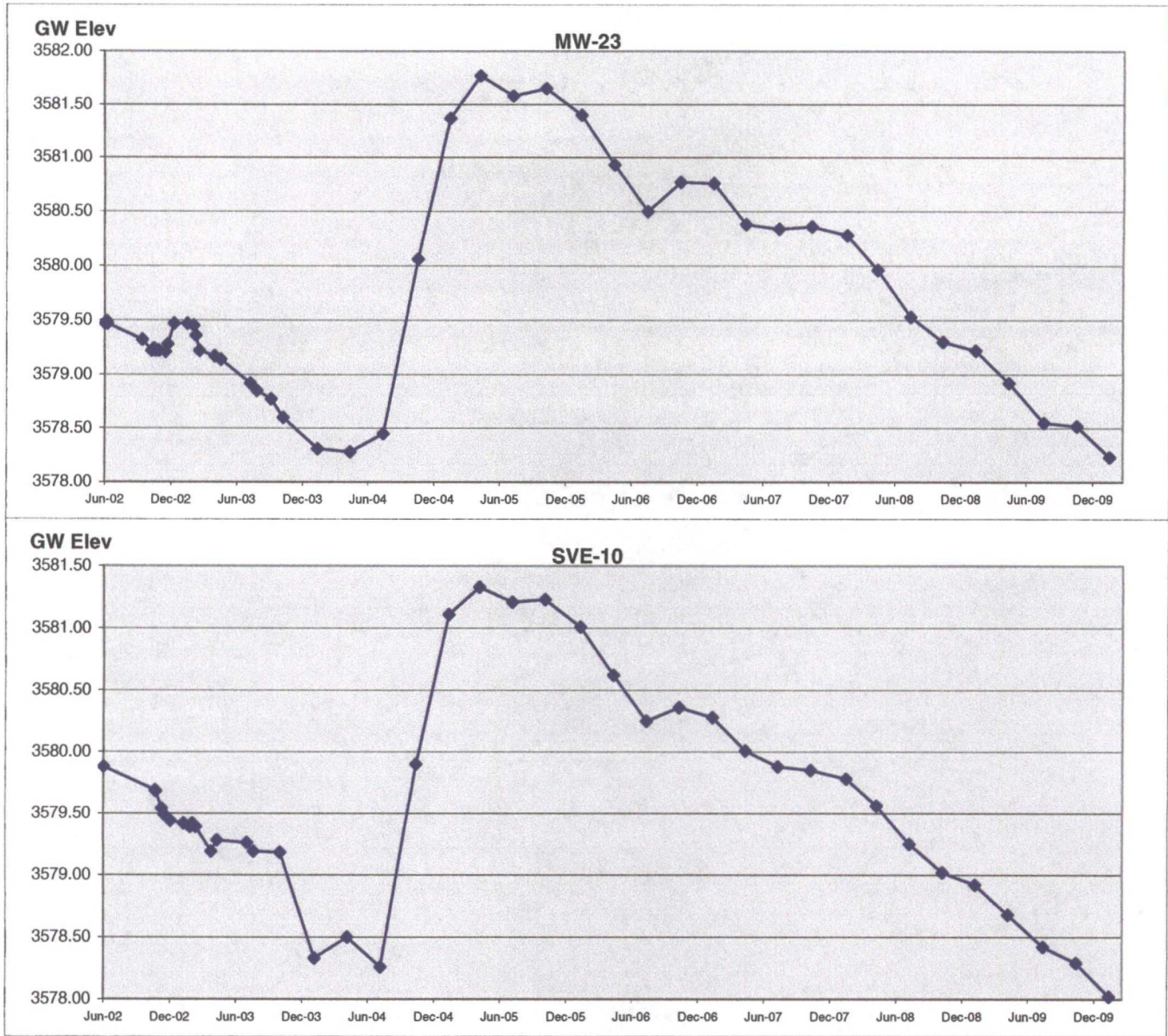


Hydrograph Charts East Hobbs Junction



Hydrograph Charts

East Hobbs Junction



APPENDIX B

Laboratory Analytical Data



TETRA TECH, INC.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

May 14, 2009

Workorder: H09040519

Greg W. Pope, P.G.
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Project: East Hobbs Junction

Project Number: na

Site: Hobbs, New Mexico

PO Number: 4511063196

NELAC Cert. No.: T104704205-08C-TX

This Report Contains A Total Of 76 Pages

Excluding Any Attachments



SPL Inc.
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Case Narrative

May 14, 2009

Workorder: H09040519

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Midland, TX 79705

Project: East Hobbs Junction

Project Number: na

Site: Hobbs, New Mexico

PO Number: 4511063196

NELAC Cert. No.: T104704205-08C-TX

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

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.

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch IDs: EXTO/1263 and EXTO/1265 for the Diesel Range Organics analysis by Method 8015. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

Your sample ID "MW-16" (SPL ID: H09040519002) was randomly selected for use in SPL's quality control program for the Total Chloride analysis by EPA Method 300. The Matrix Spike Duplicate (MSD) recovery was outside of the advisable quality control limits for Batch ID: IC/1068 due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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



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Case Narrative

May 14, 2009

Workorder: H09040519

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Erica Cardenas, Senior Project Manager

Enclosures



SPL Inc.
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Fax: (713) 660-8975

SAMPLE SUMMARY

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H09040519001	MW-21	Water	330408	4/21/2009 13:05	4/23/2009 10:00
H09040519002	MW-16	Water	330408	4/21/2009 13:20	4/23/2009 10:00
H09040519003	MW-25	Water	330408	4/21/2009 13:51	4/23/2009 10:00
H09040519004	MW-24	Water	330378	4/21/2009 14:10	4/23/2009 10:00
H09040519005	MW-15	Water	330378	4/21/2009 14:37	4/23/2009 10:00
H09040519006	DUP#1	Water	330378	4/21/2009 00:00	4/23/2009 10:00
H09040519007	MW-4	Water	330379	4/22/2009 07:40	4/23/2009 10:00
H09040519008	MW-5	Water	330379	4/22/2009 07:53	4/23/2009 10:00
H09040519009	MW-26	Water	330379	4/22/2009 08:25	4/23/2009 10:00
H09040519010	MW-27	Water	330380	4/22/2009 08:45	4/23/2009 10:00
H09040519011	MW-23	Water	330380	4/22/2009 09:00	4/23/2009 10:00
H09040519012	MW-22	Water	330380	4/22/2009 09:14	4/23/2009 10:00
H09040519013	MW-13	Water	330380	4/22/2009 09:28	4/23/2009 10:00
H09040519014	MW-19	Water	330381	4/22/2009 09:45	4/23/2009 10:00
H09040519015	MW-14	Water	330381	4/22/2009 10:00	4/23/2009 10:00
H09040519016	MW-18	Water	330381	4/22/2009 10:17	4/23/2009 10:00
H09040519017	MW-12	Water	330382	4/22/2009 10:34	4/23/2009 10:00
H09040519018	SVE-10	Water	330382	4/22/2009 10:53	4/23/2009 10:00
H09040519019	MW-6	Water	330382	4/22/2009 11:10	4/23/2009 10:00
H09040519020	DUP#2	Water	330383	4/22/2009 00:00	4/23/2009 10:00
H09040519021	Trip Blank	Water	330383	4/22/2009 11:45	4/23/2009 10:00
H09040519022	MW-20	Water	330408	4/21/2009 13:36	4/23/2009 10:00



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ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519001

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-21

Date/Time Collected: 4/21/2009 13:05

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/05/2009 22:28 by BDG

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Chloride	1090		50.0	100			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N.M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 13:58 by SLE

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1263	1188
n-Pentacosane (S)	89.2 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 13:25 by WLW

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	ND		1.0	1			1263
Ethylbenzene	ND		1.0	1			1263
Toluene	ND		1.0	1			1263
m,p-Xylene	ND		1.0	1			1263
o-Xylene	ND		1.0	1			1263
Xylenes, Total	ND		1.0	1			1263
1,4-Difluorobenzene (S)	99.7 %		70-130	1			1263
4-Bromofluorobenzene (S)	96.9 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



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ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519001

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-21

Date/Time Collected: 4/21/2009 13:05

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 13:25 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	93.1 %		60-155	1			1259
4-Bromofluorobenzene (S)	98.5 %		50-158	1			1259



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ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519002

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-16

Date/Time Collected: 4/21/2009 13:20

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/05/2009 22:46 by BDG

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Chloride	131		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 14:31 by SLE

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1263	1188
n-Pentacosane (S)	82.5 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 13:54 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	ND		1.0	1			1263
Ethylbenzene	ND		1.0	1			1263
Toluene	ND		1.0	1			1263
m,p-Xylene	ND		1.0	1			1263
o-Xylene	ND		1.0	1			1263
Xylenes, Total	ND		1.0	1			1263
1,4-Difluorobenzene (S)	99.4 %		70-130	1			1263
4-Bromofluorobenzene (S)	97.5 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519002

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-16

Date/Time Collected: 4/21/2009 13:20

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 13:54 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	94.4 %		60-155	1			1259
4-Bromofluorobenzene (S)	100 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519003

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-25

Date/Time Collected: 4/21/2009 13:51

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/05/2009 23:04 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	159		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N.M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 15:04 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.079		0.050	1		1263	1188
n-Pentacosane (S)	84.4 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 18:17 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1263
Ethylbenzene	ND		1.0	1			1263
Toluene	ND		1.0	1			1263
m,p-Xylene	ND		1.0	1			1263
o-Xylene	ND		1.0	1			1263
Xylenes, Total	ND		1.0	1			1263
1,4-Difluorobenzene (S)	98.3 %		70-130	1			1263
4-Bromofluorobenzene (S)	97.6 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519003

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-25

Date/Time Collected: 4/21/2009 13:51

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 18:17 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	97.7 %		60-155	1			1259
4-Bromofluorobenzene (S)	102 %		50-158	1			1259



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Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519004

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-24

Date/Time Collected: 4/21/2009 14:10

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/05/2009 23:23 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	278		25.0	50			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N: M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 15:45 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.38		0.050	1		1263	1188
n-Pentacosane (S)	83.8 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 18:47 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	2.3		1.0	1			1263
Ethylbenzene	36		1.0	1			1263
Toluene	15		1.0	1			1263
m,p-Xylene	12		1.0	1			1263
o-Xylene	3.9		1.0	1			1263
Xylenes, Total	15.9		1.0	1			1263
1,4-Difluorobenzene (S)	102 %		70-130	1			1263
4-Bromofluorobenzene (S)	98.4 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519004

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-24

Date/Time Collected: 4/21/2009 14:10

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 18:47 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	1.3		0.10	1			1259
1,4-Difluorobenzene (S)	147 %		60-155	1			1259
4-Bromofluorobenzene (S)	107 %		50-158	1			1259



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Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519005

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-15

Date/Time Collected: 4/21/2009 14:37

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/05/2009 23:41 by BDG

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Chloride	252		10.0	20			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N.M.

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 05/01/2009 13:44 by SLE

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Diesel Range Organics(C10-C28)	27		1.0	20		1263	1188
n-Pentacosane (S)	0 %	D*	20-150	20		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 18:00 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	ND		1.0	1			1279
Ethylbenzene	ND		1.0	1			1279
Toluene	ND		1.0	1			1279
m,p-Xylene	1.2		1.0	1			1279
o-Xylene	ND		1.0	1			1279
Xylenes, Total	1.2		1.0	1			1279
1,4-Difluorobenzene (S)	98.4 %		70-130	1			1279
4-Bromofluorobenzene (S)	102 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519005

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-15

Date/Time Collected: 4/21/2009 14:37

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1277 SW-846 8015B GRO Gas on 04/27/2009 00:47 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	0.20		0.10	1			1277
1,4-Difluorobenzene (S)	97.3 %		60-155	1			1277
4-Bromofluorobenzene (S)	111 %		50-158	1			1277



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Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519006

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: DUP#1

Date/Time Collected: 4/21/2009 00:00

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/05/2009 23:59 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	323		10.0	20			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:16 by N M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 17:20 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.34		0.050	1		1263	1188
n-Pentacosane (S)	70.7 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 18:30 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	2.0		1.0	1			1279
Ethylbenzene	16		1.0	1			1279
Toluene	3.5		1.0	1			1279
m,p-Xylene	4.3		1.0	1			1279
o-Xylene	1.0		1.0	1			1279
Xylenes, Total	5.3		1.0	1			1279
1,4-Difluorobenzene (S)	97.7 %		70-130	1			1279
4-Bromofluorobenzene (S)	101 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519006

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: DUP#1

Date/Time Collected: 4/21/2009 00:00

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1277 SW-846 8015B GRO Gas on 04/27/2009 03:14 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	0.46		0.10	1			1277
1,4-Difluorobenzene (S)	106 %		60-155	1			1277
4-Bromofluorobenzene (S)	108 %		50-158	1			1277



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519007

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-4

Date/Time Collected: 4/22/2009 07:40

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 00:54 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	33.7		2.50	5			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N_M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 18:04 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1263	1188
n-Pentacosane (S)	81 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 20:14 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1263
Ethylbenzene	ND		1.0	1			1263
Toluene	ND		1.0	1			1263
m,p-Xylene	ND		1.0	1			1263
o-Xylene	ND		1.0	1			1263
Xylenes, Total	ND		1.0	1			1263
1,4-Difluorobenzene (S)	99.5 %		70-130	1			1263
4-Bromofluorobenzene (S)	97.9 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519007

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-4

Date/Time Collected: 4/22/2009 07:40

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 20:14 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	98 %		60-155	1			1259
4-Bromofluorobenzene (S)	104 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519008

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-5

Date/Time Collected: 4/22/2009 07:53

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 01:12 by BDG

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Chloride	22.1		1.00	2			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 20:12 by SLE

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1263	1188
n-Pentacosane (S)	67.4 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 20:43 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	ND		1.0	1			1263
Ethylbenzene	ND		1.0	1			1263
Toluene	ND		1.0	1			1263
m,p-Xylene	ND		1.0	1			1263
o-Xylene	ND		1.0	1			1263
Xylenes, Total	ND		1.0	1			1263
1,4-Difluorobenzene (S)	99.2 %		70-130	1			1263
4-Bromofluorobenzene (S)	97.3 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519008

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-5

Date/Time Collected: 4/22/2009 07:53

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 20:43 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	97.1 %		60-155	1			1259
4-Bromofluorobenzene (S)	102 %		50-158	1			1259



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Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519009

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-26

Date/Time Collected: 4/22/2009 08:25

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 01:30 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	95.3		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N_M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 20:53 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1263	1188
n-Pentacosane (S)	69.3 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 21:13 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1263
Ethylbenzene	ND		1.0	1			1263
Toluene	ND		1.0	1			1263
m,p-Xylene	ND		1.0	1			1263
o-Xylene	ND		1.0	1			1263
Xylenes, Total	ND		1.0	1			1263
1,4-Difluorobenzene (S)	99.7 %		70-130	1			1263
4-Bromofluorobenzene (S)	97.8 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519009

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-26

Date/Time Collected: 4/22/2009 08:25

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 21:13 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	98.4 %		60-155	1			1259
4-Bromofluorobenzene (S)	102 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519010

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-27

Date/Time Collected: 4/22/2009 08:45

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 01:49 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	97.8		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N_M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 21:34 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1263	1188
n-Pentacosane (S)	39 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1263 SW-846 8021B on 04/24/2009 21:42 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	120		1.0	1			1263
Ethylbenzene	3.1		1.0	1			1263
Toluene	6.8		1.0	1			1263
m,p-Xylene	4.7		1.0	1			1263
o-Xylene	1.9		1.0	1			1263
Xylenes, Total	6.6		1.0	1			1263
1,4-Difluorobenzene (S)	106 %		70-130	1			1263
4-Bromofluorobenzene (S)	97.4 %		70-130	1			1263
Preservation pH	<2			1			1263

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519010

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-27

Date/Time Collected: 4/22/2009 08:45

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/24/2009 21:42 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	0.40		0.10	1			1259
1,4-Difluorobenzene (S)	104 %		60-155	1			1259
4-Bromofluorobenzene (S)	103 %		50-158	1			1259



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Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519011

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-23

Date/Time Collected: 4/22/2009 09:00

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 02:07 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	59.4		2.50	5			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 08:43 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.24		0.050	1		1265	1185
n-Pentacosane (S)	80.2 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 19:00 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1279
Ethylbenzene	ND		1.0	1			1279
Toluene	ND		1.0	1			1279
m,p-Xylene	ND		1.0	1			1279
o-Xylene	ND		1.0	1			1279
Xylenes, Total	ND		1.0	1			1279
1,4-Difluorobenzene (S)	98.2 %		70-130	1			1279
4-Bromofluorobenzene (S)	99.9 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519011

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-23

Date/Time Collected: 4/22/2009 09:00

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 00:07 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	94.8 %		60-155	1			1259
4-Bromofluorobenzene (S)	100 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519012

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-22

Date/Time Collected: 4/22/2009 09:14

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 02:25 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	79.4		2.50	5			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 09:18 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.061		0.050	1		1265	1185
n-Pentacosane (S)	81.2 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 19:29 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1279
Ethylbenzene	ND		1.0	1			1279
Toluene	ND		1.0	1			1279
m,p-Xylene	ND		1.0	1			1279
o-Xylene	ND		1.0	1			1279
Xylenes, Total	ND		1.0	1			1279
1,4-Difluorobenzene (S)	98.5 %		70-130	1			1279
4-Bromofluorobenzene (S)	100 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519012

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-22

Date/Time Collected: 4/22/2009 09:14

Analysis Desc: SW-846.8015B GRO
Gas

SW-846.8015B GRO Gas Analytical Batches

Batch: 1259 SW-846.8015B GRO Gas on 04/25/2009 00:36 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	98.4 %		60-155	1			1259
4-Bromofluorobenzene (S)	104 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519013

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-13

Date/Time Collected: 4/22/2009 09:28

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 02:43 by BDG

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Chloride	67.2		2.50	5			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 09:52 by SLE

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1265	1185
n-Pentacosane (S)	82.5 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 19:58 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	ND		1.0	1			1279
Ethylbenzene	ND		1.0	1			1279
Toluene	ND		1.0	1			1279
m,p-Xylene	ND		1.0	1			1279
o-Xylene	ND		1.0	1			1279
Xylenes, Total	ND		1.0	1			1279
1,4-Difluorobenzene (S)	97.8 %		70-130	1			1279
4-Bromofluorobenzene (S)	98.8 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519013

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-13

Date/Time Collected: 4/22/2009 09:28

Analysis Desc: SW-846 8015B GRO Gas
SW-846 8015B GRO Gas Analytical Batches:
Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 01:04 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	95.6 %		60-155	1			1259
4-Bromofluorobenzene (S)	100 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519014

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-19

Date/Time Collected: 4/22/2009 09:45

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 03:02 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	125		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N. M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 10:27 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	ND		0.050	1		1265	1185
n-Pentacosane (S)	69.2 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 20:28 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1279
Ethylbenzene	ND		1.0	1			1279
Toluene	ND		1.0	1			1279
m,p-Xylene	ND		1.0	1			1279
o-Xylene	ND		1.0	1			1279
Xylenes, Total	ND		1.0	1			1279
1,4-Difluorobenzene (S)	98.4 %		70-130	1			1279
4-Bromofluorobenzene (S)	100 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519014

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-19

Date/Time Collected: 4/22/2009 09:45

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 01:33 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	95.1 %		60-155	1			1259
4-Bromofluorobenzene (S)	100 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519015

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-14

Date/Time Collected: 4/22/2009 10:00

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 03:20 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	156		10.0	20			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 11:01 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.37		0.050	1		1265	1185
n-Pentacosane (S)	78.9 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1279 SW-846 8021B on 04/29/2009 20:58 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1279
Ethylbenzene	ND		1.0	1			1279
Toluene	ND		1.0	1			1279
m,p-Xylene	ND		1.0	1			1279
o-Xylene	ND		1.0	1			1279
Xylenes, Total	ND		1.0	1			1279
1,4-Difluorobenzene (S)	96.8 %		70-130	1			1279
4-Bromofluorobenzene (S)	97.9 %		70-130	1			1279
Preservation pH	<2			1			1279

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519015

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-14

Date/Time Collected: 4/22/2009 10:00

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 02:02 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1259
1,4-Difluorobenzene (S)	96.5 %		60-155	1			1259
4-Bromofluorobenzene (S)	101 %		50-158	1			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519016

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-18

Date/Time Collected: 4/22/2009 10:17

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 03:38 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	220		10.0	20			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 11:35 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.19		0.050	1		1265	1185
n-Pentacosane (S)	73.3 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1297 SW-846 8021B on 04/28/2009 10:27 by WLW DF = 10

Batch: 1297 SW-846 8021B on 04/28/2009 18:53 by WLW DF = 1

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	4400		10	10			1297
Ethylbenzene	120		1.0	1			1297
Toluene	ND		1.0	1			1297
m,p-Xylene	84		1.0	1			1297
o-Xylene	34		1.0	1			1297
Xylenes, Total	118		1.0	1			1297
1,4-Difluorobenzene (S)	109 %		70-130	10			1297
1,4-Difluorobenzene (S)	167 %	MI*	70-130	1			1297
4-Bromofluorobenzene (S)	99.5 %		70-130	10			1297
4-Bromofluorobenzene (S)	100 %		70-130	1			1297
Preservation pH	<2			10			1297
Preservation pH	<2			1			1297

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519016

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-18

Date/Time Collected: 4/22/2009 10:17

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 02:31 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	12		1.0	10			1259
1,4-Difluorobenzene (S)	107 %		60-155	10			1259
4-Bromofluorobenzene (S)	102 %		50-158	10			1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519017

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-12

Date/Time Collected: 4/22/2009 10:34

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 04:33 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	193		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:00 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 12:09 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.15		0.050	1		1265	1185
n-Pentacosane (S)	94.2 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1297 SW-846 8021B on 04/28/2009 21:21 by WLW DF = 25.

Batch: 1284 SW-846 8021B on 04/30/2009 13:28 by WLW DF = 1.

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	3600		25	25			1297
Ethylbenzene	190		25	25			1297
Toluene	1.5		1.0	1			1284
m,p-Xylene	170		1.0	1			1284
o-Xylene	11		1.0	1			1284
Xylenes, Total	181		1.0	1			1284
1,4-Difluorobenzene (S)	104 %		70-130	25			1297
1,4-Difluorobenzene (S)	229 %	MI*	70-130	1			1284
4-Bromofluorobenzene (S)	98.8 %		70-130	1			1284
4-Bromofluorobenzene (S)	101 %		70-130	25			1297
Preservation pH	<2			25			1297
Preservation pH	<2			1			1284

Gasoline Range Organics (GRO)



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519017

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-12

Date/Time Collected: 4/22/2009 10:34

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1295 SW-846 8015B GRO Gas on 04/28/2009 21:21 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	11		2.5	25			1295
1,4-Difluorobenzene (S)	100 %		60-155	25			1295
4-Bromofluorobenzene (S)	105 %		50-158	25			1295



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519018

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: SVE-10

Date/Time Collected: 4/22/2009 10:53

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 04:51 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	231		10.0	20			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:01 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 13:51 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.32		0.050	1		1265	1185
n-Pentacosane (S)	83.6 %		20-150	1		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1297 SW-846 8021B on 04/28/2009 14:58 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	2.5		1.0	1			1297
Ethylbenzene	ND		1.0	1			1297
Toluene	ND		1.0	1			1297
m,p-Xylene	ND		1.0	1			1297
o-Xylene	ND		1.0	1			1297
Xylenes, Total	ND		1.0	1			1297
1,4-Difluorobenzene (S)	98.5 %		70-130	1			1297
4-Bromofluorobenzene (S)	100 %		70-130	1			1297
Preservation pH	<2			1			1297

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519018

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: SVE-10

Date/Time Collected: 4/22/2009 10:53

Analysis Desc: SW-846 8015B GRO Gas		SW-846 8015B GRO Gas Analytical Batches:					
		Batch: 1295 SW-846 8015B GRO Gas on 04/28/2009 14:58 by WLW					
Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Gasoline Range Organics	0.11		0.10	1			1295
1,4-Difluorobenzene (S)	95.9 %		60-155	1			1295
4-Bromofluorobenzene (S)	102 %		50-158	1			1295



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Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519019

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-6

Date/Time Collected: 4/22/2009 11:10

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 EPA 300.0 on 05/06/2009 05:09 by BDG

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Chloride	107		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1265 SW-846 8015B DRO LVI on 04/28/2009 11:01 by N_M

Analytical Batches:

Batch: 1185 SW-846 8015B DRO LVI on 04/30/2009 16:17 by SLE

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Diesel Range Organics(C10-C28)	5.8		0.10	2		1265	1185
n-Pentacosane (S)	120 %		20-150	2		1265	1185

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1297 SW-846 8021B on 04/28/2009 21:50 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	340		20	20			1297
Ethylbenzene	180		20	20			1297
Toluene	280		20	20			1297
m,p-Xylene	190		20	20			1297
o-Xylene	85		20	20			1297
Xylenes, Total	275		20	20			1297
1,4-Difluorobenzene (S)	99.2 %		70-130	20			1297
4-Bromofluorobenzene (S)	101 %		70-130	20			1297
Preservation pH	<2			20			1297

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519019

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-6

Date/Time Collected: 4/22/2009 11:10

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 05:53 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	11		2.5	25			1259
1,4-Difluorobenzene (S)	102 %		60-155	25			1259
4-Bromofluorobenzene (S)	104 %		50-158	25			1259



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Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519020

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: DUP#2

Date/Time Collected: 4/22/2009 00:00

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1068 : EPA 300.0 on 05/06/2009 05:28 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	185		5.00	10			1068

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 : SW-846 8015B DRO LVI on 04/27/2009 18:17 by N_M

Analytical Batches:

Batch: 1188 : SW-846 8015B DRO LVI on 04/29/2009 22:15 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.28		0.050	1		1263	1188
n-Pentacosane (S)	83.7 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1297 : SW-846 8021B on 04/28/2009 19:52 by WLV DF = 20

Batch: 1297 : SW-846 8021B on 04/28/2009 20:22 by WLV DF = 1

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	3900		20	20			1297
Ethylbenzene	230		1.0	1			1297
Toluene	1.1		1.0	1			1297
m,p-Xylene	210		1.0	1			1297
o-Xylene	11		1.0	1			1297
Xylenes, Total	221		1.0	1			1297
1,4-Difluorobenzene (S)	105 %		70-130	20			1297
1,4-Difluorobenzene (S)	134 %	MI*	70-130	1			1297
4-Bromofluorobenzene (S)	99.5 %		70-130	20			1297
4-Bromofluorobenzene (S)	115 %		70-130	1			1297
Preservation pH	<2			20			1297
Preservation pH	<2			1			1297

Gasoline Range Organics (GRO)



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Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519020

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: DUP#2

Date/Time Collected: 4/22/2009 00:00

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1259 SW-846 8015B GRO Gas on 04/25/2009 06:22 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	14		2.5	25			1259
1,4-Difluorobenzene (S)	105 %		60-155	25			1259
4-Bromofluorobenzene (S)	102 %		50-158	25			1259



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Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519021

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: Trip Blank

Date/Time Collected: 4/22/2009 11:45

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1297 SW-846 8021B on 04/28/2009 18:24 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	ug/l	Qual				Prep	Analysis
Benzene	ND		1.0	1			1297
Ethylbenzene	ND		1.0	1			1297
Toluene	ND		1.0	1			1297
m,p-Xylene	ND		1.0	1			1297
o-Xylene	ND		1.0	1			1297
Xylenes, Total	ND		1.0	1			1297
1,4-Difluorobenzene (S)	97.9 %		70-130	1			1297
4-Bromofluorobenzene (S)	99.7 %		70-130	1			1297
Preservation pH	<2			1			1297

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO Gas Analytical Batches:

Batch: 1267 SW-846 8015B GRO Gas on 04/25/2009 15:03 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1267
1,4-Difluorobenzene (S)	95.6 %		60-155	1			1267
4-Bromofluorobenzene (S)	102 %		50-158	1			1267



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Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519022

Date/Time Received: 4/23/2009 10:00

Matrix: Water

Sample ID: MW-20

Date/Time Collected: 4/21/2009 13:36

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1069 EPA 300.0 on 05/06/2009 05:46 by BDG

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Chloride	118		5.00	10			1069

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1263 SW-846 8015B DRO LVI on 04/27/2009 18:17 by N_M

Analytical Batches:

Batch: 1188 SW-846 8015B DRO LVI on 04/29/2009 22:54 by SLE

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	mg/l					Prep	Analysis
Diesel Range Organics(C10-C28)	0.092		0.050	1		1263	1188
n-Pentacosane (S)	89.3 %		20-150	1		1263	1188

VOLATILES

Analysis Desc: SW-846 8021B

SW-846 5030 Analytical Batches:

Batch: 1271 SW-846 8021B on 04/25/2009 10:42 by WLV

Parameters	Results	Qual	Report Limit	DF	RegLmt	Batch Information	
	ug/l					Prep	Analysis
Benzene	ND		1.0	1			1271
Ethylbenzene	ND		1.0	1			1271
Toluene	ND		1.0	1			1271
m,p-Xylene	ND		1.0	1			1271
o-Xylene	ND		1.0	1			1271
Xylenes, Total	ND		1.0	1			1271
1,4-Difluorobenzene (S)	98.6 %		70-130	1			1271
4-Bromofluorobenzene (S)	96.8 %		70-130	1			1271
Preservation pH	<2			1			1271

Gasoline Range Organics (GRO)



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

ANALYTICAL RESULTS

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID: H09040519022

Date/Time Received: 4/23/2009 10:00 Matrix: Water

Sample ID: MW-20

Date/Time Collected: 4/21/2009 13:36

Analysis Desc: SW-846 8015B GRO
Gas

SW-846 8015B GRO Gas Analytical Batches

Batch: 1267 SW-846 8015B GRO Gas on 04/25/2009 10:42 by WLV

Parameters	Results		Report Limit	DF	RegLmt	Batch Information	
	mg/l	Qual				Prep	Analysis
Gasoline Range Organics	ND		0.10	1			1267
1,4-Difluorobenzene (S)	97.3 %		60-155	1			1267
4-Bromofluorobenzene (S)	102 %		50-158	1			1267



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Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch:	EXTO/1263	Analysis Method:	SW-846 8015B DRO LVI			
QC Batch Method:	SW-846 8015B DRO LVI	Preparation:	04/27/2009 18:15 by N_M			
Associated Lab Samples:	H09040519001	H09040519002	H09040519003	H09040519004	H09040519005	H09040519006
	H09040519007	H09040519008	H09040519009	H09040519010	H09040519020	H09040519022

METHOD BLANK: 11877

Analysis Date/Time Analyst: 04/29/2009 12:20 SLE

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Diesel Range Organics(C10-C28)	mg/l	ND		0.050
n-Pentacosane (S)	%	142		20-150

LABORATORY CONTROL SAMPLE & LCSD: 11878 11879

LCS Analysis Date/Time Analyst: 04/29/2009 12:53 SLE

LCSD Analysis Date/Time 04/29/2009 13:26 SLE

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics(C10-C28)	mg/l	1.0	1.05	0.996	105	99.6	21-175	5.3	43
n-Pentacosane (S)	%				127	110	20-150		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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8880 Interchange Drive
Houston, TX 77054
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Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: EXT0/1265 Analysis Method: SW-846 8015B DRO LVI
QC Batch Method: SW-846 8015B DRO LVI Preparation: 04/28/2009 10:59 by N_M
Associated Lab Samples: H09040519011 H09040519012 H09040519013 H09040519014 H09040519015 H09040519016
H09040519017 H09040519018 H09040519019

METHOD BLANK: 11990

Analysis Date/Time Analyst: 04/30/2009 06:58 SLE

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Diesel Range Organics(C10-C28)	mg/l	ND		0.050
n-Pentacosane (S)	%	148		20-150

LABORATORY CONTROL SAMPLE & LCSD: 11991 11992

LCS Analysis Date/Time Analyst: 04/30/2009 07:33 SLE

LCSD Analysis Date/Time 04/30/2009 08:08 SLE

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics(C10-C28)	mg/l	1.0	1.15	1.21	115	121	21-175	5.1	43
n-Pentacosane (S)	%				148	150	20-150		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch:	GCVW/1258	Analysis Method:	SW-846 8015B GRO Gas			
QC Batch Method:	SW-846 5030	Preparation:	04/24/2009 08:21 by APR			
Associated Lab Samples:	H09040519001	H09040519002	H09040519003	H09040519004	H09040519007	H09040519008
	H09040519009	H09040519010	H09040519011	H09040519012	H09040519013	H09040519014
	H09040519015	H09040519016	H09040519018	H09040519019	H09040519020	

METHOD BLANK: 12116

Analysis Date/Time Analyst: 04/24/2009 11:43 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND		0.10
4-Bromofluorobenzene (S)	%	102		50-158
1,4-Difluorobenzene (S)	%	96.7		60-155

LABORATORY CONTROL SAMPLE: 12117

Analysis Date/Time Analyst: 04/24/2009 10:45 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Gasoline Range Organics	mg/l	1.0	0.727	72.7	70-130
4-Bromofluorobenzene (S)	%			103	50-158
1,4-Difluorobenzene (S)	%			97.6	60-155

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12118 12119 Original: H09040519001

MS Analysis Date/Time Analyst: 04/24/2009 15:21 WLV

MSD Analysis Date/Time Analyst: 04/24/2009 15:50 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.0015	0.8	0.744	0.774	93.0	96.7	36-160	3.9	36
4-Bromofluorobenzene (S)	%	98.5				103	103	50-158		30
1,4-Difluorobenzene (S)	%	93.1				97.2	98.1	60-155		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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8880 Interchange Drive
Houston, TX 77054
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QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1262

Analysis Method: SW-846 8021B

QC Batch Method: SW-846 5030

Preparation: 04/24/2009 08:21 by APR

Associated Lab Samples: H09040519001 H09040519002 H09040519003 H09040519004 H09040519007 H09040519008
H09040519009 H09040519010

METHOD BLANK: 12347

Analysis Date/Time Analyst: 04/24/2009 11:43 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
1,4-Difluorobenzene (S)	%	99.7		70-130
4-Bromofluorobenzene (S)	%	97.9		70-130

LABORATORY CONTROL SAMPLE: 12348

Analysis Date/Time Analyst: 04/24/2009 10:16 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	20.2	101	70-130
Ethylbenzene	ug/l	20	20.0	100	70-130
Toluene	ug/l	20	20.3	102	70-130
m,p-Xylene	ug/l	40	41.4	104	70-130
o-Xylene	ug/l	20	19.4	97.2	70-130
Xylenes, Total	ug/l	60	60.9	101	70-130
1,4-Difluorobenzene (S)	%			100	70-130
4-Bromofluorobenzene (S)	%			98.3	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12349

12350

Original: H09040519002

MS Analysis Date/Time Analyst: 04/24/2009 14:23 WLV

MSD Analysis Date/Time Analyst: 04/24/2009 14:52 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	20.3	20.3	101	101	66-141	0.0	31
Ethylbenzene	ug/l	ND	20	20.7	20.8	103	104	52-136	1.0	28
Toluene	ug/l	ND	20	20.4	20.1	102	100	61-131	2.0	25
m,p-Xylene	ug/l	ND	40	42.2	42.3	106	106	60-130	0.0	36
o-Xylene	ug/l	ND	20	19.7	19.9	98.4	99.4	64-130	1.0	30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12349 12350 Original: H09040519002

MS Analysis Date/Time Analyst: 04/24/2009 14:23 WLV

MSD Analysis Date/Time Analyst: 04/24/2009 14:52 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Xylenes, Total	ug/l	ND	60	61.9	62.2	103	104	60-130	1.0	36
1,4-Difluorobenzene (S)	%	99.4				99.4	99.7	70-130		30
4-Bromofluorobenzene (S)	%	97.5				101	98.9	70-130		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1266 Analysis Method: SW-846 8015B GRO Gas

QC Batch Method: SW-846 5030 Preparation: 04/25/2009 07:48 by APR

Associated Lab Samples: H09040519021 H09040519022 H09040549001

METHOD BLANK: 12417

Analysis Date/Time Analyst: 04/25/2009 09:44 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND		0.10
4-Bromofluorobenzene (S)	%	101		50-158
1,4-Difluorobenzene (S)	%	95.1		60-155

LABORATORY CONTROL SAMPLE: 12418

Analysis Date/Time Analyst: 04/25/2009 08:46 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Gasoline Range Organics	mg/l	1.0	0.743	74.3	70-130
4-Bromofluorobenzene (S)	%			104	50-158
1,4-Difluorobenzene (S)	%			97.9	60-155

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12419 12420 Original: H09040524001

MS Analysis Date/Time Analyst: 04/25/2009 12:09 WLV

MSD Analysis Date/Time Analyst: 04/25/2009 12:38 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.0045	0.8	0.655	0.663	81.9	82.9	36-160	1.2	36
4-Bromofluorobenzene (S)	%	ND				104	103	50-158		30
1,4-Difluorobenzene (S)	%	ND				99.1	96.0	60-155		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1270

Analysis Method: SW-846 8021B

QC Batch Method: SW-846 5030

Preparation: 04/25/2009 07:19 by GCV

Associated Lab Samples: H09040519022

METHOD BLANK: 12442

Analysis Date/Time Analyst: 04/25/2009 09:44 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
1,4-Difluorobenzene (S)	%	98.7		70-130
4-Bromofluorobenzene (S)	%	98.3		70-130

LABORATORY CONTROL SAMPLE: 12443

Analysis Date/Time Analyst: 04/25/2009 08:17 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	20.5	103	70-130
Ethylbenzene	ug/l	20	21.3	106	70-130
Toluene	ug/l	20	20.7	103	70-130
m,p-Xylene	ug/l	40	43.0	108	70-130
o-Xylene	ug/l	20	20.3	101	70-130
Xylenes, Total	ug/l	60	63.3	105	70-130
1,4-Difluorobenzene (S)	%			99.6	70-130
4-Bromofluorobenzene (S)	%			99.1	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12444

12445

Original: H09040519022

MS Analysis Date/Time Analyst: 04/25/2009 11:11 WLV

MSD Analysis Date/Time Analyst: 04/25/2009 11:40 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	20.5	20.5	103	103	66-141	0.0	31
Ethylbenzene	ug/l	ND	20	20.8	20.9	104	104	52-136	0.0	28
Toluene	ug/l	ND	20	20.3	20.1	101	100	61-131	1.0	25
m,p-Xylene	ug/l	ND	40	41.7	42.0	104	105	60-130	1.0	36
o-Xylene	ug/l	ND	20	19.9	20.0	99.5	100	64-130	0.5	30
Xylenes, Total	ug/l	ND	60	61.6	62.0	103	103	60-130	0.0	36

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12444 12445 Original: H09040519022

MS Analysis Date/Time Analyst: 04/25/2009 11:11 WLW

MSD Analysis Date/Time Analyst: 04/25/2009 11:40 WLW

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
1,4-Difluorobenzene (S)	%	98.6				99.8	99.7	70-130		30
4-Bromofluorobenzene (S)	%	96.8				99.6	99.3	70-130		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1275 Analysis Method: SW-846 8015B GRO Gas
QC Batch Method: SW-846 5030 Preparation: 04/26/2009 14:01 by GCV
Associated Lab Samples: H09040519005 H09040519006 H09040549002

METHOD BLANK: 12656

Analysis Date/Time Analyst: 04/26/2009 15:58 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND		0.10
4-Bromofluorobenzene (S)	%	104		50-158
1,4-Difluorobenzene (S)	%	96.5		60-155

LABORATORY CONTROL SAMPLE: 12657

Analysis Date/Time Analyst: 04/26/2009 15:00 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Gasoline Range Organics	mg/l	1.0	0.809	80.9	70-130
4-Bromofluorobenzene (S)	%			108	50-158
1,4-Difluorobenzene (S)	%			101	60-155

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12658 12659 Original: H09040524002

MS Analysis Date/Time Analyst: 04/26/2009 18:25 WLV

MSD Analysis Date/Time Analyst: 04/26/2009 18:55 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.11	0.8	0.694	0.732	73.3	78.1	36-160	6.3	36
4-Bromofluorobenzene (S)	%	ND				106	106	50-158		30
1,4-Difluorobenzene (S)	%	ND				101	97.7	60-155		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1278

Analysis Method: SW-846 8021B

QC Batch Method: SW-846 5030

Preparation: 04/29/2009 10:21 by GCV

Associated Lab Samples: H09040519005 H09040519006 H09040519011 H09040519012 H09040519013 H09040519014
H09040519015 H09040549001 H09040549002

METHOD BLANK: 12677

Analysis Date/Time Analyst: 04/29/2009 12:01 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
1,4-Difluorobenzene (S)	%	98.8		70-130
4-Bromofluorobenzene (S)	%	100		70-130

LABORATORY CONTROL SAMPLE: 12678

Analysis Date/Time Analyst: 04/29/2009 11:02 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	19.8	99.0	70-130
Ethylbenzene	ug/l	20	21.4	107	70-130
Toluene	ug/l	20	20.2	101	70-130
m,p-Xylene	ug/l	40	43.5	109	70-130
o-Xylene	ug/l	20	20.3	102	70-130
Xylenes, Total	ug/l	60	63.8	106	70-130
1,4-Difluorobenzene (S)	%			98.7	70-130
4-Bromofluorobenzene (S)	%			101	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12679

12680

Original: H09040549001

MS Analysis Date/Time Analyst: 04/29/2009 13:42 WLV

MSD Analysis Date/Time Analyst: 04/29/2009 14:11 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	1400	100	1530	1490	NC	NC	66-141	NC	31
Ethylbenzene	ug/l	64	100	168	163	104	98.3	52-136	5.6	28
Toluene	ug/l	830	100	923	897	NC	NC	61-131	NC	25
m,p-Xylene	ug/l	400	200	606	587	103	93.2	60-130	10.0	36
o-Xylene	ug/l	170	100	270	261	99.3	90.9	64-130	8.8	30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12679 .12680 Original: H09040549001

MS Analysis Date/Time Analyst: 04/29/2009 13:42 WLW

MSD Analysis Date/Time Analyst: 04/29/2009 14:11 WLW

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Xylenes, Total	ug/l	570	300	876	848	102	92.5	60-130	9.8	36
1,4-Difluorobenzene (S)	%	109				109	104	70-130		30
4-Bromofluorobenzene (S)	%	104				104	103	70-130		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1294 Analysis Method: SW-846 8015B GRO Gas
QC Batch Method: SW-846 5030 Preparation: 04/28/2009 06:30 by GCV
Associated Lab Samples: H09040519017

METHOD BLANK: 13421

Analysis Date/Time Analyst: 04/28/2009 09:57 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND		0.10
4-Bromofluorobenzene (S)	%	101		50-158
1,4-Difluorobenzene (S)	%	94.2		60-155

LABORATORY CONTROL SAMPLE: 13422

Analysis Date/Time Analyst: 04/28/2009 09:28 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Gasoline Range Organics	mg/l	1.0	0.758	75.8	70-130
4-Bromofluorobenzene (S)	%			107	50-158
1,4-Difluorobenzene (S)	%			99.5	60-155

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 13423 13424 Original: H09040519018

MS Analysis Date/Time Analyst: 04/28/2009 15:27 WLV

MSD Analysis Date/Time Analyst: 04/28/2009 15:56 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.11	1.0	0.819	0.816	70.7	70.3	36-160	0.6	36
4-Bromofluorobenzene (S)	%	102				107	107	50-158		30
1,4-Difluorobenzene (S)	%	95.9				97.9	101	60-155		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: GCVW/1296 Analysis Method: SW-846 8021B
QC Batch Method: SW-846 5030 Preparation: 04/28/2009 07:27 by GCV
Associated Lab Samples: H09040519016 H09040519018 H09040519019 H09040519020 H09040519021

METHOD BLANK: 13429

Analysis Date/Time Analyst: 04/28/2009 09:57 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
1,4-Difluorobenzene (S)	%	99.8		70-130
4-Bromofluorobenzene (S)	%	100		70-130

LABORATORY CONTROL SAMPLE: 13430

Analysis Date/Time Analyst: 04/28/2009 08:59 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	19.1	95.5	70-130
Ethylbenzene	ug/l	20	19.3	96.4	70-130
Toluene	ug/l	20	19.2	96.2	70-130
m,p-Xylene	ug/l	40	39.9	99.8	70-130
o-Xylene	ug/l	20	18.9	94.5	70-130
Xylenes, Total	ug/l	60	58.8	98.0	70-130
1,4-Difluorobenzene (S)	%			98.4	70-130
4-Bromofluorobenzene (S)	%			100	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 13431 13432 Original: H09040519016

MS Analysis Date/Time Analyst: 04/28/2009 13:59 WLV

MSD Analysis Date/Time Analyst: 04/28/2009 14:28 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	4400	200	3850	3580	NC	NC	66-141	NC	31
Ethylbenzene	ug/l	120	200	347	320	114	101	52-136	12.1	28
Toluene	ug/l	ND	200	260	240	130	120	61-131	8.0	25
m,p-Xylene	ug/l	84	400	600	555	130	119	60-130	8.8	36
o-Xylene	ug/l	34	200	286	266	127	117	64-130	8.2	30
Xylenes, Total	ug/l	118	600	886	822	129	118	60-130	8.9	36

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 13431 13432 Original: H09040519016

MS Analysis Date/Time Analyst: 04/28/2009 13:59 WLW

MSD Analysis Date/Time Analyst: 04/28/2009 14:28 WLW

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
1,4-Difluorobenzene (S)	%	167				107	105	70-130		30
4-Bromofluorobenzene (S)	%	100				101	98.8	70-130		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: IC/1068

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples:	H09040519001	H09040519002	H09040519003	H09040519004	H09040519005	H09040519006
	H09040519007	H09040519008	H09040519009	H09040519010	H09040519011	H09040519012
	H09040519013	H09040519014	H09040519015	H09040519016	H09040519017	H09040519018
	H09040519019	H09040519020				

METHOD BLANK: 13654

Analysis Date/Time Analyst: 05/05/2009 17:36 BDG

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Chloride	mg/l	ND		0.500

LABORATORY CONTROL SAMPLE: 13655

Analysis Date/Time Analyst: 05/05/2009 17:54 BDG

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Chloride	mg/l	10	9.77	97.7	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 13656 13657 Original: H09040519002

MS Analysis Date/Time Analyst: 05/06/2009 06:04 BDG

MSD Analysis Date/Time Analyst: 05/06/2009 06:22 BDG

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Chloride	mg/l	131	100	250.5	253.0	119	122 *	80-120	2.5	20

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SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H09040519 : East Hobbs Junction

Project Number: na

QC Batch: IC/1069 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples: H09040519022

METHOD BLANK: 13670

Analysis Date/Time Analyst: 05/05/2009 11:54 BDG

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Chloride	mg/l	ND		0.500

LABORATORY CONTROL SAMPLE: 13671

Analysis Date/Time Analyst: 05/05/2009 12:12 BDG

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Chloride	mg/l	10	9.759	97.6	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 13672 13673 Original: H09040519022

MS Analysis Date/Time Analyst: 05/06/2009 07:54 BDG

MSD Analysis Date/Time Analyst: 05/06/2009 08:12 BDG

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Chloride	mg/l	118	100	236.8	230.5	119	113	80-120	5.2	20

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Legend

(S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
*	Recovery/RPD value outside QC limits
B	Analyte detected in the Method Blank
C	MTBE results were not confirmed by GCMS
D	Recovery out of range due to dilution
E	Results exceed calibration range
H	Exceeds holding time
I	Estimated value, between MDL and PQL (Florida)
J	Estimated value
JN	The analysis indicates the presence of an analyte
MI	Matrix Interference
N	Recovery outside of control limits
NC	Not Calculable (Sample Duplicate)
NC	Not Calculated - Sample concentration > 4 times the spike
P	Pesticide dual column results, greater then 25%
Q	Received past holding time



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H09040519001	MW-21	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519002	MW-16	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519003	MW-25	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519004	MW-24	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519005	MW-15	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519006	DUP#1	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519007	MW-4	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519008	MW-5	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519009	MW-26	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519010	MW-27	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519020	DUP#2	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519022	MW-20	SW-846 8015B DRO LVI	EXTO/1263	SW-846 8015B DRO LVI	GCSV/1188
H09040519011	MW-23	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519012	MW-22	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519013	MW-13	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519014	MW-19	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519015	MW-14	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519016	MW-18	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519017	MW-12	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519018	SVE-10	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519019	MW-6	SW-846 8015B DRO LVI	EXTO/1265	SW-846 8015B DRO LVI	GCSV/1185
H09040519001	MW-21	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519002	MW-16	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519003	MW-25	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519004	MW-24	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519007	MW-4	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519008	MW-5	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259



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8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H09040519009	MW-26	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519010	MW-27	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519011	MW-23	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519012	MW-22	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519013	MW-13	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519014	MW-19	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519015	MW-14	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519016	MW-18	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519019	MW-6	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519020	DUP#2	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1259
H09040519018	SVE-10	SW-846 8015B GRO Gas	GCVW/1258	SW-846 8015B GRO Gas	GCVW/1295
H09040519001	MW-21	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519002	MW-16	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519003	MW-25	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519004	MW-24	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519007	MW-4	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519008	MW-5	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519009	MW-26	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519010	MW-27	SW-846 5030	GCVW/1262	SW-846 8021B	GCVW/1263
H09040519021	Trip Blank	SW-846 8015B GRO Gas	GCVW/1266	SW-846 8015B GRO Gas	GCVW/1267
H09040519022	MW-20	SW-846 8015B GRO Gas	GCVW/1266	SW-846 8015B GRO Gas	GCVW/1267
H09040519022	MW-20	SW-846 5030	GCVW/1270	SW-846 8021B	GCVW/1271
H09040519005	MW-15	SW-846 8015B GRO Gas	GCVW/1275	SW-846 8015B GRO Gas	GCVW/1277
H09040519006	DUP#1	SW-846 8015B GRO Gas	GCVW/1275	SW-846 8015B GRO Gas	GCVW/1277
H09040519005	MW-15	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279
H09040519006	DUP#1	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279
H09040519011	MW-23	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H09040519012	MW-22	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279
H09040519013	MW-13	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279
H09040519014	MW-19	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279
H09040519015	MW-14	SW-846 5030	GCVW/1278	SW-846 8021B	GCVW/1279
H09040519017	MW-12	SW-846 5030	GCVW/1285	SW-846 8021B	GCVW/1284
H09040519017	MW-12	SW-846 5030	GCVW/1285	SW-846 8021B	GCVW/1297
H09040519017	MW-12	SW-846 8015B GRO Gas	GCVW/1294	SW-846 8015B GRO Gas	GCVW/1295
H09040519016	MW-18	SW-846 5030	GCVW/1296	SW-846 8021B	GCVW/1297
H09040519018	SVE-10	SW-846 5030	GCVW/1296	SW-846 8021B	GCVW/1297
H09040519019	MW-6	SW-846 5030	GCVW/1296	SW-846 8021B	GCVW/1297
H09040519020	DUP#2	SW-846 5030	GCVW/1296	SW-846 8021B	GCVW/1297
H09040519021	Trip Blank	SW-846 5030	GCVW/1296	SW-846 8021B	GCVW/1297
H09040519001	MW-21	EPA 300.0	IC/1068		
H09040519002	MW-16	EPA 300.0	IC/1068		
H09040519003	MW-25	EPA 300.0	IC/1068		
H09040519004	MW-24	EPA 300.0	IC/1068		
H09040519005	MW-15	EPA 300.0	IC/1068		
H09040519006	DUP#1	EPA 300.0	IC/1068		
H09040519007	MW-4	EPA 300.0	IC/1068		
H09040519008	MW-5	EPA 300.0	IC/1068		
H09040519009	MW-26	EPA 300.0	IC/1068		
H09040519010	MW-27	EPA 300.0	IC/1068		
H09040519011	MW-23	EPA 300.0	IC/1068		
H09040519012	MW-22	EPA 300.0	IC/1068		
H09040519013	MW-13	EPA 300.0	IC/1068		
H09040519014	MW-19	EPA 300.0	IC/1068		
H09040519015	MW-14	EPA 300.0	IC/1068		
H09040519016	MW-18	EPA 300.0	IC/1068		
H09040519017	MW-12	EPA 300.0	IC/1068		
H09040519018	SVE-10	EPA 300.0	IC/1068		
H09040519019	MW-6	EPA 300.0	IC/1068		
H09040519020	DUP#2	EPA 300.0	IC/1068		



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H09040519 : East Hobbs Junction

Project Number: na

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H09040519022	MW-20	EPA 300.0	IC/1069		



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Sample Receipt Checklist

WorkOrder:	H09040519	Received By	LOG
Date and Time	04/23/2009 10:00	Carrier Name:	FEDEXS
Temperature:	3.5°C	Chilled By:	Water Ice

1. Shipping container/cooler in good condition? YES
2. Custody seals intact on shipping container/cooler? YES
3. Custody seals intact on sample bottles? Not Present
4. Chain of custody present? YES
5. Chain of custody signed when relinquished and received? YES
6. Chain of custody agrees with sample labels? YES
7. Samples in proper container/bottle? YES
8. Samples containers intact? YES
9. Sufficient sample volume for indicated test? YES
10. All samples received within holding time? YES
11. Container/Temp Blank temperature in compliance? YES
12. Water - VOA vials have zero headspace? YES
13. Water - Preservation checked upon receipt(except VOA*)? Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:
Client Name Contacted:
Client Instructions:

Contact Date & Time:



SPL, Inc.

Analysis Request & Chain of Custody Record



H09040519

SPL Workorder No.

330408

H09040519

page 1 of 7

Client Name: Terra Tech

Address: 1910 N Big Spring St

City: Midland

State: TX

Zip: 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope

Email: greg.pope@terra-tech.com

Project Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NM

Invoice To:

Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Requested Analysis									
MW-21	4/22/09	1305		X	W	✓	40	1	✓	X	X							
MW-21		1305				A	X	1	2			X						
MW-21		1305				P	X	X	1				X					
MW-16		1320				✓	40	1	✓	X	X							
MW-16		1320				A	X	1	2			X						
MW-16		1320				P	X	X	1				X					
MW-20		1336				V	40	1	✓	X	X							
MW-20		1336				A	X	1	2			X						
MW-20		1336				P	X	X	1				X					
MW-25		1351				V	40	1	✓	X	X							

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 3.5°C

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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

date

time

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

time

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



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330378

40904059

page 2 of 7

Client Name: Tetra Tech
Address: 1910 N. Big Springs St
City: Midland State TX Zip: 79701
Phone/Fax: (432) 682-4555
Client Contact: Gary Pope Email: gary.pope@tetratech.com
Project Name/No.: East Hobbs Junction
Site Name:
Site Location: Hobbs NM
Invoice To: Ph:

matrix bottle size pres.
W=water S=soil O=oil A=air
SL=sludge E=encore X=other
P=plastic A=amber glass
G=glass V=vial X=other
1=1 liter 4=4oz 40=40ml
8=8oz 16=16oz X=other
1=HCl 2=HNO3
3=H2SO4 X=other
Number of Containers

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	W	S	O	A	SL	P	G	1	8	1	3	Number of Containers	137EX	8021	6120	8015	1520	8015	01	(300.0)
MW-25	4/22/09	1351		X	W					A		X	1	2							X			
MW-25		1351								P		X	X	1							X			
MW-24		1410								✓		40	1	6	X	X								
MW-24		1410								A		X	1	2							X			
MW-24		1410								P		X	X	1							X			
MW-15		1437								✓		40	1	6	X	X								
MW-15		1437								A		X	1	2							X			
MW-15		1437								P		X	X	1							X			
Dnp #1		-								✓		40	1	6	X	X								
Dnp #1		-								A		X	1	2							X			

Client/Consultant Remarks:

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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

John T. G. Worth

date

4/22/09

time

1145

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

4/23/09

time

1000

6. Received by Laboratory:

M. S. J.

☐ 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





SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330379

H09040519

page 3 of 7

Client Name: Tetra Tech
Address: 1916 N. Big Spring St
City: Midland State TX Zip: 79701
Phone/Fax: (432) 682-4559
Client Contact: Greg Pope Email: g.pope@tetra.tech.com
Project Name/No.: East Hobbs Junction
Site Name:
Site Location: Hobbs 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									
										BTX	8021	6120	8015	8015	8015	8015	8015	8015	8015
Dup #1	4/24/09	—		X	W	P	X	X	1										
MW-4	4/22/09	0740				V	40	1	6	X	X								
MW-4		0740				A	X	1	2					X					
MW-4		0740				P	X	X	1						X				
MW-5		0753				V	40	1	6	X	X								
MW-5		0753				A	X	1	2					X					
MW-5		0753				P	X	X	1						X				
MW-2L		0825				V	40	1	6	X	X								
MW-2L		0825				A	X	1	2					X					
MW-2L		0825				P	X	X	1						X				

Client/Consultant Remarks:

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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

Johnny Tisworth

date

4/22/09

time

1145

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

4/23/09

time

1000

6. Received by Laboratory:

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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





SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330380

H09040519

page 4 of 7

Client Name: Tetra Tech
Address: 1910 N. Big Spring St
City: Midland State: TX Zip: 79701
Phone/Fax: (432) 682-4559
Client Contact: Greg Pope Email: greg.pope@tetra.tech.com
Project Name/No.: East Hobbs Junction
Site Name:
Site Location: Hobbs NM
Invoice To: Ph:

matrix bottle size pres.
W=water S=soil O=oil A=air
SL=sludge E=encore X=other
P=plastic A=amber glass
G=glass V=vial X=other
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other
1=HCl 2=HNO3
3=H2SO4 X=other
Number of Containers

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	W	S	O	A	SL	P	A	G	1	4	40	8	16	1	2	3	Number of Containers	137EX	8021	GR0	8015	DR0	8015	CI	(300.0)
MW-27	4/22/09	0845		X	W					V			40	1	6	X	X												
MW-27		0845								A			X	1	2										X				
MW-27		0845								P			X	X	1											X			
MW-23		0900								V			40	1	6	X	X												
MW-23		0900								A			X	1	2										X				
MW-23		0900								P			X	X	1											X			
MW-22		0914								V			40	1	6	X	X												
MW-22		0914								A			X	1	2										X				
MW-22		0914								P			X	X	1											X			
MW-13		0928								V			40	1	6	X	X												

Client/Consultant Remarks:

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 ☐

Special Detection Limits (specify):

PM Review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

Johnny Trisworth

date

4/22/09

time

1145

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

4/23/09

time

1000

6. Received by Laboratory:

Kulien St

☐ 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





SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330381

1409040519

page 5 of 7

Client Name: Tetra Tech
Address: 1910 N. Big Spring St
City: Midland State: TX Zip: 79701
Phone/Fax: (432) 682-4559
Client Contact: Greg Pope Email: greg.pope@tetra-tech.com
Project Name/No.: East Hobbs Junction
Site Name:
Site Location: Hobbs NM
Invoice To: _____ Ph: _____

matrix bottle size pres.
W=water S=soil O=oil A=air
SL=sludge E=encore X=other
P=plastic A=amber glass
G=glass V=vial X=other
I=1 liter 4=4oz 40=40oz
8=8oz 16=16oz X=other
1=HC1 2=HNO3
3=H2SO4 X=other
Number of Containers

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	W	S	O	A	I	8	16	40	40	1	2	3	Number of Containers	13TEX 8021	G120 8015	G120 8015	G1 3000
MW-13	4/22/09	0928		X																	
MW-13		0928																			
MW-14		0945																			
MW-14		0945																			
MW-14		0945																			
MW-14		1600																			
MW-14		1600																			
MW-14		1600																			
MW-18		1617																			
MW-18		1617																			

Client/Consultant Remarks:

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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

[Signature]Johnny Tinsworth

date

4/22/09

time

1145

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

4/23/09

time

1000

6. Received by Laboratory:

[Signature]

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

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Scott, LA 70583 (337) 237-4775

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





SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330382

109040519

page 6 of 7

Client Name: Terra Tech

Address: 1910 N. Big Spring St

City: Midland State: TX Zip: 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: greg.pope@terra-tech.com

Project Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NM

Invoice To:

Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Requested Analysis									
MW-18	4/22/09	1017		X	W	P	X	X	1									
MW-12		1034				V	40	1	6	X	X							
MW-12		1034				A	X	1	Z			X						
MW-12		1034				P	X	X	1				X					
SVE-10		1053				V	40	1	6	X	X							
SVE-10		1053				A	X	1	Z			X	X					
SVE-10		1053				P	X	X	1				X					
MW-6		1110				V	40	1	6	X	X							
MW-6		1110				A	X	1	Z			X						
MW-6		1110				P	X	X	1				X					

Client/Consultant Remarks:

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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

Johnny Tinsworth

date

4/22/09

time

1145

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

4/23/09

time

1000

6. Received by Laboratory:

Micki J.

☐ 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





SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330383

409040519

page 7 of 7

Client Name: Tetra Tech

Address: 1910 N. 13th Spring St

City: Midland

State: TX

Zip: 79701

Phone/Fax: (432) 687-4559

Client Contact: Gregg Pope

Email: gregg.pope@tetra.tech.com

Project Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NM

Invoice To:

Ph:

SAMPLE ID

DATE

TIME

comp

grab

matrix
W=water S=soil O=oil A=air
SL=sludge E=encore X=otherbottle
P=plastic A=amber glass
G=glass V=vial X=othersize
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=otherpres.
1=HCl 2=HNO3
3=H2SO4 X=other

Number of Containers

Requested Analysis

BTE X 8021

G170 8015

DRU 8015

C1 (300.0)

Dup #2

4/22/09

—

X

W

V

40

1

6

X

X

Dup #2

—

X

A

X

1

2

X

Dup #2

—

X

P

X

X

1

X

X

Trip Blank

1145

X

V

40

X

2

X

X

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ NIce? ☐ 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 ☐

1. Relinquished by Sampley:

date

4/27/09

time

1145

3. Relinquished by:

date

time

5. Relinquished by:

date

4/23/09

time

1000

Special Detection Limits (specify):

PM review (initial):

9/7

2. Received by:

4. Received by:

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



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330378

H09040599

page 2 of 7

Client Name: Terra Tech

Address: 1910 N. Big Springs St

City: Midland State TX Zip 79701

Phone/Fax: (432) 682-4553

Client Contact: Greg Pope Email: greg.pope@terra-tech.com

Project Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NPM

Invoice To: Ph:

SAMPLE ID DATE TIME comp grab

matrix bottle size pres. Number of Containers

W=water S=soil O=oil A=air SL=sludge E=encore X=other

P=plastic A=amber glass G=glass V=vial X=other

1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other

1=HCl 2=HNO3 3=H2SO4 X=other

BTEX 8021

GRO 8015

DRO 8015

CI (300.0)

Requested Analysis

Client/Consultant Remarks:

Laboratory remarks:

Intact?

Ice?

Temp:

Y Y N

Y Y N

Requested TAT

☐ 1 Business Day ☐ Contract☐ 2 Business Days ☒ Standard☐ 3 Business Days☐ Other

Rush TAT requires prior notice

Special Reporting Requirements Results:

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM (mg/L) (initial):

1. Relinquished by Sampler:

3. Relinquished by:

5. Relinquished by:

date

date

date

time

time

time

2. Received by:

4. Received by:

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

SPL, Inc.
Analysis Request & Chain of Custody Record

H09040519

SPL Workorder No.

330408

page 1 of 7

Client Name: Terra Tech

Address: 1910 N 13th Spring St

City: Midland State TX Zip 79701

Phone/Fax: (432) 682-4559

Client Contact: Gary Jones Email: gary.jones@terra-tech.com

Project Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NPM

Invoice To:

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=HC1 2=HNO3 3=H2SO4 X=other

Number of Containers

BTEX 8021

GRO 8015

DRO 8015

CI (300.0)

Requested Analysis

MW-21	4/22/09	1305		X	W	V	40	1	1	2	X	X							
MW-21		1305				A	X	X	1	2			X						
MW-21		1305				P	X	X	1	1				X					
MW-16		1320				V	40	1	1	2	X	X							
MW-16		1320				A	X	1	2				X						
MW-16		1320				P	X	X	1	1				X					
MW-20		1336				V	40	1	1	2	X	X							
MW-20		1336				A	X	1	2				X						
MW-20		1336				P	X	X	1	1				X					
MW-25		1351				V	40	1	1	2	X	X							

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp 3.52

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 ☐LA RECAP ☐

Special Detection Limits (Specify):

PM review (initial):

Standard QC ☐Level 3 QC ☐Level 4 QC ☐TX TRRP ☐LA RECAP ☐

1. Relinquished by Sampler:

Johnny Hirsch

date 4/22/09

time 11:15

2. Received by:

3. Relinquished by:

date

time

4. Received by:

date

time

5. Relinquished by:

date 4/23/09

time 10:00

6. Received by Laboratory:

date

time

☐ 8880 Interchange Drive

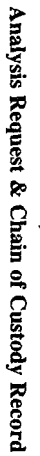
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway

Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive

Traverse City, MI 49686 (231) 947-5777



SPL, Inc.

SPI Workorder No.

330379

1489040519

page 3 of ~~A~~ 7

Client Name: Tetra Tech		Address: 1910 N. Big Springs St		City: Midland		State: TX		Zip: 79701-1800	
Phone/Fax: (432) 682-4559		Client Contact: Greg Pope		Project Name/No.: East Hobbs Junction		Site Name:		Site Location: Hobbs NM	
Invoice To:		Ph:		Email: greg.pope@tetra.tech.com					

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Requested Analysis				
Dup #1	4/24/09	—		X	W	P	X	X	1				
MW-4	4/22/09	0746				V	40	1	4	X	X		
MW-4		0740				A	X	1	2		X		
MW-4		0740				P	X	X	1			X	
MW-5		0753				V	40	1	4	X	X		
MW-5		0753				A	X	1	2			X	
MW-5		0753				P	X	X	1				X
MW-2L		0825				V	40	1	4	X	X		
MW-2L		0825				A	X	1	2			X	
MW-2L		0825				P	X	X	1				X

Client/Consultant Remarks:		Laboratory remarks:		Intact? ☐ Y ☐ N	
Requested TAT		Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐		Special Detection Limits (specify):	
☐ 1 Business Day ☐ Contract ☐ 2 Business Days ☒ Standard ☐ 3 Business Days ☐ Other _____		Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐		PM Review (initial): B	
1. Relinquished by Sampler: <i>John Thaworth</i>		date: 4/22/09		time: 1145	
2. Received by:		date:		time:	
3. Relinquished by:		date:		time:	
4. Received by:		date:		time:	
5. Relinquished by:		date: 4/23/09		time: 1000	
6. Received by Laboratory: <i>W. A. [Signature]</i>					



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

330380

H409040519

page 4 of 7

Client Name: Tetra Tech

Address: 1910 N. 13th Spring St

City: Midland State TX Zip 79702

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: greg.pope@tetra.tech.com

Project Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NM

Invoice To:

SAMPLE ID

DATE

TIME

comp

grab

matrix bottle size pres.
W=water S=soil O=oil A=air
SL=sludge E=encore X=other
P=plastic A=amber glass
G=glass V=vial X=other
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other
1=HCl 2=HNO3
3=H2SO4 X=other

Number of Containers

1=HCl 2=HNO3
3=H2SO4 X=other

Number of Containers

BTX 8021

GRO 8015

DRO 8015

CI (300.0)

Requested Analysis

Client/Consultant Remarks:

Laboratory remarks:

Intact?

Y Y N
Y 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 ☐

Special Detection Limits (specify):

Standard QC ☐Level 3 QC ☐Level 4 QC ☐TX TRRP ☐LA RECAP ☐

1. Relinquished by Sampler:

Johnny Tishworth

date 4/22/09

time 1145

2. Received by:

3. Relinquished by:

Johnny Tishworth

date

time

4. Received by:

5. Relinquished by:

date 4/23/09

time 1000

6. Received by Laboratory:

M. Deen

☐ 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



Analysis Request & Chain of Custody Record

SPL, Inc.

SPL Workorder No.

330381

1499040519

page 5 of 7

Client Name: Tricia TackAddress: 1910 N. 13th Springs StCity: Milford State: TX Zip: 75554Phone/Fax: (432) 482-4559Client Contact: Gary Post Email: gary.post@water.comProject Name/No.: East Hobbs Junction

Site Name:

Site Location: Hobbs NM

Invoice To: _____ P#: _____

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Requested Analysis			
MW-13	4/22/09	0728		X	W	A	X	1	2				
MW-13		0528				P	X	X	1				
MW-14		0945				V	40	X	1				
MW-14		0945				A	X	1	2				
MW-14		0945				P	X	X	1				
MW-14		1600				V	40	1	2				
MW-14		1600				A	X	1	2				
MW-14		1600				P	X	X	1				
MW-18		1617				V	46	1	2				
MW-18		1617				A	X	1	2				

Client/Consultant Remarks:

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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐Level 3 QC ☐Level 4 QC ☐TX TRRP ☐LA RECAP ☐

1. Relinquished by Sampler:

Johnny Thacker

date 4/22/09

time 1145

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date 4/23/09

time 1000

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



SPL Workorder No

330382

page 6 of 7

Client Name: Terra Tech		Address: 1910 N. Big Spring St		City: Midland		State: TX		Zip: 79701	
Phone/Fax: (432) 682-4559		Client Contact: Gary Porter		Project Name/No.: East Hobbs Junction		Site Name:		Site Location: Hobbs NM	
Invoice To:		Ph:		matrix		bottle		size	
SAMPLE ID		DATE		TIME		comp		grab	
MW-1B	4/22/09	1017		X	W	P	X	X	1
MW-12		1634			V	V	40	1	6
MW-12		1634			A	X	1	Z	
MW-12		1034			P	X	1	L	
5VE-10		1053			V	40	1	L	X
5VE-10		1653			A	X	1	Z	
5VE-10		1653			P	X	1	L	
MW-L		1110			V	40	1	L	X
MW-L		1110			A	X	1	Z	
MW-L		1110			P	X	1	L	

Client/Consultant Remarks:

Requested TAT

☐ 1 Business Day ☐ Contract

☐ 2 Business Days ☒ Standard

☐ 3 Business Days

☐ Other

Rush TAT requires prior notice

Special Reporting Requirements Results:

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler: **Johny Thewark**

3. Relinquished by: **date**

5. Relinquished by: **date**

Laboratory remarks:

Special Detection Limits (specify):

2. Received by: **date**

4. Received by: **date**

6. Received by Laboratory: **date**

Intact? ☐ Ice? ☐ Temp: ☐

PM review (initial): ☐

Requested Analysis

BTEX 8021

GZO 8015

DRO 8015

Cl. (300.0)



Analysis Request & Chain of Custody Record

SPL, Inc.

LABORATORY NO.

330383

409040519

page 7 of 7

Client Name: Tetra Tech
Address: 1510 N. 13th Spring St
City: Midland State TX Zip: 79701Phone/Fax: (432) 682-4557
Client Contact: Gregg Tipton Email: gregg.tipton@tetra.tech.comProject Name/No.: East Hobbs Junction
Site Name:Site Location: Hobbs N/1
Invoice To:

SAMPLE ID DATE TIME comp grab

Dup #2 4/22/05 - X W=water S=soil O=oil A=air
SL=sludge E=encore X=otherDup #2 - A P=plastic A=amber glass
G=glass V=vial X=otherTrip Blank 1145 V 40 1 1 2
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other1145 V 40 X 1 2
1=HCl 2=HNO3
3=H2SO4 X=other1145 V 40 X 1 2
Number of Containers1145 V 40 X 1 2
BTEX 80211145 V 40 X 1 2
G170 80151145 V 40 X 1 2
DRO 80151145 V 40 X 1 2
C (300.0)1145 V 40 X 1 2
Requested Analysis

1145 V 40 X 1 2

1145 V 40 X 1 2

Client/Consultant Remarks:

Laboratory remarks:

Requested TAT

1 Business Day ☐ Contract2 Business Days ☒ Standard

3 Business Days

Other

Rush TAT requires prior notice

Special Reporting Requirements Results:

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

3. Relinquished by:

5. Relinquished by:

Special Detection Limits (specify):

2. Received by:

4. Received by:

6. Received by Laboratory:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: ☐ Y ☐ N

PM review (initial):

☐ 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



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

Conoco Phillips

Certificate of Analysis Number:

09071601

<u>Report To:</u> Tetra Tech Greg Pope 1910 N. Big Spring St Midland TX 79705- ph: (432) 682-4559 fax:	<u>Project Name:</u> COP East Hobbs Junction #115-96400 <u>Site:</u> Hobbs, NM <u>Site Address:</u> <u>PO Number:</u> 4511063196 <u>State:</u> New Mexico <u>State Cert. No.:</u> <u>Date Reported:</u> 8/13/2009
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This Report Contains A Total Of 57 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

8/13/2009

Date



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

**Case Narrative for:
Conoco Phillips**

Certificate of Analysis Number:

09071601

Report To: Tetra Tech Greg Pope 1910 N. Big Spring St Midland TX 79705- ph: (432) 682-4559 fax:	Project Name: COP East Hobbs Junction #115-96400 Site: Hobbs, NM Site Address: PO Number: 4511063196 State: New Mexico State Cert. No.: Date Reported: 8/13/2009
--	---

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.

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch IDs: 92499 and 92500 for the Diesel Range Organics analysis by Method 8015B. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

09071601 Page 1

8/13/2009

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

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:

09071601

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.

Erica Cardenas

Erica Cardenas
Project Manager

09071601 Page 2

8/13/2009

Date

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



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

Conoco Phillips

Certificate of Analysis Number:

09071601

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX

79705-

ph: (432) 682-4559

fax: (432) 686-8085

Project Name: COP East Hobbs Junction #115-96400

Site: Hobbs, NM

Site Address:

PO Number: 4511063196

State: New Mexico

State Cert. No.:

Date Reported: 8/13/2009

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-21	09071601-01	Water	7/28/2009 1:00:00 PM	7/30/2009 9:30:00 AM	326425	☐
MW-21	09071601-01	Water	7/28/2009 1:00:00 PM	7/30/2009 9:30:00 AM	326433	☐
MW-16	09071601-02	Water	7/28/2009 1:13:00 PM	7/30/2009 9:30:00 AM	326425	☐
MW-20	09071601-03	Water	7/28/2009 1:27:00 PM	7/30/2009 9:30:00 AM	326425	☐
MW-20	09071601-03	Water	7/28/2009 1:27:00 PM	7/30/2009 9:30:00 AM	326426	☐
MW-25	09071601-04	Water	7/28/2009 1:44:00 PM	7/30/2009 9:30:00 AM	326426	☐
MW-24	09071601-05	Water	7/28/2009 2:08:00 PM	7/30/2009 9:30:00 AM	326426	☐
MW-15	09071601-06	Water	7/28/2009 2:26:00 PM	7/30/2009 9:30:00 AM	326427	☐
MW-4	09071601-07	Water	7/29/2009 7:37:00 AM	7/30/2009 9:30:00 AM	326427	☐
MW-5	09071601-08	Water	7/29/2009 7:49:00 AM	7/30/2009 9:30:00 AM	326427	☐
MW-5	09071601-08	Water	7/29/2009 7:49:00 AM	7/30/2009 9:30:00 AM	326428	☐
MW-26	09071601-09	Water	7/29/2009 8:05:00 AM	7/30/2009 9:30:00 AM	326428	☐
MW-27	09071601-10	Water	7/29/2009 8:21:00 AM	7/30/2009 9:30:00 AM	326428	☐
MW-23	09071601-11	Water	7/29/2009 8:32:00 AM	7/30/2009 9:30:00 AM	326429	☐
MW-22	09071601-12	Water	7/29/2009 8:46:00 AM	7/30/2009 9:30:00 AM	326429	☐
MW-13	09071601-13	Water	7/29/2009 8:58:00 AM	7/30/2009 9:30:00 AM	326429	☐
MW-13	09071601-13	Water	7/29/2009 8:58:00 AM	7/30/2009 9:30:00 AM	326430	☐
MW-19	09071601-14	Water	7/29/2009 9:11:00 AM	7/30/2009 9:30:00 AM	326430	☐
MW-14	09071601-15	Water	7/29/2009 9:27:00 AM	7/30/2009 9:30:00 AM	326430	☐
MW-18	09071601-16	Water	7/29/2009 9:40:00 AM	7/30/2009 9:30:00 AM	326431	☐
MW-12	09071601-17	Water	7/29/2009 10:30:00 AM	7/30/2009 9:30:00 AM	326431	☐
SVE-10	09071601-18	Water	7/29/2009 10:53:00 AM	7/30/2009 9:30:00 AM	326431	☐
SVE-10	09071601-18	Water	7/29/2009 10:53:00 AM	7/30/2009 9:30:00 AM	326432	☐
MW-11	09071601-19	Water	7/29/2009 11:05:00 AM	7/30/2009 9:30:00 AM	326432	☐

8/13/2009

Erica Cardenas
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

Conoco Phillips

Certificate of Analysis Number:

09071601

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX

79705-

ph: (432) 682-4559

fax: (432) 686-8085

Project Name: COP East Hobbs Junction #115-96400

Site: Hobbs, NM

Site Address:

PO Number: 4511063196

State: New Mexico

State Cert. No.:

Date Reported: 8/13/2009

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-6	09071601-20	Water	7/29/2009 11:22:00 AM	7/30/2009 9:30:00 AM	326432	☐
MW-2	09071601-21	Water	7/29/2009 11:38:00 AM	7/30/2009 9:30:00 AM	316789	☐
MW-3	09071601-22	Water	7/29/2009 12:00:00 PM	7/30/2009 9:30:00 AM	316789	☐
DUP-01	09071601-23	Water	7/29/2009	7/30/2009 9:30:00 AM	316789	☐
DUP-01	09071601-23	Water	7/29/2009	7/30/2009 9:30:00 AM	316790	☐
DUP-02	09071601-24	Water	7/29/2009	7/30/2009 9:30:00 AM	316790	☐
Trip Blank-1	09071601-25	Water	7/28/2009	7/30/2009 9:30:00 AM	316789	☐
Trip Blank-2	09071601-26	Water	7/28/2009	7/30/2009 9:30:00 AM	316789	☐
Trip Blank-3	09071601-27	Water	7/28/2009	7/30/2009 9:30:00 AM	316789	☐

8/13/2009

Erica Cardenas
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-21

Collected: 07/28/2009 13:00 SPL Sample ID: 09071601-01

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/05/09 19:43	NW	5146341
Surr: n-Pentacosane	78.0		% 20-150	1	08/05/09 19:43	NW	5146341

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/01/09 18:14	CLJ	5138737
Surr: 1,4-Difluorobenzene	90.9		% 60-155	1	08/01/09 18:14	CLJ	5138737
Surr: 4-Bromofluorobenzene	108		% 50-158	1	08/01/09 18:14	CLJ	5138737

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	1040		50	100	08/04/09 0:47	BDG	5141499

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/01/09 18:14	E_S1	5140881
Toluene	ND		1	1	08/01/09 18:14	E_S1	5140881
Ethylbenzene	ND		1	1	08/01/09 18:14	E_S1	5140881
m,p-Xylene	ND		1	1	08/01/09 18:14	E_S1	5140881
o-Xylene	ND		1	1	08/01/09 18:14	E_S1	5140881
Xylenes, Total	ND		1	1	08/01/09 18:14	E_S1	5140881
Surr: 1,4-Difluorobenzene	95.3		% 70-130	1	08/01/09 18:14	E_S1	5140881
Surr: 4-Bromofluorobenzene	113		% 70-130	1	08/01/09 18:14	E_S1	5140881

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



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

Client Sample ID: MW-16

Collected: 07/28/2009 13:13

SPL Sample ID: 09071601-02

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/05/09 20:14	NW	5146342
Surr: n-Pentacosane	78.6	%	20-150	1	08/05/09 20:14	NW	5146342

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/01/09 18:42	CLJ	5138738
Surr: 1,4-Difluorobenzene	91.9	%	60-155	1	08/01/09 18:42	CLJ	5138738
Surr: 4-Bromofluorobenzene	104	%	50-158	1	08/01/09 18:42	CLJ	5138738

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	140		5	10	08/04/09 1:05	BDG	5141501

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/01/09 18:42	E_S1	5140882
Toluene	ND		1	1	08/01/09 18:42	E_S1	5140882
Ethylbenzene	ND		1	1	08/01/09 18:42	E_S1	5140882
m,p-Xylene	ND		1	1	08/01/09 18:42	E_S1	5140882
o-Xylene	ND		1	1	08/01/09 18:42	E_S1	5140882
Xylenes, Total	ND		1	1	08/01/09 18:42	E_S1	5140882
Surr: 1,4-Difluorobenzene	94.7	%	70-130	1	08/01/09 18:42	E_S1	5140882
Surr: 4-Bromofluorobenzene	113	%	70-130	1	08/01/09 18:42	E_S1	5140882

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-20

Collected: 07/28/2009 13:27

SPL Sample ID: 09071601-03

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.07		0.05	1	08/05/09 20:45	NW	5146343
Surr: n-Pentacosane	82.2		% 20-150	1	08/05/09 20:45	NW	5146343
Prep Method	Prep Date	Prep Initials	Prep Factor				
SW3510C	07/31/2009 9:54	N_M	1.00				
GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/01/09 19:11	CLJ	5138739
Surr: 1,4-Difluorobenzene	92.5		% 60-155	1	08/01/09 19:11	CLJ	5138739
Surr: 4-Bromofluorobenzene	103		% 50-158	1	08/01/09 19:11	CLJ	5138739
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	159		5	10	08/04/09 1:23	BDG	5141502
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/01/09 19:11	E_S1	5140883
Toluene	ND		1	1	08/01/09 19:11	E_S1	5140883
Ethylbenzene	ND		1	1	08/01/09 19:11	E_S1	5140883
m,p-Xylene	ND		1	1	08/01/09 19:11	E_S1	5140883
o-Xylene	ND		1	1	08/01/09 19:11	E_S1	5140883
Xylenes, Total	ND		1	1	08/01/09 19:11	E_S1	5140883
Surr: 1,4-Difluorobenzene	95.3		% 70-130	1	08/01/09 19:11	E_S1	5140883
Surr: 4-Bromofluorobenzene	112		% 70-130	1	08/01/09 19:11	E_S1	5140883

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-25

Collected: 07/28/2009 13:44 SPL Sample ID: 09071601-04

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.16		0.05	1	08/05/09 21:16	NW	5146344
Surr: n-Pentacosane	91.8		% 20-150	1	08/05/09 21:16	NW	5146344

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/01/09 19:39	CLJ	5138740
Surr: 1,4-Difluorobenzene	91.6		% 60-155	1	08/01/09 19:39	CLJ	5138740
Surr: 4-Bromofluorobenzene	107		% 50-158	1	08/01/09 19:39	CLJ	5138740

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	151		5	10	08/04/09 2:16	BDG	5141506

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/01/09 19:39	E_S1	5140884
Toluene	ND		1	1	08/01/09 19:39	E_S1	5140884
Ethylbenzene	ND		1	1	08/01/09 19:39	E_S1	5140884
m,p-Xylene	ND		1	1	08/01/09 19:39	E_S1	5140884
o-Xylene	ND		1	1	08/01/09 19:39	E_S1	5140884
Xylenes, Total	ND		1	1	08/01/09 19:39	E_S1	5140884
Surr: 1,4-Difluorobenzene	94.2		% 70-130	1	08/01/09 19:39	E_S1	5140884
Surr: 4-Bromofluorobenzene	112		% 70-130	1	08/01/09 19:39	E_S1	5140884

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



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

Client Sample ID: MW-24

Collected: 07/28/2009 14:08

SPL Sample ID: 09071601-05

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.44		0.05	1	08/05/09 21:47	NW	5146345
Surr: n-Pentacosane	82.4		% 20-150	1	08/05/09 21:47	NW	5146345

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.86		0.1	1	08/07/09 14:02	E_S1	5148300
Surr: 1,4-Difluorobenzene	123		% 60-155	1	08/07/09 14:02	E_S1	5148300
Surr: 4-Bromofluorobenzene	98.3		% 50-158	1	08/07/09 14:02	E_S1	5148300

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	275		25	50	08/04/09 3:09	BDG	5141511

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/07/09 20:18	EMB	5149130
Toluene	4		1	1	08/07/09 20:18	EMB	5149130
Ethylbenzene	7.2		1	1	08/07/09 20:18	EMB	5149130
m,p-Xylene	2.6		1	1	08/07/09 20:18	EMB	5149130
o-Xylene	ND		1	1	08/07/09 20:18	EMB	5149130
Xylenes, Total	2.6		1	1	08/07/09 20:18	EMB	5149130
Surr: 1,4-Difluorobenzene	100		% 70-130	1	08/07/09 20:18	EMB	5149130
Surr: 4-Bromofluorobenzene	94.9		% 70-130	1	08/07/09 20:18	EMB	5149130

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-15

Collected: 07/28/2009 14:26

SPL Sample ID: 09071601-06

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	7.3		0.15	3	08/06/09 8:36	NW	5146362
Surr: n-Pentacosane	78.4	%	20-150	3	08/06/09 8:36	NW	5146362

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.3		0.1	1	08/07/09 14:31	E_S1	5148301
Surr: 1,4-Difluorobenzene	103	%	60-155	1	08/07/09 14:31	E_S1	5148301
Surr: 4-Bromofluorobenzene	101	%	50-158	1	08/07/09 14:31	E_S1	5148301

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	172		10	20	08/04/09 3:26	BDG	5141512

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/07/09 19:46	EMB	5149129
Toluene	ND		1	1	08/07/09 19:46	EMB	5149129
Ethylbenzene	ND		1	1	08/07/09 19:46	EMB	5149129
m,p-Xylene	ND		1	1	08/07/09 19:46	EMB	5149129
o-Xylene	ND		1	1	08/07/09 19:46	EMB	5149129
Xylenes, Total	ND		1	1	08/07/09 19:46	EMB	5149129
Surr: 1,4-Difluorobenzene	98.4	%	70-130	1	08/07/09 19:46	EMB	5149129
Surr: 4-Bromofluorobenzene	102	%	70-130	1	08/07/09 19:46	EMB	5149129

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



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

Client Sample ID: MW-4

Collected: 07/29/2009 7:37

SPL Sample ID: 09071601-07

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/05/09 22:49	NW	5146347
Surr: n-Pentacosane	75.2		% 20-150	1	08/05/09 22:49	NW	5146347

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/01/09 21:05	CLJ	5138741
Surr: 1,4-Difluorobenzene	91.5		% 60-155	1	08/01/09 21:05	CLJ	5138741
Surr: 4-Bromofluorobenzene	105		% 50-158	1	08/01/09 21:05	CLJ	5138741

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	42.7		5	10	08/04/09 3:44	BDG	5141514

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/01/09 21:05	E_S1	5140885
Toluene	ND		1	1	08/01/09 21:05	E_S1	5140885
Ethylbenzene	ND		1	1	08/01/09 21:05	E_S1	5140885
m,p-Xylene	ND		1	1	08/01/09 21:05	E_S1	5140885
o-Xylene	ND		1	1	08/01/09 21:05	E_S1	5140885
Xylenes, Total	ND		1	1	08/01/09 21:05	E_S1	5140885
Surr: 1,4-Difluorobenzene	96.5		% 70-130	1	08/01/09 21:05	E_S1	5140885
Surr: 4-Bromofluorobenzene	113		% 70-130	1	08/01/09 21:05	E_S1	5140885

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



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

Client Sample ID: MW-5

Collected: 07/29/2009 7:49

SPL Sample ID: 09071601-08

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.34		0.05	1	08/06/09 0:22	NW	5146349
Surr: n-Pentacosane	76.4		% 20-150	1	08/06/09 0:22	NW	5146349

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.29		0.1	1	08/01/09 23:26	CLJ	5138745
Surr: 1,4-Difluorobenzene	90.8		% 60-155	1	08/01/09 23:26	CLJ	5138745
Surr: 4-Bromofluorobenzene	105		% 50-158	1	08/01/09 23:26	CLJ	5138745

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	22.6		2.5	5	08/04/09 4:02	BDG	5141515

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	7.2		1	1	08/01/09 23:26	E_S1	5140888
Toluene	5.5		1	1	08/01/09 23:26	E_S1	5140888
Ethylbenzene	ND		1	1	08/01/09 23:26	E_S1	5140888
m,p-Xylene	34		1	1	08/01/09 23:26	E_S1	5140888
o-Xylene	15		1	1	08/01/09 23:26	E_S1	5140888
Xylenes, Total	49		1	1	08/01/09 23:26	E_S1	5140888
Surr: 1,4-Difluorobenzene	97.4		% 70-130	1	08/01/09 23:26	E_S1	5140888
Surr: 4-Bromofluorobenzene	114		% 70-130	1	08/01/09 23:26	E_S1	5140888

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



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

Client Sample ID: MW-26

Collected: 07/29/2009 8:05

SPL Sample ID: 09071601-09

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.71		0.05	1	08/06/09 0:53	NW	5146350
Surr: n-Pentacosane	76.6		% 20-150	1	08/06/09 0:53	NW	5146350

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/01/09 23:55	CLJ	5138746
Surr: 1,4-Difluorobenzene	90.7		% 60-155	1	08/01/09 23:55	CLJ	5138746
Surr: 4-Bromofluorobenzene	104		% 50-158	1	08/01/09 23:55	CLJ	5138746

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	114		5	10	08/04/09 4:19	BDG	5141517

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/01/09 23:55	E_S1	5140889
Toluene	ND		1	1	08/01/09 23:55	E_S1	5140889
Ethylbenzene	ND		1	1	08/01/09 23:55	E_S1	5140889
m,p-Xylene	ND		1	1	08/01/09 23:55	E_S1	5140889
o-Xylene	ND		1	1	08/01/09 23:55	E_S1	5140889
Xylenes, Total	ND		1	1	08/01/09 23:55	E_S1	5140889
Surr: 1,4-Difluorobenzene	95.6		% 70-130	1	08/01/09 23:55	E_S1	5140889
Surr: 4-Bromofluorobenzene	114		% 70-130	1	08/01/09 23:55	E_S1	5140889

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-27

Collected: 07/29/2009 8:21

SPL Sample ID: 09071601-10

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/06/09 1:24	NW	5146351
Surr: n-Pentacosane	64.2	%	20-150	1	08/06/09 1:24	NW	5146351

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.13		0.1	1	08/02/09 0:23	CLJ	5138747
Surr: 1,4-Difluorobenzene	92.6	%	60-155	1	08/02/09 0:23	CLJ	5138747
Surr: 4-Bromofluorobenzene	105	%	50-158	1	08/02/09 0:23	CLJ	5138747

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	111		5	10	08/04/09 4:37	BDG	5141518

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	27		1	1	08/02/09 0:23	E_S1	5140890
Toluene	3.4		1	1	08/02/09 0:23	E_S1	5140890
Ethylbenzene	ND		1	1	08/02/09 0:23	E_S1	5140890
m,p-Xylene	ND		1	1	08/02/09 0:23	E_S1	5140890
o-Xylene	ND		1	1	08/02/09 0:23	E_S1	5140890
Xylenes, Total	ND		1	1	08/02/09 0:23	E_S1	5140890
Surr: 1,4-Difluorobenzene	94.8	%	70-130	1	08/02/09 0:23	E_S1	5140890
Surr: 4-Bromofluorobenzene	112	%	70-130	1	08/02/09 0:23	E_S1	5140890

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

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8/13/2009 3:44:18 PM



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

Client Sample ID: MW-23

Collected: 07/29/2009 8:32

SPL Sample ID: 09071601-11

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/06/09 1:55	NW	5146352
Surr: n-Pentacosane	76.0	%	20-150	1	08/06/09 1:55	NW	5146352

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/02/09 0:51	CLJ	5138748
Surr: 1,4-Difluorobenzene	91.9	%	60-155	1	08/02/09 0:51	CLJ	5138748
Surr: 4-Bromofluorobenzene	103	%	50-158	1	08/02/09 0:51	CLJ	5138748

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	55.7		5	10	08/04/09 4:55	BDG	5141520

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/02/09 0:51	E_S1	5140891
Toluene	ND		1	1	08/02/09 0:51	E_S1	5140891
Ethylbenzene	ND		1	1	08/02/09 0:51	E_S1	5140891
m,p-Xylene	ND		1	1	08/02/09 0:51	E_S1	5140891
o-Xylene	ND		1	1	08/02/09 0:51	E_S1	5140891
Xylenes, Total	ND		1	1	08/02/09 0:51	E_S1	5140891
Surr: 1,4-Difluorobenzene	94.3	%	70-130	1	08/02/09 0:51	E_S1	5140891
Surr: 4-Bromofluorobenzene	113	%	70-130	1	08/02/09 0:51	E_S1	5140891

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-22

Collected: 07/29/2009 8:46

SPL Sample ID: 09071601-12

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/06/09 2:26	NW	5146353
Surr: n-Pentacosane	79.6	%	20-150	1	08/06/09 2:26	NW	5146353

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/02/09 1:20	CLJ	5138749
Surr: 1,4-Difluorobenzene	90.9	%	60-155	1	08/02/09 1:20	CLJ	5138749
Surr: 4-Bromofluorobenzene	103	%	50-158	1	08/02/09 1:20	CLJ	5138749

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	75.3		5	10	08/04/09 5:48	BDG	5141524

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/02/09 1:20	E_S1	5140892
Toluene	ND		1	1	08/02/09 1:20	E_S1	5140892
Ethylbenzene	ND		1	1	08/02/09 1:20	E_S1	5140892
m,p-Xylene	ND		1	1	08/02/09 1:20	E_S1	5140892
o-Xylene	ND		1	1	08/02/09 1:20	E_S1	5140892
Xylenes, Total	ND		1	1	08/02/09 1:20	E_S1	5140892
Surr: 1,4-Difluorobenzene	95.3	%	70-130	1	08/02/09 1:20	E_S1	5140892
Surr: 4-Bromofluorobenzene	112	%	70-130	1	08/02/09 1:20	E_S1	5140892

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-13

Collected: 07/29/2009 8:58

SPL Sample ID: 09071601-13

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	ND		0.05	1	08/06/09 2:57	NW	5146354
Surr: n-Pentacosane	73.8	%	20-150	1	08/06/09 2:57	NW	5146354

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	ND		0.1	1	08/02/09 1:48	CLJ	5138750
Surr: 1,4-Difluorobenzene	91.7	%	60-155	1	08/02/09 1:48	CLJ	5138750
Surr: 4-Bromofluorobenzene	103	%	50-158	1	08/02/09 1:48	CLJ	5138750

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	68.5		5	10	08/04/09 6:05	BDG	5141526

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND		1	1	08/02/09 1:48	E_S1	5140893
Toluene	ND		1	1	08/02/09 1:48	E_S1	5140893
Ethylbenzene	ND		1	1	08/02/09 1:48	E_S1	5140893
m,p-Xylene	ND		1	1	08/02/09 1:48	E_S1	5140893
o-Xylene	ND		1	1	08/02/09 1:48	E_S1	5140893
Xylenes, Total	ND		1	1	08/02/09 1:48	E_S1	5140893
Surr: 1,4-Difluorobenzene	95.4	%	70-130	1	08/02/09 1:48	E_S1	5140893
Surr: 4-Bromofluorobenzene	113	%	70-130	1	08/02/09 1:48	E_S1	5140893

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

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

Client Sample ID: MW-19

Collected: 07/29/2009 9:11

SPL Sample ID: 09071601-14

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	08/06/09 3:28	NW	5146355
Surr: n-Pentacosane	58.6	%	20-150	1	08/06/09 3:28	NW	5146355

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/02/09 2:16	CLJ	5138751
Surr: 1,4-Difluorobenzene	91.6	%	60-155	1	08/02/09 2:16	CLJ	5138751
Surr: 4-Bromofluorobenzene	103	%	50-158	1	08/02/09 2:16	CLJ	5138751

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	146		5	10	08/04/09 6:23	BDG	5141527

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/02/09 2:16	E_S1	5140894
Toluene	ND		1	1	08/02/09 2:16	E_S1	5140894
Ethylbenzene	ND		1	1	08/02/09 2:16	E_S1	5140894
m,p-Xylene	ND		1	1	08/02/09 2:16	E_S1	5140894
o-Xylene	ND		1	1	08/02/09 2:16	E_S1	5140894
Xylenes, Total	ND		1	1	08/02/09 2:16	E_S1	5140894
Surr: 1,4-Difluorobenzene	94.7	%	70-130	1	08/02/09 2:16	E_S1	5140894
Surr: 4-Bromofluorobenzene	113	%	70-130	1	08/02/09 2:16	E_S1	5140894

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



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

Client Sample ID: MW-14

Collected: 07/29/2009 9:27

SPL Sample ID: 09071601-15

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.063		0.05	1	08/06/09 3:59	NW	5146356
Surr: n-Pentacosane	73.4		% 20-150	1	08/06/09 3:59	NW	5146356

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/02/09 2:44	CLJ	5138752
Surr: 1,4-Difluorobenzene	91.6		% 60-155	1	08/02/09 2:44	CLJ	5138752
Surr: 4-Bromofluorobenzene	105		% 50-158	1	08/02/09 2:44	CLJ	5138752

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	237		10	20	08/04/09 7:16	BDG	5141531

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/02/09 2:44	E_S1	5140895
Toluene	ND		1	1	08/02/09 2:44	E_S1	5140895
Ethylbenzene	ND		1	1	08/02/09 2:44	E_S1	5140895
m,p-Xylene	ND		1	1	08/02/09 2:44	E_S1	5140895
o-Xylene	ND		1	1	08/02/09 2:44	E_S1	5140895
Xylenes, Total	ND		1	1	08/02/09 2:44	E_S1	5140895
Surr: 1,4-Difluorobenzene	93.7		% 70-130	1	08/02/09 2:44	E_S1	5140895
Surr: 4-Bromofluorobenzene	110		% 70-130	1	08/02/09 2:44	E_S1	5140895

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

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

Client Sample ID: MW-18

Collected: 07/29/2009 9:40

SPL Sample ID: 09071601-16

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.26		0.05	1	08/06/09 4:30	NW	5146357
Surr: n-Pentacosane	73.2		% 20-150	1	08/06/09 4:30	NW	5146357

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	15		2	20	08/03/09 20:15	E_S1	5146140
Surr: 1,4-Difluorobenzene	96.2		% 60-155	20	08/03/09 20:15	E_S1	5146140
Surr: 4-Bromofluorobenzene	107		% 50-158	20	08/03/09 20:15	E_S1	5146140

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	218		10	20	08/04/09 7:33	BDG	5141532

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	5000		20	20	08/03/09 16:18	E_S1	5146038
Toluene	ND		1	1	08/06/09 20:24	E_S1	5147205
Ethylbenzene	140		20	20	08/03/09 16:18	E_S1	5146038
m,p-Xylene	96		20	20	08/03/09 16:18	E_S1	5146038
o-Xylene	46		20	20	08/03/09 16:18	E_S1	5146038
Xylenes, Total	142		20	20	08/03/09 16:18	E_S1	5146038
Surr: 1,4-Difluorobenzene	97.2		% 70-130	20	08/03/09 16:18	E_S1	5146038
Surr: 1,4-Difluorobenzene	122		% 70-130	1	08/06/09 20:24	E_S1	5147205
Surr: 4-Bromofluorobenzene	94.4		% 70-130	20	08/03/09 16:18	E_S1	5146038
Surr: 4-Bromofluorobenzene	101		% 70-130	1	08/06/09 20:24	E_S1	5147205

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



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

Client Sample ID: MW-12

Collected: 07/29/2009 10:30 SPL Sample ID: 09071601-17

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.37		0.05	1	08/06/09 5:01	NW	5146358
Surr: n-Pentacosane	73.0		% 20-150	1	08/06/09 5:01	NW	5146358

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	16		2	20	08/03/09 20:43	E_S1	5146141
Surr: 1,4-Difluorobenzene	99.8		% 60-155	20	08/03/09 20:43	E_S1	5146141
Surr: 4-Bromofluorobenzene	106		% 50-158	20	08/03/09 20:43	E_S1	5146141

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	190		10	20	08/04/09 7:51	BDG	5141534

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4100		20	20	08/03/09 16:50	E_S1	5146039
Toluene	2.2		1	1	08/06/09 21:29	E_S1	5147206
Ethylbenzene	180		20	20	08/03/09 16:50	E_S1	5146039
m,p-Xylene	190		20	20	08/03/09 16:50	E_S1	5146039
o-Xylene	16		1	1	08/06/09 21:29	E_S1	5147206
Xylenes, Total	206		1	1	08/06/09 21:29	E_S1	5147206
Surr: 1,4-Difluorobenzene	96.6		% 70-130	20	08/03/09 16:50	E_S1	5146039
Surr: 1,4-Difluorobenzene	91.6		% 70-130	1	08/06/09 21:29	E_S1	5147206
Surr: 4-Bromofluorobenzene	94.5		% 70-130	20	08/03/09 16:50	E_S1	5146039
Surr: 4-Bromofluorobenzene	104		% 70-130	1	08/06/09 21:29	E_S1	5147206

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



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

Client Sample ID: SVE-10

Collected: 07/29/2009 10:53 SPL Sample ID: 09071601-18

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.17		0.05	1	08/06/09 6:33	NW	5146360
Surr: n-Pentacosane	58.0		% 20-150	1	08/06/09 6:33	NW	5146360

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.12		0.1	1	08/03/09 15:59	E_S1	5146135
Surr: 1,4-Difluorobenzene	91.3		% 60-155	1	08/03/09 15:59	E_S1	5146135
Surr: 4-Bromofluorobenzene	106		% 50-158	1	08/03/09 15:59	E_S1	5146135

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	252		10	20	08/04/09 8:09	BDG	5141535

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/03/09 15:59	E_S1	5146192
Toluene	ND		1	1	08/03/09 15:59	E_S1	5146192
Ethylbenzene	ND		1	1	08/03/09 15:59	E_S1	5146192
m,p-Xylene	ND		1	1	08/03/09 15:59	E_S1	5146192
o-Xylene	ND		1	1	08/03/09 15:59	E_S1	5146192
Xylenes, Total	ND		1	1	08/03/09 15:59	E_S1	5146192
Surr: 1,4-Difluorobenzene	94.0		% 70-130	1	08/03/09 15:59	E_S1	5146192
Surr: 4-Bromofluorobenzene	113		% 70-130	1	08/03/09 15:59	E_S1	5146192

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-11

Collected: 07/29/2009 11:05

SPL Sample ID: 09071601-19

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	7.1		0.15	3	08/06/09 9:07	NW	5146363
Surr: n-Pentacosane	97.6		% 20-150	3	08/06/09 9:07	NW	5146363

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	39		2.5	25	08/03/09 21:12	E_S1	5146142
Surr: 1,4-Difluorobenzene	105		% 60-155	25	08/03/09 21:12	E_S1	5146142
Surr: 4-Bromofluorobenzene	110		% 50-158	25	08/03/09 21:12	E_S1	5146142

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	228		10	20	08/04/09 8:26	BDG	5141536

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	5900		25	25	08/03/09 17:22	E_S1	5146040
Toluene	80		25	25	08/03/09 17:22	E_S1	5146040
Ethylbenzene	770		25	25	08/03/09 17:22	E_S1	5146040
m,p-Xylene	1500		25	25	08/03/09 17:22	E_S1	5146040
o-Xylene	520		25	25	08/03/09 17:22	E_S1	5146040
Xylenes, Total	2020		25	25	08/03/09 17:22	E_S1	5146040
Surr: 1,4-Difluorobenzene	95.3		% 70-130	25	08/03/09 17:22	E_S1	5146040
Surr: 4-Bromofluorobenzene	94.9		% 70-130	25	08/03/09 17:22	E_S1	5146040

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-6

Collected: 07/29/2009 11:22

SPL Sample ID: 09071601-20

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	2.2		0.05	1	08/06/09 7:04	NW	5146361
Surr: n-Pentacosane	98.6		% 20-150	1	08/06/09 7:04	NW	5146361

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:54	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	4.2		0.5	5	08/03/09 21:40	E_S1	5146143
Surr: 1,4-Difluorobenzene	99.6		% 60-155	5	08/03/09 21:40	E_S1	5146143
Surr: 4-Bromofluorobenzene	109		% 50-158	5	08/03/09 21:40	E_S1	5146143

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	124		5	10	08/04/09 9:19	BDG	5141540

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	180		1	1	08/05/09 9:59	E_S1	5147528
Toluene	210		1	1	08/05/09 9:59	E_S1	5147528
Ethylbenzene	180		1	1	08/05/09 9:59	E_S1	5147528
m,p-Xylene	170		1	1	08/05/09 9:59	E_S1	5147528
o-Xylene	77		1	1	08/05/09 9:59	E_S1	5147528
Xylenes, Total	247		1	1	08/05/09 9:59	E_S1	5147528
Surr: 1,4-Difluorobenzene	105		% 70-130	1	08/05/09 9:59	E_S1	5147528
Surr: 4-Bromofluorobenzene	101		% 70-130	1	08/05/09 9:59	E_S1	5147528

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

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8/13/2009 3:44:22 PM



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

Client Sample ID: MW-2

Collected: 07/29/2009 11:38 SPL Sample ID: 09071601-21

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	10		0.5	10	08/05/09 11:50	NW	5146208
Surr: n-Pentacosane	107		% 20-150	10	08/05/09 11:50	NW	5146208

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:53	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	62		5	50	08/03/09 22:09	E_S1	5146144
Surr: 1,4-Difluorobenzene	98.8		% 60-155	50	08/03/09 22:09	E_S1	5146144
Surr: 4-Bromofluorobenzene	108		% 50-158	50	08/03/09 22:09	E_S1	5146144

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	66.1		5	10	08/04/09 9:37	BDG	5141541

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	15000		50	50	08/03/09 18:27	E_S1	5146041
Toluene	2000		50	50	08/03/09 18:27	E_S1	5146041
Ethylbenzene	640		50	50	08/03/09 18:27	E_S1	5146041
m,p-Xylene	1100		50	50	08/03/09 18:27	E_S1	5146041
o-Xylene	440		50	50	08/03/09 18:27	E_S1	5146041
Xylenes, Total	1540		50	50	08/03/09 18:27	E_S1	5146041
Surr: 1,4-Difluorobenzene	99.6		% 70-130	50	08/03/09 18:27	E_S1	5146041
Surr: 4-Bromofluorobenzene	94.0		% 70-130	50	08/03/09 18:27	E_S1	5146041

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: 07/29/2009 12:00

SPL Sample ID: 09071601-22

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	3.7		0.1	2	08/05/09 12:52	NW	5146210
Surr: n-Pentacosane	107	%	20-150	2	08/05/09 12:52	NW	5146210

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:53	N_M	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	33		2.5	25	08/03/09 22:37	E_S1	5146145
Surr: 1,4-Difluorobenzene	99.6	%	60-155	25	08/03/09 22:37	E_S1	5146145
Surr: 4-Bromofluorobenzene	108	%	50-158	25	08/03/09 22:37	E_S1	5146145

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	36.8		5	10	08/04/09 9:54	BDG	5141543

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	9200		25	25	08/03/09 18:59	E_S1	5146042
Toluene	80		5	5	08/06/09 23:38	E_S1	5147208
Ethylbenzene	330		25	25	08/03/09 18:59	E_S1	5146042
m,p-Xylene	510		25	25	08/03/09 18:59	E_S1	5146042
o-Xylene	190		25	25	08/03/09 18:59	E_S1	5146042
Xylenes, Total	700		25	25	08/03/09 18:59	E_S1	5146042
Surr: 1,4-Difluorobenzene	97.6	%	70-130	25	08/03/09 18:59	E_S1	5146042
Surr: 1,4-Difluorobenzene	112	%	70-130	5	08/06/09 23:38	E_S1	5147208
Surr: 4-Bromofluorobenzene	93.9	%	70-130	25	08/03/09 18:59	E_S1	5146042
Surr: 4-Bromofluorobenzene	99.3	%	70-130	5	08/06/09 23:38	E_S1	5147208

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: DUP-01

Collected: 07/29/2009 0:00

SPL Sample ID: 09071601-23

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	0.52		0.05	1	08/05/09 12:21	NW	5146209
Surr: n-Pentacosane	98.4	%	20-150	1	08/05/09 12:21	NW	5146209

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:53	N_M	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	0.86		0.1	1	08/04/09 0:59	E_S1	5146148
Surr: 1,4-Difluorobenzene	112	%	60-155	1	08/04/09 0:59	E_S1	5146148
Surr: 4-Bromofluorobenzene	110	%	50-158	1	08/04/09 0:59	E_S1	5146148

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	287		25	50	08/04/09 10:47	BDG	5141547

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	1.2		1	1	08/03/09 21:39	E_S1	5146046
Toluene	4.2		1	1	08/03/09 21:39	E_S1	5146046
Ethylbenzene	15		1	1	08/03/09 21:39	E_S1	5146046
m,p-Xylene	3.6		1	1	08/03/09 21:39	E_S1	5146046
o-Xylene	ND		1	1	08/03/09 21:39	E_S1	5146046
Xylenes, Total	3.6		1	1	08/03/09 21:39	E_S1	5146046
Surr: 1,4-Difluorobenzene	98.6	%	70-130	1	08/03/09 21:39	E_S1	5146046
Surr: 4-Bromofluorobenzene	89.6	%	70-130	1	08/03/09 21:39	E_S1	5146046

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



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

Client Sample ID: DUP-02

Collected: 07/29/2009 0:00

SPL Sample ID: 09071601-24

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.28		0.05	1	08/05/09 8:12	NW	5146204
Surr: n-Pentacosane	83.0		% 20-150	1	08/05/09 8:12	NW	5146204

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/31/2009 9:53	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	17		1	10	08/05/09 1:43	E_S1	5142850
Surr: 1,4-Difluorobenzene	115		% 60-155	10	08/05/09 1:43	E_S1	5142850
Surr: 4-Bromofluorobenzene	97.5		% 50-158	10	08/05/09 1:43	E_S1	5142850

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	197		10	20	08/04/09 11:05	BDG	5141548

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4300		10	10	08/05/09 3:02	E_S1	5143710
Toluene	1.9		1	1	08/06/09 22:33	E_S1	5147207
Ethylbenzene	200		5	5	08/03/09 19:31	E_S1	5146043
m,p-Xylene	210		5	5	08/03/09 19:31	E_S1	5146043
o-Xylene	10		5	5	08/03/09 19:31	E_S1	5146043
Xylenes, Total	220		5	5	08/03/09 19:31	E_S1	5146043
Surr: 1,4-Difluorobenzene	97.4		% 70-130	10	08/05/09 3:02	E_S1	5143710
Surr: 1,4-Difluorobenzene	97.0		% 70-130	5	08/03/09 19:31	E_S1	5146043
Surr: 1,4-Difluorobenzene	126		% 70-130	1	08/06/09 22:33	E_S1	5147207
Surr: 4-Bromofluorobenzene	95.9		% 70-130	10	08/05/09 3:02	E_S1	5143710
Surr: 4-Bromofluorobenzene	96.1		% 70-130	5	08/03/09 19:31	E_S1	5146043
Surr: 4-Bromofluorobenzene	103		% 70-130	1	08/06/09 22:33	E_S1	5147207

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



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

Client Sample ID: Trip Blank-1

Collected: 07/28/2009 0:00

SPL Sample ID: 09071601-25

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	08/04/09 14:24	E_S1	5142833
Surr: 1,4-Difluorobenzene	106	%	60-155	1	08/04/09 14:24	E_S1	5142833
Surr: 4-Bromofluorobenzene	103	%	50-158	1	08/04/09 14:24	E_S1	5142833
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	08/04/09 13:00	E_S1	5143704
Toluene	ND		1	1	08/04/09 13:00	E_S1	5143704
Ethylbenzene	ND		1	1	08/04/09 13:00	E_S1	5143704
m,p-Xylene	ND		1	1	08/04/09 13:00	E_S1	5143704
o-Xylene	ND		1	1	08/04/09 13:00	E_S1	5143704
Xylenes, Total	ND		1	1	08/04/09 13:00	E_S1	5143704
Surr: 1,4-Difluorobenzene	98.4	%	70-130	1	08/04/09 13:00	E_S1	5143704
Surr: 4-Bromofluorobenzene	92.9	%	70-130	1	08/04/09 13:00	E_S1	5143704

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



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: 92499

Method Blank

RunID: HP_Z_090805A-5146197 Units: mg/L
Analysis Date: 08/05/2009 3:29 Analyst: NW
Preparation Date: 07/31/2009 9:53 Prep By: N_M Method SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-21C	MW-2
09071601-22C	MW-3
09071601-23C	DUP-01
09071601-24C	DUP-02

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	135.4	20-150

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_Z_090805A-5146198 Units: mg/L
Analysis Date: 08/05/2009 4:01 Analyst: NW
Preparation Date: 07/31/2009 9:53 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics	2.00	2.94	147	2.00	2.86	143	2.6	43	21	175
Surr: n-Pentacosane	0.0500	0.0726	145	0.0500	0.0679	136	6.7	43	20	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: 92500

Method Blank

RunID: HP_Z_090805B-5146337 Units: mg/L
Analysis Date: 08/05/2009 18:10 Analyst: NW
Preparation Date: 07/31/2009 9:54 Prep By: N_M Method SW3510C

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	137.6	20-150

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-01C	MW-21
09071601-02C	MW-16
09071601-03C	MW-20
09071601-04C	MW-25
09071601-05C	MW-24
09071601-06C	MW-15
09071601-07C	MW-4
09071601-08C	MW-5
09071601-09C	MW-26
09071601-10C	MW-27
09071601-11C	MW-23
09071601-12C	MW-22
09071601-13C	MW-13
09071601-14C	MW-19
09071601-15C	MW-14
09071601-16C	MW-18
09071601-17C	MW-12
09071601-18C	SVE-10
09071601-19C	MW-11
09071601-20C	MW-6

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_Z_090805B-5146338 Units: mg/L
Analysis Date: 08/05/2009 18:41 Analyst: NW
Preparation Date: 07/31/2009 9:54 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics	2.00	2.96	148	2.00	3.00	150	1.4	43	21	175
Surr: n-Pentacosane	0.0500	0.0735	147	0.0500	0.0695	139	5.6	43	20	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL *- Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: R279748

Method Blank

RunID: HP_P_090801A-5138759 Units: mg/L
Analysis Date: 08/01/2009 13:03 Analyst: CLJ

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	92.1	60-155
Surr: 4-Bromofluorobenzene	104.0	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-01A	MW-21
09071601-02A	MW-16
09071601-03A	MW-20
09071601-04A	MW-25
09071601-07A	MW-4
09071601-08A	MW-5
09071601-09A	MW-26
09071601-10A	MW-27
09071601-11A	MW-23
09071601-12A	MW-22
09071601-13A	MW-13
09071601-14A	MW-19
09071601-15A	MW-14

Laboratory Control Sample (LCS)

RunID: HP_P_090801A-5138727 Units: mg/L
Analysis Date: 08/01/2009 12:06 Analyst: CLJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.808	80.8	42	136
Surr: 1,4-Difluorobenzene	0.100	0.0946	94.6	60	155
Surr: 4-Bromofluorobenzene	0.100	0.105	105	50	158

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

Sample Spiked: 09071338-05
RunID: HP_P_090801A-5138731 Units: mg/L
Analysis Date: 08/01/2009 14:56 Analyst: CLJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	14.0	50	60.9	93.9	50	57.0	86.0	6.65	36	22	174

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: R279748

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

Sample Spiked: 09071338-05
RunID: HP_P_090801A-5138731 Units: mg/L
Analysis Date: 08/01/2009 14:56 Analyst: CLJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: 1,4-Difluorobenzene	ND	5	4.82	96.4	5	4.81	96.1	0.326	30	60	155
Surr: 4-Bromofluorobenzene	ND	5	5.48	110	5	5.46	109	0.385	30	50	158

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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R279891

Method Blank

RunID: HP_P_090801B-5140874 Units: ug/L
Analysis Date: 08/01/2009 13:03 Analyst: E_S1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	96.4	70-130
Surr: 4-Bromofluorobenzene	113.2	70-130

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-01A	MW-21
09071601-02A	MW-16
09071601-03A	MW-20
09071601-04A	MW-25
09071601-07A	MW-4
09071601-08A	MW-5
09071601-09A	MW-26
09071601-10A	MW-27
09071601-11A	MW-23
09071601-12A	MW-22
09071601-13A	MW-13
09071601-14A	MW-19
09071601-15A	MW-14

Laboratory Control Sample (LCS)

RunID: HP_P_090801B-5140873 Units: ug/L
Analysis Date: 08/01/2009 11:38 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.6	93.1	70	130
Ethylbenzene	20.0	19.2	96.0	70	130
Toluene	20.0	18.9	94.4	70	130
m,p-Xylene	40.0	38.8	97.0	70	130
o-Xylene	20.0	18.3	91.4	70	130
Xylenes, Total	60.0	57.1	95.2	70	130
Surr: 1,4-Difluorobenzene	100	96.1	96.1	70	130
Surr: 4-Bromofluorobenzene	100	113	113	70	130

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

Sample Spiked: 09071338-05
RunID: HP_P_090801B-5140876 Units: ug/L
Analysis Date: 08/01/2009 13:59 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R279891

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	1680	2500	4000	92.6	2500	3820	85.6	4.49	31	66	141
Ethylbenzene	604	2500	2860	90.1	2500	2720	84.5	5.04	28	52	136
Toluene	958	2500	3270	92.4	2500	3110	86.2	4.80	25	61	131
m,p-Xylene	1340	5000	5920	91.6	5000	5650	86.0	4.77	36	60	130
o-Xylene	90.7	2500	2370	91.1	2500	2260	86.7	4.82	30	64	130
Xylenes, Total	1440	7500	8290	91.4	7500	7910	86.2	4.78	36	60	130
Surr: 1,4-Difluorobenzene	ND	5000	4970	99.3	5000	4950	99.1	0.243	30	70	130
Surr: 4-Bromofluorobenzene	ND	5000	5670	113	5000	5660	113	0.267	30	70	130

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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: R279992

Method Blank

Samples in Analytical Batch:

RunID: HP_P_090804B-5142831 Units: mg/L
Analysis Date: 08/04/2009 12:04 Analyst: E_S1

Lab Sample ID Client Sample ID
09071601-24A DUP-02
09071601-25A Trip Blank-1

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	105.8	60-155
Surr: 4-Bromofluorobenzene	95.9	50-158

Laboratory Control Sample (LCS)

RunID: HP_P_090804B-5142830 Units: mg/L
Analysis Date: 08/04/2009 11:07 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	1.01	101	42	136
Surr: 1,4-Difluorobenzene	0.100	0.106	106	60	155
Surr: 4-Bromofluorobenzene	0.100	0.0983	98.3	50	158

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

Sample Spiked: 09071591-01
RunID: HP_P_090804B-5142838 Units: mg/L
Analysis Date: 08/04/2009 17:37 Analyst: E_S1

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.947	94.7	1	0.994	99.4	4.87	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.1	0.109	109	0.1	0.107	107	1.57	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.0996	99.6	0.1	0.100	100	0.900	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280042

Method Blank

Samples in Analytical Batch:

RunID: HP_U_090804A-5143703 Units: ug/L
Analysis Date: 08/04/2009 11:29 Analyst: E_S1

Lab Sample ID Client Sample ID
09071601-24A DUP-02
09071601-25A Trip Blank-1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	95.9	70-130
Surr: 4-Bromofluorobenzene	92.6	70-130

Laboratory Control Sample (LCS)

RunID: HP_U_090804A-5143701 Units: ug/L
Analysis Date: 08/04/2009 10:19 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.1	101	70	130
Ethylbenzene	20.0	20.9	105	70	130
Toluene	20.0	20.3	101	70	130
m,p-Xylene	40.0	43.1	108	70	130
o-Xylene	20.0	20.2	101	70	130
Xylenes, Total	60.0	63.3	106	70	130
Surr: 1,4-Difluorobenzene	100	95.9	95.9	70	130
Surr: 4-Bromofluorobenzene	100	93.8	93.8	70	130

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

Sample Spiked: 09071601-24
RunID: HP_U_090804A-5143713 Units: ug/L
Analysis Date: 08/05/2009 5:11 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280042

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	4310	200	3910	N/C	200	4080	N/C	N/C	31	66	141
Ethylbenzene	210	200	365	77.2	200	379	84.1	3.74	28	52	136
Toluene	ND	200	174	87.1	200	182	90.9	4.21	25	61	131
m,p-Xylene	204	400	546	85.4	400	580	94.1	6.13	36	60	130
o-Xylene	14.2	200	192	89.1	200	200	92.8	3.77	30	64	130
Xylenes, Total	218	600	738	86.7	600	780	93.6	5.52	36	60	130
Surr: 1,4-Difluorobenzene	ND	1000	973	97.3	1000	959	95.9	1.46	30	70	130
Surr: 4-Bromofluorobenzene	ND	1000	966	96.6	1000	964	96.4	0.154	30	70	130

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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280154

Method Blank

RunID: HP_U_090803A-5146037 Units: ug/L
Analysis Date: 08/03/2009 13:23 Analyst: E_S1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-16A	MW-18
09071601-17A	MW-12
09071601-19A	MW-11
09071601-21A	MW-2
09071601-22A	MW-3
09071601-23A	DUP-01
09071601-24A	DUP-02

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	97.6	70-130
Surr: 4-Bromofluorobenzene	92.6	70-130

Laboratory Control Sample (LCS)

RunID: HP_U_090803A-5146036 Units: ug/L
Analysis Date: 08/03/2009 12:19 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.8	98.8	70	130
Ethylbenzene	20.0	20.5	103	70	130
Toluene	20.0	20.1	100	70	130
m,p-Xylene	40.0	42.1	105	70	130
o-Xylene	20.0	19.9	99.4	70	130
Xylenes, Total	60.0	62.0	103	70	130
Surr: 1,4-Difluorobenzene	100	96.9	96.9	70	130
Surr: 4-Bromofluorobenzene	100	94.1	94.1	70	130

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

Sample Spiked: 09071601-21
RunID: HP_U_090803A-5146048 Units: ug/L
Analysis Date: 08/03/2009 23:16 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280154

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	15000	1000	15300	N/C	1000	15000	N/C	N/C	31	66	141
Ethylbenzene	639	1000	1590	94.7	1000	1550	91.5	2.04	28	52	136
Toluene	2050	1000	2860	81.5	1000	2880	83.2	0.587	25	61	131
m,p-Xylene	1090	2000	3070	99.1	2000	3020	96.4	1.75	36	60	130
o-Xylene	439	1000	1380	93.8	1000	1350	90.8	2.23	30	64	130
Xylenes, Total	1530	3000	4450	97.3	3000	4370	94.5	1.90	36	60	130
Surr: 1,4-Difluorobenzene	ND	5000	4950	98.9	5000	4810	96.2	2.76	30	70	130
Surr: 4-Bromofluorobenzene	ND	5000	4790	95.8	5000	4780	95.6	0.232	30	70	130

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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: R280159

Method Blank

RunID: HP_P_090803B-5146132 Units: mg/L
Analysis Date: 08/03/2009 10:25 Analyst: E_S1

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	92.0	60-155
Surr: 4-Bromofluorobenzene	103.2	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-16A	MW-18
09071601-17A	MW-12
09071601-18A	SVE-10
09071601-19A	MW-11
09071601-20A	MW-6
09071601-21A	MW-2
09071601-22A	MW-3
09071601-23A	DUP-01

Laboratory Control Sample (LCS)

RunID: HP_P_090803B-5146131 Units: mg/L
Analysis Date: 08/03/2009 9:29 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.929	92.9	42	136
Surr: 1,4-Difluorobenzene	0.100	0.0955	95.5	60	155
Surr: 4-Bromofluorobenzene	0.100	0.107	107	50	158

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

Sample Spiked: 09071601-18
RunID: HP_P_090803B-5146136 Units: mg/L
Analysis Date: 08/03/2009 17:25 Analyst: E_S1

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	0.118	1	0.807	68.9	1	0.972	85.4	18.6	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.1	0.0946	94.6	0.1	0.0992	99.2	4.75	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.11	110	0.1	0.112	112	1.98	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280162

Method Blank

Samples in Analytical Batch:

RunID: HP_P_090803C-5146189 Units: ug/L
Analysis Date: 08/03/2009 10:25 Analyst: E_S1

Lab Sample ID Client Sample ID
09071601-18A SVE-10

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	94.1	70-130
Surr: 4-Bromofluorobenzene	112.6	70-130

Laboratory Control Sample (LCS)

RunID: HP_P_090803C-5146188 Units: ug/L
Analysis Date: 08/03/2009 9:01 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	17.8	88.9	70	130
Ethylbenzene	20.0	17.5	87.6	70	130
Toluene	20.0	18.2	91.0	70	130
m,p-Xylene	40.0	36.1	90.1	70	130
o-Xylene	20.0	17.5	87.5	70	130
Xylenes, Total	60.0	53.6	89.3	70	130
Surr: 1,4-Difluorobenzene	100	95.7	95.7	70	130
Surr: 4-Bromofluorobenzene	100	114	114	70	130

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

Sample Spiked: 09071601-18
RunID: HP_P_090803C-5146193 Units: ug/L
Analysis Date: 08/03/2009 16:28 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280162

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	20.0	98.4	20	20.4	101	2.11	31	66	141
Ethylbenzene	ND	20	18.5	92.6	20	19.4	97.1	4.75	28	52	136
Toluene	ND	20	19.3	96.3	20	19.8	98.8	2.57	25	61	131
m,p-Xylene	ND	40	40.0	99.9	40	41.8	104	4.35	36	60	130
o-Xylene	ND	20	19.0	95.2	20	19.7	98.6	3.56	30	64	130
Xylenes, Total	ND	60	59.0	98.4	60	61.5	102	4.10	36	60	130
Surr: 1,4-Difluorobenzene	ND	100	94.2	94.2	100	94.9	94.9	0.776	30	70	130
Surr: 4-Bromofluorobenzene	ND	100	113	113	100	113	113	0.0500	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280218

Method Blank

RunID: HP_U_090806B-5147201 Units: ug/L
Analysis Date: 08/06/2009 12:26 Analyst: E_S1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-16A	MW-18
09071601-17A	MW-12
09071601-22A	MW-3
09071601-24A	DUP-02

Analyte	Result	Rep Limit
Toluene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	98.7	70-130
Surr: 4-Bromofluorobenzene	93.5	70-130

Laboratory Control Sample (LCS)

RunID: HP_U_090806B-5147200 Units: ug/L
Analysis Date: 08/06/2009 11:18 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Toluene	20.0	19.9	99.7	70	130
o-Xylene	20.0	20.4	102	70	130
Xylenes, Total	60.0	63.3	106	70	130
Surr: 1,4-Difluorobenzene	100	99	99.0	70	130
Surr: 4-Bromofluorobenzene	100	94.9	94.9	70	130

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

Sample Spiked: 09080001-02
RunID: HP_U_090806B-5147211 Units: ug/L
Analysis Date: 08/07/2009 2:19 Analyst: E_S1

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Toluene	ND	20	18.2	90.9	20	17.8	88.8	2.35	25	61	131
o-Xylene	ND	20	20.9	104	20	19.3	96.4	8.09	30	64	130
Xylenes, Total	41.6	60	90.4	81.3	60	85.9	73.8	5.14	36	60	130
Surr: 1,4-Difluorobenzene	ND	100	97.3	97.3	100	97.3	97.3	0.0226	30	70	130

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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280218

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

Sample Spiked: 09080001-02
RunID: HP_U_090806B-5147211 Units: ug/L
Analysis Date: 08/07/2009 2:19 Analyst: E_S1

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: 4-Bromofluorobenzene	ND	100	98.5	98.5	100	99.5	99.5	1.02	30	70	130

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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280244

Method Blank

Samples in Analytical Batch:

RunID: HP_U_090805B-5147526 Units: ug/L
Analysis Date: 08/05/2009 7:52 Analyst: E_S1

Lab Sample ID Client Sample ID
09071601-20A MW-6

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	99.2	70-130
Surr: 4-Bromofluorobenzene	94.1	70-130

Laboratory Control Sample (LCS)

RunID: HP_U_090805B-5147525 Units: ug/L
Analysis Date: 08/05/2009 6:48 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.8	98.9	70	130
Ethylbenzene	20.0	20.8	104	70	130
Toluene	20.0	19.9	99.5	70	130
m,p-Xylene	40.0	42.7	107	70	130
o-Xylene	20.0	19.9	99.6	70	130
Xylenes, Total	60.0	62.6	104	70	130
Surr: 1,4-Difluorobenzene	100	97.6	97.6	70	130
Surr: 4-Bromofluorobenzene	100	95.4	95.4	70	130

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

Sample Spiked: 09071601-20
RunID: HP_U_090805B-5147529 Units: ug/L
Analysis Date: 08/05/2009 11:03 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280244

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	181	20	183	N/C	20	178	N/C	N/C	31	66	141
Ethylbenzene	178	20	180	N/C	20	180	N/C	N/C	28	52	136
Toluene	213	20	211	N/C	20	211	N/C	N/C	25	61	131
m,p-Xylene	168	40	195	N/C	40	194	N/C	N/C	36	60	130
o-Xylene	76.9	20	92.3	77.3	20	92.0	75.5	0.391	30	64	130
Xylenes, Total	245.1	60	287.3	N/C	60	286.0	N/C	N/C	36	60	130
Surr: 1,4-Difluorobenzene	ND	100	102	102	100	96.9	96.9	4.83	30	70	130
Surr: 4-Bromofluorobenzene	ND	100	103	103	100	102	102	0.726	30	70	130

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09071601
Lab Batch ID: R280295

Method Blank

RunID: HP_P_090807A-5148299 Units: mg/L
Analysis Date: 08/07/2009 13:33 Analyst: E_S1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-05A	MW-24
09071601-06A	MW-15

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	101.2	60-155
Surr: 4-Bromofluorobenzene	95.1	50-158

Laboratory Control Sample (LCS)

RunID: HP_P_090807A-5148298 Units: mg/L
Analysis Date: 08/07/2009 12:01 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.962	96.2	42	136
Surr: 1,4-Difluorobenzene	0.100	0.103	103	60	155
Surr: 4-Bromofluorobenzene	0.100	0.0983	98.3	50	158

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

Sample Spiked: 09071601-05
RunID: HP_P_090807A-5150061 Units: mg/L
Analysis Date: 08/07/2009 16:45 Analyst: E_S1

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	0.856	1	1.61	75.1	1	1.69	83.4	5.06	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.1	0.126	126	0.1	0.128	128	1.57	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.104	104	0.1	0.105	105	0.954	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280341

Method Blank

Samples in Analytical Batch:

RunID: HP_N_090807A-5149110 Units: ug/L
Analysis Date: 08/07/2009 6:35 Analyst: EMB

Lab Sample ID	Client Sample ID
09071601-05A	MW-24
09071601-06A	MW-15

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	97.2	70-130
Surr: 4-Bromofluorobenzene	101.3	70-130

Laboratory Control Sample (LCS)

RunID: HP_N_090807A-5149109 Units: ug/L
Analysis Date: 08/07/2009 5:31 Analyst: EMB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.2	101	70	130
Ethylbenzene	20.0	20.4	102	70	130
Toluene	20.0	20.2	101	70	130
m,p-Xylene	40.0	40.5	101	70	130
o-Xylene	20.0	20.2	101	70	130
Xylenes, Total	60.0	60.7	101	70	130
Surr: 1,4-Difluorobenzene	100	98	98.0	70	130
Surr: 4-Bromofluorobenzene	100	101	101	70	130

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

Sample Spiked: 09080163-16
RunID: HP_N_090807A-5149116 Units: ug/L
Analysis Date: 08/07/2009 11:06 Analyst: EMB

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09071601
Lab Batch ID: R280341

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	200	196	98.1	200	185	92.3	6.02	31	66	141
Ethylbenzene	ND	200	199	99.4	200	185	92.7	6.99	28	52	136
Toluene	ND	200	203	101	200	189	94.6	6.87	25	61	131
m,p-Xylene	ND	400	394	98.6	400	368	92.1	6.81	36	60	130
o-Xylene	ND	200	199	99.5	200	186	93.2	6.56	30	64	130
Xylenes, Total	ND	600	593	98.9	600	554	92.4	6.73	36	60	130
Surr: 1,4-Difluorobenzene	ND	1000	967	96.7	1000	975	97.5	0.822	30	70	130
Surr: 4-Bromofluorobenzene	ND	1000	1010	101	1000	1010	101	0.524	30	70	130

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.



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09071601
Lab Batch ID: R279831B

Method Blank

RunID: IC1_090803A-5141550 Units: mg/L

Analysis Date: 08/04/2009 11:22 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-01D	MW-21
09071601-02D	MW-16
09071601-03D	MW-20
09071601-04D	MW-25
09071601-05D	MW-24
09071601-06D	MW-15
09071601-07D	MW-4
09071601-08D	MW-5
09071601-09D	MW-26
09071601-10D	MW-27

Laboratory Control Sample (LCS)

RunID: IC1_090803A-5141551 Units: mg/L

Analysis Date: 08/04/2009 11:40 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.392	93.92	85	115

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

Sample Spiked: 09071601-04

RunID: IC1_090803A-5141507 Units: mg/L

Analysis Date: 08/04/2009 2:33 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	151.2	100	259.8	108.7	100	253.8	102.6	2.371	20	80	120

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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction #115-9640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09071601
Lab Batch ID: R279831C

Method Blank

RunID: IC1_090803A-5141550 Units: mg/L
Analysis Date: 08/04/2009 11:22 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-11D	MW-23
09071601-12D	MW-22
09071601-13D	MW-13
09071601-14D	MW-19
09071601-15D	MW-14
09071601-16D	MW-18
09071601-17D	MW-12
09071601-18D	SVE-10
09071601-19D	MW-11
09071601-20D	MW-6

Laboratory Control Sample (LCS)

RunID: IC1_090803A-5141653 Units: mg/L
Analysis Date: 08/03/2009 11:56 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.078	90.78	85	115

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

Sample Spiked: 09071601-14
RunID: IC1_090803A-5141528 Units: mg/L
Analysis Date: 08/04/2009 6:40 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	146.1	100	258.4	112.3	100	260.7	114.5	0.8734	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
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

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

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

Conoco Phillips

COP East Hobbs Junction #115-9640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09071601
Lab Batch ID: R279831C

Method Blank

RunID: IC1_090803A-5141550 Units: mg/L
Analysis Date: 08/04/2009 11:22 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-11D	MW-23
09071601-12D	MW-22
09071601-13D	MW-13
09071601-14D	MW-19
09071601-15D	MW-14
09071601-16D	MW-18
09071601-17D	MW-12
09071601-18D	SVE-10
09071601-19D	MW-11
09071601-20D	MW-6

Laboratory Control Sample (LCS)

RunID: IC1_090803A-5141551 Units: mg/L
Analysis Date: 08/04/2009 11:40 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.392	93.92	85	115

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

Sample Spiked: 09071601-14
RunID: IC1_090803A-5141528 Units: mg/L
Analysis Date: 08/04/2009 6:40 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	146.1	100	258.4	112.3	100	260.7	114.5	0.8734	20	80	120

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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction #115-9640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09071601
Lab Batch ID: R279831D

Method Blank

RunID: IC1_090803A-5141652 Units: mg/L
Analysis Date: 08/03/2009 10:45 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09071601-21D	MW-2
09071601-22D	MW-3
09071601-23D	DUP-01
09071601-24D	DUP-02

Analyte	Result	Rep Limit
Chloride	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_090803A-5141653 Units: mg/L
Analysis Date: 08/03/2009 11:56 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.078	90.78	85	115

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

Sample Spiked: 09071601-22
RunID: IC1_090803A-5141544 Units: mg/L
Analysis Date: 08/04/2009 10:12 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	36.79	100	138.3	101.6	100	135.0	98.23	2.433	20	80	120

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

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*Sample Receipt Checklist
And
Chain of Custody*



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

Sample Receipt Checklist

Workorder: 09071601

Received By: BF

Date and Time Received: 7/30/2009 9:30:00 AM

Carrier name: FedEx

Temperature: 3.0/2.0/4.2°C

Chilled by: Water Ice

- | | | | |
|---|---|-----------------------------|--|
| 1. Shipping container/cooler in good condition? | Yes ☒ | No ☐ | Not Present ☐ |
| 2. Custody seals intact on shipping 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?
AirBill#868792057475-3.0/868792057453-2.0/868792057494-4.2 | 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:



Analysis Request & Chain of Custody Record

SPL, Inc.

SPL Workorder No.

326425

0907/1601

page 1 of 10

Client Name: Tetra Tech LLCAddress: 1910 N. Big Spring St.City: MidlandState: TXZip: 79705-4100Phone/Fax: (432) 682-4559Client Contact: Greg Pope Email: Greg.Pope@TetraTech.comProject Name/No.: Coboco-Phillips / 115-9440006Site Name: EAST HARRIS JOINTSite Location: 115-9440006Invoice To: Coboco-Phillips

SAMPLE ID

DATE

TIME

comp

grab

matrix W=water S=soil O=oil A=air
SL=sludge E=encore X=otherbottle P=plastic A=amber glass
G=glass V=vial X=other.size 1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=otherpres. 1=HCl 2=HNO3
3=H2SO4 X=other

Number of Containers

TPH-GRO 8015

BTEX 8021

TPH-VRO 8015

CHLORIDE 300

Requested Analysis

Client/Consultant Remarks: Temp per cooler

Laboratory remarks:

Requested TAT

☐ 1 Business Day ☐ Contract☐ 2 Business Days ☒ Standard☐ 3 Business Days☐ Other

Rush TAT requires prior notice

Special Reporting Requirements Results:

Standard QC ☐Level 3 QC ☐Level 4 QC ☐TX TRRP ☐LA RECAP ☐

Special Detection Limits (specify):

PDF ☐TX TRRP ☐LA RECAP ☐PDF ☐

2. Received by:

4. Received by:

6. Received by Laboratory:

Intact?
Ice?
Temp:

04/13/2012

PM review (initial):

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901☐ 500 Ambassador Caffery Parkway
Scott, LA 70563 (337) 237-4775☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777



SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No.

326426

09071601

page 2 of 10

Requested Analysis

Client Name: Tetra Tech, Inc.

Address: 1910 N. Big Spring St

City: Mt Pleasant State: TX Zip: 79705-5300

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: Greg.Pope@TetraTech.com

Project Name/No.: Conoco-Phillips / 115-9640006

Site Name: EAST HOES Junction

Site Location: HOES, NM

Invoice To: Conoco-Phillips

Ph: _____

W=water S=soil O=oil A=air
SL=sludge E=encore X=other

P=plastic A=amber glass
G=glass V=vial X=other

1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other

1=HC1 2=HNO3
3=H2SO4 X=other

Number of Containers

TPH-GRO 8015

BTEX 8021

TPH-DRO 8015

Chloride 300

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Requested Analysis
MW-20	7/28/09	1327		X	W	V	60ml	1	2	
						P	1	None	1	
MW-25	7/28/09	1344		X	W	V	40	1	3	
						V	40	1	3	
						V	60ml	1	2	
						P	1	None	1	
MW-24	7/28/09	1408		X	W	V	40	1	3	
						V	40	1	3	
						V	60ml	1	2	
						P	1	None	1	

Client/Consultant Remarks: 1-Temp Free Cooler

Laboratory remarks:

Intact?
Ice?
Temp: 57.8 N

Requested TAT

- ☐ 1 Business Day
- ☐ 2 Business Days
- ☐ 3 Business Days
- ☐ Other

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):

1. Relinquished by Sampler:

3. Relinquished by:

5. Relinquished by:

2. Received by:

4. Received by:

6. Received by Laboratory:

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

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

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



SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No.

326428

09071601

page 4 of 10

Requested Analysis

Client Name: TETA TETA, INC.

Address: 1910 N. Big Spring St.

City: MIDLAND

State: TX

Zip: 79705

Phone/Fax: (432) 682-4559

Client Contact: GREG POPE

Email: GREG.POPE@TETATEX.COM

Project Name/No.: Cusco-Phillips / 115-964006

Site Name: East HARRIS Junction

Site Location: HARRIS, HWA

Invoice To: Cusco-Phillips

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=40ml
8=8oz 16=16oz X=other

pres. 1=HCl 2=HNO3
3=H2SO4 X=other

Number of Containers

TPH-GRD 8015

BTEX 8021

TPH-DRD 8015

Chloride 300

Client/Consultant Remarks:

1- Temp per order

Laboratory remarks:

Intact?

Ice? Temp: 55°F

Requested TAT

☐ 1 Business Day

☐ 2 Business Days

☐ 3 Business Days

☐ Other

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

3. Relinquished by:

5. Relinquished by:

Special Reporting Requirements Results:

Fax

Email

PDF

Special Detection Limits (specify):

PM review (initial):

2. Received by:

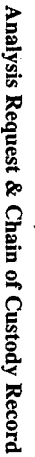
4. Received by:

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



SPL Workorder No

326430

09071601

page 6 of 10

Client Name: TERA TECH, INC.		Address: 1910 N. BIG SPRING ST.		City: MILPITAS		State: TX		Zip: 95055		Phone/Fax: (432) 682-4559		Email: aces.lope@tera-tech.com		Project Name/No.: Conoco-Phillips / 115-964006		Site Name: EAST HOORS Junction		Site Location: HOORS, NM		Invoice To: Conoco-Phillips		Ph: _____			
Requested TAT		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):	
☐ 1 Business Day ☐ 2 Business Days ☒ 3 Business Days ☐ Other _____		☐ 1 Business Day ☐ 2 Business Days ☒ Standard		☐ Contract ☒ Standard		☐ Rush TAT requires prior notice		☐ 5. Relinquished by: _____ date: _____		☐ 3. Relinquished by: _____ date: _____		☐ 1. Relinquished by Sampler: _____ date: _____		☐ 2. Received by: _____ time: _____		☐ 4. Received by: _____ time: _____		☐ 6. Received by Laboratory: _____ time: _____		☐ Intact? Ice?		☐ Temp:		☐	

SAMPLE ID	DATE	TIME	comp	grab	matrix		bottle		size		pres.		Number of Containers		Requested Analysis					
					W	S	P	A	G	V	1	4	8	16	40	80	160	320	TPH	BTEX
MW-13	7/29/09	0858		X	W		V		40	1	1	1	1	1	1	1				
MW-19	7/29/09	0911		X	W		V		40	1	1	1	1	1	1	1				
MW-14	7/29/09	0927		X	W		V		40	1	1	1	1	1	1	1				



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

326431

090711201

page 7 of 10

Requested Analysis

Client Name: Tetra Tech, Inc.Address: 910 N. Big Springs St.City: Mt PleasantState: TXZip: 79705-5110Phone/Fax: (432) 682-4559Client Contact: Greg PopeEmail: Greg.Pope@tetra-tech.comProject Name/No.: Conoco-Phillips

1/15-964006

Site Name: East Texas NuclearSite Location: Boers, NMInvoice To: Conoco-Phillips

SAMPLE ID

DATE

TIME

comp

grab

matrix
W=water S=soil O=oil A=air
SL=sludge E=encore X=otherbottle
P=plastic A=amber glass
G=glass V=vial X=othersize
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=otherpres.
1=HCl 2=HNO3
3=H2SO4 X=other

Number of Containers

TPH-GRD 8015
BTEX 8021
TPH-DRO 8015
Chloride

MU-18	7/29/09	0940		X	W	V	AD	1	3	X									
						V	AD	1	3	X									
						V	AD	1	3	X									
						V	AD	1	3	X									
MU-12	7/29/09	1030		X	W	V	AD	1	3	X									
						V	AD	1	3	X									
						V	AD	1	3	X									
						V	AD	1	3	X									
SNE-10	7/29/09	1053		X	W	V	AD	1	3	X									
						V	AD	1	3	X									
						V	AD	1	3	X									
						V	AD	1	3	X									

Client/Consultant Remarks:

1 - Temp per cooler

Laboratory remarks:

Intact? ☒ Ice? ☒ 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 ☐

Special Detection Limits (specify):

PM review (initial):

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

date

time

2. Received by:

3. Relinquished by:

date

time

4. Received by:

5. Relinquished by:

date

time

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



SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No.

326432

0907/1601 page 8 of 10

Requested Analysis

Client Name: Tetra Tech, Inc.

Address: 1910 N. Big Spring St.

City: Midland State: TX Zip: 79705

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: Greg.Pope@TetraTech.com

Project Name/No.: Casco Phillips / 115-964006

Site Name: East Hobas Junction

Site Location: Hobas, NM

Invoice To: Condor Phillips

Ph: _____

SAMPLE ID

DATE

TIME

comp

grab

matrix bottle size pres.

W=water S=soil O=oil A=air
SL=sludge E=encore X=other

P=plastic A=amber glass
G=glass V=vial X=other

1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other

1=HC1 2=HNO3
3=H2SO4 X=other

Number of Containers

TPH-GRO 8015

BTEX 8021

TPH DRO 8015

CHLORIDE 300

Client/Consultant Remarks:

1- Temp per cooler

Laboratory remarks:

Intact?

Ice?

Temp:

Requested TAT

☐ 1 Business Day ☐ Contract

☐ 2 Business Days ☒ Standard

☐ 3 Business Days

☐ Other _____

☐ Rush TAT requires prior notice

Special Reporting Requirements Results:

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

1. Relinquished by Sampler:

3. Relinquished by:

5. Relinquished by:

Special Detection Limits (specify):

2. Received by:

4. Received by:

6. Received by Laboratory:

PM review (initial):

HN

HN

HN

HN

HN

HN

HN

HN

HN

HN

HN

☒ 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



SPL, Inc.

SPL Workorder No.

316789

Analysis Request & Chain of Custody Record

0907/1601

page 9 of 10

Requested Analysis

TPH GRO 8015
BTEX 8021
TPH-DRO 8015
ChloroPE 300

Client Name: Terra Tech, Inc.

Address: 1910 N. Big Springs St. Metairie, LA 70005

Phone/Fax: (504) 682-4559

Client Contact: Greg Pope Email: Greg.Pope@terratech.com

Project Name/No.: Coucho Phillips / 115-964006

Site Name: East Texas Abandoned

Site Location: Boss, NM

Invoice To: Coucho Phillips Ph:

SAMPLE ID DATE TIME comp grab

MW-2 7/29/09 1138 X

MW-3 7/29/09 1200 X

Dup-01 7/29/09 0000 X

7/29/09 0000 X

7/29/09 0000 X

7/29/09 0000 X

7/29/09 0000 X

7/29/09 0000 X

7/29/09 0000 X

7/29/09 0000 X

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7/29/09 0000 X

7/29/09 0000 X

matrix bottle size pres. Number of Containers
W=water S=soil O=oil
SL=sludge X=other
P=plastic A=amber glass
G=glass V=vial X=other
1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other
1=HC1 2=HNO3
3=H2SO4 X=other

Requested TAT
Contract ☐ 72hr ☐ Standard ☒ 24hr ☐ 48hr ☐ Other ☐
Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
1. Relinquished by Sampler: ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐
3. Relinquished by: ☐ date 7/29/09 time 1530
5. Relinquished by: ☐ date 7/31/05 time 930
2. Received by: ☐ date 7/29/09 time 1530
4. Received by: ☐ date 7/29/09 time 1530
6. Received by Laboratory: ☐ date 7/29/09 time 1530
Intact? ☐ Ice? ☐ Temp: ☐
PM review (initial): ☐

Client/Consultant Remarks:
1-Temp Rec Cooler

Laboratory remarks:

Requested TAT

Contract ☐ 72hr ☐ Standard ☒ 24hr ☐ 48hr ☐ Other ☐

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

1. Relinquished by Sampler: ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

3. Relinquished by: ☐ date 7/29/09 time 1530

5. Relinquished by: ☐ date 7/31/05 time 930

2. Received by: ☐ date 7/29/09 time 1530

4. Received by: ☐ date 7/29/09 time 1530

6. Received by Laboratory: ☐ date 7/29/09 time 1530

Intact? ☐ Ice? ☐ Temp: ☐

Requested TAT

Contract ☐ 72hr ☐ Standard ☒ 24hr ☐ 48hr ☐ Other ☐
Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
1. Relinquished by Sampler: ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐
3. Relinquished by: ☐ date 7/29/09 time 1530
5. Relinquished by: ☐ date 7/31/05 time 930
2. Received by: ☐ date 7/29/09 time 1530
4. Received by: ☐ date 7/29/09 time 1530
6. Received by Laboratory: ☐ date 7/29/09 time 1530
Intact? ☐ Ice? ☐ Temp: ☐
PM review (initial): ☐

Client/Consultant Remarks:
1-Temp Rec Cooler

Laboratory remarks:

Requested TAT

Contract ☐ 72hr ☐ Standard ☒ 24hr ☐ 48hr ☐ Other ☐

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

1. Relinquished by Sampler: ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

3. Relinquished by: ☐ date 7/29/09 time 1530

5. Relinquished by: ☐ date 7/31/05 time 930

2. Received by: ☐ date 7/29/09 time 1530

4. Received by: ☐ date 7/29/09 time 1530

6. Received by Laboratory: ☐ date 7/29/09 time 1530

Intact? ☐ Ice? ☐ Temp: ☐

Requested TAT

Contract ☐ 72hr ☐ Standard ☒ 24hr ☐ 48hr ☐ Other ☐
Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
1. Relinquished by Sampler: ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐
3. Relinquished by: ☐ date 7/29/09 time 1530
5. Relinquished by: ☐ date 7/31/05 time 930
2. Received by: ☐ date 7/29/09 time 1530
4. Received by: ☐ date 7/29/09 time 1530
6. Received by Laboratory: ☐ date 7/29/09 time 1530
Intact? ☐ Ice? ☐ Temp: ☐
PM review (initial): ☐

Client/Consultant Remarks:
1-Temp Rec Cooler

Laboratory remarks:

Requested TAT

Contract ☐ 72hr ☐ Standard ☒ 24hr ☐ 48hr ☐ Other ☐

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

1. Relinquished by Sampler: ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

3. Relinquished by: ☐ date 7/29/09 time 1530

5. Relinquished by: ☐ date 7/31/05 time 930

2. Received by: ☐ date 7/29/09 time 1530

4. Received by: ☐ date 7/29/09 time 1530

6. Received by Laboratory: ☐ date 7/29/09 time 1530

Intact? ☐ Ice? ☐ Temp: ☐



SPL, Inc.

SPL Workorder No.

316790

Analysis Request & Chain of Custody Record

0907/601

page 10 of 10

Requested Analysis

TPH GRO 8015
BTEX 8021
TPH DRO 8015
Chloride 300

Client Name: Terra Tech, Inc.

Address: 1410 N. 8th Street

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: Greg.Pope@terratech.com

Project Name/No.: Conoco-Phillips / 115-964006

Site Name: East Hedges Junction

Site Location: Hedges, NM

Invoice To: Conoco Phillips

Ph: SAMPLE ID

DATE TIME comp grab

matrix bottle size pres.

W=water S=soil O=oil
SL=sludge X=other

P=plastic A=amber glass
G=glass V=vial X=other

1=1 liter 4=4oz 40=vial
8=8oz 16=16oz X=other

1=HC1 2=HNO3
3=H2SO4 X=other

Number of Containers

TPH GRO 8015

BTEX 8021

TPH DRO 8015

Chloride 300

Intact? Ice? Temp:

PM review (initial):

Client/Consultant Remarks: 1-Temp Per Cooler
Choose 1 Trip Blank per state and request
Analysis

Laboratory remarks:

Requested TAT

Contract 72hr

24hr Standard

48hr

Other

Special Reporting Requirements Results:

Standard QC Level 3 QC Level 4 QC TX TRRP LA RECAP

Relinquished by Sampler:

Relinquished by:

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



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

Conoco Phillips

Certificate of Analysis Number:

09101443

Report To: Tetra Tech Greg Pope 1910 N. Big Spring St Midland TX 79705- ph: (432) 682-4559 fax:	Project Name: COP East Hobbs Junction / 115964000 Site: Hobbs, NM Site Address: PO Number: 4511063196 State: New Mexico State Cert. No.: Date Reported: 11/10/2009
--	---

This Report Contains A Total Of 48 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

11/10/2009

Date



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

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:
09101443

Report To: Tetra Tech Greg Pope 1910 N. Big Spring St Midland TX 79705- ph: (432) 682-4559 fax:	Project Name: COP East Hobbs Junction / 115964000 Site: Hobbs, NM Site Address: PO Number: 4511063196 State: New Mexico State Cert. No.: Date Reported: 11/10/2009
--	---

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: ANALYSIS AND EXCEPTIONS:

SW8015B - Diesel Range Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted for Batch ID: 95178 and 95251. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

EPA300 - Ion Chromatography:

Sample ID "MW-4, MW-20 and MW-15" (SPL ID: 09101443-01, 20, 24) were randomly selected for use in SPL's quality control program for Batch ID: R288640, R288640A and R288640B. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits due to possible matrix interference. 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).

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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.

09101443 Page 1

11/12/2009

Erica Cardenas
Project Manager

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

Date



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

Conoco Phillips

Certificate of Analysis Number:

09101443

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX

79705-

ph: (432) 682-4559

fax: (432) 686-8085

Fax To:

Project Name: COP East Hobbs Junction / 115964000

Site: Hobbs, NM

Site Address:

PO Number: 4511063196

State: New Mexico

State Cert. No.:

Date Reported: 11/10/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
W-4	09101443-01	Water	10/28/2009 8:10:00 AM	10/29/2009 9:30:00 AM	301706	☐
W-5	09101443-02	Water	10/28/2009 8:23:00 AM	10/29/2009 9:30:00 AM	301706	☐
MW-26	09101443-03	Water	10/28/2009 8:35:00 AM	10/29/2009 9:30:00 AM	301706/301707	☐
MW-27	09101443-04	Water	10/28/2009 8:50:00 AM	10/29/2009 9:30:00 AM	301707	☐
W-23	09101443-05	Water	10/28/2009 9:10:00 AM	10/29/2009 9:30:00 AM	301707	☐
MW-22	09101443-06	Water	10/28/2009 9:23:00 AM	10/29/2009 9:30:00 AM	310710	☐
MW-13	09101443-07	Water	10/28/2009 9:33:00 AM	10/29/2009 9:30:00 AM	310710	☐
W-19	09101443-08	Water	10/28/2009 9:45:00 AM	10/29/2009 9:30:00 AM	310710/301711	☐
W-14	09101443-09	Water	10/28/2009 10:15:00 AM	10/29/2009 9:30:00 AM	301711	☐
MW-18	09101443-10	Water	10/28/2009 10:15:00 AM	10/29/2009 9:30:00 AM	301711	☐
MW-12	09101443-11	Water	10/28/2009 10:00:00 AM	10/29/2009 9:30:00 AM	301712	☐
up 2	09101443-12	Water	10/28/2009	10/29/2009 9:30:00 AM	301712	☐
SVE-10	09101443-13	Water	10/28/2009 10:55:00 AM	10/29/2009 9:30:00 AM	301712/301713	☐
MW-11	09101443-14	Water	10/28/2009 11:10:00 AM	10/29/2009 9:30:00 AM	301713	☐
W-6	09101443-15	Water	10/28/2009 11:30:00 AM	10/29/2009 9:30:00 AM	301713	☐
W-2	09101443-16	Water	10/28/2009 11:45:00 AM	10/29/2009 9:30:00 AM	301714	☐
MW-3	09101443-17	Water	10/28/2009 12:05:00 PM	10/29/2009 9:30:00 AM	301714	☐
W-21	09101443-18	Water	10/27/2009 1:15:00 PM	10/29/2009 9:30:00 AM	301715	☐
W-16	09101443-19	Water	10/27/2009 1:30:00 PM	10/29/2009 9:30:00 AM	301715	☐
MW-20	09101443-20	Water	10/27/2009 1:40:00 PM	10/29/2009 9:30:00 AM	301715/301716	☐
MW-25	09101443-21	Water	10/27/2009 1:55:00 PM	10/29/2009 9:30:00 AM	301716	☐
W-24	09101443-22	Water	10/28/2009 2:10:00 PM	10/29/2009 9:30:00 AM	301716	☐
up-1	09101443-23	Water	10/28/2009 12:01:00 AM	10/29/2009 9:30:00 AM	301717	☐
VW-15	09101443-24	Water	10/27/2009 2:35:00 PM	10/29/2009 9:30:00 AM	301717	☐

Edu Cardenas

11/10/2009

Edu Cardenas
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

Conoco Phillips

Certificate of Analysis Number:

09101443

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX

79705-

ph: (432) 682-4559

fax: (432) 686-8085

Fax To:

Project Name: COP East Hobbs Junction / 115964000

Site: Hobbs, NM

Site Address:

PO Number: 4511063196

State: New Mexico

State Cert. No.:

Date Reported: 11/10/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank 1	09101443-25	Water	10/28/2009 8:10:00 AM	10/29/2009 9:30:00 AM		☐
Trip Blank 2	09101443-26	Water	10/28/2009 8:10:00 AM	10/29/2009 9:30:00 AM		☐

11/10/2009

Erica Cardenas
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-2

Collected: 10/28/2009 11:45 SPL Sample ID: 09101443-16

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	2.6		0.05	1	11/04/09 3:07	NW	5281054
Surr: n-Pentacosane	90.8		% 10-185	1	11/04/09 3:07	NW	5281054

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	36		5	50	11/04/09 22:59	JSP	5277983
Surr: 1,4-Difluorobenzene	96.7		% 60-155	50	11/04/09 22:59	JSP	5277983
Surr: 4-Bromofluorobenzene	99.7		% 50-158	50	11/04/09 22:59	JSP	5277983

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	89.1		10	20	11/07/09 2:21	BDG	5281800

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	9800		100	100	11/02/09 21:35	E_S1	5273103
Toluene	820		100	100	11/02/09 21:35	E_S1	5273103
Ethylbenzene	420		100	100	11/02/09 21:35	E_S1	5273103
m,p-Xylene	700		100	100	11/02/09 21:35	E_S1	5273103
o-Xylene	230		100	100	11/02/09 21:35	E_S1	5273103
Xylenes, Total	930		100	100	11/02/09 21:35	E_S1	5273103
Surr: 1,4-Difluorobenzene	101		% 70-130	100	11/02/09 21:35	E_S1	5273103
Surr: 4-Bromofluorobenzene	105		% 70-130	100	11/02/09 21:35	E_S1	5273103

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: 10/28/2009 12:05 SPL Sample ID: 09101443-17

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	3.9		0.1	2	11/04/09 7:20	NW	5281061
Surr: n-Pentacosane	76.6	%	10-185	2	11/04/09 7:20	NW	5281061

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	22		2.5	25	11/04/09 23:27	JSP	5277984
Surr: 1,4-Difluorobenzene	98.9	%	60-155	25	11/04/09 23:27	JSP	5277984
Surr: 4-Bromofluorobenzene	98.3	%	50-158	25	11/04/09 23:27	JSP	5277984

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	43.2		10	20	11/07/09 2:38	BDG	5281801

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	6400		25	25	11/02/09 22:38	E_S1	5273105
Toluene	26		5	5	11/04/09 2:19	E_S1	5274627
Ethylbenzene	270		5	5	11/04/09 2:19	E_S1	5274627
m,p-Xylene	440		5	5	11/04/09 2:19	E_S1	5274627
o-Xylene	150		5	5	11/04/09 2:19	E_S1	5274627
Xylenes, Total	590		5	5	11/04/09 2:19	E_S1	5274627
Surr: 1,4-Difluorobenzene	99.2	%	70-130	25	11/02/09 22:38	E_S1	5273105
Surr: 1,4-Difluorobenzene	104	%	70-130	5	11/04/09 2:19	E_S1	5274627
Surr: 4-Bromofluorobenzene	105	%	70-130	25	11/02/09 22:38	E_S1	5273105
Surr: 4-Bromofluorobenzene	112	%	70-130	5	11/04/09 2:19	E_S1	5274627

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-4

Collected: 10/28/2009 8:10

SPL Sample ID: 09101443-01

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/03/09 19:13	NW	5281040
Surr: n-Pentacosane	72.6		% 10-185	1	11/03/09 19:13	NW	5281040

Prep Method	Prep Date	Prep Initials	Prep Factor
SWV3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/06/09 18:37	JSP	5281079
Surr: 1,4-Difluorobenzene	95.8		% 60-155	1	11/06/09 18:37	JSP	5281079
Surr: 4-Bromofluorobenzene	103		% 50-158	1	11/06/09 18:37	JSP	5281079

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	62.2		10	20	11/06/09 20:31	BDG	5281779

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	10/30/09 19:15	E_S1	5270599
Toluene	ND		1	1	10/30/09 19:15	E_S1	5270599
Ethylbenzene	ND		1	1	10/30/09 19:15	E_S1	5270599
m,p-Xylene	ND		1	1	10/30/09 19:15	E_S1	5270599
o-Xylene	ND		1	1	10/30/09 19:15	E_S1	5270599
Xylenes, Total	ND		1	1	10/30/09 19:15	E_S1	5270599
Surr: 1,4-Difluorobenzene	99.6		% 70-130	1	10/30/09 19:15	E_S1	5270599
Surr: 4-Bromofluorobenzene	101		% 70-130	1	10/30/09 19:15	E_S1	5270599

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-5

Collected: 10/28/2009 8:23

SPL Sample ID: 09101443-02

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.065		0.05	1	11/03/09 19:45	NW	5281041
Surr: n-Pentacosane	70.2		% 10-185	1	11/03/09 19:45	NW	5281041

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/06/09 19:05	JSP	5281080
Surr: 1,4-Difluorobenzene	98.8		% 60-155	1	11/06/09 19:05	JSP	5281080
Surr: 4-Bromofluorobenzene	106		% 50-158	1	11/06/09 19:05	JSP	5281080

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	40.9		10	20	11/06/09 21:55	BDG	5281784

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	10/30/09 19:47	E_S1	5270600
Toluene	ND		1	1	10/30/09 19:47	E_S1	5270600
Ethylbenzene	ND		1	1	10/30/09 19:47	E_S1	5270600
m,p-Xylene	ND		1	1	10/30/09 19:47	E_S1	5270600
o-Xylene	ND		1	1	10/30/09 19:47	E_S1	5270600
Xylenes, Total	ND		1	1	10/30/09 19:47	E_S1	5270600
Surr: 1,4-Difluorobenzene	99.2		% 70-130	1	10/30/09 19:47	E_S1	5270600
Surr: 4-Bromofluorobenzene	102		% 70-130	1	10/30/09 19:47	E_S1	5270600

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-6

Collected: 10/28/2009 11:30 SPL Sample ID: 09101443-15

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	5.1		0.1	2	11/04/09 6:48	NW	5281060
Surr: n-Pentacosane	121		% 10-185	2	11/04/09 6:48	NW	5281060

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	6.9		0.1	1	11/04/09 22:31	JSP	5277982
Surr: 1,4-Difluorobenzene	168 MI	*	% 60-155	1	11/04/09 22:31	JSP	5277982
Surr: 4-Bromofluorobenzene	136		% 50-158	1	11/04/09 22:31	JSP	5277982

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	163		10	20	11/07/09 2:04	BDG	5281799

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	200		1	1	11/02/09 21:03	E_S1	5273102
Toluene	130		1	1	11/02/09 21:03	E_S1	5273102
Ethylbenzene	290		1	1	11/02/09 21:03	E_S1	5273102
m,p-Xylene	210		1	1	11/02/09 21:03	E_S1	5273102
o-Xylene	100		1	1	11/02/09 21:03	E_S1	5273102
Xylenes, Total	310		1	1	11/02/09 21:03	E_S1	5273102
Surr: 1,4-Difluorobenzene	102		% 70-130	1	11/02/09 21:03	E_S1	5273102
Surr: 4-Bromofluorobenzene	112		% 70-130	1	11/02/09 21:03	E_S1	5273102

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-11

Collected: 10/28/2009 11:10 SPL Sample ID: 09101443-14

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	8.6		0.1	2	11/04/09 6:17	NW	5281059
Surr: n-Pentacosane	121		% 10-185	2	11/04/09 6:17	NW	5281059

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	29		2.5	25	11/04/09 22:03	JSP	5277981
Surr: 1,4-Difluorobenzene	109		% 60-155	25	11/04/09 22:03	JSP	5277981
Surr: 4-Bromofluorobenzene	108		% 50-158	25	11/04/09 22:03	JSP	5277981

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	303		10	20	11/07/09 1:48	BDG	5281798

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	5200		25	25	11/02/09 23:10	E_S1	5273106
Toluene	43		25	25	11/02/09 23:10	E_S1	5273106
Ethylbenzene	880		25	25	11/02/09 23:10	E_S1	5273106
m,p-Xylene	1800		25	25	11/02/09 23:10	E_S1	5273106
o-Xylene	610		25	25	11/02/09 23:10	E_S1	5273106
Xylenes, Total	2410		25	25	11/02/09 23:10	E_S1	5273106
Surr: 1,4-Difluorobenzene	105		% 70-130	25	11/02/09 23:10	E_S1	5273106
Surr: 4-Bromofluorobenzene	111		% 70-130	25	11/02/09 23:10	E_S1	5273106

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-12

Collected: 10/28/2009 10:00

SPL Sample ID: 09101443-11

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.42		0.05	1	11/04/09 1:33	NW	5281051
Surr: n-Pentacosane	74.4	%	10-185	1	11/04/09 1:33	NW	5281051

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	17		2	20	11/04/09 17:27	JSP	5277974
Surr: 1,4-Difluorobenzene	104	%	60-155	20	11/04/09 17:27	JSP	5277974
Surr: 4-Bromofluorobenzene	106	%	50-158	20	11/04/09 17:27	JSP	5277974

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	235		10	20	11/07/09 0:58	BDG	5281795

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4500		20	20	11/03/09 23:11	E_S1	5274622
Toluene	1.8		1	1	11/04/09 1:17	E_S1	5274625
Ethylbenzene	180		1	1	11/04/09 1:17	E_S1	5274625
m,p-Xylene	200		1	1	11/04/09 1:17	E_S1	5274625
o-Xylene	9.1		1	1	11/04/09 1:17	E_S1	5274625
Xylenes, Total	209.1		1	1	11/04/09 1:17	E_S1	5274625
Surr: 1,4-Difluorobenzene	99.9	%	70-130	20	11/03/09 23:11	E_S1	5274622
Surr: 1,4-Difluorobenzene	93.4	%	70-130	1	11/04/09 1:17	E_S1	5274625
Surr: 4-Bromofluorobenzene	106	%	70-130	20	11/03/09 23:11	E_S1	5274622
Surr: 4-Bromofluorobenzene	111	%	70-130	1	11/04/09 1:17	E_S1	5274625

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-13

Collected: 10/28/2009 9:33

SPL Sample ID: 09101443-07

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/03/09 22:23	NW	5281046
Surr: n-Pentacosane	69.6		% 10-185	1	11/03/09 22:23	NW	5281046

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 6:14	JSP	5281093
Surr: 1,4-Difluorobenzene	96.9		% 60-155	1	11/07/09 6:14	JSP	5281093
Surr: 4-Bromofluorobenzene	106		% 50-158	1	11/07/09 6:14	JSP	5281093

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	80.7		10	20	11/06/09 23:18	BDG	5281789

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/02/09 15:49	E_S1	5273093
Toluene	ND		1	1	11/02/09 15:49	E_S1	5273093
Ethylbenzene	ND		1	1	11/02/09 15:49	E_S1	5273093
m,p-Xylene	ND		1	1	11/02/09 15:49	E_S1	5273093
o-Xylene	ND		1	1	11/02/09 15:49	E_S1	5273093
Xylenes, Total	ND		1	1	11/02/09 15:49	E_S1	5273093
Surr: 1,4-Difluorobenzene	102		% 70-130	1	11/02/09 15:49	E_S1	5273093
Surr: 4-Bromofluorobenzene	104		% 70-130	1	11/02/09 15:49	E_S1	5273093

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-14

Collected: 10/28/2009 10:15

SPL Sample ID: 09101443-09

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.075		0.05	1	11/04/09 0:29	NW	5281049
Surr: n-Pentacosane	70.8		% 10-185	1	11/04/09 0:29	NW	5281049

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 6:42	JSP	5281094
Surr: 1,4-Difluorobenzene	97.2		% 60-155	1	11/07/09 6:42	JSP	5281094
Surr: 4-Bromofluorobenzene	101		% 50-158	1	11/07/09 6:42	JSP	5281094

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	256		10	20	11/06/09 23:51	BDG	5281791

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/02/09 16:51	E_S1	5273095
Toluene	ND		1	1	11/02/09 16:51	E_S1	5273095
Ethylbenzene	ND		1	1	11/02/09 16:51	E_S1	5273095
m,p-Xylene	ND		1	1	11/02/09 16:51	E_S1	5273095
o-Xylene	ND		1	1	11/02/09 16:51	E_S1	5273095
Xylenes, Total	ND		1	1	11/02/09 16:51	E_S1	5273095
Surr: 1,4-Difluorobenzene	98.0		% 70-130	1	11/02/09 16:51	E_S1	5273095
Surr: 4-Bromofluorobenzene	104		% 70-130	1	11/02/09 16:51	E_S1	5273095

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



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

Client Sample ID MW-15

Collected: 10/27/2009 14:35 SPL Sample ID: 09101443-24

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	8.5		0.1	2	11/03/09 14:28	NW	5281280
Surr: n-Pentacosane	84.2		% 10-185	2	11/03/09 14:28	NW	5281280

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/30/2009 15:08	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.16		0.1	1	11/07/09 9:28	JSP	5281099
Surr: 1,4-Difluorobenzene	102		% 60-155	1	11/07/09 9:28	JSP	5281099
Surr: 4-Bromofluorobenzene	110		% 50-158	1	11/07/09 9:28	JSP	5281099

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	218		10	20	11/07/09 5:41	BDG	5281812

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 21:36	E_S1	5274619
Toluene	ND		1	1	11/03/09 21:36	E_S1	5274619
Ethylbenzene	ND		1	1	11/03/09 21:36	E_S1	5274619
m,p-Xylene	ND		1	1	11/03/09 21:36	E_S1	5274619
o-Xylene	ND		1	1	11/03/09 21:36	E_S1	5274619
Xylenes, Total	ND		1	1	11/03/09 21:36	E_S1	5274619
Surr: 1,4-Difluorobenzene	98.1		% 70-130	1	11/03/09 21:36	E_S1	5274619
Surr: 4-Bromofluorobenzene	107		% 70-130	1	11/03/09 21:36	E_S1	5274619

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-16 Collected: 10/27/2009 13:30 SPL Sample ID: 09101443-19

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/04/09 4:10	NW	5281056
Surr: n-Pentacosane	78.2		% 10-185	1	11/04/09 4:10	NW	5281056

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/05/09 0:23	JSP	5277986
Surr: 1,4-Difluorobenzene	92.5		% 60-155	1	11/05/09 0:23	JSP	5277986
Surr: 4-Bromofluorobenzene	99.9		% 50-158	1	11/05/09 0:23	JSP	5277986

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	175		10	20	11/07/09 3:11	BDG	5281803

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 16:21	E_S1	5274610
Toluene	ND		1	1	11/03/09 16:21	E_S1	5274610
Ethylbenzene	ND		1	1	11/03/09 16:21	E_S1	5274610
m,p-Xylene	ND		1	1	11/03/09 16:21	E_S1	5274610
o-Xylene	ND		1	1	11/03/09 16:21	E_S1	5274610
Xylenes, Total	ND		1	1	11/03/09 16:21	E_S1	5274610
Surr: 1,4-Difluorobenzene	98.7		% 70-130	1	11/03/09 16:21	E_S1	5274610
Surr: 4-Bromofluorobenzene	106		% 70-130	1	11/03/09 16:21	E_S1	5274610

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



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

Client Sample ID MW-18

Collected: 10/28/2009 10:15 SPL Sample ID: 09101443-10

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.29		0.05	1	11/04/09 1:01	NW	5281050
Surr: n-Pentacosane	71.8		% 10-185	1	11/04/09 1:01	NW	5281050

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	12		2	20	11/04/09 17:00	JSP	5277973
Surr: 1,4-Difluorobenzene	100		% 60-155	20	11/04/09 17:00	JSP	5277973
Surr: 4-Bromofluorobenzene	101		% 50-158	20	11/04/09 17:00	JSP	5277973

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	261		10	20	11/07/09 0:08	BDG	5281792

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4500		20	20	11/02/09 17:54	E_S1	5273097
Toluene	ND		1	1	11/02/09 17:23	E_S1	5273096
Ethylbenzene	120		1	1	11/02/09 17:23	E_S1	5273096
m,p-Xylene	85		1	1	11/02/09 17:23	E_S1	5273096
o-Xylene	40		1	1	11/02/09 17:23	E_S1	5273096
Xylenes, Total	125		1	1	11/02/09 17:23	E_S1	5273096
Surr: 1,4-Difluorobenzene	100		% 70-130	20	11/02/09 17:54	E_S1	5273097
Surr: 1,4-Difluorobenzene	97.1		% 70-130	1	11/02/09 17:23	E_S1	5273096
Surr: 4-Bromofluorobenzene	104		% 70-130	20	11/02/09 17:54	E_S1	5273097
Surr: 4-Bromofluorobenzene	109		% 70-130	1	11/02/09 17:23	E_S1	5273096

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-19

Collected: 10/28/2009 9:45

SPL Sample ID: 09101443-08

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/03/09 23:58	NW	5281048
Surr: n-Pentacosane	65.8		% 10-185	1	11/03/09 23:58	NW	5281048

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 16:59	JSP	5280914
Surr: 1,4-Difluorobenzene	95.7		% 60-155	1	11/07/09 16:59	JSP	5280914
Surr: 4-Bromofluorobenzene	102		% 50-158	1	11/07/09 16:59	JSP	5280914

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	202		10	20	11/06/09 23:34	BDG	5281790

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/02/09 16:20	E_S1	5273094
Toluene	ND		1	1	11/02/09 16:20	E_S1	5273094
Ethylbenzene	ND		1	1	11/02/09 16:20	E_S1	5273094
m,p-Xylene	ND		1	1	11/02/09 16:20	E_S1	5273094
o-Xylene	ND		1	1	11/02/09 16:20	E_S1	5273094
Xylenes, Total	ND		1	1	11/02/09 16:20	E_S1	5273094
Surr: 1,4-Difluorobenzene	98.1		% 70-130	1	11/02/09 16:20	E_S1	5273094
Surr: 4-Bromofluorobenzene	104		% 70-130	1	11/02/09 16:20	E_S1	5273094

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-20

Collected: 10/27/2009 13:40 SPL Sample ID: 09101443-20

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.056		0.05	1	11/04/09 4:42	NW	5281057
Surr: n-Pentacosane	78.2		% 10-185	1	11/04/09 4:42	NW	5281057

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/05/09 0:50	JSP	5277987
Surr: 1,4-Difluorobenzene	97.2		% 60-155	1	11/05/09 0:50	JSP	5277987
Surr: 4-Bromofluorobenzene	105		% 50-158	1	11/05/09 0:50	JSP	5277987

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	194		10	20	11/07/09 3:28	BDG	5281804

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 16:53	E_S1	5274611
Toluene	ND		1	1	11/03/09 16:53	E_S1	5274611
Ethylbenzene	ND		1	1	11/03/09 16:53	E_S1	5274611
m,p-Xylene	ND		1	1	11/03/09 16:53	E_S1	5274611
o-Xylene	ND		1	1	11/03/09 16:53	E_S1	5274611
Xylenes, Total	ND		1	1	11/03/09 16:53	E_S1	5274611
Surr: 1,4-Difluorobenzene	100		% 70-130	1	11/03/09 16:53	E_S1	5274611
Surr: 4-Bromofluorobenzene	105		% 70-130	1	11/03/09 16:53	E_S1	5274611

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

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11/10/2009 3:30:33 PM



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

Client Sample ID MW-21

Collected: 10/27/2009 13:15 SPL Sample ID: 09101443-18

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/04/09 3:39	NW	5281055
Surr: n-Pentacosane	68.0		% 10-185	1	11/04/09 3:39	NW	5281055

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/04/09 23:55	JSP	5277985
Surr: 1,4-Difluorobenzene	94.7		% 60-155	1	11/04/09 23:55	JSP	5277985
Surr: 4-Bromofluorobenzene	102		% 50-158	1	11/04/09 23:55	JSP	5277985

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	1390		50	100	11/07/09 2:54	BDG	5281802

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 15:49	E_S1	5274609
Toluene	ND		1	1	11/03/09 15:49	E_S1	5274609
Ethylbenzene	ND		1	1	11/03/09 15:49	E_S1	5274609
m,p-Xylene	ND		1	1	11/03/09 15:49	E_S1	5274609
o-Xylene	ND		1	1	11/03/09 15:49	E_S1	5274609
Xylenes, Total	ND		1	1	11/03/09 15:49	E_S1	5274609
Surr: 1,4-Difluorobenzene	98.9		% 70-130	1	11/03/09 15:49	E_S1	5274609
Surr: 4-Bromofluorobenzene	106		% 70-130	1	11/03/09 15:49	E_S1	5274609

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



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

Client Sample ID MW-22

Collected: 10/28/2009 9:23

SPL Sample ID: 09101443-06

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	ND		0.05	1	11/03/09 21:51	NW	5281045
Surr: n-Pentacosane	69.8		% 10-185	1	11/03/09 21:51	NW	5281045

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	ND		0.1	1	11/07/09 5:46	JSP	5281092
Surr: 1,4-Difluorobenzene	91.6		% 60-155	1	11/07/09 5:46	JSP	5281092
Surr: 4-Bromofluorobenzene	98.9		% 50-158	1	11/07/09 5:46	JSP	5281092

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	97.1		10	20	11/06/09 23:01	BDG	5281788

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND		1	1	10/30/09 21:53	E_S1	5270604
Toluene	ND		1	1	10/30/09 21:53	E_S1	5270604
Ethylbenzene	ND		1	1	10/30/09 21:53	E_S1	5270604
m,p-Xylene	ND		1	1	10/30/09 21:53	E_S1	5270604
o-Xylene	ND		1	1	10/30/09 21:53	E_S1	5270604
Xylenes, Total	ND		1	1	10/30/09 21:53	E_S1	5270604
Surr: 1,4-Difluorobenzene	99.7		% 70-130	1	10/30/09 21:53	E_S1	5270604
Surr: 4-Bromofluorobenzene	101		% 70-130	1	10/30/09 21:53	E_S1	5270604

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-23

Collected: 10/28/2009 9:10

SPL Sample ID: 09101443-05

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/03/09 21:19	NW	5281044
Surr: n-Pentacosane	64.8		% 10-185	1	11/03/09 21:19	NW	5281044

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 5:18	JSP	5281091
Surr: 1,4-Difluorobenzene	97.5		% 60-155	1	11/07/09 5:18	JSP	5281091
Surr: 4-Bromofluorobenzene	105		% 50-158	1	11/07/09 5:18	JSP	5281091

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	71.6		10	20	11/06/09 22:44	BDG	5281787

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	10/30/09 21:21	E_S1	5270603
Toluene	ND		1	1	10/30/09 21:21	E_S1	5270603
Ethylbenzene	ND		1	1	10/30/09 21:21	E_S1	5270603
m,p-Xylene	ND		1	1	10/30/09 21:21	E_S1	5270603
o-Xylene	ND		1	1	10/30/09 21:21	E_S1	5270603
Xylenes, Total	ND		1	1	10/30/09 21:21	E_S1	5270603
Surr: 1,4-Difluorobenzene	99.7		% 70-130	1	10/30/09 21:21	E_S1	5270603
Surr: 4-Bromofluorobenzene	102		% 70-130	1	10/30/09 21:21	E_S1	5270603

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



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

Client Sample ID MW-24

Collected: 10/28/2009 14:10

SPL Sample ID: 09101443-22

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	0.53		0.05	1	11/02/09 17:27	NW	5281271
Surr: n-Pentacosane	91.8	%	10-185	1	11/02/09 17:27	NW	5281271

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/30/2009 15:08	A_G	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	0.81		0.1	1	11/07/09 7:09	JSP	5281095
Surr: 1,4-Difluorobenzene	118	%	60-155	1	11/07/09 7:09	JSP	5281095
Surr: 4-Bromofluorobenzene	107	%	50-158	1	11/07/09 7:09	JSP	5281095

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	400		10	20	11/07/09 5:07	BDG	5281810

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND		1	1	11/03/09 20:33	E_S1	5274617
Toluene	ND		1	1	11/03/09 20:33	E_S1	5274617
Ethylbenzene	6.8		1	1	11/03/09 20:33	E_S1	5274617
m,p-Xylene	1.5		1	1	11/03/09 20:33	E_S1	5274617
o-Xylene	ND		1	1	11/03/09 20:33	E_S1	5274617
Xylenes, Total	1.5		1	1	11/03/09 20:33	E_S1	5274617
Surr: 1,4-Difluorobenzene	99.1	%	70-130	1	11/03/09 20:33	E_S1	5274617
Surr: 4-Bromofluorobenzene	103	%	70-130	1	11/03/09 20:33	E_S1	5274617

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



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

Client Sample ID MW-25

Collected: 10/27/2009 13:55

SPL Sample ID: 09101443-21

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.34		0.05	1	11/02/09 16:55	NW	5281270
Surr: n-Pentacosane	95.0		% 10-185	1	11/02/09 16:55	NW	5281270

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/30/2009 15:08	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/05/09 1:17	JSP	5277988
Surr: 1,4-Difluorobenzene	95.8		% 60-155	1	11/05/09 1:17	JSP	5277988
Surr: 4-Bromofluorobenzene	102		% 50-158	1	11/05/09 1:17	JSP	5277988

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	203		10	20	11/07/09 4:51	BDG	5281809

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 17:24	E_S1	5274612
Toluene	ND		1	1	11/03/09 17:24	E_S1	5274612
Ethylbenzene	ND		1	1	11/03/09 17:24	E_S1	5274612
m,p-Xylene	ND		1	1	11/03/09 17:24	E_S1	5274612
o-Xylene	ND		1	1	11/03/09 17:24	E_S1	5274612
Xylenes, Total	ND		1	1	11/03/09 17:24	E_S1	5274612
Surr: 1,4-Difluorobenzene	99.8		% 70-130	1	11/03/09 17:24	E_S1	5274612
Surr: 4-Bromofluorobenzene	106		% 70-130	1	11/03/09 17:24	E_S1	5274612

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

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11/10/2009 3:30:34 PM



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

Client Sample ID MW-26

Collected: 10/28/2009 8:35

SPL Sample ID: 09101443-03

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	ND		0.05	1	11/03/09 20:16	NW	5281042
Surr: n-Pentacosane	72.4	%	10-185	1	11/03/09 20:16	NW	5281042

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	ND		0.1	1	11/06/09 19:33	JSP	5281081
Surr: 1,4-Difluorobenzene	96.1	%	60-155	1	11/06/09 19:33	JSP	5281081
Surr: 4-Bromofluorobenzene	103	%	50-158	1	11/06/09 19:33	JSP	5281081

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	147		10	20	11/06/09 22:11	BDG	5281785

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND		1	1	10/30/09 20:18	E_S1	5270601
Toluene	ND		1	1	10/30/09 20:18	E_S1	5270601
Ethylbenzene	ND		1	1	10/30/09 20:18	E_S1	5270601
m,p-Xylene	ND		1	1	10/30/09 20:18	E_S1	5270601
o-Xylene	ND		1	1	10/30/09 20:18	E_S1	5270601
Xylenes, Total	ND		1	1	10/30/09 20:18	E_S1	5270601
Surr: 1,4-Difluorobenzene	99.3	%	70-130	1	10/30/09 20:18	E_S1	5270601
Surr: 4-Bromofluorobenzene	102	%	70-130	1	10/30/09 20:18	E_S1	5270601

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



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

Client Sample ID MW-27

Collected: 10/28/2009 8:50

SPL Sample ID: 09101443-04

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	11/03/09 20:48	NW	5281043
Surr: n-Pentacosane	65.4		% 10-185	1	11/03/09 20:48	NW	5281043

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 4:50	JSP	5281090
Surr: 1,4-Difluorobenzene	93.5		% 60-155	1	11/07/09 4:50	JSP	5281090
Surr: 4-Bromofluorobenzene	102		% 50-158	1	11/07/09 4:50	JSP	5281090

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	160		10	20	11/06/09 22:28	BDG	5281786

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	19		1	1	10/30/09 20:50	E_S1	5270602
Toluene	1		1	1	10/30/09 20:50	E_S1	5270602
Ethylbenzene	ND		1	1	10/30/09 20:50	E_S1	5270602
m,p-Xylene	ND		1	1	10/30/09 20:50	E_S1	5270602
o-Xylene	ND		1	1	10/30/09 20:50	E_S1	5270602
Xylenes, Total	ND		1	1	10/30/09 20:50	E_S1	5270602
Surr: 1,4-Difluorobenzene	100		% 70-130	1	10/30/09 20:50	E_S1	5270602
Surr: 4-Bromofluorobenzene	101		% 70-130	1	10/30/09 20:50	E_S1	5270602

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



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

Client Sample ID SVE-10

Collected: 10/28/2009 10:55 SPL Sample ID: 09101443-13

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.34		0.05	1	11/04/09 2:36	NW	5281053
Surr: n-Pentacosane	74.8		% 10-185	1	11/04/09 2:36	NW	5281053

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.56		0.1	1	11/04/09 19:18	JSP	5277976
Surr: 1,4-Difluorobenzene	98.8		% 60-155	1	11/04/09 19:18	JSP	5277976
Surr: 4-Bromofluorobenzene	101		% 50-158	1	11/04/09 19:18	JSP	5277976

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	340		10	20	11/07/09 1:31	BDG	5281797

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 15:18	E_S1	5274608
Toluene	ND		1	1	11/03/09 15:18	E_S1	5274608
Ethylbenzene	ND		1	1	11/03/09 15:18	E_S1	5274608
m,p-Xylene	ND		1	1	11/03/09 15:18	E_S1	5274608
o-Xylene	ND		1	1	11/03/09 15:18	E_S1	5274608
Xylenes, Total	ND		1	1	11/03/09 15:18	E_S1	5274608
Surr: 1,4-Difluorobenzene	98.7		% 70-130	1	11/03/09 15:18	E_S1	5274608
Surr: 4-Bromofluorobenzene	104		% 70-130	1	11/03/09 15:18	E_S1	5274608

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



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

Client Sample ID Dup-1

Collected: 10/28/2009 0:01

SPL Sample ID: 09101443-23

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.47		0.05	1	11/02/09 17:58	NW	5281272
Surr: n-Pentacosane	71.0		% 10-185	1	11/02/09 17:58	NW	5281272

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/30/2009 15:08	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.76		0.1	1	11/07/09 7:37	JSP	5281096
Surr: 1,4-Difluorobenzene	108		% 60-155	1	11/07/09 7:37	JSP	5281096
Surr: 4-Bromofluorobenzene	98.3		% 50-158	1	11/07/09 7:37	JSP	5281096

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	400		10	20	11/07/09 5:24	BDG	5281811

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 21:05	E_S1	5274618
Toluene	ND		1	1	11/03/09 21:05	E_S1	5274618
Ethylbenzene	14		1	1	11/03/09 21:05	E_S1	5274618
m,p-Xylene	2.3		1	1	11/03/09 21:05	E_S1	5274618
o-Xylene	ND		1	1	11/03/09 21:05	E_S1	5274618
Xylenes, Total	2.3		1	1	11/03/09 21:05	E_S1	5274618
Surr: 1,4-Difluorobenzene	94.9		% 70-130	1	11/03/09 21:05	E_S1	5274618
Surr: 4-Bromofluorobenzene	103		% 70-130	1	11/03/09 21:05	E_S1	5274618

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 Dup 2

Collected: 10/28/2009 0:00

SPL Sample ID: 09101443-12

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.47		0.05	1	11/04/09 2:04	NW	5281052
Surr: n-Pentacosane	77.8		% 10-185	1	11/04/09 2:04	NW	5281052

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	11/02/2009 17:21	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	18		1	10	11/04/09 18:45	JSP	5277975
Surr: 1,4-Difluorobenzene	104		% 60-155	10	11/04/09 18:45	JSP	5277975
Surr: 4-Bromofluorobenzene	102		% 50-158	10	11/04/09 18:45	JSP	5277975

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	233		10	20	11/07/09 1:14	BDG	5281796

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4300		10	10	11/02/09 23:41	E_S1	5273107
Toluene	2.5		1	1	11/04/09 1:48	E_S1	5274626
Ethylbenzene	210		1	1	11/04/09 1:48	E_S1	5274626
m,p-Xylene	240		1	1	11/04/09 1:48	E_S1	5274626
o-Xylene	20		1	1	11/04/09 1:48	E_S1	5274626
Xylenes, Total	260		1	1	11/04/09 1:48	E_S1	5274626
Surr: 1,4-Difluorobenzene	101		% 70-130	10	11/02/09 23:41	E_S1	5273107
Surr: 1,4-Difluorobenzene	108		% 70-130	1	11/04/09 1:48	E_S1	5274626
Surr: 4-Bromofluorobenzene	107		% 70-130	10	11/02/09 23:41	E_S1	5273107
Surr: 4-Bromofluorobenzene	110		% 70-130	1	11/04/09 1:48	E_S1	5274626

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 Trip Blank 1

Collected: 10/28/2009 8:10

SPL Sample ID: 09101443-25

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 3:55	JSP	5281088
Surr: 1,4-Difluorobenzene	93.3		% 60-155	1	11/07/09 3:55	JSP	5281088
Surr: 4-Bromofluorobenzene	101		% 50-158	1	11/07/09 3:55	JSP	5281088
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 11:22	E_S1	5273111
Toluene	ND		1	1	11/03/09 11:22	E_S1	5273111
Ethylbenzene	ND		1	1	11/03/09 11:22	E_S1	5273111
m,p-Xylene	ND		1	1	11/03/09 11:22	E_S1	5273111
o-Xylene	ND		1	1	11/03/09 11:22	E_S1	5273111
Xylenes, Total	ND		1	1	11/03/09 11:22	E_S1	5273111
Surr: 1,4-Difluorobenzene	99.1		% 70-130	1	11/03/09 11:22	E_S1	5273111
Surr: 4-Bromofluorobenzene	105		% 70-130	1	11/03/09 11:22	E_S1	5273111

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 Trip Blank 2

Collected: 10/28/2009 8:10

SPL Sample ID: 09101443-26

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	11/07/09 4:23	JSP	5281089
Surr: 1,4-Difluorobenzene	98.9		% 60-155	1	11/07/09 4:23	JSP	5281089
Surr: 4-Bromofluorobenzene	106		% 50-158	1	11/07/09 4:23	JSP	5281089
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	11/03/09 11:53	E_S1	5273112
Toluene	ND		1	1	11/03/09 11:53	E_S1	5273112
Ethylbenzene	ND		1	1	11/03/09 11:53	E_S1	5273112
m,p-Xylene	ND		1	1	11/03/09 11:53	E_S1	5273112
o-Xylene	ND		1	1	11/03/09 11:53	E_S1	5273112
Xylenes, Total	ND		1	1	11/03/09 11:53	E_S1	5273112
Surr: 1,4-Difluorobenzene	98.4		% 70-130	1	11/03/09 11:53	E_S1	5273112
Surr: 4-Bromofluorobenzene	106		% 70-130	1	11/03/09 11:53	E_S1	5273112

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



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: 95178

Method Blank

Samples in Analytical Batch:

RunID: HP_Z_091108A-5281263 Units: mg/L
Analysis Date: 11/02/2009 13:16 Analyst: NW
Preparation Date: 10/30/2009 15:08 Prep By: A_G Method SW3510C

Lab Sample ID	Client Sample ID
09101443-21B	MW-25
09101443-22B	MW-24
09101443-23B	Dup-1
09101443-24B	MW-15

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	116.8	10-185

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_Z_091108A-5281264 Units: mg/L
Analysis Date: 11/02/2009 13:47 Analyst: NW
Preparation Date: 10/30/2009 15:08 Prep By: A_G Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics	2.00	1.42	71.0	2.00	1.48	73.9	4.1	43	21	175
Surr: n-Pentacosane	0.0500	0.0747	149	0.0500	0.0738	148	1.2	43	10	185

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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11/10/2009 3:30:43 PM



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: 95251

Method Blank

RunID: HP_Z_091106A-5281039 Units: mg/L
Analysis Date: 11/03/2009 17:38 Analyst: NW
Preparation Date: 11/02/2009 17:21 Prep By: N_M Method SW3510C

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	115.6	10-185

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-01B	MW-4
09101443-02B	MW-5
09101443-03B	MW-26
09101443-04B	MW-27
09101443-05B	MW-23
09101443-06B	MW-22
09101443-07B	MW-13
09101443-08B	MW-19
09101443-09B	MW-14
09101443-10B	MW-18
09101443-11B	MW-12
09101443-12B	Dup 2
09101443-13B	SVE-10
09101443-14B	MW-11
09101443-15B	MW-6
09101443-16B	MW-2
09101443-17B	MW-3
09101443-18B	MW-21
09101443-19B	MW-16
09101443-20B	MW-20

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_Z_091106A-5281016 Units: mg/L
Analysis Date: 11/03/2009 18:10 Analyst: NW
Preparation Date: 11/02/2009 17:21 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics	2.00	1.44	71.8	2.00	1.48	74.1	3.1	43	21	175
Surr: n-Pentacosane	0.0500	0.0749	150	0.0500	0.0723	145	3.5	43	10	185

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09101443
Lab Batch ID: R287976

Method Blank

RunID: VARE_091030A-5270590 Units: ug/L
Analysis Date: 10/30/2009 12:02 Analyst: E_S1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-01A	MW-4
09101443-02A	MW-5
09101443-03A	MW-26
09101443-04A	MW-27
09101443-05A	MW-23
09101443-06A	MW-22

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	96.8	70-130
Surr: 4-Bromofluorobenzene	105.0	70-130

Laboratory Control Sample (LCS)

RunID: VARE_091030A-5270589 Units: ug/L
Analysis Date: 10/30/2009 10:59 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.3	91.3	70	130
Ethylbenzene	20.0	20.6	103	70	130
Toluene	20.0	19.4	96.9	70	130
m,p-Xylene	40.0	40.6	102	70	130
o-Xylene	20.0	20.7	103	70	130
Xylenes, Total	60.0	61.3	102	70	130
Surr: 1,4-Difluorobenzene	100	97.5	97.5	70	130
Surr: 4-Bromofluorobenzene	100	108	108	70	130

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

Sample Spiked: 09101430-01
RunID: VARE_091030A-5270595 Units: ug/L
Analysis Date: 10/30/2009 15:54 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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.



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09101443
Lab Batch ID: R287976

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	1550	200	1950	N/C	200	1900	N/C	N/C	31	66	141
Ethylbenzene	ND	200	204	101	200	200	98.4	2.09	28	52	136
Toluene	393	200	529	68.0	200	516	61.4	2.54	25	61	131
m,p-Xylene	ND	400	403	98.6	400	394	96.4	2.22	36	60	130
o-Xylene	ND	200	206	100	200	203	98.6	1.59	30	64	130
Xylenes, Total	14.5	600	609	99.1	600	597	97.1	2.00	36	60	130
Surr: 1,4-Difluorobenzene	ND	1000	1020	102	1000	1010	101	1.07	30	70	130
Surr: 4-Bromofluorobenzene	ND	1000	1040	104	1000	1030	103	1.09	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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.



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09101443
Lab Batch ID: R288118

Method Blank

RunID: VARE_091102A-5273092 Units: ug/L
Analysis Date: 11/02/2009 14:44 Analyst: E_S1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	98.5	70-130
Surr: 4-Bromofluorobenzene	105.3	70-130

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-07A	MW-13
09101443-08A	MW-19
09101443-09A	MW-14
09101443-10A	MW-18
09101443-12A	Dup 2
09101443-14A	MW-11
09101443-15A	MW-6
09101443-16A	MW-2
09101443-17A	MW-3
09101443-25A	Trip Blank 1
09101443-26A	Trip Blank 2

Laboratory Control Sample (LCS)

RunID: VARE_091102A-5273091 Units: ug/L
Analysis Date: 11/02/2009 13:41 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	15.9	79.7	70	130
Ethylbenzene	20.0	18.6	92.9	70	130
Toluene	20.0	17.2	85.8	70	130
m,p-Xylene	40.0	36.5	91.3	70	130
o-Xylene	20.0	18.7	93.3	70	130
Xylenes, Total	60.0	55.2	92.0	70	130
Surr: 1,4-Difluorobenzene	100	101	101	70	130
Surr: 4-Bromofluorobenzene	100	107	107	70	130

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

Sample Spiked: 09101443-10
RunID: VARE_091102A-5273098 Units: ug/L
Analysis Date: 11/02/2009 18:26 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09101443
Lab Batch ID: R288118

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	2600	400	5010	N/C	400	4740	N/C	N/C	31	66	141
Ethylbenzene	115	400	541	107	400	514	99.6	5.23	28	52	136
Toluene	ND	400	398	99.5	400	375	93.7	6.03	25	61	131
m,p-Xylene	85.3	800	920	104	800	863	97.2	6.44	36	60	130
o-Xylene	39.7	400	464	106	400	442	100	4.92	30	64	130
Xylenes, Total	125.0	1200	1384	104.9	1200	1305	98.29	5.927	36	60	130
Surr: 1,4-Difluorobenzene	ND	2000	2020	101	2000	1980	99.2	1.57	30	70	130
Surr: 4-Bromofluorobenzene	ND	2000	2140	107	2000	2130	106	0.643	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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.



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09101443
Lab Batch ID: R288206

Method Blank

RunID: VARE_091103A-5274607 Units: ug/L
Analysis Date: 11/03/2009 14:16 Analyst: E_S1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	98.0	70-130
Surr: 4-Bromofluorobenzene	105.8	70-130

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-11A	MW-12
09101443-12A	Dup 2
09101443-13A	SVE-10
09101443-17A	MW-3
09101443-18A	MW-21
09101443-19A	MW-16
09101443-20A	MW-20
09101443-21A	MW-25
09101443-22A	MW-24
09101443-23A	Dup-1
09101443-24A	MW-15

Laboratory Control Sample (LCS)

RunID: VARE_091103A-5274604 Units: ug/L
Analysis Date: 11/03/2009 13:13 Analyst: E_S1

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.4	102	70	130
Ethylbenzene	20.0	20.9	105	70	130
Toluene	20.0	20.4	102	70	130
m,p-Xylene	40.0	41.1	103	70	130
o-Xylene	20.0	20.8	104	70	130
Xylenes, Total	60.0	61.9	103	70	130
Surr: 1,4-Difluorobenzene	100	99.8	99.8	70	130
Surr: 4-Bromofluorobenzene	100	107	107	70	130

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

Sample Spiked: 09101443-21
RunID: VARE_091103A-5274613 Units: ug/L
Analysis Date: 11/03/2009 17:56 Analyst: E_S1

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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.



Quality Control Report

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

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Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 09101443
Lab Batch ID: R288206

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	21.0	105	20	19.9	99.3	5.38	31	66	141
Ethylbenzene	ND	20	20.9	104	20	20.1	100	3.69	28	52	136
Toluene	ND	20	20.6	103	20	19.7	98.7	4.24	25	61	131
m,p-Xylene	ND	40	40.8	102	40	39.4	98.6	3.34	36	60	130
o-Xylene	ND	20	20.6	103	20	19.8	99.1	3.94	30	64	130
Xylenes, Total	ND	60	61.4	102	60	59.2	98.7	3.54	36	60	130
Surr: 1,4-Difluorobenzene	ND	100	99.6	99.6	100	99.3	99.3	0.259	30	70	130
Surr: 4-Bromofluorobenzene	ND	100	107	107	100	108	108	1.26	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: R288417

Method Blank

RunID: VARD_091104A-5277972 Units: mg/L
Analysis Date: 11/04/2009 16:32 Analyst: JSP

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	95.8	60-155
Surr: 4-Bromofluorobenzene	102.5	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-10A	MW-18
09101443-11A	MW-12
09101443-12A	Dup 2
09101443-13A	SVE-10
09101443-14A	MW-11
09101443-15A	MW-6
09101443-16A	MW-2
09101443-17A	MW-3
09101443-18A	MW-21
09101443-19A	MW-16
09101443-20A	MW-20
09101443-21A	MW-25

Laboratory Control Sample (LCS)

RunID: VARD_091104A-5277970 Units: mg/L
Analysis Date: 11/04/2009 15:37 Analyst: JSP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.946	94.6	42	136
Surr: 1,4-Difluorobenzene	0.100	0.101	101	60	155
Surr: 4-Bromofluorobenzene	0.100	0.105	105	50	158

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

Sample Spiked: 09101443-13
RunID: VARD_091104A-5277977 Units: mg/L
Analysis Date: 11/04/2009 19:45 Analyst: JSP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	0.558	1	0.845	28.7	1	0.983	42.5	15.1	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.1	0.103	103	0.1	0.103	103	0.0968	30	60	155

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: R288417

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

Sample Spiked: 09101443-13
RunID: VARD_091104A-5277977 Units: mg/L
Analysis Date: 11/04/2009 19:45 Analyst: JSP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: 4-Bromofluorobenzene	ND	0.1	0.109	109	0.1	0.107	107	2.13	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: R288594

Method Blank

Samples in Analytical Batch:

RunID: VARD_091107A-5280909 Units: mg/L
Analysis Date: 11/07/2009 14:31 Analyst: JSP

Lab Sample ID Client Sample ID
09101443-08A MW-19

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	89.6	60-155
Surr: 4-Bromofluorobenzene	96.7	50-158

Laboratory Control Sample (LCS)

RunID: VARD_091107A-5280907 Units: mg/L
Analysis Date: 11/07/2009 13:36 Analyst: JSP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.900	90.0	42	136
Surr: 1,4-Difluorobenzene	0.100	0.086	86.0	60	155
Surr: 4-Bromofluorobenzene	0.100	0.0897	89.7	50	158

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

Sample Spiked: 09110208-18
RunID: VARD_091107A-5280922 Units: mg/L
Analysis Date: 11/07/2009 19:28 Analyst: JSP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.959	95.9	1	1.11	111	14.8	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.1	0.101	101	0.1	0.103	103	2.06	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.107	107	0.1	0.110	110	2.75	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: R288599

Method Blank

RunID: VARD_091106A-5281078 Units: mg/L
Analysis Date: 11/06/2009 18:10 Analyst: JSP

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	95.3	60-155
Surr: 4-Bromofluorobenzene	102.3	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-01A	MW-4
09101443-02A	MW-5
09101443-03A	MW-26
09101443-04A	MW-27
09101443-05A	MW-23
09101443-06A	MW-22
09101443-07A	MW-13
09101443-09A	MW-14
09101443-22A	MW-24
09101443-23A	Dup-1
09101443-24A	MW-15
09101443-25A	Trip Blank 1
09101443-26A	Trip Blank 2

Laboratory Control Sample (LCS)

RunID: VARD_091106A-5281076 Units: mg/L
Analysis Date: 11/06/2009 17:14 Analyst: JSP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	1.06	106	42	136
Surr: 1,4-Difluorobenzene	0.100	0.105	105	60	155
Surr: 4-Bromofluorobenzene	0.100	0.111	111	50	158

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

Sample Spiked: 09101443-02
RunID: VARD_091106A-5281084 Units: mg/L
Analysis Date: 11/07/2009 1:37 Analyst: JSP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	1.31	125	1	1.18	112	10.5	36	22	174

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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.



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 09101443
Lab Batch ID: R288599

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

Sample Spiked: 09101443-02
RunID: VARD_091106A-5281084 Units: mg/L
Analysis Date: 11/07/2009 1:37 Analyst: JSP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: 1,4-Difluorobenzene	ND	0.1	0.11	110	0.1	0.106	106	3.81	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.117	117	0.1	0.109	109	6.46	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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11/10/2009 3:30:45 PM



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09101443
Lab Batch ID: R288640

Method Blank

RunID: IC1_091106B-5281768 Units: mg/L
Analysis Date: 11/06/2009 10:32 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-01C	MW-4
09101443-02C	MW-5
09101443-03C	MW-26
09101443-04C	MW-27
09101443-05C	MW-23
09101443-06C	MW-22
09101443-07C	MW-13
09101443-08C	MW-19
09101443-09C	MW-14

Laboratory Control Sample (LCS)

RunID: IC1_091106B-5281769 Units: mg/L
Analysis Date: 11/06/2009 10:49 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.476	94.76	85	115

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

Sample Spiked: 09101443-01
RunID: IC1_091106B-5281780 Units: mg/L
Analysis Date: 11/06/2009 20:48 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	62.24	200	323.2	130.5 *	200	302.8	120.3 *	6.517	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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.



Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09101443
Lab Batch ID: R288640A

Method Blank

RunID: IC1_091106B-5281768 Units: mg/L
Analysis Date: 11/06/2009 10:32 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-10C	MW-18
09101443-11C	MW-12
09101443-12C	Dup 2
09101443-13C	SVE-10
09101443-14C	MW-11
09101443-15C	MW-6
09101443-16C	MW-2
09101443-17C	MW-3
09101443-18C	MW-21
09101443-20C	MW-20

Laboratory Control Sample (LCS)

RunID: IC1_091106B-5281769 Units: mg/L
Analysis Date: 11/06/2009 10:49 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.476	94.76	85	115

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

Sample Spiked: 09101443-20
RunID: IC1_091106B-5281807 Units: mg/L
Analysis Date: 11/07/2009 4:17 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	193.7	200	436.2	121.2 *	200	462.4	134.3 *	5.838	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips

COP East Hobbs Junction / 1159640006

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09101443
Lab Batch ID: R288640B

Method Blank

RunID: IC1_091106B-5281815 Units: mg/L
Analysis Date: 11/07/2009 6:31 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09101443-19C	MW-16
09101443-21C	MW-25
09101443-22C	MW-24
09101443-23C	Dup-1
09101443-24C	MW-15

Analyte	Result	Rep Limit
Chloride	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_091106B-5281816 Units: mg/L
Analysis Date: 11/07/2009 6:47 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.581	95.81	85	115

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

Sample Spiked: 09101443-24
RunID: IC1_091106B-5281813 Units: mg/L
Analysis Date: 11/07/2009 5:57 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	217.9	200	473.1	127.6 *	200	507.5	144.8 *	7.023	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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*Sample Receipt Checklist
And
Chain of Custody*



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

Sample Receipt Checklist

Workorder: 09101443

Received By: AMV

Date and Time Received: 10/29/2009 9:30:00 AM

Carrier name: Fedex-Standard Overnight

Temperature: 5.0/3.2/1.4°C

Chilled by: Water Ice

- | | | | |
|--|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?
869966309752-5.0c/ 869966309744-3.2c/ 869966309763c | Yes ☒ | No ☐ | Not Present ☐ |
| 2. Custody seals intact on shipping 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:



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

Conoco Phillips

Certificate of Analysis Number:

10010953

<u>Report To:</u> Tetra Tech Greg Pope 1910 N. Big Spring St Midland TX 79705- ph: (432) 682-4559 fax:	<u>Project Name:</u> COP East Hobbs Junction <u>Site:</u> Hobbs, NM <u>Site Address:</u> <u>PO Number:</u> 4511063196 <u>State:</u> New Mexico <u>State Cert. No.:</u> <u>Date Reported:</u> 2/11/2010
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This Report Contains A Total Of 48 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

2/11/2010

Date



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

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:
10010953

Report To: Tetra Tech Greg Pope 1910 N. Big Spring St Midland TX 79705- ph: (432) 682-4559 fax:	Project Name: COP East Hobbs Junction Site: Hobbs, NM Site Address: PO Number: 4511063196 State: New Mexico State Cert. No.: Date Reported: 2/11/2010
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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: ANALYSIS 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.

SW8015B - Diesel Range Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted for Batch ID: 97521/97524. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

EPA300.0- Ion Chromatography:

Sample ID "MW-27" (SPL ID: 10010953-01) was randomly selected for use in SPL's quality control program for Batch ID: R294670. The Matrix Spike Duplicate (MSD) recovery was outside of the advisory quality control limits due to possible matrix interference for Chloride. 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:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

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

10010953 Page 1

2/11/2010

Erica Cardenas
Project Manager

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

Date



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

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:

10010953

Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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.

Erica Cardenas
Project Manager

10010953 Page 2

2/11/2010

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:

10010953

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX

79705-

ph: (432) 682-4559

fax: (432) 686-8085

Project Name: COP East Hobbs Junction

Site: Hobbs, NM

Site Address:

PO Number: 4511063196

State: New Mexico

State Cert. No.:

Date Reported: 2/11/2010

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-27	10010953-01	Water	1/27/2010 8:15:00 AM	1/28/2010 9:30:00 AM	291683	☐
MW-23	10010953-02	Water	1/27/2010 8:35:00 AM	1/28/2010 9:30:00 AM	291683	☐
MW-22	10010953-03	Water	1/27/2010 8:50:00 AM	1/28/2010 9:30:00 AM	291683	☐
MW-22	10010953-03	Water	1/27/2010 8:50:00 AM	1/28/2010 9:30:00 AM	291697	☐
MW-13	10010953-04	Water	1/27/2010 9:05:00 AM	1/28/2010 9:30:00 AM	291697	☐
MW-19	10010953-05	Water	1/27/2010 9:20:00 AM	1/28/2010 9:30:00 AM	291697	☐
MW-14	10010953-06	Water	1/27/2010 9:35:00 AM	1/28/2010 9:30:00 AM	291685	☐
MW-18	10010953-07	Water	1/27/2010 9:45:00 AM	1/28/2010 9:30:00 AM	291685	☐
MW-12	10010953-08	Water	1/27/2010 10:05:00 AM	1/28/2010 9:30:00 AM	291685	☐
MW-12	10010953-08	Water	1/27/2010 10:05:00 AM	1/28/2010 9:30:00 AM	291686	☐
DUP-3	10010953-09	Water	1/27/2010 3:33:00 PM	1/28/2010 9:30:00 AM	291686	☐
SVE-10	10010953-10	Water	1/27/2010 10:20:00 AM	1/28/2010 9:30:00 AM	291686	☐
MW-11	10010953-11	Water	1/27/2010 10:35:00 AM	1/28/2010 9:30:00 AM	291687	☐
MW-6	10010953-12	Water	1/27/2010 10:45:00 AM	1/28/2010 9:30:00 AM	291687	☐
MW-2	10010953-13	Water	1/27/2010 11:00:00 AM	1/28/2010 9:30:00 AM	291687	☐
MW-2	10010953-13	Water	1/27/2010 11:00:00 AM	1/28/2010 9:30:00 AM	291688	☐
MW-3	10010953-14	Water	1/27/2010 11:20:00 AM	1/28/2010 9:30:00 AM	291688	☐
MW-21	10010953-15	Water	1/26/2010 10:40:00 AM	1/28/2010 9:30:00 AM	291688	☐
MW-16	10010953-16	Water	1/26/2010 11:00:00 AM	1/28/2010 9:30:00 AM	291689	☐
MW-20	10010953-17	Water	1/26/2010 11:15:00 AM	1/28/2010 9:30:00 AM	291689	☐
MW-25	10010953-18	Water	1/26/2010 11:25:00 AM	1/28/2010 9:30:00 AM	291689	☐
MW-25	10010953-18	Water	1/26/2010 11:25:00 AM	1/28/2010 9:30:00 AM	291690	☐
MW-24	10010953-19	Water	1/26/2010 11:40:00 AM	1/28/2010 9:30:00 AM	291690	☐
MW-15	10010953-20	Water	1/26/2010 12:00:00 PM	1/28/2010 9:30:00 AM	291690	☐

2/11/2010

Erica Cardenas
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-2

Collected: 01/27/2010 11:00

SPL Sample ID: 10010953-13

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Diesel Range Organics	2.2		0.05	1	02/03/10 19:47	NW	5393224
Surr: n-Pentacosane	98.4	%	10-185	1	02/03/10 19:47	NW	5393224

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	0.71		0.1	1	02/02/10 4:27	R_S	5385103
Surr: 1,4-Difluorobenzene	114	%	60-155	1	02/02/10 4:27	R_S	5385103
Surr: 4-Bromofluorobenzene	99.3	%	50-158	1	02/02/10 4:27	R_S	5385103

ION CHROMATOGRAPHY			MCL	E300.0	Units: mg/L		
Chloride	67.2		5	10	01/29/10 20:07	BDG	5383136

PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	1.3		1	1	02/02/10 4:27	R_S	5385171
Toluene	1.1		1	1	02/02/10 4:27	R_S	5385171
Ethylbenzene	11		1	1	02/02/10 4:27	R_S	5385171
m,p-Xylene	1.1		1	1	02/02/10 4:27	R_S	5385171
o-Xylene	ND		1	1	02/02/10 4:27	R_S	5385171
Xylenes, Total	1.1		1	1	02/02/10 4:27	R_S	5385171
Surr: 1,4-Difluorobenzene	97.9	%	70-130	1	02/02/10 4:27	R_S	5385171
Surr: 4-Bromofluorobenzene	93.7	%	70-130	1	02/02/10 4:27	R_S	5385171

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: 01/27/2010 11:20

SPL Sample ID: 10010953-14

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	2.6		0.05	1	02/03/10 20:26	NW	5393225
Surr: n-Pentacosane	98.0		% 10-185	1	02/03/10 20:26	NW	5393225

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	48		25	250	02/02/10 9:38	R_S	5385111
Surr: 1,4-Difluorobenzene	98.1		% 60-155	250	02/02/10 9:38	R_S	5385111
Surr: 4-Bromofluorobenzene	93.3		% 50-158	250	02/02/10 9:38	R_S	5385111

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	38.2		5	10	01/29/10 20:18	BDG	5383137

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	7700		250	250	02/02/10 9:38	R_S	5385179
Toluene	22		1	1	02/03/10 7:40	R_S	5386542
Ethylbenzene	310		250	250	02/02/10 9:38	R_S	5385179
m,p-Xylene	280		1	1	02/04/10 1:57	R_S	5388413
o-Xylene	100		1	1	02/04/10 1:57	R_S	5388413
Xylenes, Total	380		1	1	02/04/10 1:57	R_S	5388413
Surr: 1,4-Difluorobenzene	138 MI	*	% 70-130	1	02/04/10 1:57	R_S	5388413
Surr: 1,4-Difluorobenzene	165 MI	*	% 70-130	1	02/03/10 7:40	R_S	5386542
Surr: 1,4-Difluorobenzene	95.2		% 70-130	250	02/02/10 9:38	R_S	5385179
Surr: 4-Bromofluorobenzene	89.4		% 70-130	1	02/04/10 1:57	R_S	5388413
Surr: 4-Bromofluorobenzene	111		% 70-130	1	02/03/10 7:40	R_S	5386542
Surr: 4-Bromofluorobenzene	94.4		% 70-130	250	02/02/10 9:38	R_S	5385179

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-4

Collected: 01/26/2010 14:00 SPL Sample ID: 10010953-21

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.17		0.05	1	02/02/10 21:31	NW	5388326
Surr: n-Pentacosane	86.6		% 10-185	1	02/02/10 21:31	NW	5388326

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 15:38	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/03/10 0:25	R_S	5386554
Surr: 1,4-Difluorobenzene	91.6		% 60-155	1	02/03/10 0:25	R_S	5386554
Surr: 4-Bromofluorobenzene	91.9		% 50-158	1	02/03/10 0:25	R_S	5386554

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	52.6		5	10	01/29/10 21:57	BDG	5383144

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/03/10 0:25	R_S	5386533
Toluene	ND		1	1	02/03/10 0:25	R_S	5386533
Ethylbenzene	ND		1	1	02/03/10 0:25	R_S	5386533
m,p-Xylene	ND		1	1	02/03/10 0:25	R_S	5386533
o-Xylene	ND		1	1	02/03/10 0:25	R_S	5386533
Xylenes, Total	ND		1	1	02/03/10 0:25	R_S	5386533
Surr: 1,4-Difluorobenzene	93.5		% 70-130	1	02/03/10 0:25	R_S	5386533
Surr: 4-Bromofluorobenzene	92.6		% 70-130	1	02/03/10 0:25	R_S	5386533

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



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

Client Sample ID: MW-5

Collected: 01/26/2010 14:15

SPL Sample ID: 10010953-22

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.15		0.05	1	02/02/10 22:12	NW	5388327
Surr: n-Pentacosane	86.2		% 10-185	1	02/02/10 22:12	NW	5388327

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 15:38	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/03/10 0:56	R_S	5386555
Surr: 1,4-Difluorobenzene	93.9		% 60-155	1	02/03/10 0:56	R_S	5386555
Surr: 4-Bromofluorobenzene	94.3		% 50-158	1	02/03/10 0:56	R_S	5386555

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	40.5		5	10	01/29/10 22:08	BDG	5383145

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/03/10 0:56	R_S	5386534
Toluene	ND		1	1	02/03/10 0:56	R_S	5386534
Ethylbenzene	ND		1	1	02/03/10 0:56	R_S	5386534
m,p-Xylene	ND		1	1	02/03/10 0:56	R_S	5386534
o-Xylene	ND		1	1	02/03/10 0:56	R_S	5386534
Xylenes, Total	ND		1	1	02/03/10 0:56	R_S	5386534
Surr: 1,4-Difluorobenzene	94.7		% 70-130	1	02/03/10 0:56	R_S	5386534
Surr: 4-Bromofluorobenzene	94.2		% 70-130	1	02/03/10 0:56	R_S	5386534

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-6

Collected: 01/27/2010 10:45 SPL Sample ID: 10010953-12

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	3		0.05	1	02/03/10 19:09	NW	5393223
Surr: n-Pentacosane	108		% 10-185	1	02/03/10 19:09	NW	5393223

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	4.2		0.1	1	02/02/10 3:56	R_S	5385102
Surr: 1,4-Difluorobenzene	140		% 60-155	1	02/02/10 3:56	R_S	5385102
Surr: 4-Bromofluorobenzene	126		% 50-158	1	02/02/10 3:56	R_S	5385102

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	112		5	10	01/29/10 19:56	BDG	5383135

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	98		1	1	02/02/10 3:56	R_S	5385170
Toluene	50		1	1	02/02/10 3:56	R_S	5385170
Ethylbenzene	180		1	1	02/02/10 3:56	R_S	5385170
m,p-Xylene	100		1	1	02/02/10 3:56	R_S	5385170
o-Xylene	64		1	1	02/02/10 3:56	R_S	5385170
Xylenes, Total	164		1	1	02/02/10 3:56	R_S	5385170
Surr: 1,4-Difluorobenzene	107		% 70-130	1	02/02/10 3:56	R_S	5385170
Surr: 4-Bromofluorobenzene	103		% 70-130	1	02/02/10 3:56	R_S	5385170

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-11

Collected: 01/27/2010 10:35 SPL Sample ID: 10010953-11

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	10		0.5	10	02/04/10 1:00	NW	5393231
Surr: n-Pentacosane	122		% 10-185	10	02/04/10 1:00	NW	5393231

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	67		5	50	02/02/10 9:07	R_S	5385110
Surr: 1,4-Difluorobenzene	115		% 60-155	50	02/02/10 9:07	R_S	5385110
Surr: 4-Bromofluorobenzene	97.3		% 50-158	50	02/02/10 9:07	R_S	5385110

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	232		10	20	01/30/10 13:28	BDG	5383539

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	5600		50	50	02/02/10 9:07	R_S	5385178
Toluene	76		50	50	02/02/10 9:07	R_S	5385178
Ethylbenzene	970		50	50	02/02/10 9:07	R_S	5385178
m,p-Xylene	1800		50	50	02/02/10 9:07	R_S	5385178
o-Xylene	680		50	50	02/02/10 9:07	R_S	5385178
Xylenes, Total	2480		50	50	02/02/10 9:07	R_S	5385178
Surr: 1,4-Difluorobenzene	100		% 70-130	50	02/02/10 9:07	R_S	5385178
Surr: 4-Bromofluorobenzene	94.4		% 70-130	50	02/02/10 9:07	R_S	5385178

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-12

Collected: 01/27/2010 10:05 SPL Sample ID: 10010953-08

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.45		0.05	1	02/03/10 17:14	NW	5393220
Surr: n-Pentacosane	83.0		% 10-185	1	02/03/10 17:14	NW	5393220

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	18		1	10	02/02/10 5:30	R_S	5385105
Surr: 1,4-Difluorobenzene	105		% 60-155	10	02/02/10 5:30	R_S	5385105
Surr: 4-Bromofluorobenzene	95.9		% 50-158	10	02/02/10 5:30	R_S	5385105

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	192		5	10	01/29/10 19:12	BDG	5383133

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4500		10	10	02/02/10 5:30	R_S	5385173
Toluene	2.2		1	1	02/03/10 6:38	R_S	5386540
Ethylbenzene	170		10	10	02/02/10 5:30	R_S	5385173
m,p-Xylene	170		1	1	02/04/10 3:00	R_S	5388414
o-Xylene	4		1	1	02/04/10 3:00	R_S	5388414
Xylenes, Total	174		1	1	02/04/10 3:00	R_S	5388414
Surr: 1,4-Difluorobenzene	92.2		% 70-130	10	02/02/10 5:30	R_S	5385173
Surr: 1,4-Difluorobenzene	144 MI	*	% 70-130	1	02/04/10 3:00	R_S	5388414
Surr: 1,4-Difluorobenzene	165 MI	*	% 70-130	1	02/03/10 6:38	R_S	5386540
Surr: 4-Bromofluorobenzene	93.7		% 70-130	10	02/02/10 5:30	R_S	5385173
Surr: 4-Bromofluorobenzene	90.2		% 70-130	1	02/04/10 3:00	R_S	5388414
Surr: 4-Bromofluorobenzene	108		% 70-130	1	02/03/10 6:38	R_S	5386540

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: DUP-3

Collected: 01/27/2010 15:33

SPL Sample ID: 10010953-09

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.46		0.05	1	02/03/10 17:52	NW	5393221
Surr: n-Pentacosane	84.4		% 10-185	1	02/03/10 17:52	NW	5393221

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	16		2.5	25	02/02/10 8:36	R_S	5385109
Surr: 1,4-Difluorobenzene	100		% 60-155	25	02/02/10 8:36	R_S	5385109
Surr: 4-Bromofluorobenzene	94.8		% 50-158	25	02/02/10 8:36	R_S	5385109

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	198		5	10	01/29/10 19:23	BDG	5383134

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	4200		25	25	02/02/10 8:36	R_S	5385177
Toluene	1.9		1	1	02/03/10 7:09	R_S	5386541
Ethylbenzene	140		25	25	02/02/10 8:36	R_S	5385177
m,p-Xylene	170		1	1	02/04/10 0:55	R_S	5388412
o-Xylene	5.6		1	1	02/04/10 0:55	R_S	5388412
Xylenes, Total	175.6		1	1	02/04/10 0:55	R_S	5388412
Surr: 1,4-Difluorobenzene	99.6		% 70-130	25	02/02/10 8:36	R_S	5385177
Surr: 1,4-Difluorobenzene	143 MI	*	% 70-130	1	02/04/10 0:55	R_S	5388412
Surr: 1,4-Difluorobenzene	160 MI	*	% 70-130	1	02/03/10 7:09	R_S	5386541
Surr: 4-Bromofluorobenzene	92.8		% 70-130	25	02/02/10 8:36	R_S	5385177
Surr: 4-Bromofluorobenzene	91.8		% 70-130	1	02/04/10 0:55	R_S	5388412
Surr: 4-Bromofluorobenzene	109		% 70-130	1	02/03/10 7:09	R_S	5386541

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-13

Collected: 01/27/2010 9:05

SPL Sample ID: 10010953-04

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	02/03/10 13:27	NW	5393215
Surr: n-Pentacosane	80.4		% 10-185	1	02/03/10 13:27	NW	5393215

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 1:52	R_S	5385098
Surr: 1,4-Difluorobenzene	91.7		% 60-155	1	02/02/10 1:52	R_S	5385098
Surr: 4-Bromofluorobenzene	92.9		% 50-158	1	02/02/10 1:52	R_S	5385098

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	69.5		5	10	01/29/10 18:06	BDG	5383129

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 1:52	R_S	5385166
Toluene	ND		1	1	02/02/10 1:52	R_S	5385166
Ethylbenzene	ND		1	1	02/02/10 1:52	R_S	5385166
m,p-Xylene	ND		1	1	02/02/10 1:52	R_S	5385166
o-Xylene	ND		1	1	02/02/10 1:52	R_S	5385166
Xylenes, Total	ND		1	1	02/02/10 1:52	R_S	5385166
Surr: 1,4-Difluorobenzene	93.9		% 70-130	1	02/02/10 1:52	R_S	5385166
Surr: 4-Bromofluorobenzene	94.1		% 70-130	1	02/02/10 1:52	R_S	5385166

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-14

Collected: 01/27/2010 9:35

SPL Sample ID: 10010953-06

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.068		0.05	1	02/03/10 14:42	NW	5393217
Surr: n-Pentacosane	79.6		% 10-185	1	02/03/10 14:42	NW	5393217

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 2:54	R_S	5385100
Surr: 1,4-Difluorobenzene	94.3		% 60-155	1	02/02/10 2:54	R_S	5385100
Surr: 4-Bromofluorobenzene	94.6		% 50-158	1	02/02/10 2:54	R_S	5385100

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	202		10	20	01/30/10 12:39	BDG	5383536

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 2:54	R_S	5385168
Toluene	ND		1	1	02/02/10 2:54	R_S	5385168
Ethylbenzene	ND		1	1	02/02/10 2:54	R_S	5385168
m,p-Xylene	ND		1	1	02/02/10 2:54	R_S	5385168
o-Xylene	ND		1	1	02/02/10 2:54	R_S	5385168
Xylenes, Total	ND		1	1	02/02/10 2:54	R_S	5385168
Surr: 1,4-Difluorobenzene	93.9		% 70-130	1	02/02/10 2:54	R_S	5385168
Surr: 4-Bromofluorobenzene	92.5		% 70-130	1	02/02/10 2:54	R_S	5385168

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-15

Collected: 01/26/2010 12:00

SPL Sample ID: 10010953-20

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	3		0.05	1	02/04/10 2:18	NW	5393233
Surr: n-Pentacosane	87.0		% 10-185	1	02/04/10 2:18	NW	5393233

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.15		0.1	1	02/03/10 22:20	R_S	5388399
Surr: 1,4-Difluorobenzene	93.7		% 60-155	1	02/03/10 22:20	R_S	5388399
Surr: 4-Bromofluorobenzene	97.0		% 50-158	1	02/03/10 22:20	R_S	5388399

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	188		5	10	01/29/10 21:46	BDG	5383143

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/03/10 22:20	R_S	5388409
Toluene	ND		1	1	02/03/10 22:20	R_S	5388409
Ethylbenzene	ND		1	1	02/03/10 22:20	R_S	5388409
m,p-Xylene	ND		1	1	02/03/10 22:20	R_S	5388409
o-Xylene	ND		1	1	02/03/10 22:20	R_S	5388409
Xylenes, Total	ND		1	1	02/03/10 22:20	R_S	5388409
Surr: 1,4-Difluorobenzene	94.7		% 70-130	1	02/03/10 22:20	R_S	5388409
Surr: 4-Bromofluorobenzene	96.9		% 70-130	1	02/03/10 22:20	R_S	5388409

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



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

Client Sample ID: MW-16

Collected: 01/26/2010 11:00

SPL Sample ID: 10010953-16

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.072		0.05	1	02/03/10 21:44	NW	5393227
Surr: n-Pentacosane	66.4		% 10-185	1	02/03/10 21:44	NW	5393227

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 8:05	R_S	5385108
Surr: 1,4-Difluorobenzene	91.1		% 60-155	1	02/02/10 8:05	R_S	5385108
Surr: 4-Bromofluorobenzene	92.7		% 50-158	1	02/02/10 8:05	R_S	5385108

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	148		5	10	01/29/10 21:02	BDG	5383140

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 8:05	R_S	5385176
Toluene	ND		1	1	02/02/10 8:05	R_S	5385176
Ethylbenzene	ND		1	1	02/02/10 8:05	R_S	5385176
m,p-Xylene	ND		1	1	02/02/10 8:05	R_S	5385176
o-Xylene	ND		1	1	02/02/10 8:05	R_S	5385176
Xylenes, Total	ND		1	1	02/02/10 8:05	R_S	5385176
Surr: 1,4-Difluorobenzene	94.2		% 70-130	1	02/02/10 8:05	R_S	5385176
Surr: 4-Bromofluorobenzene	93.7		% 70-130	1	02/02/10 8:05	R_S	5385176

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-18

Collected: 01/27/2010 9:45

SPL Sample ID: 10010953-07

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.3		0.05	1	02/03/10 15:20	NW	5393218
Surr: n-Pentacosane	90.0		% 10-185	1	02/03/10 15:20	NW	5393218

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	15		5	50	02/01/10 21:12	R_S	5385093
Surr: 1,4-Difluorobenzene	93.0		% 60-155	50	02/01/10 21:12	R_S	5385093
Surr: 4-Bromofluorobenzene	93.2		% 50-158	50	02/01/10 21:12	R_S	5385093

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	195		10	20	01/30/10 12:50	BDG	5383537

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	5000		50	50	02/01/10 21:12	R_S	5385161
Toluene	ND		1	1	02/03/10 6:07	R_S	5386539
Ethylbenzene	130		50	50	02/01/10 21:12	R_S	5385161
m,p-Xylene	99		50	50	02/01/10 21:12	R_S	5385161
o-Xylene	53		50	50	02/01/10 21:12	R_S	5385161
Xylenes, Total	152		50	50	02/01/10 21:12	R_S	5385161
Surr: 1,4-Difluorobenzene	93.6		% 70-130	50	02/01/10 21:12	R_S	5385161
Surr: 1,4-Difluorobenzene	166 MI	*	% 70-130	1	02/03/10 6:07	R_S	5386539
Surr: 4-Bromofluorobenzene	93.0		% 70-130	50	02/01/10 21:12	R_S	5385161
Surr: 4-Bromofluorobenzene	109		% 70-130	1	02/03/10 6:07	R_S	5386539

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-19

Collected: 01/27/2010 9:20

SPL Sample ID: 10010953-05

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	02/03/10 14:05	NW	5393216
Surr: n-Pentacosane	74.0		% 10-185	1	02/03/10 14:05	NW	5393216

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 2:23	R_S	5385099
Surr: 1,4-Difluorobenzene	92.3		% 60-155	1	02/02/10 2:23	R_S	5385099
Surr: 4-Bromofluorobenzene	92.9		% 50-158	1	02/02/10 2:23	R_S	5385099

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	176		5	10	01/29/10 18:17	BDG	5383130

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 2:23	R_S	5385167
Toluene	ND		1	1	02/02/10 2:23	R_S	5385167
Ethylbenzene	ND		1	1	02/02/10 2:23	R_S	5385167
m,p-Xylene	ND		1	1	02/02/10 2:23	R_S	5385167
o-Xylene	ND		1	1	02/02/10 2:23	R_S	5385167
Xylenes, Total	ND		1	1	02/02/10 2:23	R_S	5385167
Surr: 1,4-Difluorobenzene	93.8		% 70-130	1	02/02/10 2:23	R_S	5385167
Surr: 4-Bromofluorobenzene	93.8		% 70-130	1	02/02/10 2:23	R_S	5385167

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-20

Collected: 01/26/2010 11:15 SPL Sample ID: 10010953-17

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.074		0.05	1	02/03/10 22:23	NW	5393228
Surr: n-Pentacosane	82.0		% 10-185	1	02/03/10 22:23	NW	5393228

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 20:47	R_S	5386549
Surr: 1,4-Difluorobenzene	91.8		% 60-155	1	02/02/10 20:47	R_S	5386549
Surr: 4-Bromofluorobenzene	91.9		% 50-158	1	02/02/10 20:47	R_S	5386549

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	156		5	10	01/29/10 21:13	BDG	5383141

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 20:47	R_S	5386528
Toluene	ND		1	1	02/02/10 20:47	R_S	5386528
Ethylbenzene	ND		1	1	02/02/10 20:47	R_S	5386528
m,p-Xylene	ND		1	1	02/02/10 20:47	R_S	5386528
o-Xylene	ND		1	1	02/02/10 20:47	R_S	5386528
Xylenes, Total	ND		1	1	02/02/10 20:47	R_S	5386528
Surr: 1,4-Difluorobenzene	93.5		% 70-130	1	02/02/10 20:47	R_S	5386528
Surr: 4-Bromofluorobenzene	92.4		% 70-130	1	02/02/10 20:47	R_S	5386528

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-21

Collected: 01/26/2010 10:40

SPL Sample ID: 10010953-15

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.14		0.05	1	02/03/10 21:05	NW	5393226
Surr: n-Pentacosane	111		% 10-185	1	02/03/10 21:05	NW	5393226

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 4:58	R_S	5385104
Surr: 1,4-Difluorobenzene	91.5		% 60-155	1	02/02/10 4:58	R_S	5385104
Surr: 4-Bromofluorobenzene	94.2		% 50-158	1	02/02/10 4:58	R_S	5385104

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	1090		50	100	01/30/10 13:39	BDG	5383540

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 4:58	R_S	5385172
Toluene	ND		1	1	02/02/10 4:58	R_S	5385172
Ethylbenzene	ND		1	1	02/02/10 4:58	R_S	5385172
m,p-Xylene	ND		1	1	02/02/10 4:58	R_S	5385172
o-Xylene	ND		1	1	02/02/10 4:58	R_S	5385172
Xylenes, Total	ND		1	1	02/02/10 4:58	R_S	5385172
Surr: 1,4-Difluorobenzene	93.8		% 70-130	1	02/02/10 4:58	R_S	5385172
Surr: 4-Bromofluorobenzene	94.3		% 70-130	1	02/02/10 4:58	R_S	5385172

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-22

Collected: 01/27/2010 8:50

SPL Sample ID: 10010953-03

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	02/03/10 12:49	NW	5393214
Surr: n-Pentacosane	77.0		% 10-185	1	02/03/10 12:49	NW	5393214

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/01/10 20:41	R_S	5385092
Surr: 1,4-Difluorobenzene	91.9		% 60-155	1	02/01/10 20:41	R_S	5385092
Surr: 4-Bromofluorobenzene	92.6		% 50-158	1	02/01/10 20:41	R_S	5385092

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	78.7		5	10	01/29/10 17:55	BDG	5383128

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/01/10 20:41	R_S	5385160
Toluene	ND		1	1	02/01/10 20:41	R_S	5385160
Ethylbenzene	ND		1	1	02/01/10 20:41	R_S	5385160
m,p-Xylene	ND		1	1	02/01/10 20:41	R_S	5385160
o-Xylene	ND		1	1	02/01/10 20:41	R_S	5385160
Xylenes, Total	ND		1	1	02/01/10 20:41	R_S	5385160
Surr: 1,4-Difluorobenzene	94.1		% 70-130	1	02/01/10 20:41	R_S	5385160
Surr: 4-Bromofluorobenzene	93.4		% 70-130	1	02/01/10 20:41	R_S	5385160

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-23

Collected: 01/27/2010 8:35

SPL Sample ID: 10010953-02

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	02/03/10 12:11	NW	5393213
Surr: n-Pentacosane	82.2		% 10-185	1	02/03/10 12:11	NW	5393213

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/01/10 20:09	R_S	5385091
Surr: 1,4-Difluorobenzene	91.4		% 60-155	1	02/01/10 20:09	R_S	5385091
Surr: 4-Bromofluorobenzene	91.5		% 50-158	1	02/01/10 20:09	R_S	5385091

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	55.3		5	10	01/29/10 17:44	BDG	5383127

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/01/10 20:09	R_S	5385159
Toluene	ND		1	1	02/01/10 20:09	R_S	5385159
Ethylbenzene	ND		1	1	02/01/10 20:09	R_S	5385159
m,p-Xylene	ND		1	1	02/01/10 20:09	R_S	5385159
o-Xylene	ND		1	1	02/01/10 20:09	R_S	5385159
Xylenes, Total	ND		1	1	02/01/10 20:09	R_S	5385159
Surr: 1,4-Difluorobenzene	94.1		% 70-130	1	02/01/10 20:09	R_S	5385159
Surr: 4-Bromofluorobenzene	93.2		% 70-130	1	02/01/10 20:09	R_S	5385159

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-24

Collected: 01/26/2010 11:40

SPL Sample ID: 10010953-19

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.42		0.05	1	02/04/10 1:39	NW	5393232
Surr: n-Pentacosane	81.0		% 10-185	1	02/04/10 1:39	NW	5393232

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.73		0.1	1	02/02/10 21:49	R_S	5386551
Surr: 1,4-Difluorobenzene	111		% 60-155	1	02/02/10 21:49	R_S	5386551
Surr: 4-Bromofluorobenzene	98.8		% 50-158	1	02/02/10 21:49	R_S	5386551

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	285		10	20	01/30/10 13:50	BDG	5383541

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	1.4		1	1	02/02/10 21:49	R_S	5386530
Toluene	ND		1	1	02/02/10 21:49	R_S	5386530
Ethylbenzene	8.1		1	1	02/02/10 21:49	R_S	5386530
m,p-Xylene	ND		1	1	02/02/10 21:49	R_S	5386530
o-Xylene	ND		1	1	02/02/10 21:49	R_S	5386530
Xylenes, Total	ND		1	1	02/02/10 21:49	R_S	5386530
Surr: 1,4-Difluorobenzene	98.5		% 70-130	1	02/02/10 21:49	R_S	5386530
Surr: 4-Bromofluorobenzene	94.4		% 70-130	1	02/02/10 21:49	R_S	5386530

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: DUP-2

Collected: 01/26/2010 14:22 SPL Sample ID: 10010953-24

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.4		0.05	1	02/03/10 0:53	NW	5388330
Surr: n-Pentacosane	72.8		% 10-185	1	02/03/10 0:53	NW	5388330

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 15:38	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	0.67		0.1	1	02/03/10 1:58	R_S	5386557
Surr: 1,4-Difluorobenzene	110		% 60-155	1	02/03/10 1:58	R_S	5386557
Surr: 4-Bromofluorobenzene	97.3		% 50-158	1	02/03/10 1:58	R_S	5386557

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	287		10	20	01/30/10 14:01	BDG	5383542

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	1.2		1	1	02/03/10 1:58	R_S	5386536
Toluene	ND		1	1	02/03/10 1:58	R_S	5386536
Ethylbenzene	7.6		1	1	02/03/10 1:58	R_S	5386536
m,p-Xylene	ND		1	1	02/03/10 1:58	R_S	5386536
o-Xylene	ND		1	1	02/03/10 1:58	R_S	5386536
Xylenes, Total	ND		1	1	02/03/10 1:58	R_S	5386536
Surr: 1,4-Difluorobenzene	96.3		% 70-130	1	02/03/10 1:58	R_S	5386536
Surr: 4-Bromofluorobenzene	93.5		% 70-130	1	02/03/10 1:58	R_S	5386536

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-25

Collected: 01/26/2010 11:25

SPL Sample ID: 10010953-18

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.12		0.05	1	02/03/10 23:02	NW	5393229
Surr: n-Pentacosane	76.8		% 10-185	1	02/03/10 23:02	NW	5393229

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 21:18	R_S	5386550
Surr: 1,4-Difluorobenzene	91.7		% 60-155	1	02/02/10 21:18	R_S	5386550
Surr: 4-Bromofluorobenzene	92.4		% 50-158	1	02/02/10 21:18	R_S	5386550

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	171		5	10	01/29/10 21:24	BDG	5383142

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 21:18	R_S	5386529
Toluene	ND		1	1	02/02/10 21:18	R_S	5386529
Ethylbenzene	ND		1	1	02/02/10 21:18	R_S	5386529
m,p-Xylene	ND		1	1	02/02/10 21:18	R_S	5386529
o-Xylene	ND		1	1	02/02/10 21:18	R_S	5386529
Xylenes, Total	ND		1	1	02/02/10 21:18	R_S	5386529
Surr: 1,4-Difluorobenzene	93.5		% 70-130	1	02/02/10 21:18	R_S	5386529
Surr: 4-Bromofluorobenzene	93.8		% 70-130	1	02/02/10 21:18	R_S	5386529

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-26

Collected: 01/26/2010 14:30 SPL Sample ID: 10010953-23

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.051		0.05	1	02/03/10 0:13	NW	5388329
Surr: n-Pentacosane	71.4		% 10-185	1	02/03/10 0:13	NW	5388329

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 15:38	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/03/10 1:27	R_S	5386556
Surr: 1,4-Difluorobenzene	91.3		% 60-155	1	02/03/10 1:27	R_S	5386556
Surr: 4-Bromofluorobenzene	92.8		% 50-158	1	02/03/10 1:27	R_S	5386556

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	128		5	10	01/29/10 22:19	BDG	5383146

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/03/10 1:27	R_S	5386535
Toluene	ND		1	1	02/03/10 1:27	R_S	5386535
Ethylbenzene	ND		1	1	02/03/10 1:27	R_S	5386535
m,p-Xylene	ND		1	1	02/03/10 1:27	R_S	5386535
o-Xylene	ND		1	1	02/03/10 1:27	R_S	5386535
Xylenes, Total	ND		1	1	02/03/10 1:27	R_S	5386535
Surr: 1,4-Difluorobenzene	92.8		% 70-130	1	02/03/10 1:27	R_S	5386535
Surr: 4-Bromofluorobenzene	92.4		% 70-130	1	02/03/10 1:27	R_S	5386535

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



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

Client Sample ID: MW-27

Collected: 01/27/2010 8:15

SPL Sample ID: 10010953-01

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	ND		0.05	1	02/03/10 11:33	NW	5393212
Surr: n-Pentacosane	88.0		% 10-185	1	02/03/10 11:33	NW	5393212

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/01/10 19:38	R_S	5385090
Surr: 1,4-Difluorobenzene	92.2		% 60-155	1	02/01/10 19:38	R_S	5385090
Surr: 4-Bromofluorobenzene	94.1		% 50-158	1	02/01/10 19:38	R_S	5385090

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	119		5	10	01/29/10 17:33	BDG	5383126

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	5		1	1	02/01/10 19:38	R_S	5385158
Toluene	ND		1	1	02/01/10 19:38	R_S	5385158
Ethylbenzene	ND		1	1	02/01/10 19:38	R_S	5385158
m,p-Xylene	ND		1	1	02/01/10 19:38	R_S	5385158
o-Xylene	ND		1	1	02/01/10 19:38	R_S	5385158
Xylenes, Total	ND		1	1	02/01/10 19:38	R_S	5385158
Surr: 1,4-Difluorobenzene	94.6		% 70-130	1	02/01/10 19:38	R_S	5385158
Surr: 4-Bromofluorobenzene	94.3		% 70-130	1	02/01/10 19:38	R_S	5385158

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: SVE-10

Collected: 01/27/2010 10:20

SPL Sample ID: 10010953-10

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Diesel Range Organics	0.1		0.05	1	02/03/10 18:30	NW	5393222
Surr: n-Pentacosane	84.2		% 10-185	1	02/03/10 18:30	NW	5393222

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2010 16:32	A_G	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 3:25	R_S	5385101
Surr: 1,4-Difluorobenzene	91.7		% 60-155	1	02/02/10 3:25	R_S	5385101
Surr: 4-Bromofluorobenzene	94.3		% 50-158	1	02/02/10 3:25	R_S	5385101

ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Chloride	223		10	20	01/30/10 13:01	BDG	5383538

PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 3:25	R_S	5385169
Toluene	ND		1	1	02/02/10 3:25	R_S	5385169
Ethylbenzene	ND		1	1	02/02/10 3:25	R_S	5385169
m,p-Xylene	ND		1	1	02/02/10 3:25	R_S	5385169
o-Xylene	ND		1	1	02/02/10 3:25	R_S	5385169
Xylenes, Total	ND		1	1	02/02/10 3:25	R_S	5385169
Surr: 1,4-Difluorobenzene	92.8		% 70-130	1	02/02/10 3:25	R_S	5385169
Surr: 4-Bromofluorobenzene	93.5		% 70-130	1	02/02/10 3:25	R_S	5385169

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: Trip Blank

Collected: 01/26/2010 0:00

SPL Sample ID: 10010953-25

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	ND		0.1	1	02/02/10 20:16	R_S	5386548
Surr: 1,4-Difluorobenzene	91.7	%	60-155	1	02/02/10 20:16	R_S	5386548
Surr: 4-Bromofluorobenzene	93.7	%	50-158	1	02/02/10 20:16	R_S	5386548
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND		1	1	02/02/10 20:16	R_S	5386527
Toluene	ND		1	1	02/02/10 20:16	R_S	5386527
Ethylbenzene	ND		1	1	02/02/10 20:16	R_S	5386527
m,p-Xylene	ND		1	1	02/02/10 20:16	R_S	5386527
o-Xylene	ND		1	1	02/02/10 20:16	R_S	5386527
Xylenes, Total	ND		1	1	02/02/10 20:16	R_S	5386527
Surr: 1,4-Difluorobenzene	92.4	%	70-130	1	02/02/10 20:16	R_S	5386527
Surr: 4-Bromofluorobenzene	91.1	%	70-130	1	02/02/10 20:16	R_S	5386527

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: Trip Blank

Collected: 01/27/2010 0:00

SPL Sample ID: 10010953-26

Site: Hobbs, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L	
Gasoline Range Organics	ND		0.1	1	02/02/10 19:45	R_S	5386547
Surr: 1,4-Difluorobenzene	91.8		% 60-155	1	02/02/10 19:45	R_S	5386547
Surr: 4-Bromofluorobenzene	92.7		% 50-158	1	02/02/10 19:45	R_S	5386547
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L	
Benzene	ND		1	1	02/02/10 19:45	R_S	5386526
Toluene	ND		1	1	02/02/10 19:45	R_S	5386526
Ethylbenzene	ND		1	1	02/02/10 19:45	R_S	5386526
m,p-Xylene	ND		1	1	02/02/10 19:45	R_S	5386526
o-Xylene	ND		1	1	02/02/10 19:45	R_S	5386526
Xylenes, Total	ND		1	1	02/02/10 19:45	R_S	5386526
Surr: 1,4-Difluorobenzene	93.1		% 70-130	1	02/02/10 19:45	R_S	5386526
Surr: 4-Bromofluorobenzene	93.6		% 70-130	1	02/02/10 19:45	R_S	5386526

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

Conoco Phillips

Certificate of Analysis Number:

10010953

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX

79705-

ph: (432) 682-4559

fax: (432) 686-8085

Project Name: COP East Hobbs Junction

Site: Hobbs, NM

Site Address:

PO Number: 4511063196

State: New Mexico

State Cert. No.:

Date Reported: 2/11/2010

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-4	10010953-21	Water	1/26/2010 2:00:00 PM	1/28/2010 9:30:00 AM	291691	☐
MW-5	10010953-22	Water	1/26/2010 2:15:00 PM	1/28/2010 9:30:00 AM	291691	☐
MW-26	10010953-23	Water	1/26/2010 2:30:00 PM	1/28/2010 9:30:00 AM	291691	☐
MW-26	10010953-23	Water	1/26/2010 2:30:00 PM	1/28/2010 9:30:00 AM	291692	☐
DUP-2	10010953-24	Water	1/26/2010 2:22:00 PM	1/28/2010 9:30:00 AM	291692	☐
Trip Blank	10010953-25	Water	1/26/2010	1/28/2010 9:30:00 AM	291692	☐
Trip Blank	10010953-26	Water	1/27/2010	1/28/2010 9:30:00 AM	291692	☐

Erica Cardenas
Project Manager

2/11/2010

Date

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

Ted Yen
Quality Assurance Officer

Quality Control Documentation



Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 10010953
Lab Batch ID: 97521

Method Blank

Samples In Analytical Batch:

RunID: HP_Z_100202A-5388319 Units: mg/L
Analysis Date: 02/02/2010 16:27 Analyst: NW
Preparation Date: 02/01/2010 15:38 Prep By: N_M Method SW3510C

Lab Sample ID	Client Sample ID
10010953-21B	MW-4
10010953-22B	MW-5
10010953-23B	MW-26
10010953-24B	DUP-2

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	123.4	10-185

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_Z_100202A-5388320 Units: mg/L
Analysis Date: 02/02/2010 17:13 Analyst: NW
Preparation Date: 02/01/2010 15:38 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics	2.00	2.27	113	2.00	2.33	116	2.5	43	21	175
Surr: n-Pentacosane	0.0500	0.0754	151	0.0500	0.0678	136	10.6	43	10	185

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 10010953
Lab Batch ID: 97524

Method Blank

RunID: HP_Z_100203A-5393209 Units: mg/L
Analysis Date: 02/03/2010 9:37 Analyst: NW
Preparation Date: 02/01/2010 16:32 Prep By: A_G Method SW3510C

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	162.8	10-185

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-01B	MW-27
10010953-02B	MW-23
10010953-03B	MW-22
10010953-04B	MW-13
10010953-05B	MW-19
10010953-06B	MW-14
10010953-07B	MW-18
10010953-08B	MW-12
10010953-09B	DUP-3
10010953-10B	SVE-10
10010953-11B	MW-11
10010953-12B	MW-6
10010953-13B	MW-2
10010953-14B	MW-3
10010953-15B	MW-21
10010953-16B	MW-16
10010953-17B	MW-20
10010953-18B	MW-25
10010953-19B	MW-24
10010953-20B	MW-15

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_Z_100203A-5393210 Units: mg/L
Analysis Date: 02/03/2010 10:16 Analyst: NW
Preparation Date: 02/01/2010 16:32 Prep By: A_G Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics	2.00	2.40	120	2.00	2.30	115	4.2	43	21	175
Surr: n-Pentacosane	0.0500	0.0711	142	0.0500	0.0671	134	5.8	43	10	185

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 10010953
Lab Batch ID: R294800

Method Blank

RunID: HP_N_100201A-5385083 Units: mg/L
Analysis Date: 02/01/2010 14:55 Analyst: R_S

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	93.4	60-155
Surr: 4-Bromofluorobenzene	92.8	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-01A	MW-27
10010953-02A	MW-23
10010953-03A	MW-22
10010953-04A	MW-13
10010953-05A	MW-19
10010953-06A	MW-14
10010953-07A	MW-18
10010953-08A	MW-12
10010953-09A	DUP-3
10010953-10A	SVE-10
10010953-11A	MW-11
10010953-12A	MW-6
10010953-13A	MW-2
10010953-14A	MW-3
10010953-15A	MW-21
10010953-16A	MW-16

Laboratory Control Sample (LCS)

RunID: HP_N_100201A-5385082 Units: mg/L
Analysis Date: 02/01/2010 13:53 Analyst: R_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.953	95.3	42	136
Surr: 1,4-Difluorobenzene	0.100	0.0969	96.9	60	155
Surr: 4-Bromofluorobenzene	0.100	0.0951	95.1	50	158

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

Sample Spiked: 10010953-07
RunID: HP_N_100201A-5385094 Units: mg/L
Analysis Date: 02/01/2010 21:43 Analyst: R_S

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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.



Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 10010953
Lab Batch ID: R294800

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	15.2	50	59.5	88.7	50	62.0	93.7	4.08	36	22	174
Surr: 1,4-Difluorobenzene	ND	5	5.01	100	5	5.03	101	0.381	30	60	155
Surr: 4-Bromofluorobenzene	ND	5	4.77	95.5	5	4.78	95.6	0.144	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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.



Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 10010953
Lab Batch ID: R294803

Method Blank

RunID: HP_N_100201B-5385151 Units: ug/L
Analysis Date: 02/01/2010 14:55 Analyst: R_S

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	93.8	70-130
Surr: 4-Bromofluorobenzene	92.1	70-130

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-01A	MW-27
10010953-02A	MW-23
10010953-03A	MW-22
10010953-04A	MW-13
10010953-05A	MW-19
10010953-06A	MW-14
10010953-07A	MW-18
10010953-08A	MW-12
10010953-09A	DUP-3
10010953-10A	SVE-10
10010953-11A	MW-11
10010953-12A	MW-6
10010953-13A	MW-2
10010953-14A	MW-3
10010953-15A	MW-21
10010953-16A	MW-16

Laboratory Control Sample (LCS)

RunID: HP_N_100201B-5385150 Units: ug/L
Analysis Date: 02/01/2010 13:22 Analyst: R_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.6	92.8	70	130
Ethylbenzene	20.0	19.9	99.3	70	130
Toluene	20.0	19.3	96.6	70	130
m,p-Xylene	40.0	40.3	101	70	130
o-Xylene	20.0	19.7	98.4	70	130
Xylenes, Total	60.0	60.0	100	70	130
Surr: 1,4-Difluorobenzene	100	93.3	93.3	70	130
Surr: 4-Bromofluorobenzene	100	93.6	93.6	70	130

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

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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.



Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 10010953
Lab Batch ID: R294803

Sample Spiked: 10010953-07
RunID: HP_N_100201B-5385162 Units: ug/L
Analysis Date: 02/01/2010 22:45 Analyst: R_S

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	5040	1000	6020	N/C	1000	5990	N/C	N/C	31	66	141
Ethylbenzene	135	1000	1230	109	1000	1240	110	0.874	28	52	136
Toluene	ND	1000	1100	110	1000	1100	110	0.356	25	61	131
m,p-Xylene	98.7	2000	2330	112	2000	2350	112	0.648	36	60	130
o-Xylene	53.1	1000	1140	109	1000	1150	110	1.11	30	64	130
Xylenes, Total	152	3000	3470	111	3000	3500	112	0.799	36	60	130
Surr: 1,4-Difluorobenzene	ND	5000	4670	93.5	5000	4660	93.2	0.262	30	70	130
Surr: 4-Bromofluorobenzene	ND	5000	4700	94.0	5000	4770	95.3	1.39	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 10010953
Lab Batch ID: R294887

Method Blank

RunID: HP_N_100202A-5386519 Units: ug/L
Analysis Date: 02/02/2010 14:02 Analyst: R_S

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	93.9	70-130
Surr: 4-Bromofluorobenzene	94.8	70-130

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-07A	MW-18
10010953-08A	MW-12
10010953-09A	DUP-3
10010953-14A	MW-3
10010953-17A	MW-20
10010953-18A	MW-25
10010953-19A	MW-24
10010953-21A	MW-4
10010953-22A	MW-5
10010953-23A	MW-26
10010953-24A	DUP-2
10010953-25A	Trip Blank
10010953-26A	Trip Blank

Laboratory Control Sample (LCS)

RunID: HP_N_100202A-5386518 Units: ug/L
Analysis Date: 02/02/2010 12:59 Analyst: R_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	22.3	111	70	130
Ethylbenzene	20.0	22.1	110	70	130
Toluene	20.0	21.6	108	70	130
m,p-Xylene	40.0	44.9	112	70	130
o-Xylene	20.0	21.7	108	70	130
Xylenes, Total	60.0	66.6	111	70	130
Surr: 1,4-Difluorobenzene	100	92.9	92.9	70	130
Surr: 4-Bromofluorobenzene	100	93.5	93.5	70	130

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

Sample Spiked: 10020016-08
RunID: HP_N_100202A-5386522 Units: mg/L
Analysis Date: 02/02/2010 15:36 Analyst: R_S

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 10010953
Lab Batch ID: R294887

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	607	50	662	N/C	50	663	N/C	N/C	31	66	141
Ethylbenzene	4.69	50	57.4	105	50	56.9	104	1.00	28	52	136
Toluene	101	50	151	100	50	151	100	0.0579	25	61	131
m,p-Xylene	10.7	100	118	107	100	116	105	1.23	36	60	130
o-Xylene	ND	50	57.0	109	50	57.5	110	0.781	30	64	130
Xylenes, Total	13.0	150	175	108	150	174	107	0.571	36	60	130
Surr: 1,4-Difluorobenzene	ND	250000	242000	96.8	250000	249000	99.7	2.96	30	70	130
Surr: 4-Bromofluorobenzene	ND	250000	235000	94.0	250000	236000	94.4	0.477	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 10010953
Lab Batch ID: R294888

Method Blank

RunID: HP_N_100202B-5386546 Units: mg/L
Analysis Date: 02/02/2010 19:14 Analyst: R_S

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	92.4	60-155
Surr: 4-Bromofluorobenzene	91.5	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-17A	MW-20
10010953-18A	MW-25
10010953-19A	MW-24
10010953-21A	MW-4
10010953-22A	MW-5
10010953-23A	MW-26
10010953-24A	DUP-2
10010953-25A	Trip Blank
10010953-26A	Trip Blank

Laboratory Control Sample (LCS)

RunID: HP_N_100202B-5386545 Units: mg/L
Analysis Date: 02/02/2010 18:12 Analyst: R_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	1.02	102	42	136
Surr: 1,4-Difluorobenzene	0.100	0.0989	98.9	60	155
Surr: 4-Bromofluorobenzene	0.100	0.0945	94.5	50	158

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

Sample Spiked: 10010953-20
RunID: HP_N_100202B-5386559 Units: mg/L
Analysis Date: 02/03/2010 3:00 Analyst: R_S

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	5	4.77	85.9	5	4.60	82.4	3.71	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.5	0.492	98.4	0.5	0.489	97.8	0.571	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.5	0.477	95.5	0.5	0.488	97.7	2.30	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 10010953
Lab Batch ID: R295019

Method Blank

Samples in Analytical Batch:

RunID: HP_N_100203A-5388392 Units: mg/L
Analysis Date: 02/03/2010 16:07 Analyst: R_S

Lab Sample ID Client Sample ID
10010953-20A MW-15

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	92.6	60-155
Surr: 4-Bromofluorobenzene	92.4	50-158

Laboratory Control Sample (LCS)

RunID: HP_N_100203A-5388391 Units: mg/L
Analysis Date: 02/03/2010 15:05 Analyst: R_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.986	98.6	42	136
Surr: 1,4-Difluorobenzene	0.100	0.0992	99.2	60	155
Surr: 4-Bromofluorobenzene	0.100	0.0961	96.1	50	158

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

Sample Spiked: H1002002600
RunID: HP_N_100203A-5388394 Units: mg/L
Analysis Date: 02/03/2010 17:40 Analyst: R_S

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	500	509	92.9	500	503	91.6	1.34	36	22	174
Surr: 1,4-Difluorobenzene	ND	50	49.5	99.1	50	49.4	98.8	0.214	30	60	155
Surr: 4-Bromofluorobenzene	ND	50	47.9	95.8	50	47.9	95.7	0.140	30	50	158

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 10010953
Lab Batch ID: R295020

Method Blank

RunID: HP_N_100204A-5388403 Units: ug/L
Analysis Date: 02/03/2010 16:07 Analyst: R_S

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-08A	MW-12
10010953-09A	DUP-3
10010953-14A	MW-3
10010953-20A	MW-15

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	92.8	70-130
Surr: 4-Bromofluorobenzene	92.7	70-130

Laboratory Control Sample (LCS)

RunID: HP_N_100204A-5388402 Units: ug/L
Analysis Date: 02/03/2010 14:34 Analyst: R_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	21.7	109	70	130
Ethylbenzene	20.0	21.3	107	70	130
Toluene	20.0	21.5	107	70	130
m,p-Xylene	40.0	43.3	108	70	130
o-Xylene	20.0	21.0	105	70	130
Xylenes, Total	60.0	64.3	107	70	130
Surr: 1,4-Difluorobenzene	100	92.6	92.6	70	130
Surr: 4-Bromofluorobenzene	100	93.7	93.7	70	130

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

Sample Spiked: H1002002600
RunID: HP_N_100204A-5388405 Units: ug/L
Analysis Date: 02/03/2010 18:42 Analyst: R_S

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 10010953
Lab Batch ID: R295020

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	3720	10000	14800	111	10000	14500	108	1.65	31	66	141
Ethylbenzene	ND	10000	11100	108	10000	10900	106	1.87	28	52	136
Toluene	8800	10000	19500	107	10000	19100	103	2.29	25	61	131
m,p-Xylene	1600	20000	23700	110	20000	23100	108	2.24	36	60	130
o-Xylene	662	10000	11300	107	10000	11100	105	1.58	30	64	130
Xylenes, Total	2260	30000	35000	109	30000	34200	107	2.02	36	60	130
Surr: 1,4-Difluorobenzene	ND	50000	46700	93.4	50000	46200	92.5	0.950	30	70	130
Surr: 4-Bromofluorobenzene	ND	50000	47000	94.0	50000	47000	93.9	0.137	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 10010953
Lab Batch ID: R294670

Method Blank

Samples in Analytical Batch:

RunID: IC2_100129A-5383122 Units: mg/L
Analysis Date: 01/29/2010 10:52 Analyst: BDG

Lab Sample ID	Client Sample ID
10010953-01C	MW-27
10010953-03C	MW-22
10010953-04C	MW-13
10010953-05C	MW-19
10010953-08C	MW-12
10010953-09C	DUP-3
10010953-12C	MW-6

Analyte	Result	Rep Limit
Chloride	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC2_100129A-5383123 Units: mg/L
Analysis Date: 01/29/2010 11:03 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.733	97.33	85	115

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

Sample Spiked: 10010953-01
RunID: IC2_100129A-5383149 Units: mg/L
Analysis Date: 01/29/2010 23:03 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	119.3	100	229.1	109.8	100	239.8	120.5 *	4.561	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 10010953
Lab Batch ID: R294670A

Method Blank

RunID: IC2_100129A-5383122 Units: mg/L
Analysis Date: 01/29/2010 10:52 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-02C	MW-23
10010953-13C	MW-2
10010953-14C	MW-3
10010953-16C	MW-16
10010953-17C	MW-20
10010953-18C	MW-25
10010953-20C	MW-15
10010953-21C	MW-4
10010953-22C	MW-5
10010953-23C	MW-26

Laboratory Control Sample (LCS)

RunID: IC2_100129A-5383123 Units: mg/L
Analysis Date: 01/29/2010 11:03 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.733	97.33	85	115

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

Sample Spiked: 10010953-02
RunID: IC2_100129A-5383151 Units: mg/L
Analysis Date: 01/29/2010 23:25 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	55.33	100	170.6	115.3	100	164.9	109.6	3.439	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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Quality Control Report

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

Conoco Phillips COP East Hobbs Junction

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 10010953
Lab Batch ID: R294698A

Method Blank

RunID: IC2_100130A-5383531 Units: mg/L
Analysis Date: 01/30/2010 11:44 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10010953-06C	MW-14
10010953-07C	MW-18
10010953-10C	SVE-10
10010953-11C	MW-11
10010953-15C	MW-21
10010953-19C	MW-24
10010953-24C	DUP-2

Laboratory Control Sample (LCS)

RunID: IC2_100130A-5383532 Units: mg/L
Analysis Date: 01/30/2010 11:55 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.594	95.94	85	115

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

Sample Spiked: 10010953-07
RunID: IC2_100130A-5383543 Units: mg/L
Analysis Date: 01/30/2010 14:27 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	194.9	200	400.1	102.6	200	401.2	103.1	0.2736	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - 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

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*Sample Receipt Checklist
And
Chain of Custody*



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

Sample Receipt Checklist

Workorder: 10010953
Date and Time Received: 1/28/2010 9:30:00 AM
Temperature: 3.7/2.9/3.5°C

Received By: BF
Carrier name: FedEx
Chilled by: Water Ice

- | | | | |
|--|---|--|--|
| 1. Shipping container/cooler in good condition? | Yes ☒ | No ☐ | Not Present ☐ |
| 2. Custody seals intact on shipping 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 ☒ | |
| 1. MW-13 one vial for DRO received broken. | | | |
| 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 ☐ | |
| Airbill# 869966395814-3.7/869966395836-2.9/869966395825-3.5 | | | |
| 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: