## AP - 015

# **2010 AGWMR**

05/25/2011



ConocoPhillips

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April 25, 2011

Mr. Glenn Von Gonten
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 2010 THROUGH FEBRUARY 2011 ConocoPhillips East Hobbs Junction (AP-15)

Hobbs, Lea County, New Mexico

Dear Mr. Von Gonten:

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 2010 through February 2011 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 2010 THROUGH FEBRUARY 2011

CONOCOPHILLIPS EAST HOBBS JUNCTION (AP-15)

HOBBS, LEA COUNTY, NEW MEXICO

Prepared for:



Prepared By:



TETRATECH, INC.

1910 N. Big Spring Street Midland, Texas 79705

April 25, 2011



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Mr. Glenn Von Gonten
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 2010 THROUGH FEBRUARY 2011
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). This report is a summary of the following activities performed from March 2010 through February 2011:

- 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.

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This report also presents four quarters of groundwater monitoring data collected in April, July and October 2010, and January 2011.

#### 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 I 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 27-28, July 27-28 and October 26-27, 2010, and January 25-26, 2011. 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 27 and 28, 2010, wells MW-3 through 6, MW-12 through 16, MW-18 through 27, and SVE-10 were sampled. On July 27-28, 2010, wells MW-4 through 6, MW-11 through 16, MW-18 through 27, and SVE-10 were sampled. On October 26-27, 2010 and January 25-26, 2011, wells MW-4 through 6, MW-12 through 16, MW-18 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. During January 2011, MW-24 through 27 were surveyed for latitude, longitude, and elevation with respect to area datum by a New Mexico Registered Professional Surveyor. This new data is included in Table 1 and the surveyor's report is included in Appendix A. 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 0.0012 feet per foot (ft/ft) in January 2011 to 0.0017 ft/ft in October 2010. 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. Well MW-17 has been dry since April 2009. An increase in groundwater elevations was seen in early 2010, but most wells resumed their decreasing trend in January 2011. All of the wells have now reached the lowest groundwater levels historically recorded since the wells were installed, with the exceptions of MW-18 and MW-21.

Groundwater analytical results for the April, July, and October 2010, and January 2011 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



Mr. Glenn Von Gonten April 25, 2011 Page 4 of 9

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-4, MW-5, MW-6, MW-15, MW-16, MW-24 through 27 and SVE-10, and remained generally consistent in wells MW-12 and MW-18. During the reporting time frame, the highest concentration of benzene was reported in well MW-3 at 6,300 micrograms per liter (µg/L; April 2010). This well was not sampled during the following three sampling events due to the presence of measurable liquid phase hydrocarbons (LPH). Also during the reporting time frame, well MW-11 reported the highest concentrations of TPH-GRO (29 milligrams per liter [mg/L]), and TPH-DRO (10 mg/L) in July 2010; however, this well was not sampled during the other three sampling events due to the presence of measurable LPH (Tables 2a and 2b).

#### 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 2010, and January 2011 are included as Figures 4a, 4b, 4c and 4d, respectively, and LPH measurements are summarized in Table 1.

During April and July 2010, only MW-2 and MW-9 recorded measurable LPH thicknesses, at 1.24 and 1.50 feet, respectively in April 2010, and 1.09 and 1.56 feet, respectively in July 2010. In October 2010, LPH was measured at 0.09 feet in MW-2, while none was measured in MW-9. Very thin LPH measurements of 0.01 to 0.02 feet were also measured in wells MW-3, MW-7 and MW-11 during October 2010. During January 2011, LPH was measured at 1.28 feet in MW-2 and 1.34 feet in MW-9, while 0.01 feet was measured in MW-3. While not shown on the figures, LPH measurements on March 1, 2011 recorded no measurable LPH in either MW-2 or MW-9. This fluctuation of LPH in MW-2 and MW-9 may be attributed to the effects of SVE at these two wells. Skimmer pumps are currently being installed back in MW-2 and MW-9.

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 2010 through February 2011, 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, only MW-2 and MW-9 have recorded measurable LPH above 0.5 feet, although intermittently, which may be attributed to SVE at these wells. Skimmer pumps are currently being installed in these two wells to capture what LPH is coming into these wells. Also, no disposal activities were performed at the Site during March 2010 through February 2011.

#### 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



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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 61,114 pounds (~30.5 tons) of VOCs have been removed from the vadose zone by the SVE system since startup on October 17, 2002 through February 2011. The yearly total of VOCs removed by SVE from March 2010 through February 2011 was approximately 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 2010 through February 2011 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:

- In the interior wells, concentrations of BTEX, TPH-GRO and TPH-DRO decreased overall in wells MW-4, MW-5, MW-6, MW-15, MW-16, MW-24 through 27 and SVE-10, and remained generally consistent in wells 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 61,114 pounds (~30.5 tons) of VOCs have been removed from the vadose zone by the SVE system since startup on October 17, 2002 through February 2011. The yearly total of VOCs removed by SVE from March 2010 through February 2011 was approximately 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 2010 through February 2011 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



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collected since January 2009 have shown have shown a cyclic response in the groundwater DO through February 2011, 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 April and July 2010, only MW-2 and MW-9 recorded measurable LPH thicknesses, at 1.24 and 1.50 feet, respectively in April 2010, and 1.09 and 1.56 feet, respectively in July 2010. In October 2010, LPH was measured at 0.09 feet in MW-2, while none was measured in MW-9. Very thin LPH measurements of 0.01 to 0.02 feet were also measured in wells MW-3, MW-7 and MW-11 during October 2010. During January 2011, LPH was measured at 1.28 feet in MW-2 and 1.34 feet in MW-9, while 0.01 feet was measured in MW-3. LPH measurements on March 1, 2011 recorded no measurable LPH in either MW-2 or MW-9. This fluctuation of LPH in MW-2 and MW-9 may be attributed to the effects of SVE at these two wells.
- Due to the reduced LPH plume thickness, no crude oil recovery was performed at the Site during March 2010 through February 2011, and the skimmer pumps have been removed from the wells to facilitate groundwater and LPH measurement access. However, skimmer pumps are currently being installed back into MW-2 and MW-9 to capture what LPH is coming into these wells. From initial abatement activities through February 2011, 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:

• During previous discussion with Mr. Von Gonten (NMOCD-Santa Fe) on April 19, 2010, Tetra Tech forwarded a verbal proposal to amend the current quarterly groundwater monitoring schedule to a semi-annual monitoring schedule, based on the extensive amount of data existing from approximately 7 years of quarterly groundwater sampling. In response, Mr. Von Gonten stated that he would like to see a proposal to this effect that includes installing additional recovery wells at the Line NMI-1 site to



expedite product recovery there and provisions to perform groundwater sampling at all the recovery wells once per year for indicative parameters at both Line NMI-I and East Hobbs Junction. Based on the fact that four new crude oil recovery wells have now been installed at the Line NMI-I site, it is recommended that a proposal be presented to the NMOCD to change the groundwater monitoring schedule from quarterly to semi-annual sampling, including yearly groundwater sampling at all the recovery wells at both sites.

- 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. Skimmer pumps are currently being installed in MW-2 and MW-9
  to recovery what LPH is coming into these 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,

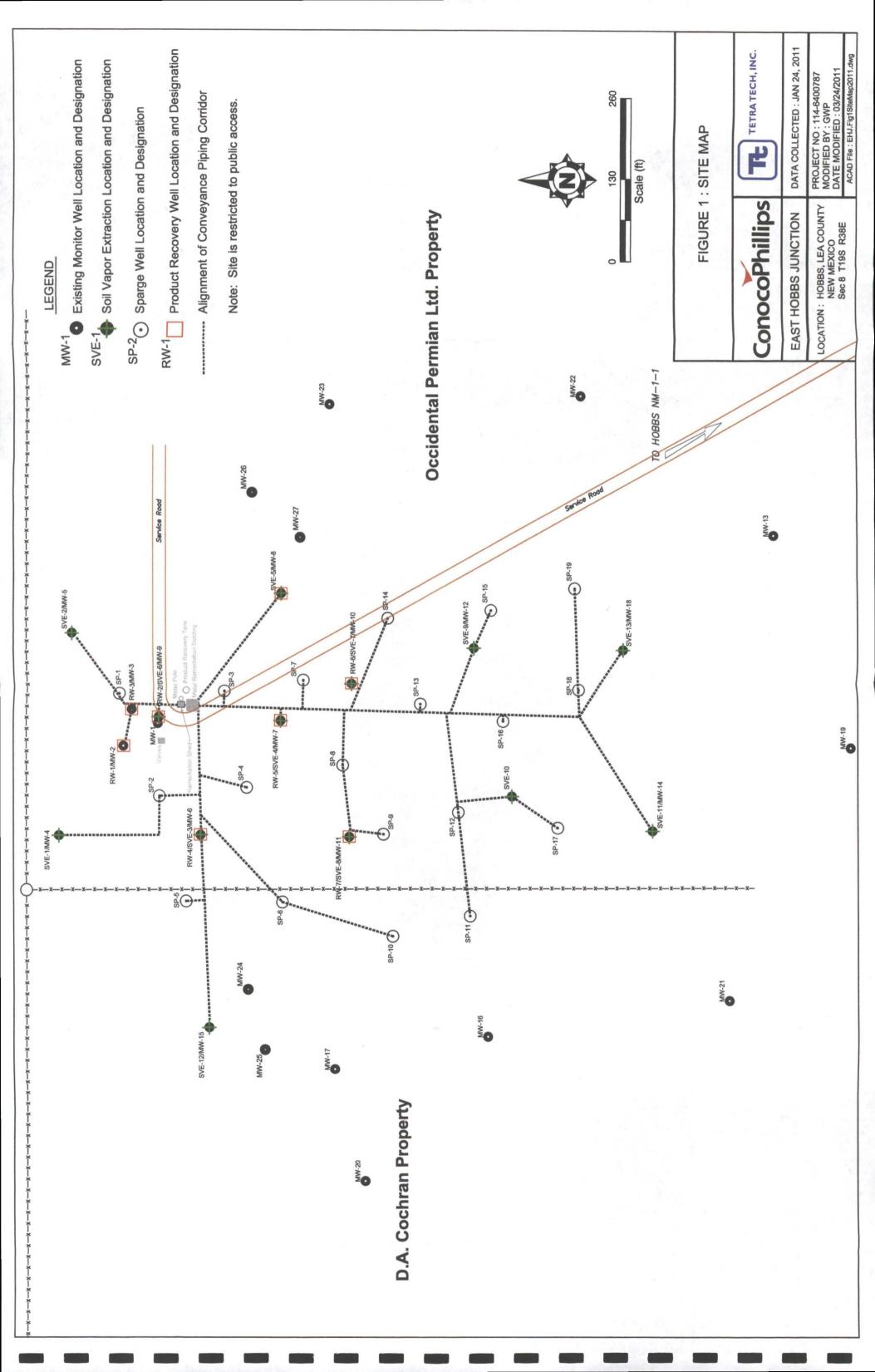
**TETRA TECH** 

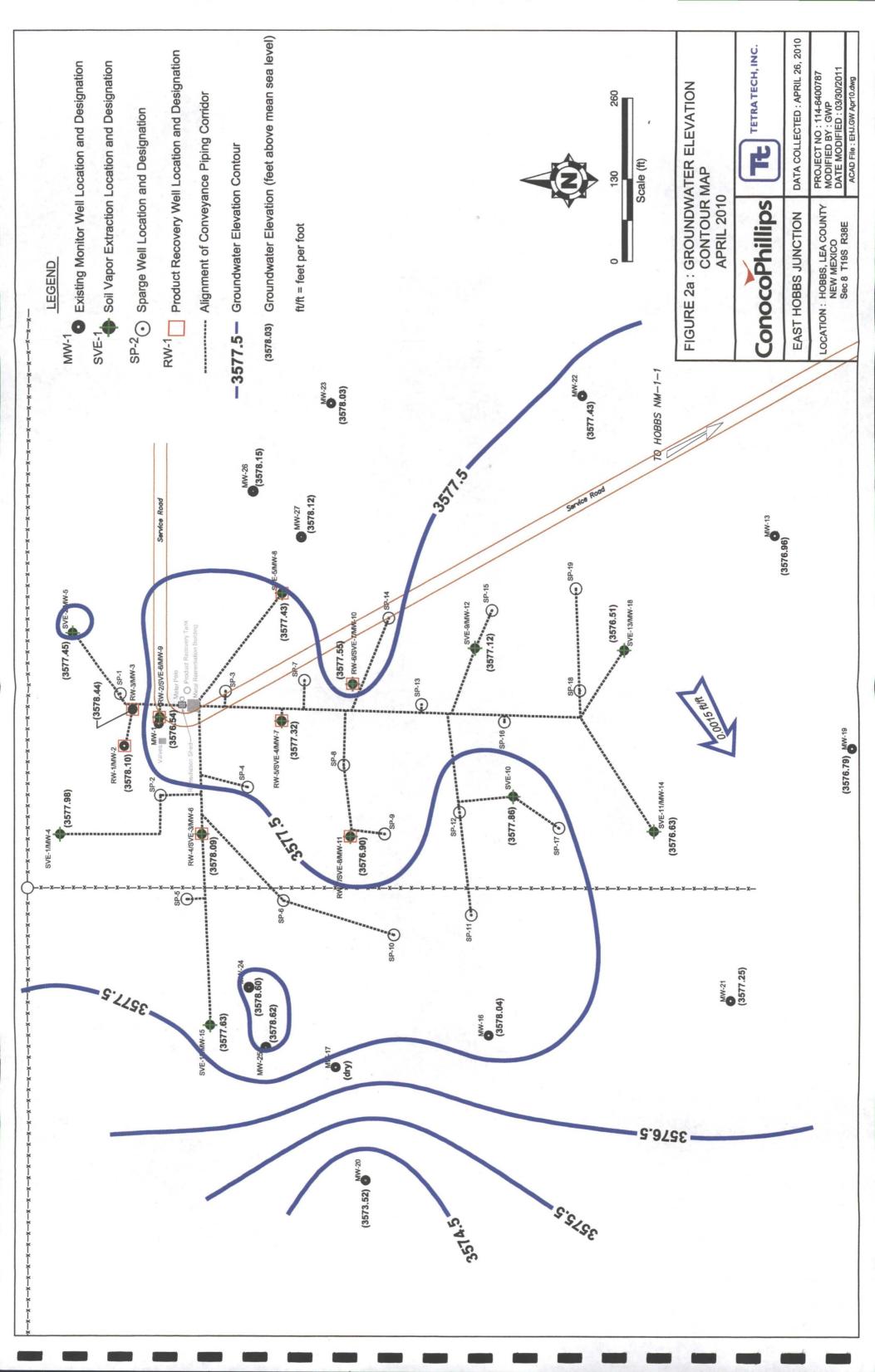
Greg/W. Pope, P.G.

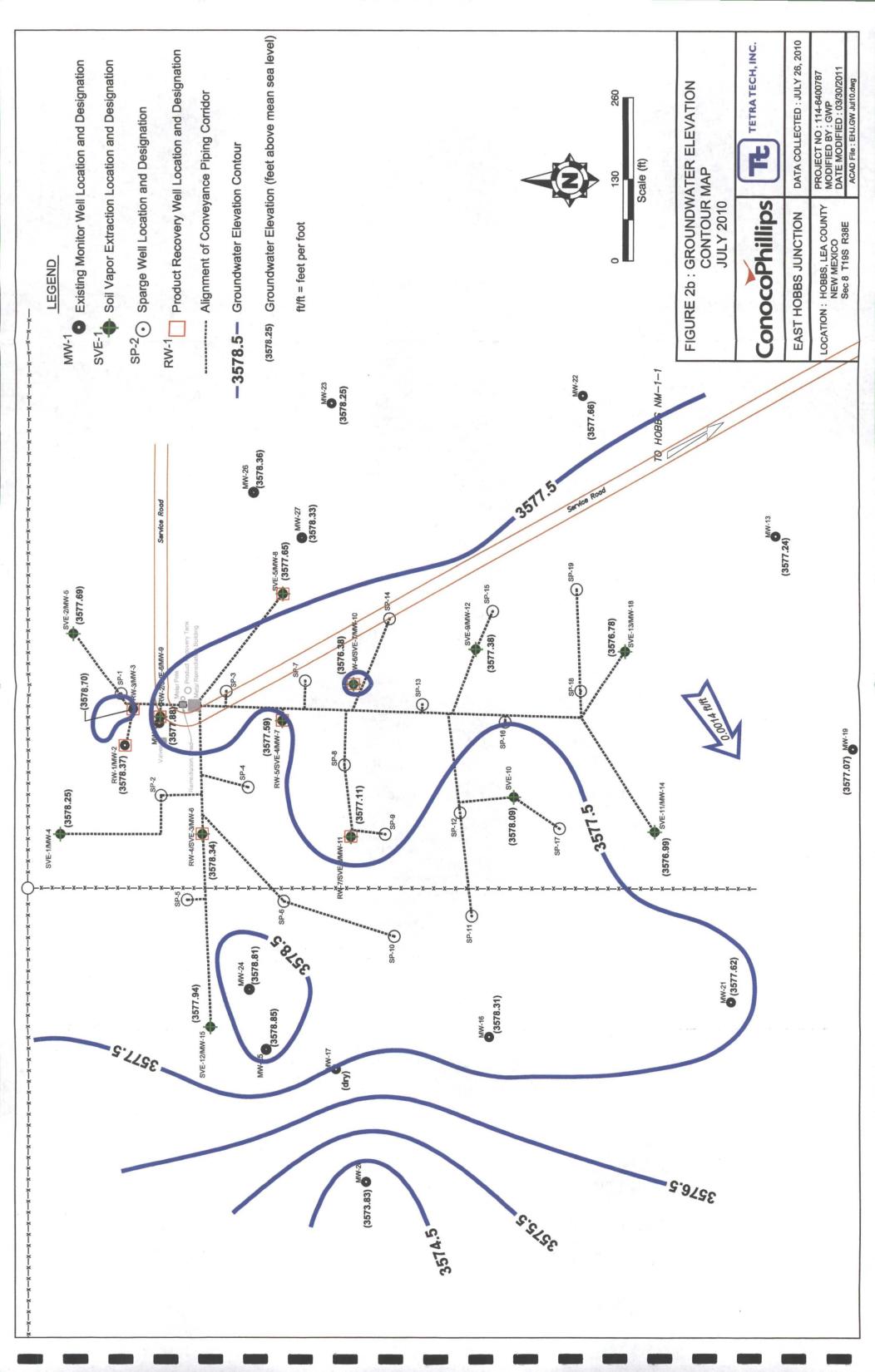
Project Manager

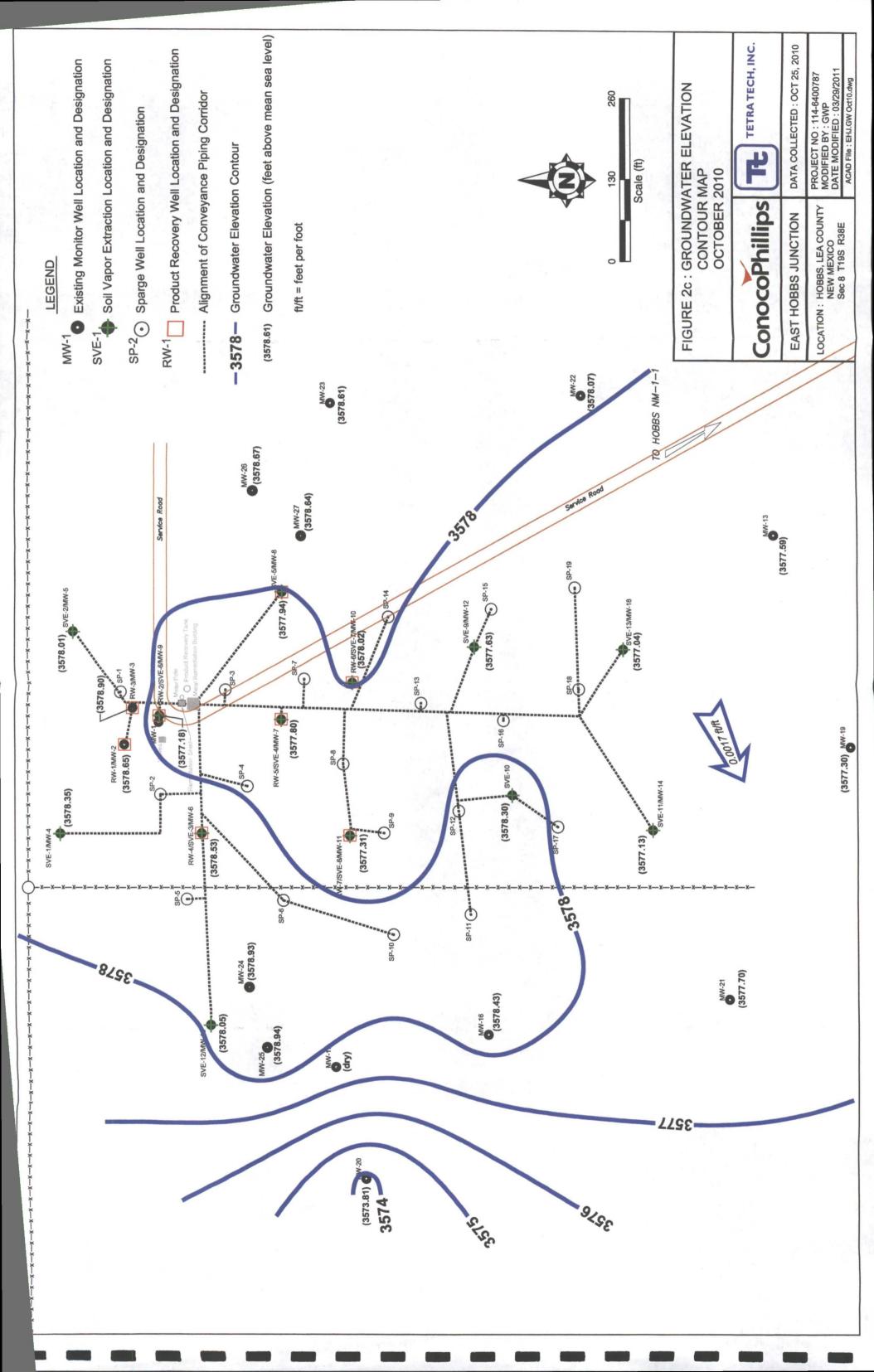
### **FIGURES**

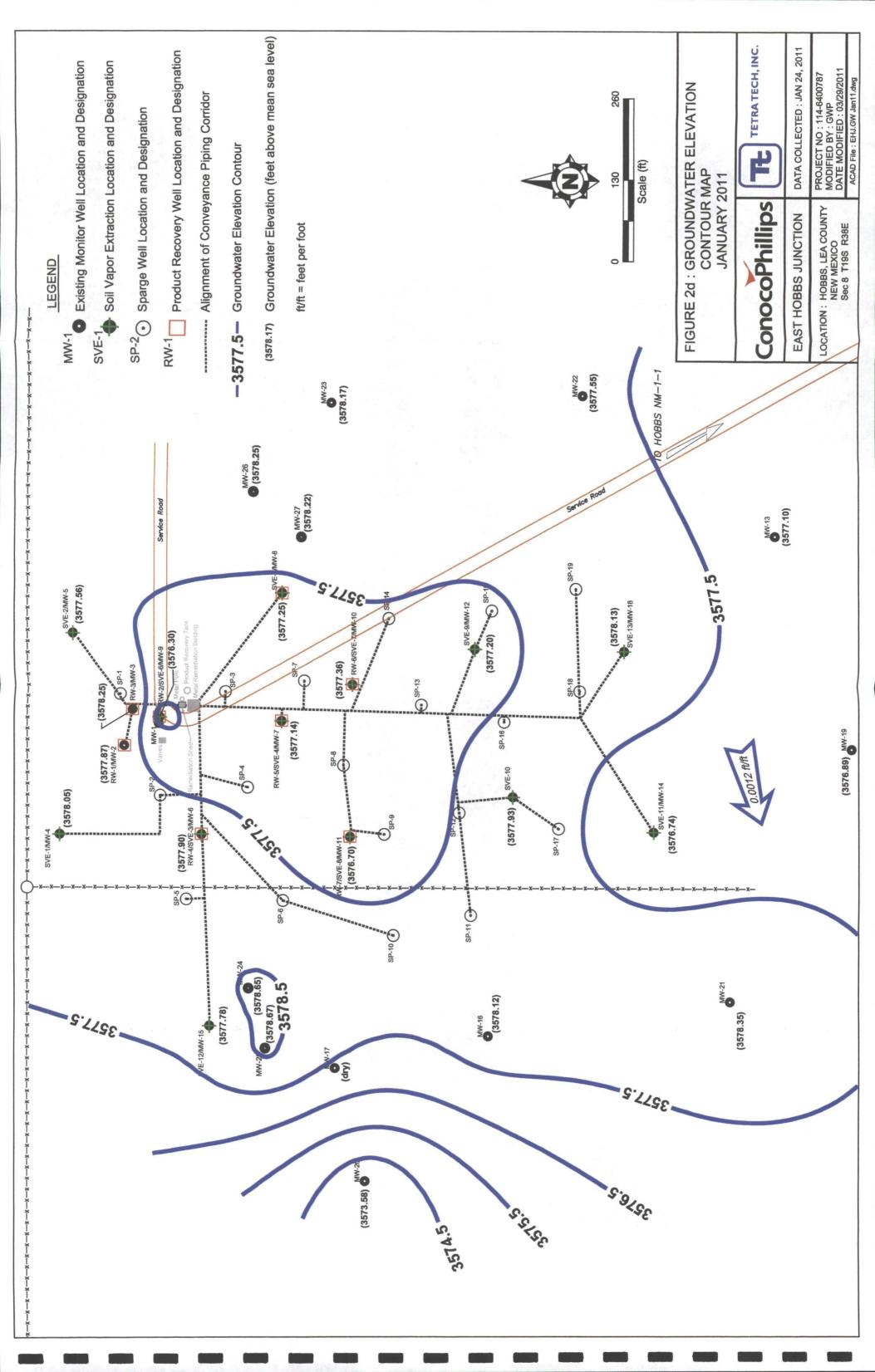
Figure I	Site Map
Figure 2a	Groundwater Contour Map – April 2010
Figure 2b	Groundwater Contour Map – July 2010
Figure 2c	Groundwater Contour Map - October 2010
Figure 2d	Groundwater Contour Map – January 2011
Figure 3a	Summary of Groundwater Analytical Results - April 2010
Figure 3b	Summary of Groundwater Analytical Results – July 2010
Figure 3c	Summary of Groundwater Analytical Results - October 2010
Figure 3d	Summary of Groundwater Analytical Results – January 2011
Figure 4a	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map - April 2010
Figure 4b	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – July 2010
Figure 4c	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map - October 2010
Figure 4d	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map - January 2011
Figure 5	VOC Emissions Data

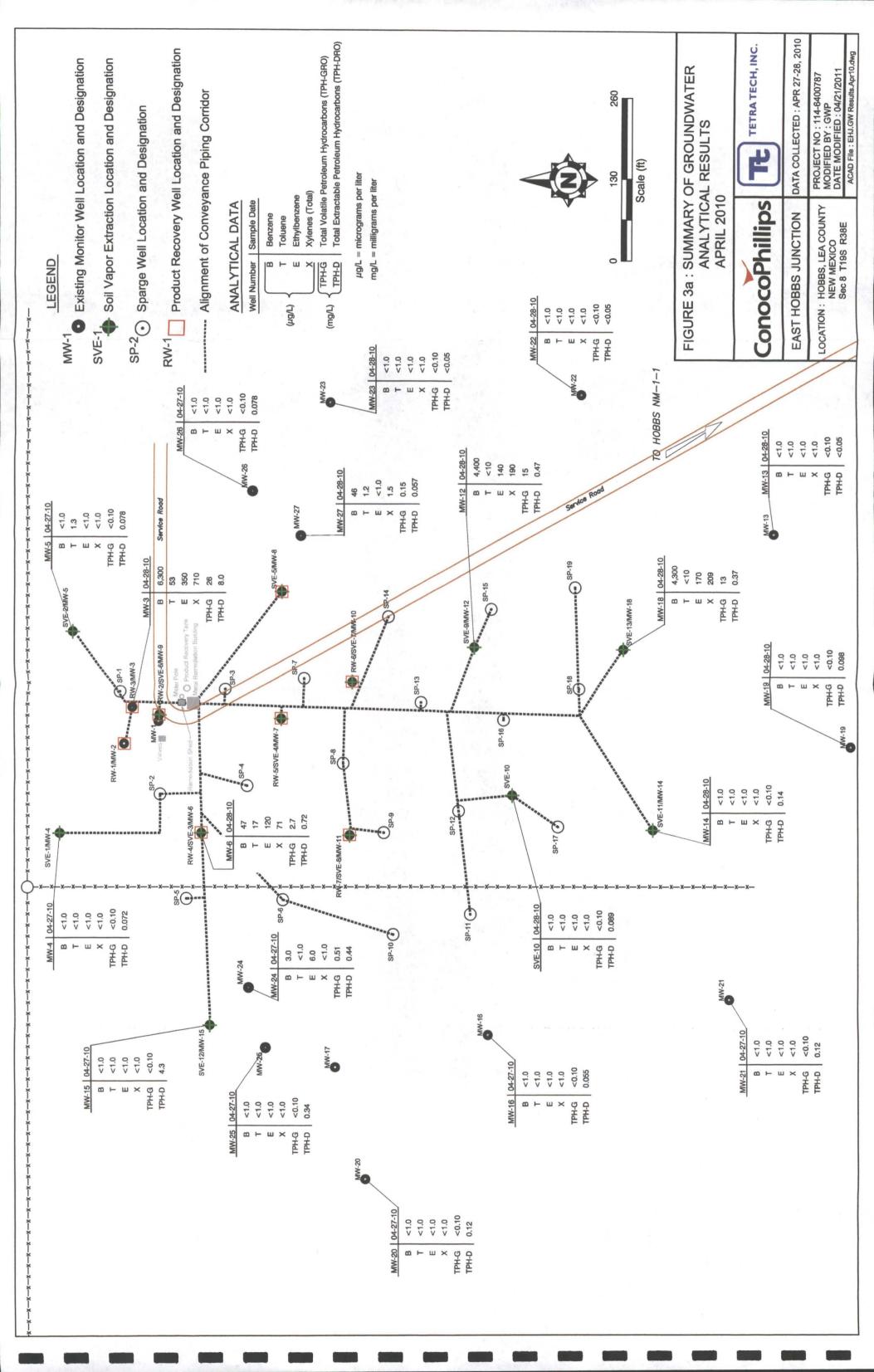


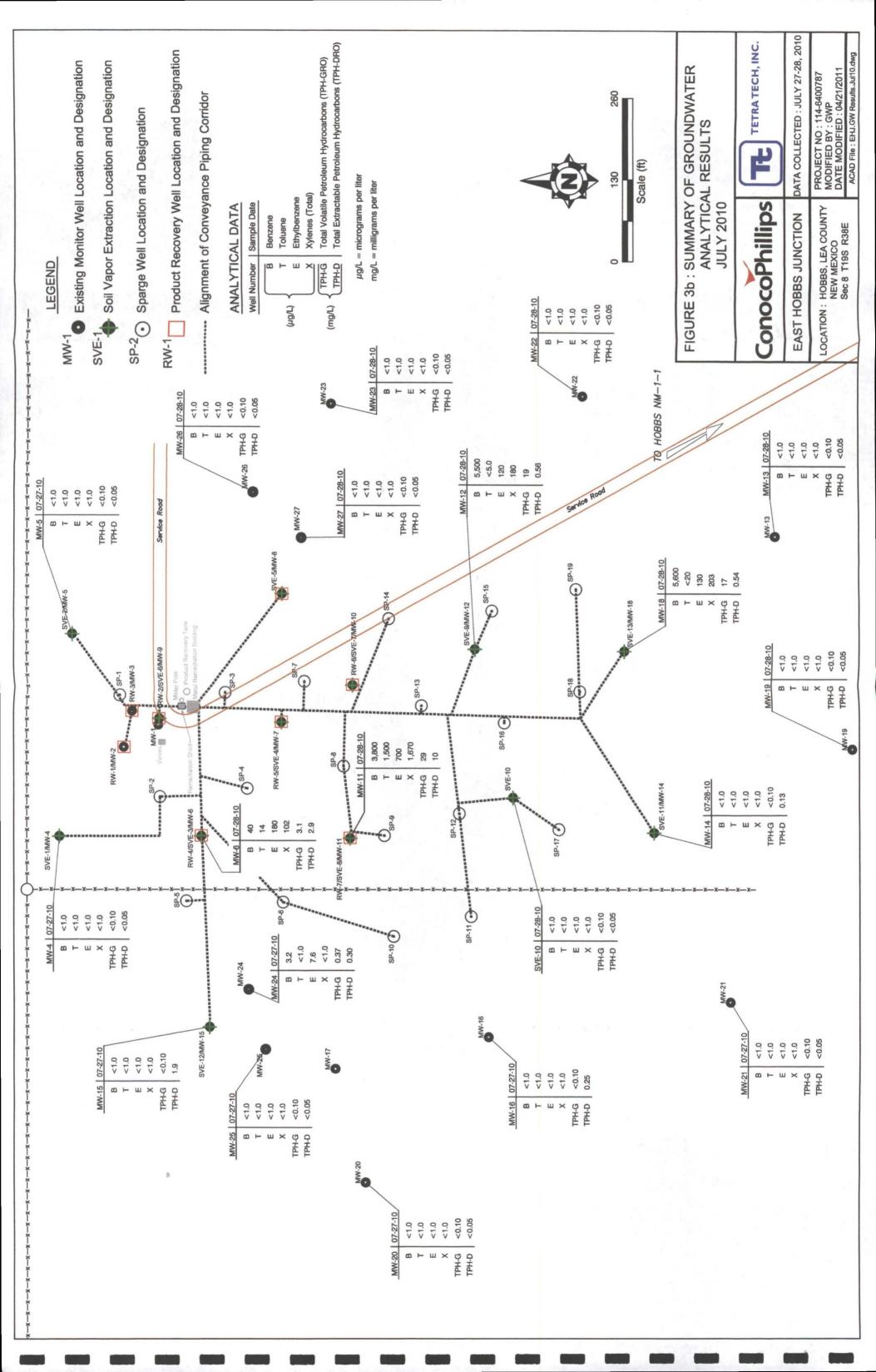


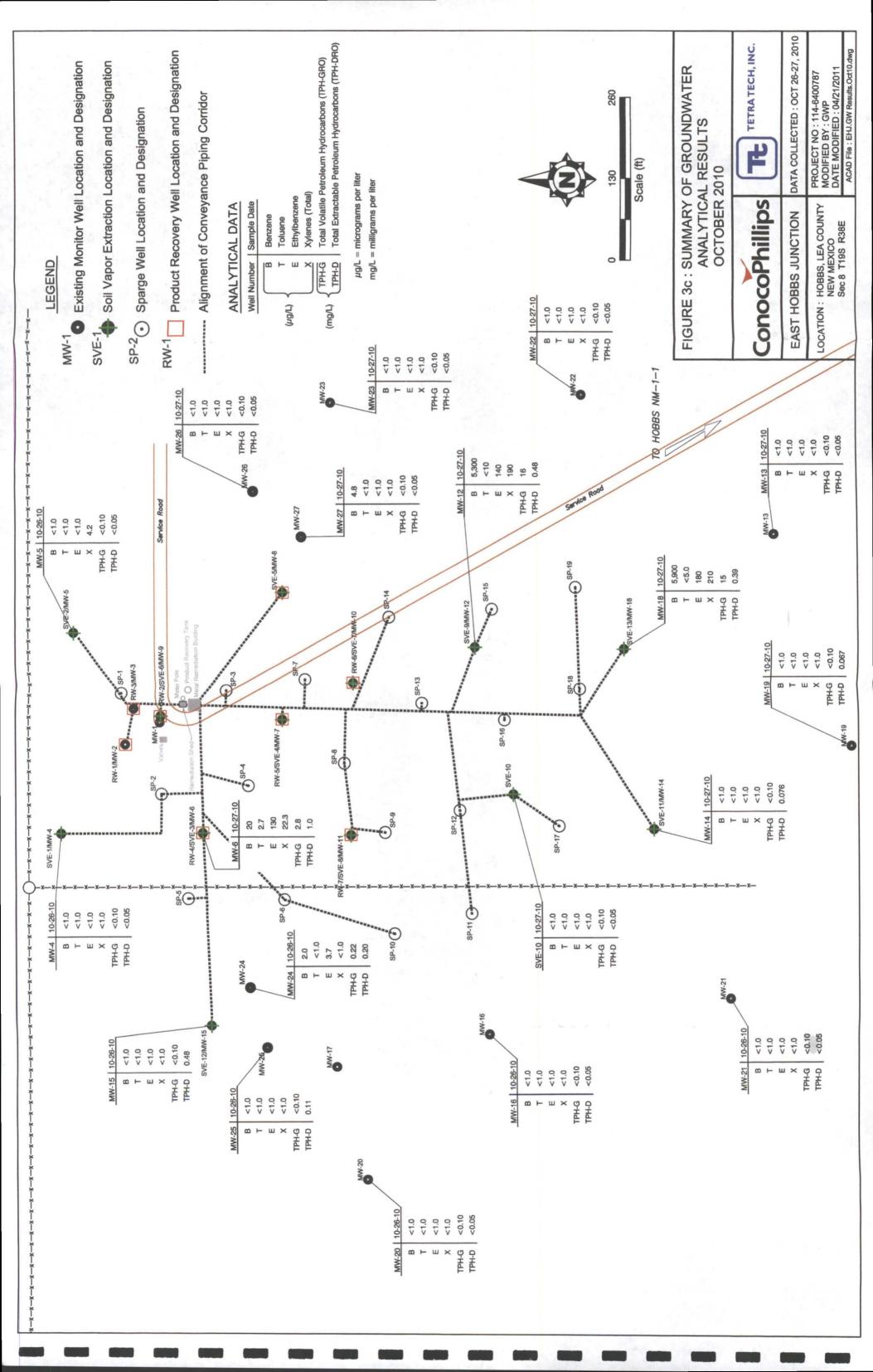


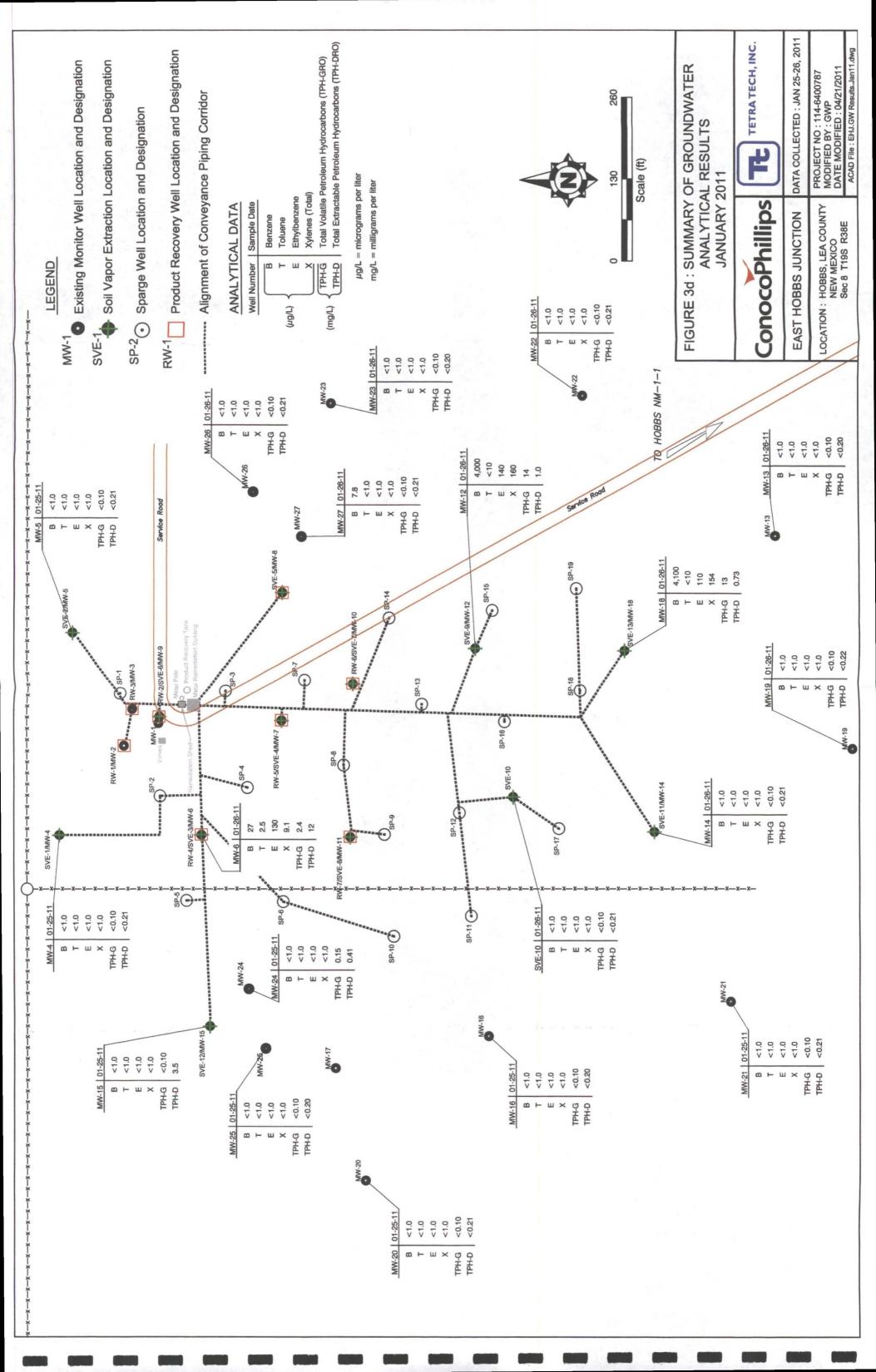


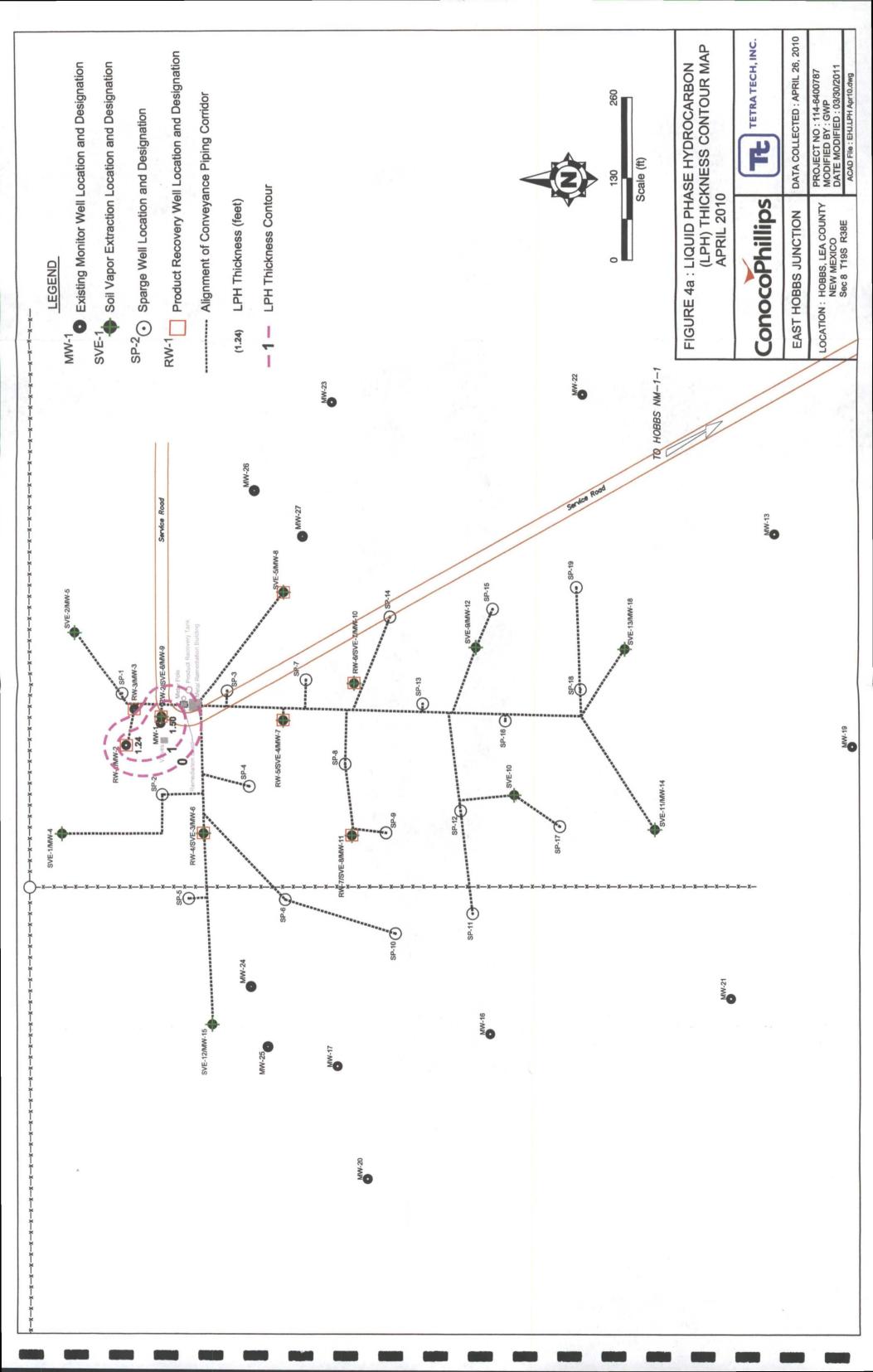


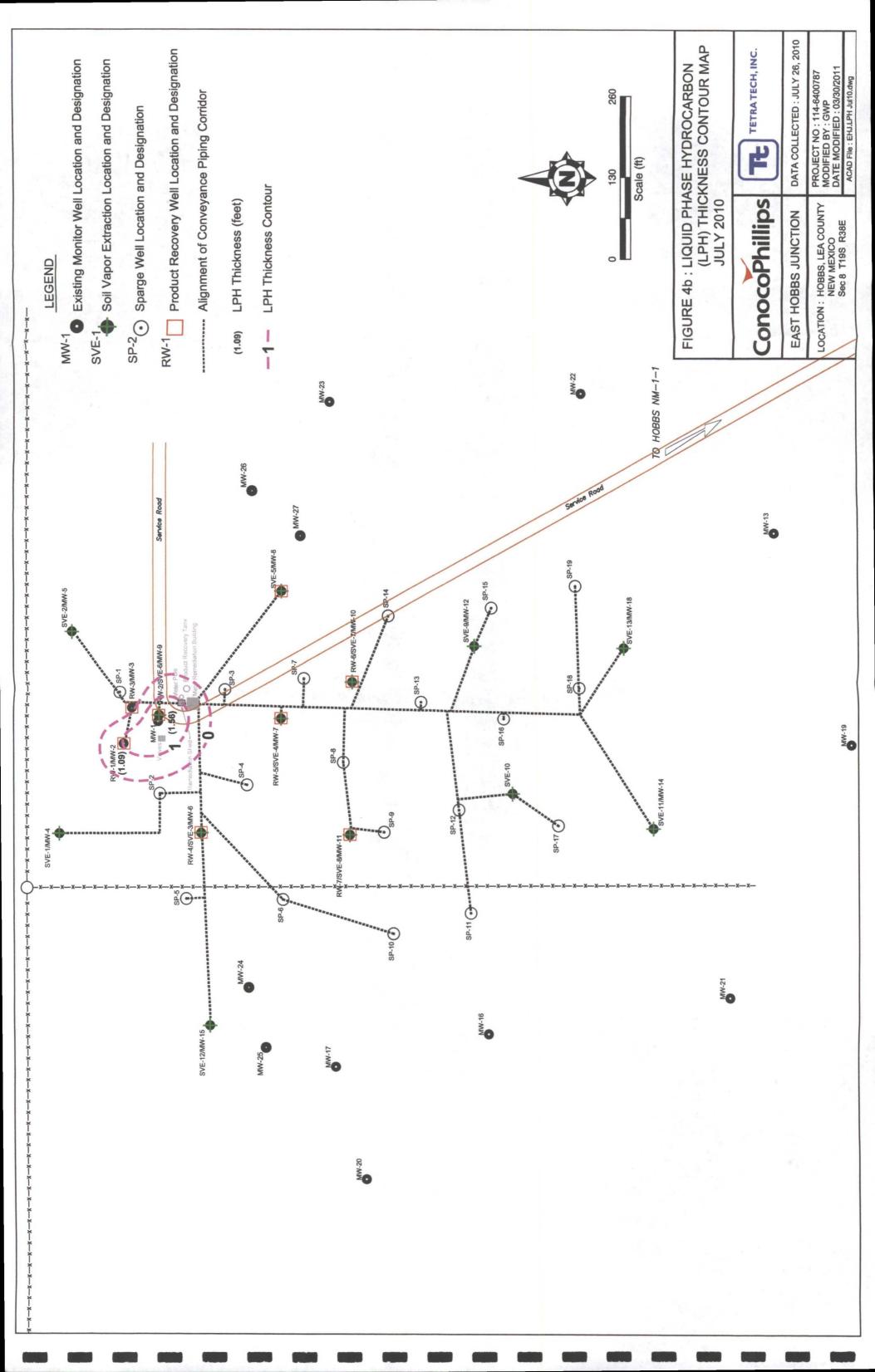


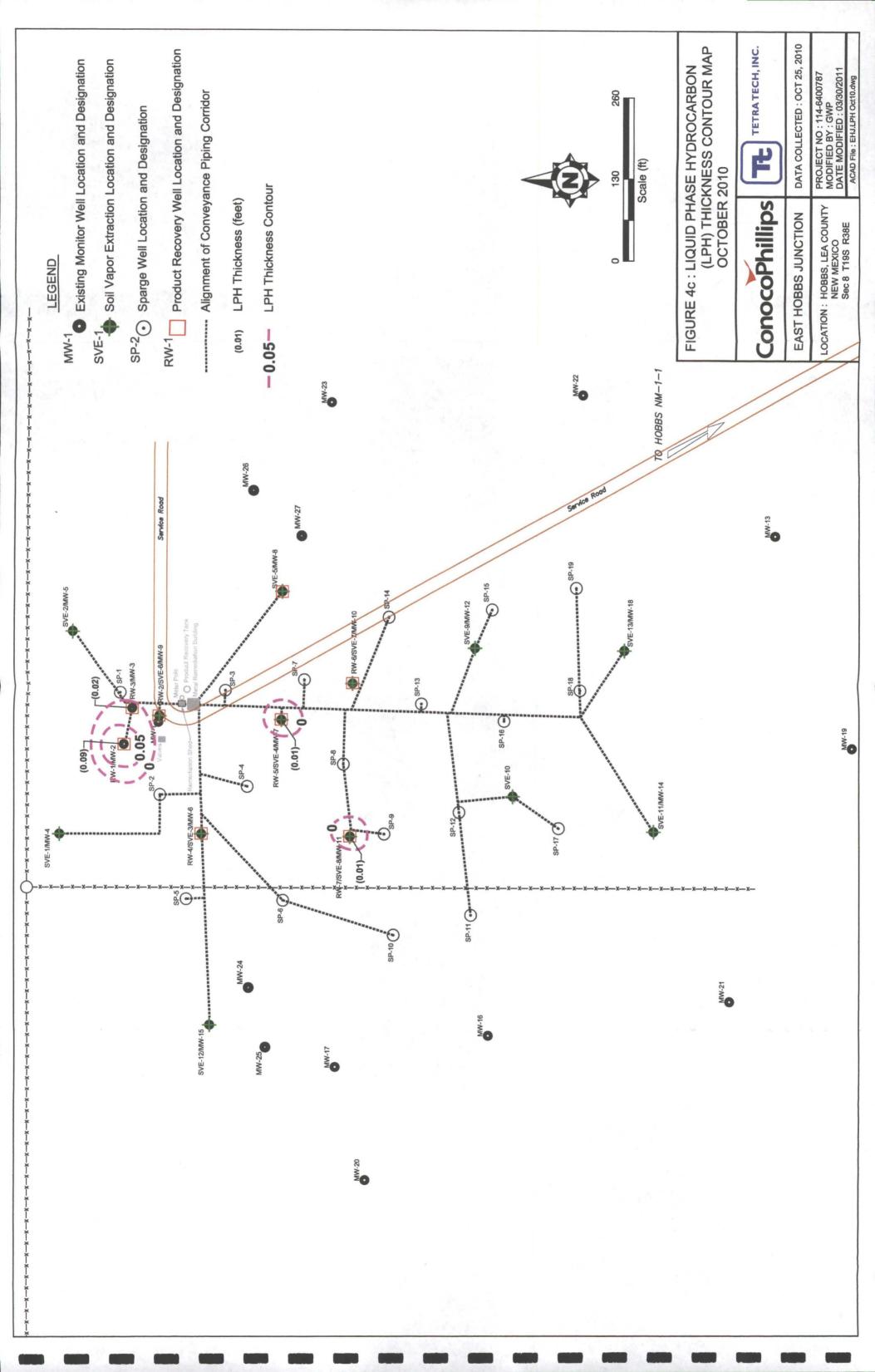


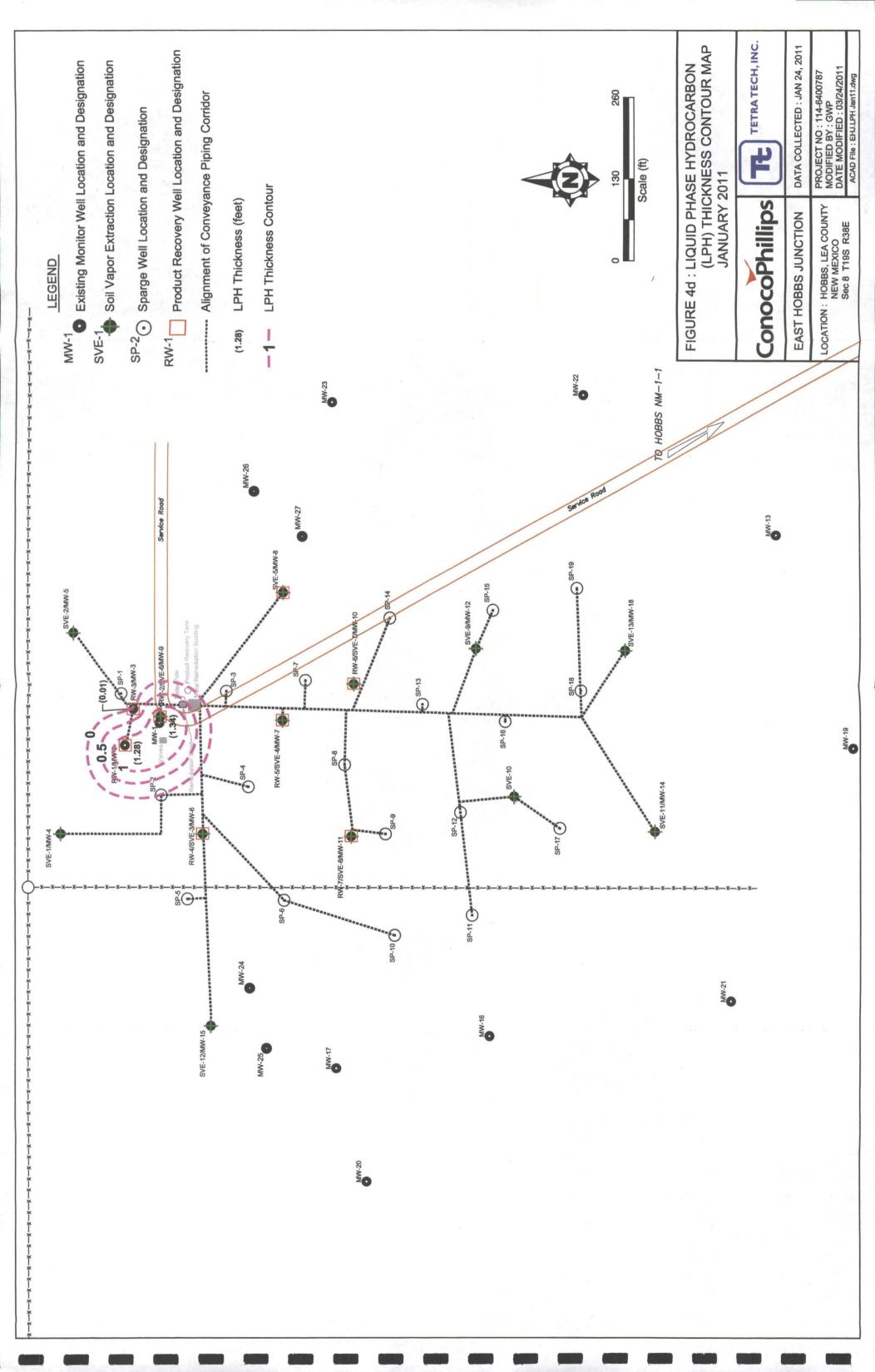






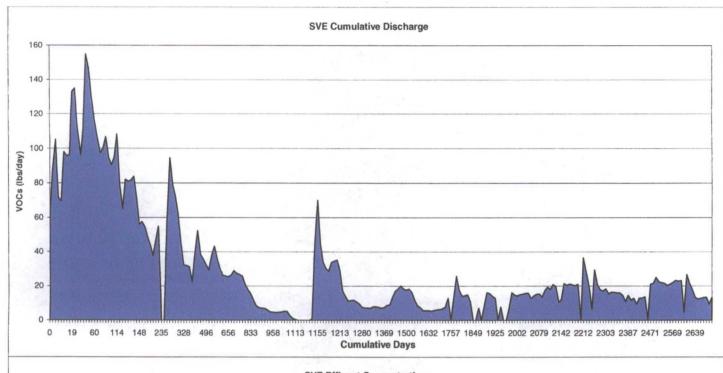


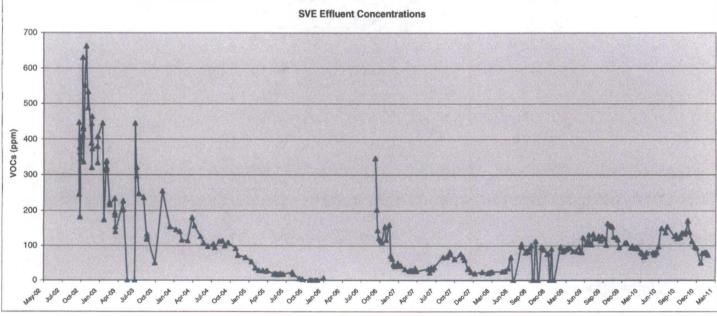




#### Figure 5 VOC Emissions Data

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico





### **TABLES**

i abie i	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

ConocoPhillips - East Hobbs Junction

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 3606.28	24.29 24.31		0.00	0.00	24.29 24.31	3581.99 3581.97
	10/17/05	3606.28	24.31		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	03/01/01	3606.45	26.88	24.29	2.59	2.07	24.81	3581.64
(RW-1)	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 3579.14
	11/05/03 01/19/04	3606.45 3606.45	28.74 28.42	26.95 27.35	1.79 1.07	1.43 0.86	27.31 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	0.02	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 07/18/05	3606.45 3606.45	25.08 25.10	25.10	0.00	0.00	25.08 25.10	3581.37 3581.35
	10/17/05	3606.45	25.10	24.88	0.00	0.00	24.90	3581.55
	12/28/05	3606.45	25.15	24.00	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
٠.	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 10/22/07	3606.45 3606.45	26.38 26.38	26.25 26.29	0.13	0.10	26.28 26.31	3580.17 3580.14
	01/28/08	3606.45	26.39	26.32	0.09	0.07	26.33	3580.14
	04/21/08	3606.45	26.62	26.54	0.07	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
	04/26/10	3606.45	29.34	28.10	1.24	0.99	28.35	3578.10
	07/26/10	3606.45	28.95	27.86	1.09	0.87	28.08	3578.37
	10/25/10	3606.45	27.87	27.78	0.09	0.07	27.80	3578.65
	01/24/11 03/01/11	3606.45 3606.45	29.60 29.88	28.32	1.28 0.00	1.02 0.00	28.58 29.88	3577.87 3576.57

#### ConocoPhillips - East Hobbs Junction

Hobbs, New Mexico (all measurements in feet)

		~ -		measuremen		L.P.H.		-
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-3	03/01/01	3606.33	26.92	24.19	2.73	2.18	24.74	3581.59
(RW-3)	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 06/25/03	3606.33 3606.33	29.02 28.06	26.24 26.47	2.78 1.59	2.22 1.27	26.80 26.79	3579.53 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
İ	04/20/04	3606.33	28.64	27.19	1.45	1.16	27.48	3578.85
1	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 03/08/05	3606.33 3606.33	24.78 24.76		0.00	0.00	24.78 24.76	3581.55 3581.57
1	03/08/05	3606.33	24.70		0.00	0.00	24.69	3581.57
1	04/18/05	3606.33	24.56	24.55	0.01	0.01	24.55	3581.78
ľ	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
1	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 01/23/06	3606.33 3606.33	24.69 24.66	24,47	0.00 0.19	0.00	24.69 24.51	3581.64 3581.82
	04/24/06	3606.33	25.10	25.03	0.19	0.15	25.04	3581.82
	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 04/21/08	3606.33 3606.33	25.82 26.05	25.81	0.01	0.01	25.81 26.05	3580.52 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 01/25/10	3606.33	27.45		0.00	0.00	27.45	3578.88
ľ	04/26/10	3606.33 3606.33	27.58 27.89		0.00	0.00	27.58 27.89	3578.75 3578.44
	07/26/10	3606.33	27.63		0.00	0.00	27.63	3578.70
	10/25/10	3606.33	27.45	27.43	0.02	0.02	27.43	3578.90
	01/24/11	3606.33	28.09	28.08	0.01	0.01	28.08	3578.25
MW-4	03/01/01	3606.69	24.60	·	0.00	0.00	24.60	3582.09
(SVE-1)	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
1	05/21/02	3606.69	25.95		0.00	0.00	25.95	3580.74
	06/08/02 06/15/02	3606.69 3606.69	26.00 26.00		0.00	0.00	26.00 26.00	3580.69 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
1	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

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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-4	01/22/03	3606.37	26.68		0.00	0.00	26.68	3579.69
(SVE-1)	02/14/03	3606.37	26.88		0.00	0.00	26.88	3579.49
cont.	02/24/03	3606.37	26.90		0.00	0.00	26.90	3579.47
i	04/07/03	3606.37	27.00		0.00	0,00	27.00	3579.37
1	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
1	01/19/04	3606.37	27.71		0.00	0.00	27.71	3578.66
	04/19/04 07/20/04	3606.37 3606.37	27.64	<del></del> -	0.00	0.00	27.64	3578.73
	10/25/04	3606.37	27.90 26.21		0.00	0.00	27.90 26.21	3578.47 3580.16
1	01/24/05	3606.37	25.42		0.00	0.00	25.42	3580.16
	04/18/05	3606.37	25.10		0.00	0.00	25.10	3581.27
i	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
	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 07/21/08	3606.37 3606.37	26.47 26.74		0.00	0.00	26.47 26.74	3579.90 3579.63
1	10/20/08	3606.37	27.15		0.00	0.00	27.15	3579.03
1	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
	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
	04/26/10	3606.37	28.39		0.00	0.00	28.39	3577.98
1	07/26/10	3606.37	28.12		0.00	0.00	28.12	3578.25
1	10/25/10	3606.37	28.02		0,00	0.00	28.02	3578.35
	01/24/11	3606.37	28.32		0.00	0.00	28.32	3578.05
MW-5	03/01/01	3605.52	24.03		0.00	0.00	24.03	3581.49
(SVE-2)	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
1	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
1	06/08/02 06/15/02	3605.52 3605.52	25.13 25.13		0.00	0.00	25.13 25.13	3580.39
·	10/15/02	3604.90	26.20		0.00	0.00	25.13	3580.39 3578.70
.]	10/13/02	3604.90	26.19		0.00	0.00	26.19	3578.70
	10/25/02	3604.90	26.21		0.00	0.00	26.21	3578.71
1	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
1	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
ľ	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
1	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
1	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

ConocoPhillips - East Hobbs Junction

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-5	04/19/04	3604.90	26.93		0.00	0.00	26.93	3577.97
(SVE-2)	07/20/04	3604.90	27.17		0.00	0.00	27.17	3577.73
cont.	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 07/24/06	3604.90 3604.90	24.66		0.00	.0.00	24.66	3580.24
	10/23/06	3604.90	25.03 24.91		0.00	0.00	25.03 24.91	3579.87 3579.99
	01/23/07	3604.90	24.91		0.00	0.00	24.90	3580.00
	04/23/07	3604.90	25.22		0.00	0.00	25.22	3579.68
ł	07/23/07	3604.90	25.35	i	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
I	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	26.23		0.00	0.00	26.23	3578.67
]	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	26.92	*	0.00	0.00	26.92	3577.98
	01/25/10	3604.90	27.22		0.00	0.00	27.22	3577.68
	04/26/10	3604.90	27.45	<u> </u>	0.00	. 0.00	27.45	3577.45
]	07/26/10	3604.90	27.21		0.00	0.00	27.21	3577.69
	10/25/10	3604.90	26.89		0.00	0.00	26.89	3578.01
ļ	01/24/11	3604.90	27.34		0.00	0.00	27.34	3577.56
MW-6	03/01/01	3606.14	25.54	24.51	1.03	0.82	24.72	3581.42
(RW-4)	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 06/25/03	3606.14 3606.14	27.64	25.66	1.98	1.58	26.06	3580.08
	09/11/03	3606.14	28.31 28.46	26.78 26.83	. 1.53 1.63	1.22	27.09	3579.05 3578.98
	11/05/03	3606.14	28.02	27.19	0.83	0.66	27.16 27.36	3578.78
ļ	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	<del></del>	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 10/17/05	3606.14 3606.14	24.84 24.75		0.00	0.00	24.84	3581.30
	10/17/05	3606.14	24.75		0.00	0.00	24.75 24.90	3581.39 3581.24
	01/10/06	3606.14	24.96		0.00	0.00	24.96	3581.24
]	01/10/06	3606.14	24.94		0.00	0.00	24.94	3581.18
	04/24/06	3606.14	25.31	25.31	0.00	0.00	25.31	3581.20
	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

ConocoPhillips - East Hobbs Junction

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	04/21/08	3606.17	26.32		0.00	0.00	26.32	3579.85
(RW-4)	07/21/08	3606.17	26.60		0.00	0.00	26.60	3579.57
cont.	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 27.64		0.00	0.00	27.50	3578.67
	10/26/09 01/25/10	3606.17 3606.17	27.85		0.00	0.00	27.64 27.85	3578.53 3578.32
	04/26/10	3606.17	28.08		0.00	0.00	28.08	3578.09
	07/26/10	3606.17	27.83		0.00	0.00	27.83	3578.34
	10/25/10	3606.17	27.64		0.00	0.00	27.64	3578.53
	01/24/11	3606.17	28.27		0.00	0.00	28.27	3577.90
MW-7	03/01/01	3605.50	26.61	23.73	2.88	2.30	24.31	3581.19
(RW-5)	06/25/01	3605.50	25.35	25.30	0.05	0.04	25.31	3580.19
(K(1/3)	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 04/18/05	3605.50 3605.50	26.56 25.84	24.45 24.58	2.11 1.26	1.69	24.87	3580.63
	05/09/05	3605.50	25.84	24.54	1.60	1.01 1.28	24.83 24.86	3580.67 3580.64
	06/10/05	3605.50	26.14	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	2.17,0	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
	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 25.33	0.02	0.02	25.25	3580.25
	03/29/06	3605.50 3605.50	25.34		0.01	0.01	25.33	3580.17
	04/04/06 04/11/06	3605.50 3605.50	25.37 25.42	25.36 25.41	0.01	0.01 0.01	25.36 25.41	3580.14 3580.09
	04/11/06	3605.50	25.44	25.42	0.01	0.01	25.42	3580.09
	04/17/06	3605.50	25.39	25.36	0.02	0.02	25.37	3580.08
	05/03/06	3605.50	25.51	25.49	0.03	0.02	25.49	3580.13
	05/31/06	3605.50	25.65	25.62	0.02	0.02	25.63	3579.87
	06/09/06	3605.50	25.71	25.66	0.05	0.02	25.67	3579.83
	06/12/06	3605.50	25.73	25.67	0.05	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

ConocoPhillips - East Hobbs Junction

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	07/17/06	3605.50	25.88	25.86	0.02	0.02	25.86	3579.64
(RW-5)	07/24/06	3605.50	25.79	25.75	0.04	0.03	25.76	3579.74
cont.	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 10/23/06	3605.50 3605.50	25.99 25.80	25.78	0.21 0.20	0.17	25.82	3579.68
	10/23/06	3605.50	25.86	25.60 24.92	0.20	0.16 0.75	25.64 25.11	3579.86 3580.39
	11/06/06	3605.50	26.01	25.73	0.28	0.73	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 05/29/07	3605.50 3605.50	26.55 26.59	26.20	0.35	0.28	26.27	3579.23
	06/04/07	3605.50	26.89	26.21 26.21	0.38 0.68	0.30 0.54	26.29 26.35	3579.21 3579.15
	06/11/07	3605.50	26.61	26.23	0.38	0.30	26.31	3579.19
	06/11/07	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 10/02/07	3605.50	26.43	26.21	0.22	0.18	26.25	3579.25
	10/02/07	3605.50 3605.50	26.32 26.34	26.17 26.20	0.15 0.14	0.12 0.11	26.20 26.23	3579.30 3579.27
	10/11/07	3605.50	26.34	26.20	0.14	0.11	26.23	3579.27 3579.40
	10/22/07	3605.50	26.27	26.14	0.22	0.18	26.17	3579.40
	11/12/07	3605.50	26.30	26.14	0.15	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

#### ConocoPhillips - East Hobbs Junction

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	04/21/08	3605.50	26.46	26.38	0.08	0.06	26.40	3579.10
(RW-5)	04/28/08	3605.50	26.63	26.61	0.02	0.02	26.61	3578.89
cont.	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
Į.	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
l	06/30/08	3605.50	26.84	26.82	0.02	0.02	26.82	3578.68
ļ	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 08/18/08	3605.50 3605.50	27.02 27.06	26.96 27.02	0.06	0.05	26.97 27.03	3578.53 3578.47
	09/09/08	3605.50	27.06	27.02	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
l	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
į	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	0.00	27.29	3578.21
Į.	01/19/09	3605.50	27.03	27.02	0.01	0.01	27.02	3578.48
	01/26/09 02/10/09	3605.50	27.37 27.41		0.00	0.00	27.37	3578.13
	02/16/09	3605.50 3605.50	27.43		0.00	0.00	27.41 27.43	3578.09 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 3605.50	27.58		0.00	0.00	27.58	3577.92
Į	06/15/09 06/29/09	3605.50 3605.50	27.65 27.63		0.00	0.00	27.65 27.63	3577.85 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
	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

#### ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

(all measurements in feet)

Well Number MW-7 (RW-5)	Sample Date	Casing	Depth to	Depth to		L.P.H. Thickness X		
Number MW-7	- 1			i Deniaio	L.P.H.	i inickness a	Adjusted Depth	Groundwater
MW-7		Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
	11/10/09	3605.50	27.88		0.00	0.00	27.88	3577.62
(1411-5)	11/10/09	3605.50	27.90		0.00	0.00	27.90	3577.60
cont.	11/30/09	3605.50	27.94		0.00	0.00	27.94	3577.56
	12/07/09	3605.50	27.93		0.00	0.00	27.93	3577.57
1.	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
ı	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
ļ	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
, , <u>,</u> ,	03/29/10	3605.50	28.30		0.00	0.00	28.30	3577.20
, I	04/05/10	3605.50	28.34		0.00	0.00	28.34	3577.16
	04/13/10	3605.50	28.32		0.00	0.00	28.32	3577.18
, I	04/19/10 04/26/10	3605.50 3605.50	28.38 28.18		0.00	0.00	28.38 28.18	3577.12 3577.32
. •	05/03/10	3605.50	28.41		0.00	0.00	28.41	3577.09
, <b>l</b>	05/14/10	3605.50	28.46		0.00	0.00	28.46	3577.04
ŀ	05/20/11	3605.50	28.43		0.00	0.00	28.43	3577.07
ŀ	05/27/10	3605.50	· 28.44		0.00	0.00	28.44	3577.06
ļ	06/01/10	3605.50	28.47		0.00	0.00	28.47	3577.03
İ	06/07/10	3605.50	28.49		0.00	0.00	28,49	3577.01
Ī	06/15/10	3605.50	28.53		0.00	0.00	28.53	3576.97
	06/28/10	3605.50	28.50		0.00	0.00	28.50	3577.00
	07/06/10	3605.50	28.50		0.00	0.00	28.50	3577.00
	07/13/10	3605.50	28.33		0.00	0.00	28.33	3577.17
	07/19/10	3605.50	28.28		0.00	0.00	28.28	3577,22
ļ	07/26/10	3605.50	27.91		0.00	0.00	27.91	3577.59
į	08/09/10	3605.50	28.11		0.00	0.00	28.11	3577.39
	08/16/10	3605.50	28.07		0.00	0.00	28.07	3577.43
ŀ	08/30/10	3605.50	28.04	,	0.00	0.00	28.04	3577.46
ŀ	09/07/10	3605.50	27.99		0.00	0.00	27.99	3577.51
ŀ	09/13/10	3605.50	28.00		0.00	0.00	28.00	3577.50
ŀ	09/20/10 09/27/10	3605.50 3605.50	27.95 27.99		0.00	0.00	27.95 27.99	3577.55 3577.51
ŀ	10/04/10	3605.50	27.95		0.00	0.00	27.95	3577.55
ŀ	10/12/10	3605.50	27.99		0.00	0.00	27.99	3577.51
ľ	10/19/10	3605.50	27.96		0.00	0.00	27.96	3577.54
t	10/25/10	3605.50	27.71	27.70	0.01	0.01	27.70	3577.80
•	11/01/10	3605.50	28.03		0.00	0.00	28.03	3577.47
[	11/09/10	3605.50	28.03		0.00	0.00	28.03	3577.47
[	11/22/10	3605.50	28.05		0.00	0.00	28.05	3577.45
Ļ	12/06/10	3605.50	28.13		0.00	0.00	28.13	3577.37
Ļ	12/13/10	3605.50	28.11		0.00	0.00	28.11	3577.39
ļ	01/04/11	3605.50	28.29		0.00	0.00	28.29	3577.21
ŀ	01/10/11	3605.50	28.24		0.00	0.00	28.24	3577.26
į.	01/17/11	3605.50	28.28	20.26	0.00	0.00	28.28	3577.22
<b>-</b>	01/24/11	3605.50	28.36	28.36	0.00	0.00	28.36	3577.14
. }	01/31/11 02/07/11	3605.50 3605.50	28.32 28.37		0.00	0.00	28.32 28.37	3577.18 3577.13
ŀ	02/07/11	3605.50	28.46		0.00	0.00	28.46	3577.04
ŀ	03/01/11	3605.50	28.56		0.00	0.00	28.56	3576.94
ŀ	03/07/11	3605.50	28.55		0.00	0.00	28.55	3576.95
ŀ	03/07/11	3605.50	28.53		0.00	0.00	28.53	3576.97
ŀ	03/28/11	3605.50	28.60		0.00	0.00	28.60	3576.90

ConocoPhillips - East Hobbs Junction

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8	03/01/01	3605.25	24.29		0.00	0.00	24.29	3580.96
(SVE-5)	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	<del>,</del>	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 3604.92	26.26		0.00	0.00	26.26 26.25	3578.66 3578.67
	10/26/02 11/04/02	3604.92	26.25 26.00		0.00	0.00	26.23	3578.92
	11/04/02	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 03/08/05	3604.92 3604.92	24.87 24.84	23.78 23.84	1.09	0.87 0.80	24.00 24.04	3580.92 3580.88
	03/08/03	3604.92	24.84	23.80	1.00	0.80	24.00	3580.88
	03/23/03	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
	01/16/06	3604.92	24.92	24.17	0.75	0.60	24.32	3580.60
	01/23/06 02/01/06	3604.92	24.96	24.13 24.24	0.83	0.66	24.30 24.39	3580.62
•	02/01/06	3604.92 3604.92	25.01	24.24	0.77 0.76	0.62 0.61	24.39	3580.53 3580.45
	02/16/06	3604.92 3604.92	25.08 25.17	24.42	0.75	0.60	24.47	3580.45
	03/00/00	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

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

				measuremer		L.P.H.		
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8	08/02/06	3604.92	25.28	25.23	0.05	0.04	25.24	3579.68
(SVE-5)	08/14/06	3604.92	25.28	25.23	0.05	0.04	25.24	3579.68
cont.	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	17.0	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
	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

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

		1	(an	IPH	L.P.H.			
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8	05/20/08	3604.92	25.94		0.00	0.00	25.94	3578.98
(SVE-5)	06/02/08	3604.92	25.99		0.00	0.00	25.99	3578.93
cont.	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	26.18		0.00	0.00	26.18	3578.74
	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
	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

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

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	12/07/09	3604.92	27.32		0.00	0.00	27.32	3577.60
(SVE-5)	12/22/09	3604.92	27.35		0.00	0.00	27.35	3577.57
cont.	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	27.80		0.00	0.00	27.80	3577.12
ł	03/29/10	3604.92	27.51		0.00	0.00	27.51	3577.41
	04/05/10	3604.92	27.64		0.00	0.00	27.64	3577.28
	04/13/10	3604.92	27.51		0.00	0.00	27.51	3577.41
	04/19/10	3604.92	27.68		0.00	0.00	27.68	3577.24
	04/26/10	3604.92	27.49		0.00	0.00	27.49	3577.43
	05/03/10	3604.92	27.75		0.00	0.00	27.75	3577.17
	05/14/10	3604.92	27.78		0.00	0.00	27.78	3577.14
	05/20/10	3604.92	27.75		0.00	0.00	27.75	3577.17
	05/27/10	3604.92	27.55		0.00	0.00	27.55	3577.37
	06/01/10	3604.92	27.78		0.00	0.00	27.78	3577.14
	06/07/10	3604.92	27.72		0.00	0.00	27.72	3577.20
	06/15/10	3604.92	27.85		0.00	0.00	27.85	3577.07
	06/28/10	3604.92	27.75		0.00	0.00	27.75	3577.17
	07/06/10	3604.92	27.73		0.00	0.00	27.73	3577.19
	07/13/10	3604.92	27.63		0.00	0.00	27.63	3577.29
	07/19/10	3604.92 3604.92	27.64 27.27		0.00	0.00	27.64	3577.28
	07/26/10				0.00	0.00	27.27	3577.65
	08/09/10 08/16/10	3604.92 3604.92	27.45 27.38		0.00	0.00	27.45	3577.47 3577.54
						0.00	27.38	
	08/30/10 09/07/10	3604.92 3604.92	27.35 27.27		0.00	0.00	27.35 27.27	3577.57 3577.65
-	09/07/10	3604.92	27.27		0.00	0.00	27.31	3577.61
	09/13/10	3604.92	27.21		0.00	0.00	27.21	3577.71
	09/27/10	3604.92	27.29		0.00	0.00	27.29	3577.63
	10/04/10	3604.92	27.21		0.00	0.00	27.21	3577.71
	10/12/10	3604.92	27.29		0.00	0.00	27.29	3577.63
	10/19/10	3604.92	27.22		0.00	0.00	27.22	3577.70
	10/25/10	3604.92	26.98	26.98	0.00	0.00	26.98	3577.94
	11/01/10	3604.92	27.22		0.00	0.00	27.22	3577.70
1	11/09/10	3604.92	27.31		0.00	0.00	27.31	3577.61
	11/22/10	3604.92	27.30		0.00	0.00	27.30	3577.62
	12/06/10	3604.92	27.41		0.00	0.00	27.41	3577.51
	12/13/10	3604.92	27.34		0.00	0.00	27.34	3577.58
	01/04/11	3604.92	27.54		0.00	0.00	27.54	3577.38
	01/10/11	3604.92	27.44		0.00	0.00	27.44	3577.48
	01/17/11	3604.92	27.49		0.00	0.00	27.49	3577.43
	01/24/11	3604.92	27.67		0.00	0.00	27.67	3577.25
	01/31/11	3604.92	27.56		0.00	0.00	27.56	3577.36
	02/07/11	3604.92	27.62		0.00	0.00	27.62	3577.30
	02/14/11	3604.92	27.77		0.00	0.00	27.77	3577.15
	03/01/11	3604.92	27.75		0.00	0.00	27.75	3577.17
	03/07/11	3604.92	27.87		0.00	0.00	27.87	3577.05
	03/21/11	3604.92	27.79		0.00	0.00	27.79	3577.13
	03/28/11	3604.92	27.92		0.00	0.00	27.92	3577.00

### 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	03/01/01	3605.75	26.82	23.68	3.14	2.51	24.31	3581.44
(RW-2)	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 3605.75	29.08 29.25	27.02	2.06	1.65	27.43 27.63	3578.32
	11/05/03	3605.75	29.23	27.22 27.35	2.03 1.95	1.62	27.74	3578.12 3578.01
	01/19/04	3605.75	29.94	28.50	1.93	1.56	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	06.03	0.00	0.00	25.99	3579.76
	01/23/06 04/24/06	3605.75 3605.75	26.04 26.44	26.03 26.43	0.01 0.01	0.01	26.03 26.43	3579.72 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	20.17	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
	04/20/09	3605.75	28.36		0.00	0.00	28.36	3577.39
	07/27/09 10/26/09	3605.75 3605.75	28.62	28.76	0.00	0.00	28.62 28.76	3577.13 3576.99
	01/25/10	3605.75	30.03	28.75	1.28	1.02	29.01	3576.74
	04/26/10	3605.75	30.41	28.91	1.50	1.02	29.21	3576.54
	07/26/10	3605.75	30.12	28.56	1.56	1.25	28.87	3576.88
	10/25/10	3605.75	28.57	28.57	0.00	0.00	28.57	3577.18
	01/24/11	3605.75	30.52	29.18	1.34	1.07	29.45	3576.30
	03/01/11	3605.75	30.67		0.00	0.00	30.67	3575.08
MW-10	03/01/01	3604.94	25.57	23.53	2.04	1.63	23.94	3581.00
(RW-6)	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

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#### ConocoPhillips - East Hobbs Junction

-,				measuremer		L.P.H.		
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10	11/05/03	3604.94	28.17	26.20	1.97	1.58	26.59	3578.35
(RW-6)	01/19/04	3604.94	28.36	26.30	2.06	1.65	26.71	3578.23
cont.	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 12/21/05	3604.94 3604.94	24.44 24.46	24.11 24.11	0.33 0.35	0.26 0.28	24.18	3580.76
	12/21/03	3604.94	24.49	24.11	0.37	0.28	24.18 24.19	3580.76 3580.75
	01/04/06	3604.94	24.47	24.12	0.36	0.30	24.19	3580.75
	01/10/06	3604.94	24.49	24.11	0.37	0.30	24.19	3580.75
	01/16/06	3604.94	24.48	24.02	0.46	0.37	24.13	3580.73
	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 08/28/06	3604.94	25.08 25.27	25.08 25.14	0.00	0.00	25.08	3579.86
	08/28/06	3604.94 3604.94	25.27	25.14	0.13 0.11	0.10	25.17 25.07	3579.77 3579.87
	09/14/06	3604.94	25.08	25.02	0.11	0.09	25.07	3579.87
	09/25/06	3604.94	25.08	25.02	0.05	0.03	25.04	3579.90
	10/02/06	3604.94	25.02	24.98	0.03	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
	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

### ConocoPhillips - East Hobbs Junction

				measuremer		L.P.H.		
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10	01/23/07	3604.94	24.82	24.77	0.05	0.04	24.78	3580.16
(RW-6)	02/05/07	3604.94	25.20	25.08	0.12	0.10	25.10	3579.84
cont.	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 08/20/07	3604.94 3604.94	25.28 25.34	25.24 25.24	0.04	0.03	25.25	3579.69
	08/20/07	3604.94	25.36	25.28	0.10	0.08	25.26 25.30	3579.68 3579.64
	09/04/07	3604.94	25.35	25.31	0.08	0.06 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	0.04	0.03	25.35	3579.59
	10/02/07	3604.94	25.38	25.35	0.02	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 07/21/08	3604.94 3604.94	26.07 25.81	26.07	0.00	0.00	26.07	3578.87
	08/06/08	3604.94	26.30		0.00	0.00	25.81 26.30	3579.13 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	20.00	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	<del></del>	0.00	0.00	26.51	3578.43
	10/20/08	3604.94	26.28	26.24	0.00	0.03	26.25	3578.69
	10/28/08	3604.94	26.54	20.24	0.04	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

ConocoPhillips - East Hobbs Junction

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	12/08/08	3604.94	26.53		0.00	0.00	26.53	3578.41
(RW-6)	12/24/08	3604.94	26.52		0.00	0.00	26.52	3578.42
cont.	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
1	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
1	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
1	04/28/09	3604.94	26.68		0.00	0.00	26.68	3578.26
1	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
ļ	07/06/09	3604.94	26.80		0.00	0.00	26.80 26.98	3578.14
	07/14/09 07/20/09	3604.94 3604.94	26.98 26.84		0.00	0.00	26.84	3577.96 3578.10
	07/27/09	3604.94	26.87		0.00	0.00	26.87	3578.10
	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
1	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
1	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
1	11/03/09	3604.94	26.93		0.00	0.00	26.93	3578.01
1	11/10/09	3604 <u>.</u> 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
į i	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 01/18/10	3604.94 3604.94	27.30 27.12		0.00	0.00	27.30 27.12	3577.64 3577.82
	01/18/10	3604.94 3604.94	27.12		0.00	0.00	27.12	3577.73
	02/01/10	3604.94	27.29		0.00	0.00	27.29	3577.65
]	02/01/10	3604.94	27.25		0.00	0.00	27.25	3577.69
i	02/03/10	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
<b>1</b> .	03/08/10	3604.94	27.46		0.00	0.00	27.46	3577.48
1 1	03/22/10	3604.94	27.50		0.00	0.00	27.50	3577.44
<u> </u>	03/29/10	3604.94	27.35		0.00	0.00	27.35	3577.59
, ,	04/05/10	3604.94	27.53		0.00	0.00	27.53	3577.41
]	04/13/10	3604.94	27.36		0.00	0.00	27.36	3577.58
}	04/19/10	3604.94	27.57		0.00	0.00	27.57	3577.37
l l	04/26/10	3604.94	27.39		0.00	0.00	27.39	3577.55
L	05/03/10	3604.94	27.72		0.00	0.00	27.72	3577.22

ConocoPhillips - East Hobbs Junction

Well	Sample	Casing	Depth to	Depth to	L.P.H.	L.P.H. Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-10	05/14/10	3604.94	27.75		0.00	0.00	27.75	3577.19
(RW-6)	05/20/10	3604.94	27.62		0.00	0.00	27.62	3577.32
cont.	05/27/10	3604.94	27.23		0.00	0.00	27.23	3577.71
	06/01/10	3604.94	27.67		0.00	0.00	27.67	3577.27
	06/07/10	3604.94	27.57		0.00	0.00	27.57	3577.37
1	06/15/10	3604.94	27.81		0.00	0.00	27.81	3577.13
	06/28/10 07/06/10	3604.94	27.60 27.45		0.00	0.00	27.60	3577.34
	07/06/10	3604.94 3604.94	27.43		0.00	0.00	27.45 27.41	3577.49 3577.53
	07/19/10	3604.94	27.49		0.00	0.00	27.49	3577.45
	07/26/10	3604.94	27.15		0.00	0.00	27.15	3577.79
	08/09/10	3604.94	27.32		0.00	0.00	27.32	3577.62
}	08/16/10	3604.94	27.23		0.00	0.00	27.23	3577.71
1	08/30/10	3604.94	27.24		0.00	0.00	27.24	3577.70
	09/07/10	3604.94	27.13		0.00	0.00	27.13	3577.81
	09/13/10	3604.94	27.19		0.00	0.00	27.19	3577.75
	09/20/10	3604.94	27.07		0.00	0.00	27.07	3577.87
]	09/27/10	3604.94	27.18		0.00	0.00	27.18	3577.76
I	10/04/10	3604.94 3604.94	27.09 27.20		0.00	0.00	27.09	3577.85
	10/12/10 10/19/10	3604.94 3604.94	27.09		0.00	0.00	27.20 27.09	3577.74 3577.85
l	10/19/10	3604.94	26.92	26.92	0.00	0.00	26.92	3578.02
	11/01/10	3604.94	27.17	20.92	0.00	0.00	27.17	3577.77
Ì	11/09/10	3604.94	27.22		0.00	0.00	27.22	3577.72
	11/22/10	3604.94	27.17		0.00	0.00	27.17	3577.77
	12/06/10	3604.94	27.30		0.00	0.00	27.30	3577.64
Ī	12/13/10	3604.94	27.21		0.00	0.00	27.21	3577.73
	01/04/11	3604.94	27.45		0.00	0.00	27.45	3577.49
· .	01/10/11	3604.94	27.30		0.00	0.00	27.30	3577.64
	01/17/11	3604.94	27.36		0.00	0.00	27.36	3577.58
ļ	01/24/11	3604.94	27.58	-	0.00	0.00	27.58	3577.36
Į.	01/31/11	3604,94	27.43 27.47		0.00	0.00	27.43	3577.51
1	02/07/11 02/14/11	3604.94 3604.94	27.66		0.00	0.00	27.47 27.66	3577.47 3577.28
	03/01/11	3604.94	27.79		0.00	0.00	27.79	3577.15
	03/07/11	3604.94	27.75		0.00	0.00	27.75	3577.19
<u> </u>	03/21/11	3604.94	27.66		0.00	0.00	27.66	3577.28
į	03/28/11	3604.94	27.80		0.00	0.00	27.80	3577.14
MW-11	03/01/01	3608.06	27.09		0.00	0.00	27.09	3580.97
(RW-7)	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
	10/25/02	3608.06	30.73	27.90	2.83	2.26	28.47	3579.59
	11/04/02 11/05/02	3608.06 3608.06	30.81 30.97	27.95 27.92	2.86 3.05	2.29 2.44	28.52 28.53	3579.54 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
ł	04/09/03	3608.06	30.96	28.97	1.99	1.59	29.37	3578.69
1	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
1	10/25/04	3608.06	29.10	0000	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
L	07/18/05	3608.06	28.00	27.99	0.01	0.01	27.99	3580.07

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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-11	10/17/05	3608.06	27.90	27.89	0.01	0.01	27.89	3580.17
(RW-7)	12/28/05	3608.06	28.06	28.04	0.02	0.02	28.04	3580.02
cont.	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 04/23/07	3608.06 3608.06	28.75 29.11	28.75 28.99	0.00 0.12	0.00	28.75 29.01	3579.31 3579.05
Į.	07/23/07	3608.06	29.11	29.13	0.12	0.10 0.02	29.14	3578.92
	10/22/07	3608.06	29.18	29.16	0.03	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
3	07/21/08	3608.06	29.73		0.00	0.00	29.73	3578.33
İ	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 01/25/10	3608.06 3608.06	30.77 31.00		0.00	0.00	30.77 31.00	3577.29 3577.06
1	04/26/10	3608.06	31.16		0.00	0.00	31.16	3576.90
}	07/26/10	3608.06	30.95		0.00	0.00	30.95	3577.11
<b>l</b> .	10/25/10	3608.06	30.76		0.00	0.00	30.76	3577.30
	01/24/11	3608.06	31.36		0.00	0.00	31.36	3576.70
MW-12	03/01/01	3604.40	23.87		0.00	0.00	23.87	3580.53
(SVE-9)	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
<b> </b>	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 10/25/02	3604.40 3604.14	25.64 25.83		0.00	0.00	25.64	3578.76
	10/25/02	3604.14	25.83	····	0.00	0.00	25.83 25.84	3578.31 3578.30
	11/04/02	3604.14	25.66		0.00	0.00	25.66	3578.48
<b> </b>	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
i	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 04/19/04	3604.14 3604.14	26.68 26.57		0.00	0.00	26.68 26.57	3577.46 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 07/24/06	3604.14 3604.14	24.31 24.70		0.00	0.00	24.31 24.70	3579.83 3579.44
	10/23/06	3604.14	24.70		0.00	0.00	24.70	3579.44
	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
ł l	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. <u>44</u>

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Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-12	10/20/08	3604.14	25.94	,	0.00	0.00	25.94	3578.20
(SVE-9)	01/19/09	3604.14	26.00		0.00	0.00	26.00	3578.14
cont.	04/20/09	3604.14	26.28		0.00	0.00	26.28	3577.86
1	07/27/09	3604.14	26.60		0.00	0.00	26.60	3577.54
ł	10/26/09	3604.14	26.61		0.00	0.00	26.61	3577.53
1	01/25/10	3604.14	26.59		0.00	0.00	26.59	3577.55
1	04/26/10	3604.14	27.02		0.00	0.00	27.02	3577.12
1	07/26/10	3604.14	26.76		0.00	0.00	26.76	3577.38
1	10/25/10	3604.14	26.51		0.00	0.00	26.51	3577.63
<u> </u>	01/24/11	3604.14	26.94		0.00	0.00	26.94	3577.20
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 10/22/02	3604.31 3604.31	26.11 26.11		0.00	0.00	26.11 26.11	3578.20
	10/22/02	3604.31	26.11		0.00	0.00	26.11	3578.20 3578.18
	10/25/02	3604.31	26.13		0.00	0.00	26.12	3578.19
1	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
1	11/29/02	3604.31	25.95		0.00	0.00	25.95	3578.36
Ī	01/22/03	3604.31	25.88		0.00	0.00	25.88	3578.43
ļ	02/14/03	3604.31	25.93	-	0.00	0.00	25.93	3578.38
1	02/24/03	3604.31	25.96		0.00	0.00	25.96	3578.35
1	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
1	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
1	04/19/04	3604.31	26.95		0.00	0.00	26.95	3577.36
1	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
ŀ	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
1	10/17/05 01/23/06	3604.31 3604.31	23.72 24.02		0.00	0.00	23.72	3580.59 3580.29
1	04/24/06	3604.31	24.02		0.00	0.00	24.50	3580.29 3579.81
1	07/24/06	3604.31	24.93		0.00	0.00	24.93	3579.38
1	10/23/06	3604.31	24.66		0.00	0.00	24.66	3579.65
<b>1</b> ^	01/23/07	3604.31	24.76		0.00	0.00	24.76	3579.55
1	04/23/07	3604.31	25.12		0.00	0.00	25.12	3579.19
1	07/23/07	3604.31	25.16		0.00	0.00	25.16	3579.15
1	10/22/07	3604.31	25.04		0.00	0.00	25.04	3579.27
1	01/28/08 04/21/08	3604.31 3604.31	25.25 25.60		0.00	0.00	25.25 25.60	3579.06 3578.71
	04/21/08	3604.31	26.02		0.00	0.00	26.02	35/8.71
	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
1	07/27/09	3604.31	26.92		0.00	0.00	26.92	3577.39
1	10/26/09	3604.31	26.91		0.00	0.00	26.91	3577.40
1	01/25/10	3604.31	27.19		0.00	0:00	27.19	3577.12
	04/26/10	3604.31	27.35		0.00	0.00	27.35	3576.96
I	07/26/10	3604.31	27.07		0.00	0.00	27.07	3577.24
1	10/25/10	3604.31	26.72		0.00	0.00	26.72	3577.59
L	01/24/11	3604.31	27.21		0.00	0.00	27.21	3577.10

### 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	03/01/01	3604.11	23.96		0.00	0.00	23.96	3580.15
(SVE-11)	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
	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 3603.77	25.90		0.00	0.00	25.90	3577.87
	04/24/03 07/15/03	3603.77	25.92 26.11		0.00	0.00	25.92 26.11	3577.85 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 07/24/06	3603.77	24.41		0.00	0.00	24.41	3579.36
	10/23/06	3603.77 3603.77	24.80 24.70		0.00	0.00	24.80	3578.97
	01/23/07	3603.77	24.70		0.00	0.00	24.70 24.79	3579.07 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 10/26/09	3603.77 3603.77	26.65		0.00	0.00	26.65	3577.12
	01/25/10	3603.77	26.75 26.97		0.00	0.00	26.75	3577.02 3576.80
	04/26/10	3603.77	27.14		0.00	0.00	26.97 27.14	3576.63
	07/26/10	3603.77	26.78		0.00	0.00	26.78	3576.99
	10/25/10	3603.77	26.64		0.00	0.00	26.64	3577.13
	01/24/11	3603.77	27.03		0.00	0.00	27.03	3576.74
MW-15	03/01/01	3609.78	28.26	28.20	0.06	0.05	28.21	3581.57
(SVE-12)	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 11/29/02	3609.23 3609.23	30.59 30.59	29.81	0.78	0.62	29.97	3579.26 3570.35
	02/08/03	3609.23	30.59	29.70 30.10	0.89	0.71 0.27	29.88 30.17	3579.35 3579.06
	02/08/03	3609.23	30.44	30.10	0.34	0.27	30.17	3579.06
1	04/07/03	3609.23	30.50	30.21	0.42	0.34	30.17	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

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ConocoPhillips - East Hobbs Junction

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-15	06/25/03	3609.23	30.55	30.34	0.21	0.17	30.38	3578.85
(SVE-12)	09/11/03	3609.23	30.79	30.52	0.27	0.22	30.57	3578.66
cont.	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
1	04/18/05	3609.23	28.40		0.00	0.00	28.40	3580.83
	07/18/05 10/17/05	3609.23	28.39 28.29		0.00	0.00	28.39	3580.84
	01/23/06	3609.23 3609.23	28.44		0.00	0.00	28.29 28.44	3580.94
	04/24/06	3609.23	28.72		0.00	0.00	28.72	3580.79 3580.51
	07/24/06	3609.23	29.12	· · · · · · · · · · · · · · · · · · ·	0.00	0.00	29.12	3580.11
	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
	04/26/10	3609.23	31.50		0.00	0.00	31.50	3577.73
	07/26/10	3609.23	31.29		0.00	0.00	31.29	3577.94
	10/25/10	3609.23	31.18		0.00	0.00	31.18	3578.05
	01/24/11	3609.23	31.45		0.00	0.00	31.45	3577.78
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 06/16/02	3606.31 3606.31	26.64 26.63		0.00	0.00	26.64	3579.67
	09/20/02	3606.31	26.80		0.00	0.00	26.63 26.80	3579.68
	10/15/02	3606.31	26.85		0.00	0.00	26.85	3579.51 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
1	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

#### ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

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-16	04/18/05	3606.31	24.91		0.00	0.00	24.91	3581.40
cont.	07/18/05	3606.31	25.04		0.00	0.00	25.04	3581.27
1	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
ŀ	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	7.0	0.00	0.00	26.16	3580.15
	07/23/07	3606.31	26.33		0.00	0.00	26.33	3579.98
	10/22/07	3606.31	26.40		0.00	0.00	26.40	3579.91
	01/28/08 04/21/08	3606.31 3606.31	26.45 26.66		0.00	0.00	26.45	3579.86 3579.65
	07/21/08	3606.31	26.91		0.00	0.00	26.66 26.91	3579.63
	10/20/08	3606.31	27.13		0.00	0.00	27.13	3579.18
1	01/19/09	3606.31	27.26		0.00	0.00	27.26	3579.05
	04/20/09	3606.31	27.50		0.00	0.00	27.50	3578.81
	07/27/09	3606.31	27.75		0.00	0.00	27.75	3578.56
1	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
	04/26/10	3606.31	28.27		0.00	0.00	28.27	3578.04
1	07/26/10	3606.31	28.00		0.00	0.00	28.00	3578.31
	10/25/10	3606.31	27.88		0.00	0.00	27.88	3578.43
	01/24/11	3606.31	28.19		0.00	0.00	28.19	3578.12
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
1	06/15/02	3609.03	28.81		0.00	0.00	28.81	3580.22
i i	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
Ì l	10/25/02 10/26/02	3609.03 3609.03	29.06 29.09		0.00	0.00	29.06 29.09	3579.97 3579.94
	11/04/02	3609.03	29.10		0.00	0.00	29.10	3579.94 3579.93
1 8	11/05/02	3609.03	29.13		0.00	0.00	29.13	3579.90
l i	11/22/02	3609.03	29.16		0.00	- 0.00	29.16	3579.87
	12/16/02	3609.03	NM, dry		0.00	0.00	25.10	35,77.07
	01/22/03	3609.03	29.15		0.00	0.00	29.15	3579.88
1	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
1 1	10/15/03	3609.03	29.70		0.00	0.00	29.70	3579.33
1	01/19/04 04/19/04	3609.03	29.88		0.00	0.00	29.88	3579.15
, ł	04/19/04	3609.03 3609.03	NM, dry					
] i	10/25/04	3609.03	NM, dry 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
į l	04/18/05	3609.03	27.31		0.00	0.00	27.31	3581.40
}	04/18/05	3609.03	27.35		0.00	0.00	27.35	3581.72
j l	10/17/05	3609.03	27.26		0.00	0.00	27.26	3581.08
	01/23/06	3609.03	27.45		0.00	0.00	27.45	3581.77

#### ConocoPhillips - East Hobbs Junction

	1		l can	measuremer		L.P.H.		
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-17	04/24/06	3609.03	27.79		0.00	0.00	27.79	3581.24
cont.	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
1 .	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
İ	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		
I	04/26/10	3609.03	NM, dry		0.00	0.00		
	07/26/10	3609.03	NM, dry		0.00	0.00		÷
MW-18	03/01/01	3605.71	25.59		0.00	0.00	25.59	3580.12
(SVE-13)	06/25/01	3605.71	25.85		0.00	0.00	25.85	3579.86
Ī	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
Ĭ	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
	11/22/02	3605.34	27.38		0.00	0.00	27.38	3577.96
	01/22/03	3605.34	27.43 27.46		0.00	0.00	27.43	3577.91
	02/24/03	3605.34 3605.34	27.46	·	0.00	0.00	27.46	3577.88 3577.77
	04/07/03	3605.34	27.58		0.00	0.00	27.57	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
ľ	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

ConocoPhillips - East Hobbs Junction

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	01/19/09	3605.34	27.75		0.00	0.00	27.75	3577.59
(SVE-13)	04/20/09	3605.34	28.05		0.00	0.00	28.05	3577.29
cont.	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
	04/26/10	3605.34	28.83		0.00	0.00	28.83	3576.51
	07/26/10 10/25/10	3605.34	28.56		0.00	0.00	28.56	3576.78
	01/24/11	3605.34 3605.34	28.30 27.21		0.00	0.00	28.30 27.21	3577.04 3578.13
2477.40								
MW-19	03/01/01 06/25/01	3606.69	27.20	·	0.00	0.00	27.20	3579.49
	09/25/01	3606.69 3606.69	27.45 27.71		0.00	0.00	27.45 · · · · · · · · · · · · · · · · · · ·	3579.24 3578.98
	12/11/01	3606.69	27.71		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 12/16/02	3606.69 3606.69	28.54 28.54		0.00	0.00	28.54	3578.15
•	01/22/03	3606.69	28.48		0.00	0.00	28.54 28.48	3578.15 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 29.40		0.00	0.00	29.42	3577.27
	04/19/04 07/20/04	3606.69 3606.69	29.40		0.00	0.00	29.40 29.40	3577.29 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
	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 04/23/07	3606.69 3606.69	27.46 27.76		0.00	0.00	27.46	3579.23
	07/23/07	3606.69	27.85		0.00	0.00	27.76 27.85	3578.93 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

#### ConocoPhillips - East Hobbs Junction

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	04/26/10	3606.69	29.90		0.00	0.00	29.90	3576.79
cont.	07/26/10	3606.69	29.62		0.00	0.00	29.62	3577.07
ļ	10/25/10	3606.69	29.39		0.00	0.00	29.39	3577.30
	01/24/11	3606.69	29.80		0.00	0.00	29.80	3576.89
MW-20	03/01/01	3606.25	30.24		0.00	0.00	30.24	3576.01
l	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
İ	05/21/02	3606.25	31.21		0.00	0.00	31.21	3575.04
	06/08/02 06/13/02	3606.25 3606.25	31.26 31.28		0.00	0.00	31.26 31.28	3574.99
	06/15/02	3606.25	31.28		0.00	0.00	31.28	3574.97 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 02/24/03	3606.25 3606.25	31.64 31.64		0.00	0.00	31.64 31.64	3574.61 3574.61
	04/07/03	3606.25	31.75		0.00	0.00	31.75	3574.61
	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 01/19/04	3606.25 3606.25	32.17 32.35		0.00	0.00	32.17 32.35	3574.08 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 10/17/05	3606.25 3606.25	29.85 29.75		0.00	0.00	29.85 29.75	3576.40 3576.50
	01/23/06	3606.25	29.75		0.00	0.00	29.75	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 07/23/07	3606.25 3606.25	30.89 31.08		0.00	0.00	30.89 31.08	3575.36 3575.17
	10/22/07	3606.25	31.16		0.00	0.00	31.16	3575.09
	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 01/25/10	3606.50 3606.50	32.63 32.79		0.00	0.00	32.63 32.79	3573.87
	04/26/10	3606.50	32.79		0.00	0.00	32.79	3573.71 3573.52
	04/26/10	3606.50	32.67		0.00	0.00	32.67	3573.83
	10/25/10	3606.50	32.69		0.00	0.00	32.69	3573.83
	01/24/11	3606.50	32.92		0.00	0.00	32.92	3573.58

## ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

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-21	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 11/05/02	3603.51 3603.51	24.93 24.90		0.00	0.00	24.93	3578.58
	11/03/02	3603.51	24.90		0.00	0.00	24.90 24.87	3578.61 3578.64
	11/22/02	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	77.200	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 3603.51	23.49		0.00	0.00	23.49	3580.02
	07/24/06 10/23/06	3603.51	23.86 23.82		0.00	0.00	23.86 23.82	3579.65 3570.60
	01/23/07	3603.51	23.92		0.00	0.00	23.92	3579.69 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	24.13	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	25.91		0.00	0.00	25.91	3577.60
	01/25/10	3603.51	26.10		0.00	0.00	26.10	3577.41
	04/26/10	3603.51	26.26		0.00	0.00	26.26	3577.25
	07/26/10	3603.51	25.89		0.00	0.00	25.89	3577.62
	10/25/10	3603.51	25.81		0.00	0.00	25.81	3577.70
	01/24/11	3603.51	25.16		0.00	0.00	25.16	3578.35
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

ConocoPhillips - East Hobbs Junction

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	10/26/02	3603.27	24.70		0.00	0.00	24.70	3578.57
cont.	11/04/02	3603.27	24.63		0.00	0.00	24.63	3578.64
1	11/05/02	3603.27	24.55		0.00	0.00	24.55	3578.72
1	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
1	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
1	02/24/03	3603.27	24.50		0.00	0.00	24.50	3578.77
i	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
ł	08/02/03	3603.27	25.09		0.00	0.00	25.09	3578.18
	09/11/03	3603.27	25.16 25.30		0.00	0.00	25.16	3578.11
1	10/15/03 01/19/04	3603.27 3603.27	25.60		0.00	0.00	25.30 25.60	3577.97 3577.67
1	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
I	10/25/04	3603.27	23.79		0.00	0.00	23.79	3579.48
1	01/24/05	3603.27	22,25		0.00	0.00	22.25	3581.02
1	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
1	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
1	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
1	04/23/07	3603.27	23.56		0.00	0.00	23.56	3579.71
1	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 07/21/08	3603.27	24.01 24.46		0.00	0.00	24.01	3579.26
1	10/20/08	3603.27 3603.27	24.46		0.00	0.00	24.46 24.65	3578.81 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
	04/26/10	3603.27	25.84		0.00	0.00	25.84	3577.43
	07/26/10	3603.27	25.61		0.00	0.00	25.61	3577.66
	10/25/10	3603.27	25.20		0.00	0.00	25.20	3578.07
	01/24/11	3603.27	25.72		0.00	0.00	25.72	3577.55
MW-23	06/08/02	3604.62	25.15		0.00	0.00	25.15	3579.47
1	06/13/02	3604.62	25.13		0.00	0.00	25.13	3579.49
1.	06/15/02	3604.62	25.15		0.00	0.00	25.15	3579.47
1	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
1	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
1	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 11/22/02	3604.62 3604.62	25.40 25.41		0.00	0.00	25.40	3579.22 3579.21
	11/22/02	3604.62	25.34		0.00	0.00	25.41 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
1	02/08/03	3604.62	25.17		0.00	0.00	25.17	3579.45
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ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

				measuremen		L.P.H.		
Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-23	02/14/03	3604.62	25.26		0.00	0.00	25.26	3579.36
cont.	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
	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 04/18/05	3604.62 3604.62	23.25 22.85		0.00	0.00	23.25	3581.37
	07/18/05	3604.62	23.04		0.00	0.00	22.85 23.04	3581.77 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	3581.63
	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	<u> </u>	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
	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
•	04/26/10	3604.62	26.59		0.00	0.00	26.59	3578.03
	07/26/10 10/25/10	3604.62 3604.62	26.37 26.01		0.00	0.00	26.37 26.01	3578.25 3578.61
	01/24/11	3604.62	26.45		0.00	0.00	26.45	3578.17
MW-24	01/25/10	3608.89	30.11		0.00	0.00	30.11	3578.78
,	04/26/10	3608.89	30.29	,	0.00	0.00	30.29	3578.60
	07/26/10	3608.89	30.08		0.00	0.00	30.08	3578.81
	10/25/10 01/24/11	3608.89 3608.89	29.96 30.24		0.00	0.00	29.96 30.24	3578.93 3578.65
			· · · · · · · · · · · · · · · · · · ·					
MW-25	01/25/10	3609.81	31.00		0.00	0.00	31.00	3578.81
	04/26/10	3609.81	31.19		0.00	0.00	31.19	3578.62
	07/26/10 10/25/10	3609.81 3609.81	30.96 30.87		0.00	0.00	30.96	3578.85 3578.94
							30.87	
	01/24/11	3609.81	31.14		0.00	0.00	31.14	3578.67
MW-26	01/25/10	3604.86	26.54		0.00	0.00	26.54	3578.32
	04/26/10	3604.86	26.71		0.00	0.00	26.71	3578.15
	07/26/10	3604.86	26.50		0.00	0.00	26.50	3578.36
	10/25/10	3604.86	26.19		0.00	0.00	26.19	3578.67
	01/24/11	3604.86	26.61		0.00	0.00	26.61	3578.25
MW-27	01/25/10	3604.99	.26.70		0.00	0.00	26.70	3578.29
	04/26/10	3604.99	26.87		0.00	0.00	26.87	3578.12
	07/26/10	3604.99	26.66		0.00	0.00	26.66	3578.33
	10/25/10	3604.99	26.35		0.00	0.00	26.35	3578.64
	01/24/11	3604.99	26.77		0.00	0.00	26.77	3578.22

ConocoPhillips - East Hobbs Junction

Hobbs, New Mexico

(all measurements in feet)

	<u> </u>		(an	measuremer	no m reery	IDII	· ·	
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	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
	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
	04/26/10	3605.12	27.26		0.00	0.00	27.26	3577.86
	07/26/10	3605.12	27.03		0.00	0.00	27.03	3578.09
	10/25/10	3605.12	26.82		0.00	0.00	26.82	3578.30
Notes:	01/24/11	3605.12	27.19		0.00	0.00	27.19	3577.93

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-3	04/28/10	6,300	53	350	710	7,413	26	8.0
MW-4	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.072
	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	10/26/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	<0.21
MW-5	04/27/10	<1.0	1.3	<1.0	<1.0	1.3	< 0.10	0.078
•	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	< 0.05
	10/26/10	<1.0	<1.0	<1.0	4.2	4.2	<0.10	<0.05
3.4337.6	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.21
MW-6	04/28/10	47	17	120	71	255	2.7	0.72
	07/28/10 10/27/10	40 20	2.7	180	102 22.3	336 175.0	3.1 2.8	2.9 1.0
	01/26/11	27	2.7	130	9.1	168.6	2.4	1.0
MW-11	07/28/10	3,800	1,500	700	1,670	7,670	29	10
MW-12	04/28/10	4,400	<10	140	190	4,730	15	0.47
14144-12	04/28/10 D	4,400	<10	150	200	4,750	15	0.47
	07/28/10	5,500	<5.0	120	180	5,800	19	0.56
	07/28/10 D	5,500	<25	140	190	5,830	20	0.52
	10/27/10	5,300	<10	140	190	5,630	16	0.48
	10/27/10 D	4,900	<10	150	210	5,260	15	0.56
	01/26/11	4,000	<10	140	160	4,300	14	1.0
	01/26/11 D	4,900	<10	110	130	5,140	16	0.89
MW-13	04/28/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	07/28/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/27/10 01/26/11	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
MW-14	1	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.20
W W-14	04/28/10 07/28/10	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0	BDL BDL	<0.10 <0.10	0.14
	10/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.13
	01/26/11	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.21
MW-15	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	4.3
	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	1.9
	10/26/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.48
	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	3.5
MW-16	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.055
	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.25
	10/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.20
MW-18	04/28/10	4,300	<10	170	209	4,679	13	0.37
	07/28/10 10/27/10	5,600 5,900	<20 <5.0	130 180	203	5,933 6,290	17 15	0.54
	01/26/11	4,100	<10	110	210 154	4,364	13	0.39 0.73
MW-19	04/28/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.098
	07/28/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.067
	01/26/11	<1.0	<1.0	<.1.0	<1.0	BDL	< 0.10	<0.22
MW-20	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.12
	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	10/26/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	<0.05
	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	<0.21
MW-21	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	0.12
	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
	10/26/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.05
MW 22	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.21
MW-22	04/28/10 07/28/10	<1.0	<1.0	<1.0	<1.0	BDL BDL	<0.10	<0.05 <0.05
	10/27/10	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	BDL	<0.10 <0.10	<0.05
		~1.U	~1.0	V1.U	<b>√1.</b> ∪			
		<1.0	<1.0	<1.0	<1.0	BDI.	<0.10 L	<0.21
MW-23	01/26/11	<1.0	<1.0	<1.0	<1.0	BDL BDL	<0.10	<0.21
MW-23	01/26/11 04/28/10	<1.0	<1.0	<1.0	<1.0	BDL.	<0.10	< 0.05
MW-23	01/26/11					<del> </del>		

Page 1 of 2

#### 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	04/27/10	3.0	<1.0	6.0	<1.0	9.0	0.51	0.44
	04/27/10 D	4.1	<1.0	5.5	<1.0	9.6	0.52	0.75
	07/27/10	3.2	<1.0	7.6	<1.0	10.8	0.37	0.30
İ	07/27/10 D	1.2	<1.0	1.2	<1.0	2.4	0.26	0.33
	10/26/10	2.0	<1.0	3.7	<1.0	5.7	0.22	0.20
	10/26/10 D	2.3	<1.0	4.7	<1.0	7.0	0.21	0.24
·	01/25/11	<1.0	<1.0	<1.0	<1.0	BDL	0.15	0.41
	01/25/11 D	1.6	<1.0	4.5	<1.0	6.1	0.19	0.31
MW-25	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.34
	07/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	10/26/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.11
	01/25/11	<1.0	<1.0	<1.0	<1,0	BDL	< 0.10	< 0.20
MW-26	04/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.078
	07/28/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
·	01/26/11	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	<0.21
MW-27	04/28/10	46	1.2	<1.0	1.5	48.7	0.15	0.057
	07/28/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	10/27/10	4.8	<1.0	<1.0	<1.0	4.8	< 0.10	< 0.05
	01/26/11	7.8	<1.0	<1.0	<1.0	7.8	< 0.10	<0.21
SVE-10	04/28/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	0.089
*	07/28/10	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	< 0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.05
	01/26/11	<1.0	<1.0	<1.0	<1.0	BDL	< 0.10	< 0.21

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

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

BDL = below detection limit

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

D = duplicate sample

Well Number	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
				(µg/L)	1,540	62	10
MW-2	07/29/09 10/28/09	15,000 9,800	2,000 820	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 9,200	270 80	490 330	1,100 700	NA 33	3.7
	07/29/09 10/28/09	6,400	26	270	590	22	3.9
	01/27/10	7,700	22	310	380	48	2.6
	04/28/10	6,300	53	350	710	26	8.0
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 0.52	<0.98 <0.50
·	11/15/00 03/06/01	24 110	0.64 1.6	0.6 9.4	<2 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
1	05/21/02	78	7.9	1.5	5.7	0.567	<0.103
	10/16/02	45	<1.0	2.5 7.5	5.3 88.5	0.177 1.58	<0.102 0.141
	01/23/03 04/25/03	268 589	160 372	16.1	88.5	2,4	0.141
	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 2.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	<0.048 0.19
	10/28/04 01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.19
İ	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 <0.10	0.23 0.073
	04/26/06 07/26/06	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10	0.073
	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 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.051 <0.10
	01/30/08 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 <0.05
	07/29/09 10/28/09	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<0.10 <0.10	<0.05
1	01/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.17
1	04/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.072
1	07/27/10	· <1.0	<1.0	<1.0	<1.0	· <0.10	<0.05
1	10/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05 <0.21
2432.5	01/25/11	<1.0	<1.0	<1.0	<1.0	<0.10	<2.0
MW-5	01/13/00 04/06/00	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <2	<2.0 <1.0	<1.0
1	04/06/00	<0.5	<0.5	<0.5	<2	<0.99	<0.99
1	11/15/00	1.2	0.78	<0.5	<2	0.26	0.92
1	03/06/01	8.1	. 7	0.65	<2	0.66	<0.54
1	06/25/01	19	26	2.3	<2	0.87 0.76	<0.53 <0.50
	09/26/01 12/12/01	85 164	46 106	2.8 7.3	18 50	1.42	<0.101
1	05/21/02	146	119	11.1	32	1.23	<0.101
1	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
I	07/14/03	119	123	13.4	42.1	0.842 <0.10	<0.10 0.99
1	10/17/03 01/22/04	32	22 12	3 1,1 ,	9.7 <3.0	0.16	<0.048
1	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

Hobbs, New Mexico

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	Denzene (μg/L)	(μg/L)	Ethylbenzene (μg/L)	(μg/L)	(mg/L)	(mg/L)
MW-5	01/26/05 D	8.7	9.0	1.9	4.8	<0.10	0.098
cont.	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
	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 01/25/07	<1.0 <1.0	1.1 <1.0	<1.0	<3.0	<0.10	0.08
	04/25/07	<1.0	<1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.15
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.23
	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
	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
	04/27/10	<1.0	1.3	<1.0	<1.0	<0.10	0.078
	07/27/10 . 10/26/10	<1.0 <1.0	<1.0 <1.0	<1.0	<1.0	<0.10	<0.05
	01/25/11	<1.0	<1.0	<1.0	4.2	<0.10	<0.05
MW				<1.0	<1.0	<0.10	<0.21
MW-6	01/13/00	3,300	2,000 1,100	240	580	<2.0	<2.0
	04/06/00 07/20/05	3,900 2,000	920	270 340	540 870	<1.0 12	<1.0 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 10/25/07	690 550	360 390	170 150	250	6.6	4.6
	10/25/07 D	930	840	220	180 380	4.5 8.5	4.4 21.0
	01/31/08	1,200	1,200	310	520	11	8.9
	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
	04/28/10	47	17	120	71	2:7	0.72
	07/28/10 10/27/10	40 20	2.7	180	102	3.1	2.9
	01/26/11	27	2.7	130 130	22.3 9.1	2.8	1.0
MW-8	01/20/11	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
74T A4 • O	04/06/00	<0.5	<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
	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
<u>.</u>	01/31/08	2,300	270	340	890	30	130
MW-9	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

Hobbs, New Mexico

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)
MW-11	10/22/08	8,600	460	1,000	2,700	NA 28	6.1
cont.	01/21/09 07/29/09	6,600	210	720 770	1,910 2,020	28 39	6.8 7.1
	10/28/09	5,900 5,200	80 43	880	2,020	29	8.6
	01/27/10	5,600	76	970	2,480	67	10
	07/28/10	3,800	1,500	700	1,670	29	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	120 120	220	<40 200	30 19	1.10 0.85
	09/26/01 12/12/01	3,300 3,520	290	150 258	376	18.5	0.85
	05/21/02	4,040	265	195	284	16.4	0.104
	10/16/02	NA.	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 <0.20
	04/21/04 07/23/04	2,900 3,200	<10 <10	95 66	150 160	11 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 07/21/05 D	3,000 2,800	51 54	160 150	170 160	13	0.85
	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 07/27/06 D	3,600 3,700	<1.0 <1.0	150 150	160 160	15 15	1.00
	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 07/25/07	3,100 3,000	<1.0 <1.0	200 110	200 140	14 14	0.60 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 07/25/08	2,900 2,700	<10.0 <25.0	220 130	201 100	13 8.9	0.75 0.53
	07/25/08 D	2,700	<25.0 <25.0	120	90	8.7	0.33
	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	<0.01>	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 .	221 206	14 16	0.28
	07/29/09 07/29/09 D	4,100 · 4,300	2.2 1.9	180 200	220	17	0.37
	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
	04/28/10	4,400	<10	140	190	15	0.47
	04/28/10 D	4,400	<10	150	200	15	0.46
	07/28/10	5,500	<5.0	120	180	19	0.56
	07/28/10 D	5,500	<25	140	190 190	20 16	0.52 0.48
	10/27/10 10/27/10 D	5,300 4,900	<10 <10	140 150	210	15	0.48
	01/26/11	4,000	<10	140	160	13	1.0

		-	<b>6</b> 0.1	New Mexico	37.1	mnu ono	TOU DO
Well Number	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
					-	1	
MW-13	06/02/00	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<2 <2	<1.0 <0.99	<1.0 <0.99
	08/02/00 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	</td <td><!--</td--><td><l< td=""><td>&lt;1</td><td>&lt; 0.10</td><td>&lt;0.105</td></l<></td></td>	</td <td><l< td=""><td>&lt;1</td><td>&lt; 0.10</td><td>&lt;0.105</td></l<></td>	<l< td=""><td>&lt;1</td><td>&lt; 0.10</td><td>&lt;0.105</td></l<>	<1	< 0.10	<0.105
	04/24/03	<1	<i< td=""><td>&lt;1</td><td>&lt; l</td><td>&lt; 0.10</td><td>&lt; 0.105</td></i<>	<1	< l	< 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 <0.048
	07/22/04 10/27/04	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <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	0.062
	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 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 04/28/10	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<0.10 <0.10	<0.05 <0.05
	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
•	01/26/11	<1.0	<1.0	<1.0	<1.0	<0.10	< 0.20
MW-14	06/02/00	370	5.3	1.7	11	<1.0	<1.0
141 44 - 14	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 07/22/04	5.2 4.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	<0.20 0.059
	10/28/04	2.4	<1.0	<1.0	<3.0	<0.10	<0.039
•	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

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	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRC
Well Number	Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)
MW-14	10/22/08	<1.0	<1.0	<1.0	<1.0	NA	0.1
cont.	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
	04/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.14
	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.13
	10/27/10	<1.0 <1.0	<1.0	<1.0 <1.0	<1.0	<0.10 <0.10	0.076 <0.21
	01/26/11		<1.0		<1.0		
MW-15	06/02/00	830	770	130	170	2.1	2.1
	08/02/00	330	250	42 470	52 650	2.8	3.0
•	11/15/00 07/20/05	2,000 14	2,000 <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 0.20	2.6 14
	01/21/09 04/21/09	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	1.1	0.38	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	0.30	8.5
	01/26/10	<1.0	<1.0	<1.0	<1.0	0.15	3
	04/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	4.3
	07/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	1.9
	10/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.48
	01/25/11	<1.0	<1.0	<1.0	<1.0	< 0.10	3.5
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			0.040
	0.5/0.4/0.0		<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	1.00 NA	<1.00 NA	<1.00 NA	<1.00 NA	<0.10 NA	<0.101 NA
	10/15/02 01/22/03	1.00 NA 1.00	<1.00 NA <1	<1.00 NA <1	<1.00 NA <1	<0.10 NA <0.10	<0.101 NA 0.124
	10/15/02 01/22/03 04/24/03	1.00 NA 1.00 <1	<1.00 NA <1 <1	<1.00 NA <1 <1	<1.00 NA <1 <1	<0.10 NA <0.10 <0.10	<0.101 NA 0.124 0.124
	10/15/02 01/22/03 04/24/03 07/14/03	1.00 NA 1.00 <1 <1.00	<1.00 NA <1 <1 <1.0	<1.00 NA <1 <1 <1.0	<1.00 NA <1 <1 <1.0	<0.10 NA <0.10 <0.10 <0.10	<0.101 NA 0.124
	10/15/02 01/22/03 04/24/03	1.00 NA 1.00 <1 <1.00 <1.00	<1.00 NA <1 <1	<1.00 NA <1 <1	<1.00 NA <1 <1	<0.10 NA <0.10 <0.10	<0.101 NA 0.124 0.124 0.276
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03	1.00 NA 1.00 <1 <1.00	<1.00 NA <1 <1 <1.0 <1.0	<1.00  NA  <1  <1 <1 <1.00 <1.00	<1.00 NA <1 <1 <1.0 <3.0	<0.10  NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04	1.00 NA 1.00 <1 <1.00 <1.00 <1.0	<1.00  NA  <1  <1  <1.00  <1.00  <1.00  <1.00  <1.00	<1.00  NA  <1  <1 <1.00  <1.0  <1.0  <1.0  <1.0	<1.00 NA <1 <1 <1.00 <3.0 <3.0	<0.10  NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101  NA  0.124  0.124  0.276  0.98  <0.048  <0.20  <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04	1.00  NA  1.00  <1  <1.00  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10  NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.20 <0.048 0.087
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04	1.00  NA  1.00  <1  <1.00  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <	<1.00  NA  <1  <1.01  <1.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <	<0.10  NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.20 <0.048 0.087 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10  NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.20 <0.048 0.087 <0.048 0.08
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10  NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.048 0.087 <0.048 0.08 0.053
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 01/26/04 01/26/05 04/20/05 07/19/05	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.0  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.048 0.087 <0.048 0.053 0.050
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 01/26/04 01/26/05 04/20/05 07/19/05 10/19/05	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.0  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.0048 0.087 <0.048 0.083 0.053 0.050 0.084
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 04/26/06	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <	<1.00 NA <1 <1 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.0048 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 01/25/06 04/26/06 07/26/06	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <	<1.00 NA <1 <1 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.004 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 04/26/06 07/26/06 10/25/06	1.00  NA  1.00  <1  <1.00  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.048 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 01/25/06 01/25/06 10/25/06 01/25/06	1.00  NA  1.00  <1  <1.00  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.020 <0.048 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 01/25/06 01/25/06 01/25/07	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.004 0.087 <0.048 0.053 0.053 0.050 0.084 <0.048 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 01/25/06 01/25/06 10/25/06 01/25/06	1.00  NA  1.00  <1  <1.00  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <4.00  <	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.048 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 01/25/06 01/25/07 04/25/07	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.01  <1.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00  <3.00	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.20 <0.048 0.087 <0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.010 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 01/25/07 04/25/07 04/25/07	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.01  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.020 <0.048 0.087 <0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.050
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 10/25/06 01/25/07 04/25/07 07/24/07 10/24/07 01/30/08	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.0  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.048 0.087 <0.048 0.050 0.050 0.084 <0.048 <0.048 <0.010 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 01/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.0  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.004 0.08 0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.010 0.12 <0.050 0.12 <0.050 0.12 <0.050 0.12 <0.050 <0.10 <0.10 0.16 <0.055
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 10/25/06 01/25/07 04/25/07 04/25/07 01/24/07 10/24/07 01/30/08 04/23/08	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1 <1 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.00  NA  <1  <1.0  <1.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <1.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0  <4.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.004 0.083 0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.063 0.12 0.12 <0.050 0.12 <0.010 0.16 <0.050 0.16 <0.050
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 01/25/07 04/25/07 04/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08	1.00 NA 1.00 <1 <1.00 <1.0 <1.0 <1.0 <1.0 <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <1.0  <1.0  <1.0  <1.0  <1.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.020 <0.048 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.010 0.050 <0.10 0.112 <0.050 <0.10 0.16 <0.055 0.25 <0.055
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 01/26/05 04/20/05 07/19/05 10/19/05 10/19/05 01/25/06 01/25/06 01/25/06 01/25/07 04/25/07 01/25/07	1.00  NA  1.00  <1  <1.00  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<ul> <li>&lt;0.101</li> <li>NA</li> <li>0.124</li> <li>0.124</li> <li>0.276</li> <li>0.98</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>0.08</li> <li>0.050</li> <li>0.084</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.050</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.048</li> <li>&lt;0.050</li> <li>&lt;0.10</li> <li>&lt;0.10</li> <li>&lt;0.10</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0.05</li> <li>&lt;0</li></ul>
	10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 10/121/04 04/21/04 07/21/04 10/26/05 04/20/05 04/20/05 01/25/06 01/25/06 01/25/06 01/25/07 04/25/07 01/20/09 04/21/09	1.00  NA  1.00  <1  <1.00  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<1.00  NA  <1  <1.01  <1.00  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <3.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0  <1.0	<0.10 NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.101 NA 0.124 0.124 0.276 0.98 <0.048 <0.020 <0.048 0.087 <0.048 0.053 0.050 0.084 <0.048 <0.048 <0.048 <0.010 0.050 <0.10 0.112 <0.050 <0.10 0.16 <0.055 0.25 <0.055

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRC
Number	Date	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(mg/L)	· (mg/L)
MW-16	04/27/10	<1.0	<1.0	<1.0	<1.0	< 0.10	0.055
cont.	07/27/10	<1.0	<1.0	<1.0	. <1.0	< 0.10	0.25
	10/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/25/11	<1.0	<1.0	<1.0	<1.0	< 0.10	< 0.20
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 05/21/02	. 4	<1.00 <1.00	50.4 1.8	40.1 <1.00	1.12 0.423	0.834
	10/15/02	<1.00	<1.00	<1.00	<1.00	0.423	0.834 NA
	01/22/03	<1.00	<1	<1	<1.00 <1	<1.0	0.124
	04/24/03	<1	<1	<1	<1	<1.0	0.124
	07/14/03	<1.00	<1	<1	<li>&lt;1</li>	<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 10/24/07	<1.0 <1.0	<1.0 <1.0	<1.0	<3.0 <3.0	<0.10 <0.10	0.08
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10 <0.10	0.25
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.23
	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 NA	0.21
MW-18	06/02/00	600	0.66	120	45	<1.0	<1.0
171 17 - 10	08/02/00	780	<0.5	150	46	<0.99	<0.99
	11/15/00	850	0.94	93	50	4.60	1.10
	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	<li>&lt;1</li>	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 04/21/04	260 360	<1.0 <1.0	130 69	73 55	4.30 3.0	0.11 <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	0.13
	01/26/05	310	<1.0	14	24	1.8	0.12
	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 10/25/07	2,700 2,600	<1.0 <1.0	96 81	87 83	9.6 7.9	0.42
	01/30/08	3,500	<1.0	78	51	7.9	0.29
	04/24/08	3,100	<10.0	80	59	8.6	0.29
	04/24/08	4,800	<5.0	58	39.3	10	0.31
	10/22/08	5,200	1.8	140	108	NA	0.25
	01/21/09	3,900	<25.0	100	64	11	0.24
			<1.0	120	118	12	0.19
		4.4(1)			142	15	0.26
	04/22/09	4,400 5,000		140	142	1.3	(J. Z.11
		4,400 5,000 4,500	<1.0 <1.0	140	125	12	0.29
	04/22/09 07/29/09	5,000	<1.0				<del></del>
,	04/22/09 07/29/09 10/28/09	5,000 4,500	<1.0 <1.0	120	125	12	0.29
	04/22/09 07/29/09 10/28/09 01/27/10	5,000 4,500 5,000	<1.0 <1.0 <1.0	120 130	125 152	12 15	0.29 0.3
	04/22/09 07/29/09 10/28/09 01/27/10 04/28/10	5,000 4,500 5,000 4,300	<1.0 <1.0 <1.0 <10	120 130 170	125 152 209	12 15 13	0.29 0.3 0.37

312-33	C1-	Danasas	Tolueno	Ethulhangana	Vulence	TPH-GRO	TPH-DRO
Well Number	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	(mg/L)	(mg/L)
	<del> </del>		1				
MW-19	06/02/00 08/02/00	<0.5 1.8	<0.5 6.3	<0.5 <0.5	<2 11.2	<1.0 <1.0	<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 04/24/03	<1.00 <1.00	<1.00 <1.00	<1.00 <1.00	<1.00 <1.00	<0.10 <0.10	<0.10 <0.10
	07/14/03	<1.00	<1.0	<1.00	<1.00	<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 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.048
	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 10/22/08	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<0.10 NA	<0.10
	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
	04/28/10	<1.0	<1.0	<1.0	<1.0	< 0.10	0.098
	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.067
DATE: 20	01/26/11	<1.0	<1.0	<.1.0	<1.0	<0.10	<0.22
MW-20	06/02/00 08/02/00	<0.5 4	<0.5 3.8	<0.5 4.1	<u>&lt;2</u> 12.7	<1.0 <1.0	<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	<1.00	<0.10 <0.10	NA
	01/22/03 04/24/03	<1.00 <1.00	<1.00 <1.00	<1.00 <1.00	<1.00 <1.00	<0.10 <0.10	<0.10 <0.10
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	0.10
	10/17/03	<1.00	<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 <0.10	<0.048 <0.048
	04/20/05 07/19/05	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <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 04/23/08	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <1.0	<0.10 <0.10	<0.10 <0.10
	04/23/08	<1.0	<1.0	<1.0	<1.0	<0.10	0.19
	07123100	\1.V		74.0	\1.V		V/

Hobbs, New Mexico

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(mg/L)	(mg/L)
MW-20	10/21/08	<1.0	<1.0	<1.0	<1.0	NΛ	<0.05
cont.	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
	04/27/10	<1.0 <1.0	<1.0	<1.0	<1.0	<0.10 <0.10	0.12 <0.05
	07/27/10	<1.0	<1.0 <1.0	<1.0	<1.0	<0.10	<0.05
	10/26/10	<1.0	<1.0	<1.0 <1.0	<1.0	<0.10	<0.03
2477.04	01/25/11				<1.0		
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 O 10	<0.105
	01/22/03	<1	<1	<1	<l< td=""><td>&lt;0.10</td><td>&lt;0.116</td></l<>	<0.10	<0.116
	04/24/03 07/14/03	<1 <1.00	<1.0	<1 <1.0	<1	<0.10 <0.10	<0.116 0.14
	10/17/03	<1.00	<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
		<1.0	<1.0			<0.10	<0.20
	04/21/04 07/21/04	<1.0	<1.0	<1.0 <1.0	<3.0 <3.0	<0.10	<0.048
						<0.10	0.090
	10/26/04 01/26/05	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10	< 0.090
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.25
	04/20/05	<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	0.10
	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
	04/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.12
• 1	07/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/26/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/25/11		<1.0	<1.0	<1.0	<0.10	-0.01
MW-22		<1.0	V1.0			30.10	<0.21
	06/13/02	<1.0 NA	NA	NA	NA	NA	<0.10
ì				NA <1.0		NA <0.10	
	06/13/02	NA	NA		NA	NA	<0.10
	06/13/02 06/20/02 10/15/02 01/22/03	NA <1.0 <1.0 <1.0	NA <1.0	<1.0	NA <1.0	NA <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03	NA <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101 <0.101
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03	NA <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0	NA <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101 <0.101 <0.10
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.00	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101 <0.101 <0.10 0.35
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 · <1.0 · <1.0 · <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101 <0.101 <0.10 0.35. <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101 <0.101 <0.10 0.35. <0.048 <0.20
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.102 <0.101 <0.101 <0.100 <0.100 <0.200 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.00 <1.00 <1.0 <1.	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.102 <0.101 <0.101 <0.100 <0.35 <0.048 <0.20 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.102 <0.101 <0.101 <0.10 0.35 <0.048 <0.20 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.102 <0.101 <0.101 <0.100 <0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.102 <0.101 <0.101 <0.100 <0.355 <0.048 <0.20 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 10/20/05	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35. <0.048 <0.0048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 07/21/05 10/20/05	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35 <0.048 <0.20 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.073
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 01/25/06 04/26/06	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35. <0.048 <0.20 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 01/25/06 04/26/06 07/26/06	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35. <0.048 <0.20 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 07/21/05 01/25/06 04/26/06 07/26/06	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35. <0.048 <0.20 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 01/25/06 07/26/06 10/25/06 01/25/06	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.10  0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.094  0.0968
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 07/21/05 01/25/06 04/26/06 07/26/06 10/25/06 01/25/06 01/25/07	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.094 <0.094 <0.073 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094 <0.094
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 01/26/05 04/20/05 07/21/05 10/20/05 01/25/06 01/25/06 01/25/06 01/25/07	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.094 0.073 <0.048 <0.094 0.073 <0.048 0.094 0.073 <0.048 0.094 0.073 <0.048 0.094 0.073
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 01/22/04 10/27/04 01/26/05 04/20/05 07/21/05 10/20/05 01/25/06 01/25/06 01/25/07 04/26/07 04/26/07	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.10  0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.068 0.094 0.073 <0.048 <0.048 <0.048 <0.048 <0.050 <0.048 <0.050
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 01/26/05 04/20/05 07/21/05 10/20/05 01/25/06 01/25/06 01/25/06 01/25/07 04/26/07 07/25/07 10/24/07 01/30/08	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.10  0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048  0.094  0.073 <0.048  0.081 <0.048  0.068  0.20  0.13 <0.050 <0.10
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 01/22/04 10/27/04 01/26/05 04/20/05 07/21/05 10/20/05 01/25/06 01/25/06 01/25/06 01/25/07 04/26/07 07/25/07 10/24/07 01/30/08 04/23/08	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101  0.35. <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048  0.094  0.073 <0.048  0.081 <0.048  0.048  0.010 <0.048  0.010 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 07/22/04 10/27/04 01/26/05 04/20/05 07/21/05 10/20/05 01/25/06 01/25/06 01/25/06 01/25/06 01/25/07 04/26/07 07/25/07 10/24/07 01/30/08 04/23/08	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.010 <0.073 <0.081 <0.068 <0.068 <0.068 <0.068 <0.073 <0.068 <0.073 <0.068 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.073 <0.0
	06/13/02 06/20/02 10/15/02 01/22/03 04/24/03 07/14/03 10/17/03 01/21/04 04/21/04 01/22/04 10/27/04 01/26/05 04/20/05 07/21/05 10/20/05 01/25/06 01/25/06 01/25/06 01/25/07 04/26/07 07/25/07 10/24/07 01/30/08 04/23/08	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	NA <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3	NA <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10	<0.10 <0.101 <0.101 <0.101 <0.101 <0.101 <0.101 <0.35. <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)
MW-22	07/29/09	<1.0	<1.0	<1.0	<1.0	< 0.10	<0.05
· cont.	10/28/09	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/27/10 04/28/10	<1.0 <1.0	<1.0	<1.0 <1.0	<1.0 <1.0	<0.10 <0.10	<0.05 <0.05
	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	01/26/11	<1.0	<1.0	<1.0	<1.0	<0.10	<0.21
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 10/17/03	<1.00 <1.0	<1.00 <1.0	<1.00	<1.00	<0.10	<0.10
	01/21/04	<1.0	<1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.33 <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 01/25/06	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	<0.048 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 04/23/08	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0	<0.10	<0.10
	07/24/08	<1.0	<1.0	<1.0	<1.0 <1.0	<0.10 <0.10	<0.10
	10/22/08	<1.0	<1.0	<1.0	<1.0	NA 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	<0.1>	<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
	04/28/10 07/28/10	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<0.10	<0.05
	10/27/10	<1.0	<1.0	<1.0	<1.0	<0.10 <0.10	<0.05 <0.05
	01/26/11	<1.0	<1.0	<1.0	<1.0	<0.10	<0.20
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 10/19/05 D	140	<1.0	60	21	1.9	0.38
	01/25/06	93	<1.0 2.3	31 35	11 11	1.2	0.43 0.54
,	01/25/06 D	75	6.8	30	10 ·	1.1	0.42
	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 01/25/07	46 19	20.0 7.1	40 34	17	0.68	0.26
	01/25/07 D	21	7.1	35	12	0.68	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 4/23/08 D	1.2	<1.0	8.4	7.0	0.21	0.27
	4/23/08 D 07/24/08	3.2 3.2	2.9	19	7.0 4.5	0.63	0.26
	7/24/08 D	4.5	4.7	36	9.1	0.29	0.32
	10/21/08	<1.0	1.2	1.8	<1.0	NA NA	0.26
	10/21/08 D	4.4	13	38	9.9	NA NA	0.34
	01/21/09	1.6	6.8	16	6.1	0.79	0.48
	1.01.00 D	-1.0	2	3.4	2	1.1	0.45
	1/21/09 D 04/21/09	<1.0 2.3	15	36	15.9	1.3	0.43

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	Denzene (μg/L)	(μg/L)	Linymenzene (μg/L)	Aylenes (μg/L)	(mg/L)	(mg/L)
MW-24	04/21/09 D	2.0	3.5	16	5.3	0.46	0.34
cont.	07/28/09	<1.0	3.3	7.2	2.6	0.46	0.44
20111	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
•	04/27/10	3.0	<1.0	6.0	<1.0	0.51	0.44
	04/27/10 D 07/27/10	4.1 3.2	<1.0	5.5	<1.0	0.52	0.75
	07/27/10 D	1.2	<1.0 <1.0	7.6	<1.0 <1.0	0.37	0.30
	10/26/10	2.0	<1.0	3.7	<1.0	0.20	0.33
	10/26/10 D	2.3	<1.0	4.7	<1.0	0.21	0.24
	01/25/11	<1.0	<1.0	<1.0	<1.0	0.15	0.41
	01/25/11 D	1.6	<1.0	4.5	<1.0	0.19	0.31
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 04/25/07	<1.0 <1.0	<1.0	<1.0	<3.0	<0.10	0.52
	07/24/07	<1.0	<1.0 <1.0	<1.0	<3.0	<0.10 <0.10	0.43 0.36
	10/24/07	<1.0	<1.0	<1.0	<3.0 <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
	04/27/10 07/27/10	<1.0 <1.0	<1.0	<1.0	<1.0	<0.10 <0.10	0.34 <0.05
	10/26/10	<1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<0.10	0.11
	01/25/11	<1.0	<1.0	<1.0	<1.0	<0.10	<0.20
MW-26	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
141 44 - 20	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
İ	07/25/07 10/24/07	<1.0 <1.0	<1.0	<1.0	<3.0	<0.10	0.89
	01/30/08	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.39
	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
	04/27/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.078
	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
	10/27/10 01/26/11	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05 <0.21
	01/20/11	<1.0	<1.0	<1.0	<1.0	<0.10	<u.21< th=""></u.21<>

### Table 2b

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

Wall	Sample	Ranzana		Ethylbenzene	Yylanac	TPH-GRO	TPH-DRO
Well Number	Sample . Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	(mg/L)	(mg/L)
MW-27	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.095
l	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 04/26/06	<1.0 52.00	<1.0 14.00	<1.0 5.70	<3.0 17.0	<0.10 0.45	0.17 0.097
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.097
	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
ľ	04/25/07	30	2.5	1.5	<3.0	<0.10	0.62
Į.	07/25/07	1.8	<1.0	<1.0	<3.0	< 0.10	0.94
Ì.	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
ŀ	07/24/08	140	33	6.3	11	0.57	0.20
ļ	10/22/08	13	1.1	<1.0	<1.0	NA 0.10	0.07
,	01/21/09	170	8.6	2.4	7.5	0.48	<0.05
	04/22/09 07/29/09	120 27	6.8	3.1 <1.0	6.6	0.40 0.13	<0.05 <0.05
	10/28/09	19	3.4	<1.0	<1.0	<0.10	<0.05
	01/27/10	5	<1.0	<1.0	<1.0	<0.10	<0.05
·	04/28/10	46	1.2	<1.0	1.5	0.15	0.057
	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05
ŀ	10/27/10	4.8	<1.0	<1.0	<1.0	<0.10	< 0.05
	01/26/11	7.8	<1.0 .	<1.0	<1.0	<0.10	<0.21
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
ł	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
i	01/22/04	1.7	1.0	2.0	<3.0	<0.10	0.42
l	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 12	1.5	10 12	7.8	0.40 0.19	1.2
ľ	01/27/05 04/20/05	<1.0	<1.0 <1.0	14	<3.0 <3.0	0.19	0.68 0.35
	07/21/05	23	1.3	27	<3.0	0.12	0.33
	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
Ī	10/26/06	<1.0	<1.0	<1.0	<3.0	0.16	0.17
ĺ	01/26/07	3.5	<1.0	5.0	<3.0	0.42	0.42
ĺ	04/26/07	1.8	<1.0	12.0	<3.0	0.56	0.41
1	07/25/07	2,6	<1.0	8.3	<3.0	0.52	0.42
1	10/25/07	<1.0 21	<1.0 <1.0	3.2	<3.0 <3.0	0.39 0.43	0.30
l	01/31/08 04/24/08	14	<1.0	26	<1.0	0.43	0.21
	07/25/08	180	<1.0	16	12	0.68	0.28
1	10/22/08	<1.0	<1.0	<1.0	<1.0	NA NA	0.28
1	01/21/09	1.3	<1.0	<1.0	<1.0	0.18	0.18
l	04/22/09	2.5	<1.0	<1.0	<1.0	0.11	0.32
1	07/29/09	<1.0	<1.0	<1.0	<1.0	0.12	0.17
1	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
ŀ	04/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	0.089
1	07/28/10	<1.0	<1.0	<1.0	<1.0	<0.10	<0.05 <0.05
	10/27/10 01/26/11	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<0.10 <0.10	<0.05 <0.21
CP 1	06/02/00	9.4	7.4	2.5	7	<1.0	<1.0
SP-1	00/02/00	9.4	7.4	2.3		<1.0	<1.U

Notes:

 $\mu g/L = micrograms per liter$  mg/L = milligrams per liter

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH) TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

NA= not analyzed

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
MW-2	07/29/09	66.1	(mg L)	(нель)	(146/2)
171 77 - 2	10/28/09	89.1	1		<del> </del>
	01/27/10	67.2			
MW-3	01/23/03	176			
	04/24/08	47.9			
	07/25/08	44.7	ļ		ļi
	10/22/08	32.9	ļ		ļ
	07/29/09 10/28/09	36.8 43.2			<del></del>
	01/27/10	38.2	<u> </u>	********	
	04/28/10	35.4			
MW-4	01/13/00	210			
	04/06/00	180	ļ		ļ
	08/02/00	140		·	<del>                                     </del>
	03/06/01	180 180			-
	06/25/01	200	<del>                                     </del>		<del> </del>
	09/26/01	180	<u> </u>	···	
	12/12/01	158			
	05/21/02	144	569	1,330	51
	10/16/02	81			<u> </u>
	01/23/03	173 159	<del>                                     </del>		<del> </del>
	04/25/03	166	<del>  " </del>		
	10/17/03	190		-	
	01/22/04	176			
	04/22/04	180			
	07/22/04	192			
	10/28/04	186			<del> </del>
	01/26/05 04/20/05	173 128			+
	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 01/25/07	113.0			<del> </del>
	04/25/07	52.1 68.8			<del>                                     </del>
	07/25/07	51.6			
	10/24/07	38.5			
	01/30/08	36.8			
	04/23/08	34.5			<del> </del>
	07/24/08 10/22/08	41.7 32.9	<del> </del>		
	01/21/09	34.4		<del></del>	<del> </del>
	04/22/09	33.7		********	
	07/29/09	42.7			
	10/28/09	62.2			ļ
	01/26/10	52.6	1		
	04/27/10 07/27/10	68.2 63.1			<del>                                     </del>
	10/26/10	61.9			<del> </del>
	01/25/11	73.3			
MW-5	01/13/00	130			
	04/06/00	130			
	08/02/00	130			
	11/15/00	180			<del> </del>
	03/06/01 06/25/01	210 240	+		+
	09/26/01	260		*********	<del> </del>
	12/12/01	216	<del>                                     </del>		
	05/21/02	180	619	698	29
	10/16/02	51			
	01/23/03	187			
	04/25/03	173			<del> </del>
	07/14/03 10/17/03	184	<del>                                     </del>		<del> </del>
	01/22/04	179	<del>                                     </del>		<del>                                     </del>
	U-1/2/1/UT	117			

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-5	04/22/04 D	189	i i		
cont.	07/23/04	197	<del> </del>		1
	10/28/04	196			<u> </u>
	01/26/05	190			
	01/26/05 D	188			<b>†</b>
	04/20/05	184	1		<del> </del>
	07/20/05	196	1		<del></del>
	10/19/05	187			<del>                                     </del>
	01/25/06	200	<del>                                     </del>		1
	04/26/06	196	<del> </del>		<del> </del>
	07/26/06	177			
	10/25/06	133	+		<del> </del>
		71.0	-		<del> </del>
	01/25/07		1		<del> </del>
	04/25/07	48.7	<del> </del>		
	07/25/07	44.8	1		<del>-  </del>
	10/24/07	32.9	<del>   </del>		ļ
	01/30/08	38.6	ļ		<del></del>
	04/23/08	36.1	ļļ		ļ
	07/24/08	21.4	ļ <b>.</b>		ļ
	10/22/08	19.5	ļ		<del>                                     </del>
	01/21/09	24.5	ļ		<del>                                     </del>
	04/22/09	22.1	<u> </u>		
	07/29/09	22.6			4
	10/28/09	40.9			
	01/26/10	40.5			
	04/27/10	64.6			
	07/27/10	64.1			
	10/26/10	67.2			
	01/25/11	90.1			
MW-6	01/13/00	230			
11111-0	04/06/00	200	<del> </del>		<u> </u>
	07/20/05	106	<del>                                     </del>		-
	10/20/05	99.2			
	01/26/06	161	<del>  </del>		<del>                                     </del>
	07/27/06	90.1			<del> </del>
•	10/26/06	60.6	<del>                                     </del>	•	<del>                                       </del>
	01/26/07	62.5	†		
	04/26/07	85.4			<del>                                     </del>
	07/25/07	126			
	10/25/07	170	-		
	10/25/07 D	155			
	01/31/08	147			
	01/31/08 D	146			1
	04/24/08	121			
	07/25/08	101			
	10/22/08	97.9			
	01/21/09	111	† <del></del>		<u> </u>
	04/22/09	107	<u> </u>		<u> </u>
	07/29/09	124	1		
	10/28/09	163	†		1
	01/27/10	112	<del>                                     </del>	·····	<b>†</b>
	04/28/10	92.6	<del> </del>		<del>                                     </del>
	07/28/10	111	<del>  </del>		<del> </del>
	10/27/10	102	<del>  </del>	· · · · · · · · · · · · · · · · · · ·	<del> </del>
	01/26/11	85.4	-		<del>                                     </del>
3411.0					<del>                                     </del>
MW-8	01/13/00	160	<del> </del>		<del> </del>
	04/06/00	90	<del>                                     </del>		<del>                                     </del>
	08/02/00	84	ļ		<del> </del>
	11/15/00	100	<b></b>		<b>_</b>
	03/06/01	87			<u> </u>
	06/25/01	75			
	09/26/01	72			<u> </u>
	12/12/01	85			
	05/21/02	104	546	638	76
	10/16/02	42.4			
	01/22/03	106			
•	01/31/08	107	<del>                                     </del>		
	04/24/08	55.1	1		
MW_0					
MW-9	<del>  _</del>		+		<del> </del>
MW-9 MW-10	01/13/00 04/06/00	180			

Hobbs, New Mexico

MW-11	Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganese (μg/L)
08/02/00	MW-11	04/06/00	310			
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 07/28/10 250  MW-12 04/06/00 190 08/02/00 150 11/15/00 190 08/02/00 180 06/25/01 190 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 10/123/03 180 04/25/03 179 07/14/03 204 10/20/03 197 01/21/04 183 04/21/04 188 07/23/04 195 07/23/04 195 07/23/04 195 07/23/04 196 01/27/05 187 01/27/05 D 193 04/20/05 D 154 07/21/05 D 159 07/21/05 D 193 04/20/05 D 154 07/21/05 D 193 04/27/06 168 01/26/06 188 01/26/06 D 188 07/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 169 4/27/06 172 10/26/07 D 164 01/26/07 D 164 01/26/07 D 164 01/26/07 D 166 07/25/07 D 166		()8/()2/()()	270	1		
06/25/01   290   04/24/08   238   07/25/08   271   10/22/08   185   01/21/09   206   07/25/08   271   10/22/08   185   01/21/09   206   07/29/09   228   10/28/09   303   01/27/10   232   07/28/10   250   07/28/10   250   07/28/10   250   07/28/10   250   07/28/10   150   11/15/00   190   08/02/00   150   11/15/00   190   09/26/01   180   06/25/01   190   09/26/01   180   06/25/01   190   09/26/01   180   05/21/02   180   864   2,050   478   10/16/02   69.5   01/23/03   179   07/14/03   204   10/20/03   179   07/14/03   204   10/20/03   197   01/21/04   183   04/21/04   188   07/23/04   195   07/23/04   196   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/05   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/27/06   01/26/07		11/15/00	300		•	
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 07/28/10 250  MW-12 04/06/00 190 08/02/00 150 11/15/00 190 03/06/01 180 06/25/01 190 05/26/01 180 12/12/01 169 05/21/02 180 864 2,050 478 10/16/03 189 01/23/03 180 04/25/03 179 07/14/03 204 10/20/03 197 01/21/04 183 04/21/04 183 04/21/04 188 07/23/04 195 07/23/04 D 196 01/27/05 D 193 04/20/05 D 154 07/21/05 D 158 01/26/06 168 01/26/06 D 183 04/27/06 169 04/25/07 D 164 01/26/07 D 164 01/26/07 D 164 01/26/07 D 164 01/26/07 D 164 01/26/07 D 166 07/25/07 D 177 07/25/07 D 192	•	03/06/01	280			· ·
07/25/08   271     10/22/08   185     01/21/09   206     07/29/09   228     10/28/09   303     01/27/10   232     07/28/10   250      MW-12		06/25/01	290			
10/22/08	•	04/24/08	238			
01/21/09 206 07/29/09 228 10/28/09 303 01/27/10 232 07/28/10 250  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 07/23/04 196 01/27/05 D 193 04/20/05 D 154 07/21/05 180 07/21/05 180 07/21/05 180 07/21/05 187 01/22/05 D 154 07/21/05 D 158 01/26/06 D 179 07/27/06 D 188 07/27/06 D 188 07/27/06 D 178 07/27/06 D 178 07/26/07 D 166 07/25/07 D 179 07/25/07 D 192			271			
10729/09   228   10728/09   303   01727/10   232   07/28/10   250   07/28/10   250   08/02/00   150   08/02/00   150   03/06/01   180   06/25/01   190   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   180   09/26/01   190   09/26/01   180   09/26/01   180   09/26/01   190   09/26/01   180   09/26/01   190   09/2		10/22/08	185			
10/28/09 303 01/27/10 232 07/28/10 250  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 01/23/03 179 07/14/03 204 10/20/03 197 01/21/04 183 04/25/03 197 01/21/04 183 04/21/04 188 07/23/04 195 07/23/04 195 07/23/04 196 01/27/05 D 193 04/20/05 151 04/20/05 151 04/20/05 151 04/20/05 149 10/20/05 D 158 01/26/06 D 183 04/27/06 169 4/27/06 169 4/27/06 169 4/27/06 D 136 10/26/06 172 10/26/06 D 174 01/26/07 D 164 04/25/07 175 04/25/07 D 166 07/25/07 D 166 07/25/07 D 166 07/25/07 D 192			206			
MW-12		07/29/09	228			
MW-12  04/06/00  190  08/02/00  11/15/00  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  179  07/14/03  204  10/20/03  197  01/21/04  188  07/23/04  195  07/23/04  196  01/27/05  187  01/27/05  187  01/27/05  187  01/20/05  154  07/21/05  180  07/21/06  188  01/26/06  188  01/26/06  10/26/06  172  10/26/06  10/26/06  10/26/07  174  01/26/07  174  01/26/07  175  04/25/07  177  01/26/07  175  04/25/07  177  01/26/07  166  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177  07/25/07  177						
MW-12  04/06/00  11/15/00  11/15/00  11/15/00  11/15/00  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  188  07/23/04 D  196  01/27/05  187  01/27/05 D  188  07/21/05 D  189  10/26/06 D  183  04/27/06 D  178  07/27/06 D  10/26/07 D  164  04/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166  07/25/07 D  166						<u> </u>
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 D 151 04/20/05 D 154 07/21/05 D 158 01/26/06 D 183 04/27/06 D 178 07/27/06 D 164 04/25/07 D 166 07/25/07 D 192		07/28/10	250			
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 07/23/04 196 10/28/04 196 01/27/05 D 193 04/20/05 D 154 07/21/05 D 180 01/26/06 168 01/26/06 D 178 07/27/06 D 136 07/27/06 D 136 01/26/06 D 170 01/26/07 D 164 04/25/07 D 166 07/25/07 D 192	MW-12	04/06/00	190	1	•	
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 D 193 04/20/05 D 154 07/21/05 D 158 01/26/06 168 01/26/06 D 183 04/27/06 169 4/27/06 D 136 10/26/06 D 170 01/26/07 174 01/26/07 D 166 07/25/07 D 166 07/25/07 D 166 07/25/07 D 166 07/25/07 D 166 07/25/07 D 192		08/02/00	150			
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 01/21/04 188 07/23/04 195 07/23/04 196 01/27/05 D 193 04/20/05 D 154 07/21/05 D 158 01/26/06 168 01/26/06 D 138 04/27/06 162 07/27/06 D 136 10/26/06 D 136 10/26/06 D 170 01/26/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192		11/15/00	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         195         07/23/04         196         01/27/05         187         01/27/05         187         01/27/05         187         01/27/05         187         01/27/05         151         04/20/05         151         04/20/05         151         04/20/05         151         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/05         180         07/21/06		03/06/01	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 07/23/04 195 07/23/04 196 10/28/04 196 01/27/05 D 193 04/20/05 D 154 07/21/05 D 180 07/21/05 D 189 07/21/05 D 158 01/20/05 D 158 01/26/06 D 183 04/27/06 169 4/27/06 D 178 07/27/06 169 07/27/06 D 178 07/27/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/06 D 170 01/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 177 07/25/07 D 192	• *		190			
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  07/23/04 196  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 D 180  07/21/05 D 189  10/20/05 149  10/20/05 149  10/20/05 149  10/20/05 149  10/20/05 168  07/21/05 188  07/21/06 169  4/27/06 169  4/27/06 169  4/27/06 172  10/26/06 172  10/26/06 172  10/26/06 173  10/26/06 174  01/26/07 174  01/26/07 D 164  04/25/07 D 166  07/25/07 D 166  07/25/07 D 166  07/25/07 D 166  07/25/07 D 192		09/26/01	180		-	
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 D 193 04/20/05 151 04/20/05 D 154 07/21/05 D 179 10/20/05 D 158 01/26/06 168 01/26/06 168 01/26/06 D 178 07/27/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 136 01/26/06 D 136 01/26/06 D 136 01/26/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192			169			
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 D 180 07/21/05 D 189 07/21/05 D 189 07/21/05 D 189 07/21/05 D 189 07/21/05 D 189 07/21/05 D 189 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 D 183 04/27/06 D 178 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 192	•	05/21/02	180	864	2,050	478
04/25/03       179         07/14/03       204         10/20/03       197         01/21/04       183         04/21/04       188         07/23/04 D       195         07/23/04 D       196         10/28/04 D       196         01/27/05 D       187         01/27/05 D       193         04/20/05 D       154         07/21/05 D       180         07/21/05 D       179         10/20/05 D       149         10/20/05 D       158         01/26/06 D       168         01/26/06 D       183         04/27/06 D       169         4/27/06 D       178         07/27/06 D       136         10/26/06 D       172         10/26/06 D       170         01/26/07 D       164         04/25/07 D       166         07/25/07 D       192						
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 D 154 07/21/05 D 180 07/21/05 D 179 10/20/05 D 158 01/27/05 D 189 01/27/06 D 188 01/26/06 D 188 07/27/06 D 178 07/27/06 D 136 10/26/06 D 136 10/26/06 D 136 10/26/06 D 172 10/26/06 D 136 10/26/06 D 172 10/26/06 D 173 01/26/06 D 174 01/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 192						<u></u>
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 D 154 07/21/05 D 180 07/21/05 D 179 10/20/05 D 158 01/26/06 D 183 04/27/06 D 178 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 172 10/26/06 D 173 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 177 07/25/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192					*:	
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 D 179 10/20/05 D 158 07/21/05 D 179 10/20/05 D 158 01/26/06 D 183 01/26/06 D 183 01/27/06 D 178 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 01/26/06 D 172 10/26/06 D 173 07/27/06 D 136 07/27/06 D 136 07/27/06 D 176 01/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192						ļ
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 D 180 07/21/05 D 179 10/20/05 D 158 01/26/06 168 01/26/06 D 183 04/27/06 169 4/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 10/26/06 D 178 07/27/06 D 136 07/27/06 D 136 07/27/06 D 170 01/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192				<u> </u>		ļ
07/23/04						
07/23/04 D       196         10/28/04       196         01/27/05       187         01/27/05 D       193         04/20/05 D       151         04/20/05 D       154         07/21/05 D       180         07/21/05 D       179         10/20/05 D       158         01/26/06 D       168         01/26/06 D       183         04/27/06 D       178         07/27/06 D       162         07/27/06 D       136         10/26/06 D       172         10/26/06 D       172         10/26/06 D       170         01/26/07 D       164         04/25/07 D       166         07/25/07 D       192				ļ		
10/28/04 196 01/27/05 187 01/27/05 D 193 04/20/05 D 151 04/20/05 D 154 07/21/05 D 180 07/21/05 D 179 10/20/05 D 158 01/26/06 168 01/26/06 D 183 04/27/06 D 178 07/27/06 D 178 07/27/06 D 136 07/27/06 D 136 01/26/06 D 136 01/26/06 D 136 01/26/06 D 170 01/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 192				1	<del></del>	
01/27/05 D 193 04/20/05 D 193 04/20/05 D 151 04/20/05 D 154 07/21/05 D 180 07/21/05 D 179 10/20/05 D 158 01/26/06 D 158 01/26/06 D 183 04/27/06 D 178 07/27/06 D 178 07/27/06 D 136 07/27/06 D 136 07/27/06 D 136 07/27/06 D 178 07/27/06 D 178 07/27/06 D 178 07/27/06 D 179 01/26/07 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 192						ļ
01/27/05 D 193 04/20/05 D 151 04/20/05 D 154 07/21/05 180 07/21/05 D 179 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 07/27/06 162 07/27/06 D 136 01/26/06 D 136 01/26/07 D 136 01/26/07 D 174 01/26/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192					<u> </u>	
04/20/05 D 151  04/20/05 D 154  07/21/05 180  07/21/05 D 179  10/20/05 D 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 D 136  01/26/07 D 164  04/25/07 D 164  04/25/07 D 166  07/25/07 D 192					<del></del>	ļ
04/20/05 D 154 07/21/05 180 07/21/05 D 179 10/20/05 D 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 D 162 07/27/06 D 136 01/26/06 D 136 01/26/07 D 136 01/26/07 D 174 01/26/07 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192				ļ		
07/21/05				ļ		ļ
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 D     169       4/27/06 D     178       07/27/06 D     162       07/27/06 D     136       10/26/06 D     170       01/26/07 D     174       01/26/07 D     164       04/25/07 D     166       07/25/07 D     192						
10/20/05						ļ
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 D 164 04/25/07 D 164 04/25/07 D 166 07/25/07 D 192						<u> </u>
01/26/06				ļ		<del> </del>
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 D 164 04/25/07 D 166 07/25/07 D 166 07/25/07 D 192				<u> </u>	·	+
04/27/06				<del> </del>		+
4/27/06 D     178       07/27/06     162       07/27/06 D     136       10/26/06 D     172       10/26/06 D     170       01/26/07 D     164       04/25/07 D     166       07/25/07 D     192		) <del></del>		+		1
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 D     192				<del>                                     </del>	· · · · · · · · · · · · · · · · · · ·	-
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				<del>                                     </del>		
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				-		
10/26/06 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				<del> </del>	·	+
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				<del>                                     </del>		<del>                                     </del>
01/26/07 D 164 04/25/07 175 04/25/07 D 166 07/25/07 177 07/25/07 D 192				<del> </del>		<del> </del>
04/25/07 175 04/25/07 D 166 07/25/07 177 07/25/07 D 192				<del>                                     </del>		<del> </del>
04/25/07 D 166 07/25/07 177 07/25/07 D 192				† · · · · · · · · · · · · · · · · · · ·	········	1
07/25/07 177 07/25/07 D 192						<u>†                                      </u>
07/25/07 D 192				1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
			•	1		
10/25/07   211		10/25/07	211			
10/25/07 D 187						
01/31/08 181		01/31/08	181			
01/31/08 D 177		01/31/08 D	177			
04/24/08 185		04/24/08	185			
04/24/08 D 183		04/24/08 D	183			
07/25/08 182		07/25/08	182			
07/25/08 D 180	•	07/25/08 D				
10/22/08 138		10/22/08	138			
10/22/08 D 134						
01/21/09 165						
01/21/09 D 156		01/21/09 D	156			
04/22/09 193		04/22/09	193			
04/22/09 D 185		04/22/09 D	185			
07/29/09 190		07/29/09	190			
07/29/09 D 197		07/29/09 D	197			
10/28/09 235		10/28/09	235			

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (μg/L)
MW-12	10/28/09 D	233			
cont.	01/27/10	192			
	01/27/10 D	198	<b> </b>		
1	04/28/10	171	<b> </b>		ļ
	04/28/10 D	173			
1	07/28/10 07/28/10 D	190	<del> </del>		<del> </del>
1	10/27/10	194 201	<del> </del>		
j l	10/27/10 D	191			<del> </del>
	01/26/11	186	<del>                                     </del>		
1	01/26/11 D	186			
MW-13	06/02/00	91		****	
	08/02/00	61			
	11/15/00	63			<u> </u>
	03/06/01	66			
	06/25/01	200			
1 !	09/26/01	66			
	12/12/01	69.5			
]	05/21/02	58.5	617	563	23
1	10/16/02	71.5	<b> </b>		<del> </del>
] "]	01/22/03	72.6	ļ		<b>!</b>
	04/24/03	67.0	ļ		
	07/14/03	72.2	<del>                                     </del>		<del> </del>
	10/17/03 01/21/04	67.6 68.8	<del>                                     </del>		<del>                                     </del>
]	04/21/04	62.2	<del>                                     </del>		
1	07/22/04	64.6			
	10/27/04	59.7			
	01/26/05	66.9			
]	04/20/05	69.0			<u> </u>
	07/21/05	64.9			
1	10/20/05	63.9			1
	01/25/06	68.1			
	04/26/06	65.8			
	07/26/06	71.5	<b></b> .		<u> </u>
	10/25/06	91.4			ļ
l i	01/25/07	65.0		<del></del>	
	04/25/07 07/25/07	69.8 71.2	<del></del>		ļ
1 '	10/24/07	61.9			
	01/30/08	71.2	<u> </u>	<del></del>	<del> </del>
j	04/23/08	71.5			<del> </del>
	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			ļ
	10/28/09	80.7	<b></b>		<del>                                     </del>
	01/27/10	69.5	<del>                                     </del>	<u></u>	<del> </del>
	04/28/10	76.7			
	07/28/10 10/27/10	70.9 69.9	· · · · · · · · · · · · · · · · · · ·	, <u>,</u>	<del> </del>
}	01/26/11	74.9	<del> </del>		-
MW-14	06/02/00	180			
172 77 - 144	08/02/00	170			<del> </del>
	11/15/00	190			<del>                                     </del>
	03/06/01	.190			
l t	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			ļ
] ]	04/25/03	194			
	07/14/03	242			
	10/17/03	214			
] ]	01/21/04	200	ļ		-
	04/21/04	201	<b></b>	<del></del>	<del> </del>
ļ	07/22/04	203			
	10/28/04	91.7	L		

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganese (μg/L)
MW-14	01/26/05	87.7			<del>†                                    </del>
cont.	04/20/05	141			
cont.	07/21/05	107	<del>                                     </del>		<del> </del>
	10/20/05	234	1		
	01/26/06	166			
	04/27/06	183	<del>  </del>		<del></del>
	07/27/06	164	<del> </del>	····	<del> </del>
	10/26/06	189	+		<del> </del>
	01/25/07	178	1		<del>                                     </del>
	04/26/07	192		<del></del>	
	07/25/07	188	<del> </del>		+
	10/25/07	209	-		<del></del>
	01/30/08	194	<del>  -  </del>		<del>                                      </del>
	04/23/08	171	<del> </del>		<del></del>
	07/24/08	196	<del>                                     </del>		
	10/22/08	131	<del> </del>	<del></del>	+
	01/21/09	189	<del>                                     </del>		<del> </del>
	04/22/09	156	<del></del>		<del> </del>
			<del> </del>		<del> </del>
	07/29/09 10/28/09	237	<del>                                     </del>		<del> </del>
		256	<del> </del>		-
	01/27/10	202			· · · · · · · · · · · · · · · · · · ·
	04/28/10	190	<del>                                     </del>		<del> </del>
	07/28/10	221	<del>  </del>		<del> </del>
	10/27/10	231	<b> </b>		1
	01/26/11	216	<u> </u>		<b>.</b>
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			
	04/26/06	301	•		
	07/26/06	327			
	10/25/06	321			
	01/25/07	321			<u> </u>
	04/25/07	290			1
	07/24/07	251	1		
	10/24/07	287			<del>-</del>
	01/30/08	289			<b>†</b>
	04/23/08	297	1		
	07/24/08	372	<del></del>		·
	10/21/08	200			·
	01/21/09	285	1		
	04/21/09	252	<del>                                     </del>		
	07/28/09	172	<del>                                     </del>		····
	10/27/09	218	<del>                                     </del>		
	01/26/10	188	<del>                                     </del>		<del> </del>
	04/27/10	167	<del>                                     </del>		<del>                                     </del>
	07/27/10	190	<del>                                     </del>		+
	10/26/10	183	<del> </del>		
	01/25/11	185	<del>                                     </del>		+
M317 47			<del>                                     </del>		<del> </del>
MW-16	06/02/00	220			
	08/02/00	210	<del> </del>		ļ
	11/15/00	210	<del> </del>		<del> </del>
	03/06/01	240	<del>                                     </del>	· · · · · · · · · · · · · · · · · · ·	<b></b>
	06/25/01	240	<del>                                     </del>		<del></del>
	09/26/01	67	ļ		<del> </del>
	12/12/01	172	<b> </b>		4
	05/21/02	159	540	2,940	83
	10/15/02	194			
	01/22/03	206			
	04/24/03	176			
	07/14/03	190			<u> </u>
	10/17/03	200			
	01/21/04	182			
	04/21/04	184		*	
	07/21/04	185			
			<del>                                     </del>		<del>1</del>
	10/26/04	188	,		
	10/26/04 01/26/05	188			

MW-16 cont.	07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 01/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	(mg/L)  189  178  174  179  141  175  156  168  175  173  160  168  142  151  131		(µg/L)	(µg/L)
	01/25/06 04/26/06 07/26/06 10/25/06 01/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	174 179 141 175 156 156 168 175 173 160 168 142 151			
	04/26/06 07/26/06 10/25/06 01/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	179 141 175 156 156 168 175 173 160 168 142 151 131			
	07/26/06 10/25/06 01/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	141 175 156 156 168 175 173 160 168 142 151 131			
	10/25/06 01/25/07 04/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	175 156 156 168 175 173 160 168 142 151			
	01/25/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	156 156 168 175 173 160 168 142 151			
	04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 · 01/26/10	156 168 175 173 160 168 142 151			
	07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	168 175 173 160 168 142 151			
	10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09	175 173 160 168 142 151			
	01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 · 01/26/10	173 160 168 142 151 131			
	04/23/08 07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	160 168 142 151 131			
	07/23/08 10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	168 142 151 131			
	10/21/08 01/20/09 04/21/09 07/28/09 10/27/09 · 01/26/10	142 151 131			I .
	01/20/09 04/21/09 07/28/09 10/27/09 · 01/26/10	151 131			<b>_</b>
	04/21/09 07/28/09 10/27/09 · 01/26/10	131			<b>_</b>
	07/28/09 10/27/09 01/26/10		+ +		
	10/27/09 · 01/26/10	140			-
	· 01/26/10		-		-
		175	<del> </del>		ļ
		148	1		
-		150	+		<del> </del>
<b>-</b>	07/27/10	140	<del> </del>		+
2000	10/26/10	134 145	+ +		
	01/25/11		<del> </del>		+
MW-17	06/02/00	140			<del>                                     </del>
⊢	08/02/00	110	+ +		<del> </del>
<u> </u>	11/15/00	130	<u> </u>		
<del> </del>	03/06/01	130			<del> </del>
<u> </u>	06/25/01	140			<del> </del>
<u> </u>	09/26/01	130 147	1		<del></del>
<u> </u>	12/12/01 05/21/02	132	575	1.040	202
		149	313	1,040	202
<u> -</u>	10/15/02 01/22/03	76.7	<del> </del>		<del>                                     </del>
·	04/24/03	84.3			-
. <b>-</b>	07/14/03	143	<del> </del>		
-	01/26/05	146	<del>                                     </del>		<del> </del>
<u> </u>	04/20/05	126			+
-	07/19/05	127			<del> </del>
<u> </u>	10/19/05	123	1		
<del></del>	01/25/06	145	<del>                                     </del>		
· .	04/26/06	142			
	07/26/06	134			<del>                                     </del>
	10/25/06	127	†	·	
	01/25/07	138			-
	04/25/07	189			<b></b>
F	07/24/07	266			
F	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			ļ
L	09/26/01	190			ļ
L	12/12/01	182			ļ
L	05/21/02	184	1,070	2,930	374
L	10/16/02	102			<u> </u>
L	01/23/03	218	<u> </u>		ļ
L	04/25/03	195	ļ		<u> </u>
L	07/14/03	193			<u> </u>
L	10/20/03	207	ļ <u> </u>		ļ
L	01/21/04	193			
L	04/21/04	195	ļļ.		ļ
L	07/22/04	205	<b>.</b>		ļ
1	10/28/04	205	<b> </b>		<u> </u>
ļ	01/26/05	206	, '		1

Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganese (μg/L)
MW-18	07/21/05	206			
cont.	10/20/05	176			
	01/26/06	198	† · · · · · · · · · · · · · · · · · · ·		T
	04/27/06	199	1		1
	07/27/06	184	1		
	10/26/06	191			
	01/26/07	191			· · · · · · · · · · · · · · · · · · ·
	04/26/07	203	· ·		<del></del>
	07/25/07	196	<del>                                     </del>		<del> </del>
	10/25/07	· 219			
	01/30/08	205			<u> </u>
	04/24/08	201	<del>                                     </del>		<del> </del> -
	07/24/08	208			<del>                                     </del>
	10/22/08	148	<del> </del>		<del>                                     </del>
	01/21/09	197	<del>                                     </del>		<del>                                     </del>
	04/22/09	220	<del>                                     </del>		<del> </del>
	07/29/09	218	<del>                                     </del>		<del> </del>
	10/28/09	261			
		195	<del> </del>	-	<del> </del>
·	01/27/10 04/28/10		+		<del> </del>
		170	<del>                                     </del>		<del> </del>
	07/28/10	201	<del> </del>		<del>-</del>
	10/27/10	184	<del> </del>		<del> </del>
	01/26/11	200			+
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			1
	01/26/05	187			
	04/20/05	156			
	07/21/05	177			
	10/20/05	161			
	01/26/05	137	1		1
	04/28/10	157			1
	07/28/10	186			
	10/27/10	172			
	01/26/11	174			
	04/26/06	123			1
	07/27/06	99.8			1
	10/26/06	116.0			
	01/25/07	93.7			
	01/25/07 04/25/07	93.7 92.6			
	04/25/07	92.6			
	04/25/07 07/25/07	92.6 97.7			
	04/25/07 07/25/07 10/24/07	92.6 97.7 110			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08	92.6 97.7 110 101			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08	92.6 97.7 110 101 96.1			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08	92.6 97.7 110 101 96.1 96.5 101			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09	92.6 97.7 110 101 96.1 96.5 101			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09	92.6 97.7 110 101 96.1 96.5 101 111			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09	92.6 97.7 110 101 96.1 96.5 101 111 125 146			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09 07/29/09 10/28/09	92.6 97.7 110 101 96.1 96.5 101 111 125 146 202			
	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09 07/29/09 10/28/09 01/27/10	92.6 97.7 110 101 96.1 96.5 101 111 125 146 202 176			
MW-20	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09 07/29/09 10/28/09 01/27/10 06/02/00	92.6 97.7 110 101 96.1 96.5 101 111 125 146 202 176 83			
MW-20	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09 07/29/09 10/28/09 01/27/10 06/02/00 08/02/00	92.6 97.7 110 101 96.1 96.5 101 111 125 146 202 176 83 66			
MW-20	04/25/07 07/25/07 10/24/07 01/30/08 04/23/08 07/24/08 10/22/08 01/21/09 04/22/09 07/29/09 10/28/09 01/27/10 06/02/00	92.6 97.7 110 101 96.1 96.5 101 111 125 146 202 176 83			

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-20	09/26/01	210			
cont.	12/12/01	69			
	05/21/02	72	638	1,840	26
	10/15/02	85		, , ,	
	01/22/03	83.6			<b></b>
	04/24/03	77.0			<del> </del>
•	07/14/03	85.8	1	<del></del>	
	10/17/03	76.8			1
					<del> </del>
	01/21/04	74.6	ļ		
	04/21/04	69.3			
	07/21/04	69.4			ļ
	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			1
	01/25/06	72.9			
	04/26/06	70.0			
	07/26/06	68.0			
	10/25/06	92.6	1		Ĭ
	02/26/07	70.5			<del> </del>
	04/25/07	67.8			<b>†</b>
	07/24/07	44.5			1
!	10/24/07	142			<del> </del>
	01/30/08	85	-		<del> </del>
					<b></b>
, !	04/23/08	93.5			ļ
	07/23/08	98.1			<u> </u>
	10/21/08	103			<u> </u>
1	01/20/09	109			
ļ	04/21/09	118			<u> </u>
	07/28/09	159			
	10/27/09	194			
	01/26/10	156			
	04/27/10	161			
	07/27/10	150			
	10/26/10	130			
	01/25/11	125			
MW-21	06/13/02	832	1		
.,,,,,	10/15/02	857			
	01/22/03	806		<del></del>	<del> </del>
			<b></b>		
		414	1 1		
	04/24/03	414 853			
	07/14/03	853			
	07/14/03 10/17/03	853 886			
	07/14/03 10/17/03 01/21/04	853 886 782			
	07/14/03 10/17/03 01/21/04 04/21/04	853 886 782 684			
	07/14/03 10/17/03 01/21/04	853 886 782			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04	853 886 782 684 613			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04	853 886 782 684 613 907			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05	853 886 782 684 613 907 659			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05	853 886 782 684 613 907 659 555			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05	853 886 782 684 613 907 659 555 527			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05	853 886 ·			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06	853 886 782 684 613 907 659 555 527 483 509 552 466			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06	853 886 782 684 613 907 659 555 527 483 509 552 466 499			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 04/25/07 07/24/07	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 01/30/08	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 01/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 10/30/08 04/23/08 04/23/08 01/21/08 01/20/09	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855 1,060			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 07/26/06 07/26/06 07/26/06 02/26/07 04/25/07 07/24/07 10/24/07 10/24/07 01/30/08 04/23/08 07/23/08 10/21/08 01/20/09 04/21/09	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 835 1,060 1,090			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 07/26/06 07/26/06 10/25/06 07/26/07 04/25/07 04/25/07 01/30/08 04/23/08 07/23/08 10/21/08 01/21/09 04/21/09 07/28/09	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855 1,060 1,090 1,040			
	07/14/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 07/26/06 10/25/06 02/26/07 04/25/07 04/25/07 01/30/08 04/23/08 01/23/08 01/23/08 01/21/08 01/21/09 04/21/09 04/21/09	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855 1,060 1,090 1,040 1,390			
	07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 01/26/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 01/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855 1,060 1,090 1,040 1,390 1,090			
	07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/04 10/26/05 04/20/05 07/19/05 10/19/05 01/25/06 04/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 10/24/07 01/30/08 04/23/08 01/20/09 04/21/09 01/26/10 01/26/10	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855 1,060 1,090 1,390 1,320			
	07/14/03 10/17/03 10/17/03 01/21/04 04/21/04 07/21/04 10/26/05 01/26/05 07/19/05 10/19/05 01/25/06 04/26/06 07/26/06 10/25/06 02/26/07 04/25/07 07/24/07 10/24/07 01/30/08 04/23/08 07/23/08 01/21/08 01/20/09 04/21/09 07/28/09 10/27/09 01/26/10	853 886 782 684 613 907 659 555 527 483 509 552 466 499 300 572 1,010 825 1,110 984 694 855 1,060 1,090 1,040 1,390 1,090			

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganes (μg/L)
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			
	()4/21/04	75.3			
	07/22/04	78.3			
	10/27/04	77.5			
	01/26/05	88.3			
	04/20/05	81.1	<u> </u>		
	07/21/05	79.3			
	10/20/05	77.5			
	01/25/06	101			
	04/26/06	74.3	ļ	<u> </u>	<u> </u>
	07/26/06	81.5			ļ ·
	10/25/06	101.0	<del></del>		
	01/25/07	80.3	<del>                                     </del>		+
	04/26/07	79.8	<del> </del>		<del>                                     </del>
	07/25/07	83.4	<del>  </del>		- <del> </del>
•	10/24/07	75.3	<del> </del>		<del> </del>
	01/30/08	85.4	<del>                                     </del>		<del> </del>
	04/23/08	84.6			<del> </del>
	07/24/08	82.1	·		·
	10/22/08 01/21/09	76.2	<del>                                     </del>		<del> </del>
	04/22/09		<del> </del>	~	<del> </del>
	07/29/09	79.4 75.3	+		<del> </del>
	10/28/09	97.1	<del> </del>		<del> </del>
	01/27/10	78.7	+ - +		<del> </del>
	04/28/10	90.9	+		<del> </del>
	07/28/10	86.2	+	·	<del> </del>
	10/27/10	83.3	<del> </del>		<del>†</del>
	01/26/11	87.6	<del> </del>		+
MW-23	06/13/02	63			
WI W -23	10/15/02	36.2	<u> </u>		
	01/22/03	58.5	<del>                                     </del>		+
	04/24/03	130			+
	07/14/03	64.6	<del>                                     </del>	<del>-</del>	
	10/17/03	59.2	<del>}</del>		<del></del>
	01/21/04	61.3	1		
	04/21/04	54.8			
	07/22/04	59.0		······································	
	10/27/04	55.5	t		1
	01/26/05	64.8	<del>                                     </del>		1
	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	J		
	01/25/07	63.6			
	04/25/07	66.8	<u> </u>		
	07/25/07	63.7	ļ		<del>                                     </del>
	10/24/07	61.6	<u> </u>		<b>_</b>
	01/30/08	67.9	<b></b>		· · ·
	04/23/08	65.7	<b></b>		
	07/24/08	59.5	<del>                                     </del>		<del> </del>
	10/22/08	52.2			ļ
	01/21/09	55	<del>                                     </del>		
	04/22/09	59.4	<del> </del>		ļ <u></u>
	07/29/09	55.7			<del> </del>
	10/28/09	71.6	1		<del> </del>
	01/27/10	55.3			L
	04/28/10	68.6	ļl		ļ
	04/28/10 07/28/10 10/27/10	68.6 56.6 58.8			

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganese (μg/L)
MW-24	07/22/04	165			
	10/27/04	151			
	01/26/05	182			
	04/20/05	166	1		<del>-</del>
	07/20/05 10/19/05	169 177	<del>                                     </del>		
	10/19/05 D	176			+
	01/25/06	191	1		
	01/25/06 D	187			1
	04/26/06	172			
	04/26/06 D	134			
	07/26/06	176			
	07/26/06 D	177			
	10/25/06	209			<u> </u>
	10/25/06 D 01/25/07	208	+		1
	01/25/07 D	217			+
	04/25/07	192			<del>                                     </del>
	04/25/07 D	181	1		
	07/24/07	174			
	07/24/07 D	192			
	10/24/07	190			
	01/30/08	185	<del>                                     </del>		
	04/23/08	182			<u> </u>
	4/23/08 D 07/24/08	185 217	<del>                                     </del>		<del> </del>
	07/24/08 D	216			
	10/21/08	189	+		<del>†                                     </del>
	10/21/08 D	200			+
	01/21/09	269	1		†
	01/21/09 D	294			
	04/21/09	278			
	04/21/09 D	323			
	07/28/09	275	ļ		<u> </u>
	07/28/09 D	287			
	10/28/09 10/28/09 D	400	+		<del></del>
	01/26/10	285	<del>                                     </del>		+
	01/26/10 D	287			
	04/27/10	232			
	04/27/10 D	253			
	07/27/10	257			
	07/27/10 D	255			<u> </u>
	10/26/10	221	ļ		
	10/26/10 D	214	<del> </del>		
	01/25/11 01/25/11 D	218			
MW-25	07/22/04	116	<del> </del>		<u> </u>
115 TT -43	10/27/04	129			1
	01/26/05	143	<u>                                       </u>		<u> </u>
	04/20/05	123			
	07/19/05	152			
	10/19/05	453			<b>_</b>
	01/25/06	480	1		ļ
	04/26/06	461 388	<del> </del>		+
	10/25/06	241	<del>                                     </del>	<del> </del>	
	01/25/07	119	<del>                                     </del>		
	04/25/07	192	1		
	07/24/07	177			
	10/24/07	376			
	01/30/08	461			
	04/23/08	269	ĮT		
	07/24/08	256	· · · · · · · · · · · · · · · · · · ·		1
	10/21/08	149	<del> </del>		1
	01/20/09	138 159	<u> </u>		<del> </del>
	07/28/09	151	<del>                                     </del>		
			+		+
	10/27/09	203	, ,		. 1

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganes (µg/L)
MW-25	04/27/10	177			
cont.	07/27/10	126	T		†
	10/26/10	118			·
	01/25/11	132			T -
MW-26	04/20/05	82.5			
	07/20/05	77.2			·
	10/19/05	77.8	<del>                                     </del>		<u> </u>
	01/25/06	78.3		· · · · · · · · · · · · · · · · · · ·	†
	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	<u> </u>		
	07/24/08	92.6	<del>                                     </del>	·	<del> </del>
	10/22/08	83.1			<b>.</b>
	01/21/09	99.8	-		<u> </u>
	04/22/09	95.3	<del> </del>		<del>                                     </del>
	07/29/09	114	<u> </u>		<del></del>
	. 10/28/09	147	+		<del> </del>
	01/26/10 04/27/10	128 123	<del>                                     </del>		<del> </del>
	07/28/10	136	<del> </del>		<del> </del>
	10/27/10	131	<del>  </del>		
	01/26/11	146	<del>                                      </del>		<del></del>
MW-27		129			<del> </del>
IVI VV-27	04/20/05	132	<del> </del>		<del> </del>
	04/20/05 D 07/20/05	132	<del>}</del>		<del> </del>
	07/20/05 D	129	<del> </del>	<del> </del>	<del></del>
	10/19/05	132	-		
	01/25/06	136			<del>                                     </del>
	01/25/06 D	138	<del> </del>		<del> </del>
	04/26/06	112	† <u>-</u>		<del> </del>
	07/26/06	115	<u> </u>		<del>                                     </del>
	10/25/06	151			
	01/25/07	119			
	04/25/07	117	†		1
	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			<u> </u>
	07/29/09	111			<u> </u>
	10/28/09	160	<b>↓</b>		·
	01/27/10	119	<del>                                     </del>		<del> </del>
	04/28/10	116			<u> </u>
	07/28/10	130	+		<del>                                     </del>
	10/27/10	124	<del> </del>		<del>                                     </del>
	01/26/11	127	<del>                                     </del>		-
SVE-10	01/23/03	282			<del> </del>
•	04/25/03	241	<u> </u>		
	07/14/03	270	<del>                                     </del>		<del> </del>
	10/20/03	255 265	<del>  -</del>		
	01/22/04	265	<del> </del>		<del> </del>
	04/22/04 07/23/04	250	<del> </del>		-
	10/28/04	243	<u> </u>		<del>                                     </del>
	01/27/05	251	<del> </del>		<del> </del>
	04/20/05	204	<del>†                                    </del>		<del>                                     </del>
	07/21/05	236	1	·····	
	10/20/05	183	<del>                                     </del>		
	01/26/06	243			
	04/27/06	234			
	1 04/2//00 L	-5-			1

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (μg/L)
SVE-10	10/26/06	244			
cont.	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			
	04/28/10	221			
	07/28/10	244			
	10/27/10	224			
	01/26/11	240			
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

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

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

					Average			
		Effluent		"SnapShot"	Discharge	Incremental	Cumulative	Incremental
Date	<b>Total Time</b>	Concentration	Flow Rate	Discharge	for Period	Discharge	Discharge	Time
	(days)	(ppm)	(SCFM)	(lbs/day)	(	. (lbs)	(lbs)	(Days)
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
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	875 875	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 4
04/12/05	908	27.9 18.2	875 975	7.11 4.64	6.93 5.88	27.73 199.78	37906.80	4 34
05/16/05 05/23/05	942	18.2 19.5	875 875	4.64	5.86 4.81	33.64	38106.58 38140.22	3 <del>4</del> 7
06/01/05	949 958	17.1	875 875	4.97 4.36	4.66	41.98	38182.20	9
06/01/05	956 967	17.1 17.5	875 875	4.46	4.41	39.69	38221.89	9
06/17/05	907 974	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	0.82	0.82	38680.48	35
09/14/06	1148 ·	346	875	88.20	44.92	11.23	38691.71	247
09/21/06	1155	203	875	51.75	69.97	489.82	39181.53	7
09/25/06	1159	145	875	36.96	44.36	177.42	39358.96	4
10/02/06	1166	121	875	30.84	33.90	237.33	39596.28	7
10/10/06	1174	. 115	875	29.32	30.08	240.64	39836.92	8
10/16/06	1180	110	875	28.04	28.68	172.07	40008.99	6
10/30/06	1184	155	. 875	39.51	33.78	472.87	40481.86	14
11/06/06	1191	116	875	29.57	34.54	241.79	40723.65	7
11/21/06	1206	160	·875	40.79	35.18	527.68	41251.32	15
11/28/06	1213	70.2	.875	17.90	29.34	205.39	41456.71	7
12/05/06	1220	62.5	875	15.93	16.91	118.40	41575.10	7
12/11/06	1226	46.2	875	11.78	13.85	83.13	41658.23	6
12/18/06	1233	40.6	875	10.35	11.06	77.44	41735.67	7
01/02/07	1234	49.1	875	12.52	11.43	171.49	41907.17	15
01/08/07	1240	42.1	875	10.73	11.62	69.74	41976.91	6
01/16/07	1248	42.1	875	10.73	10.73	85.86	42062.77	8
02/05/07	1259	31.9	875	8.13	9.43	188.64	42251.41	20

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

					Average			
Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
02/26/07	1280	27.2	875	6.93	7.53	158.19	42409.59	21
03/05/07	1287	29.0	875	7.39	7.53 7.16	50.19	42409.59 42459.74	7
03/03/07	1295	2 <del>9</del> .0 27.4	875	6.98	7.16 7.19	50.14 57.51	42459.74	8
03/13/07	1296	26.4	875	6.73	6.86	6.86	42517.25	1
03/14/07	1308	26.4 34.9					42524.10	
03/26/07			875 075	8.90	7.81	93.76	42617.86 42672.55	12
05/29/07	1315	26.4	875 875	6.73	7.81	54.69		7
11	1356	32.8	875	8.36	7.55	430.09	43102.65	57
06/04/07	1362	22.3	875	5.68	7.02	42.14	43144.78	6
06/11/07	1369	36.3	875	9.25	7.47	52.28	43197.07	7
06/18/07	1376	31.5	875	8.03	8.64	60.49	43257.56	7
06/26/07	1384	37.9	875	9.66	8.85	70.76	43328.32	8
08/07/07	1429	66.3	875	16.90	13.28	557.81	43886.13	42
08/27/07	1449	67.4	875	17.18	17.04	340.82	44226.95	20
09/04/07	1457	74.8	875	19.07	18.12	145.00	44371.95	8
09/10/07	1463	81.4	875	20.75	19.91	119.45	44491.40	6
10/02/07	1485	61.2	875	15.60	18.18	399.86	44891.26	22
10/31/07	1500	75.9	875	19.35	17.47	506.76	45398.02	29
11/12/07	1512	66.9	875	17.05	18.20	218.41	45616.43	12
11/19/07	1519	58.6	875	14.94	16.00	111.97	45728.40	7
12/05/07	1535	32.5	875	8.28	11.61	185.78	45914.19	16
12/10/07	1540	33.7	875	8.59	8.44	42.19	45956.38	5
12/20/07	1550	24.0	875	6.12	7.35	73.54	46029.92	10
01/07/08	1568	20.0	875	5.10	5.61	100.95	46130.87	18
02/12/08	1604	23.5	875	5.99	5.54	199.60	46330.46	36
03/11/08	1632	20.5	875	5.23	5.61	157.03	46487.49	28
03/17/08	1638	21.2	875	5.40	5.31	31.89	46519.38	6
03/24/08	1645	23.3	875	5.94	5.67	39.70	46559.09	7
03/31/08	1652	24.0	875	6.12	6.03	42.20	46601.29	7
05/20/08	1702	25.1	875	6.40	6.26	312.91	46914.20	50
06/02/08	1715	26.6	875	6.78	6.59	85.66	46999.86	13
06/16/08	1729	34.4	875	8.77	7.77	108.85	47108.71	14
06/30/08	1743	66.0	875	16.82	12.80	179.15	47287.86	14
07/14/08	1757	0.0	0	0.00	0.00	0.00	47287.86	14
08/18/08	1792	96.8	875	24.68	12.34	0.09	47287.95	35
08/20/08	1794	104.0	875	26.51	25.59	0.18	47288.13	2
09/09/08	1814	79.6	875	15.10	17.42	348.39	47636.52	20
09/15/08	1820	85.3	875	14.45	13.97	83.81	47720.32	6
09/22/08	1827	82.2	875	13.94	14.21	99.45	47819.78	7
09/29/08	1834	92.3	875	15.64	14.79	103.52	47923.29	7
10/07/08	1842	100.0	875	11.23	10.80	86.40	48009.69	8
10/14/08	1849	0.0	0	0.00	0.00	0.00	48009.69	7
10/20/08	1855	0.0	0	0.00	0.00	0.00	48009.69	6
10/28/08	1863	112.0	875	13.92	6.96	55.67	48065.36	8
11/10/08	1876	0.0	. 0	0.00	0.00	0.00	48065.36	13
11/24/08	1890	94.8	875	16.03	8.02	.112.22	48177.58	14
12/01/08	1897	94.6	875	15.92	15.94	111.55	48289.13	7
12/01/08	1904	87.8	875	14.87	15.44	108.10	48397.24	7
12/24/08	1904	75.8	875	12.90	13.44	222.68	48619.92	16
12/29/08	1920	75.6 77.0				64.03		
01/06/09			875	12.91	12.81		48683.95	5
11	1933	0.0	0	0.00	0.00	0.00	48683.95	8
01/14/09	1941	90.5	875	15.33	7.67	61.33	48745.27	8
01/19/09	1946	0.0	0	0.00	0.00	0.00	48745.27	5
01/26/09	1953	0.0	0	0.00	0.00	0.00	48745.27	7
02/26/09.	1984	96.6	875	13.31	6.65	252.87	48998.14	38
03/02/09	1988	91.9	875	15.54	15.94	63.77	49061.91	4
03/09/09	1995	82.6	875	13.85	14.63	102.40	49164.31	7

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)
03/16/09	2002	86.3	875	14.40	14.10	98.67	49262.98	7
03/24/09	2010	89.0	875	15.04	14.81	118.51	49381.49	8
03/30/09	2016	90.6	875	15.22	15.09	90.52	49472.01	6
03/30/09	2023	93.4	875	15.83	15.59	109.15	49581.16	7
04/06/09	2023	92.8	875	15.61	15.66	125.29	49706.45	8
04/14/09	2045	92.8 82.9	875	11.98	12.69	177.66	49884.11	14
04/28/09	2043	83.0	875	14.11	14.10	183.26	50067.37	13
05/11/09	2073	96.0	875	16.17	15.07	226.06	50293.43	15
06/01/09	2073	81.3	875	13.96	15.07	91.33	50384.76	6
06/01/09	2079	80.7	875	13.41	13.46	107.71	50492.48	8
06/09/09	2097	123.0	875	20.92	17.33	107.71	50596.44	6
11	2093	104.0	875	20.92 17.60	17.33	268.96	50865.39	14
06/29/09 07/06/09		112.0	875	18.61	17.94	125.61	50991.00	7
	2114	132.0	875		20.75	165.99	51157.00	8
07/14/09	2122			22.45	20.75 19.80		51275.81	6
07/20/09	2128	105.0	875 875	17.55		118.82		7
07/27/09	2135	103.0	875 975	10.35 13.47	10.45	73.18	51349.00 51432.38	7 7
08/03/09	2142	134.0	875 875		11.91	83.39		
08/12/09	2151	120.0	875	20.24	21.42	192.76	51625.14	9
08/24/09	2163	120.0	875	20.28	20.28	243.32 147.12	51868.46	12
08/31/09	2170	128.0	875 075	21.69	21.02		52015.58	7
09/08/09	2178	114.0	875	19.45	20.64	165.15	52180.72	8
09/16/09	2186	127.0	875	21.16	20.08	160.63	52341.35	8
09/28/09	2198	120.0	875	20.28	20.87	250.41	52591.76	12
10/05/09	2205	102.0	875	0.00	0.00	0.00	52591.76	7
10/12/09	2212	165.0	875	45.14	36.52	255.66	52847.42	7
10/26/09	2226	158.0	875	27.17	27.78	388.87	53236.30	14
11/03/09	2234	155.0	875	19.36	19.55	156.42	53392.72	8
11/10/09	2241	125.0	875	5.94	6.65	46.54	53439.26	7
11/23/09	2254	124.0	875	29.07	29.18	379.39	53818.65	13
11/30/09	2261	117.0	875	19.88	20.48	143.35	53962.00	7
12/07/09	2268	94.3	875	15.90	17.81	124.67	54086.67	7
01/04/10	2296	107.0	875	18.03	16.96	474.98	54561.65	28
01/11/10	2303	108.0	875	18.27	18.19	127.31	54688.96	7
02/01/10	2324	93.5	875	14.24	15.35	322.32	55011.28	21
02/08/10	2331	98.7	875	16.67	16.23	113.61	55124.89	7
02/22/10	2345	92.2	875	15.62	16.17	226.39	55351.27	14
03/01/10	2352	95.9	875	16.20	15.88	111.18	55462.46	7
03/08/10	2359	91.6	875 875	15.46	15.82	110.73	55573.18	7
03/22/10	2373	80.8	875 975	13.68	14.59	204.26	55777.45	14
03/29/10	2380	77.0	875	10.57	10.83	75.84	55853.29	7
04/05/10	2387	67.4	875	13.40	14.35	100.46	55953.75 56046.44	7
04/13/10	2395	69.7	875 975	11.78	11.59	92.69	56046.44	8
04/19/10	2401	79.3	875 975	13.53	12.71	76.28	56122.72	6
05/20/10	2432	79.6	875 876	9.34	9.32	289.03	56411.75	31
05/27/10	2439	74.0	875 975	12.35	12.82	89.73	56501.48	7
06/01/10	2444	79.6	. 875	13.32	12.86	64.28	56565.76	5 6
06/07/10	2450	79.9	875 975	13.59	13.57	81.40	56647.16	
06/15/10	2458	97.0 151.0	875 875	0.63	0.58	4.60	56651.76	8
06/28/10	2471	151.0	875 075	25.53	20.96	272.50	56924.26	13
07/19/10	2492	138.0	875	20.39	21.35	448.32	57372.58	21
07/26/10	2499	155.0	875	26.32	24.87	174.12	57546.70	7
08/30/10	2534	127.0	875	20.20	22.43	785.06	58331.76	35
09/07/10	2542	132.0	875	22.29	21.87	174.96	58506.72	8
09/13/10	2548	120.0	875	20.46	21.48	128.88	58635.60	6
09/20/10	2555	122.0	875	20.40	20.23	141.63	58777.23	. 7
09/27/10	2562	124.0	875	21.07	20.90	146.32	58923.55	7

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

		Effluent		"SnapShot"	Average Discharge	Incremental	Cumulative	Incremental
Date	Total Time	Concentration	Flow Rate	Discharge	for Period	Discharge	Discharge	Time
	(days)	(ppm)	(SCFM)	(lbs/day)	(lbs/day)	(lbs)	(lbs)	(Days)
10/04/10	2569	137.0	875	22.89	21.80	. 152.61	59076.16	7
10/12/10	2577	136.0	875	23.08	23.16	185.29	59261.45	8
10/19/10	2584	134.0	875	22.61	22.78	159.45	59420.90	7
10/25/10	2590	141.0	875	23.64	23.05	138.31	59559.20	6
11/01/10	2597	172.0	875	5.25	4.77	33.41	59592.62	7
11/09/10	2605	140:0	875	23.89	26.61	212.92	59805.53	8
11/22/10	2618	112.0	875	19.06	21.44	278.77	60084.30	13
12/06/10	2632	97.0	875	16.40	17.67	247.41	60331.71	14
12/13/10	2639	93.0	875	12.98	13.26	92.83	60424.54	7
01/04/11	2661	50.6	875	8.67	12.31	270.73	60695.27	22
01/10/11	2667	77.7	875	15.30	12.63	75.77	60771.04	6
01/17/11	2674	77.7	875	13.15	13.15	92.02	60863.06	7
01/24/11	2681	80.2	875	13.53	13.32	93.25	60956.31	7
01/31/11	2688	79.9	875	9.37	9.39	65.72	61022.03	7
02/07/11	2695	73.0	875	12.61	13.20	92.41	61114.44	7
Estimated av	g lbs/day remo	ved (2002-2003):	110.72	Total	ons VOCs rer	noved (Oct 200	2 - Oct 2003):	11.45
Estimated av	g lbs/day remo	ved (2003-2004):	45.75	Total to	ons VOCs rem	oved (Feb 200-	4 - Feb 2005):	4.62
Estimated av	g lbs/day remo	ved (2004-2005):	16.81	Total to	ons VOCs rem	oved (Feb 2009	5 - Dec 2005):	0.60
Estimated av	g lbs/day remo	ved (2006-2007):	31.61	Total to	ons VOCs rem	oved (Jan 200	6 - Feb 2007):	1.79
Estimated av	g lbs/day remo	ved (2007-2008):	11.27	Total to	ons VOCs rem	oved (Feb 200	7 - Mar 2008):	2.10
Estimated av	g lbs/day remo	ved (2008-2009):	7.22	Total to	ons VOCs rem	oved (Mar 200	3 - Feb 2009):	1.20
Estimated av	g lbs/day remo	ved (2009-2010):	17.62	Total to	ons VOCs rem	oved (Mar 200	9 - Feb 2010):	3.14
Estimated av	g lbs/day remo	ved (2010-2011):	17.05	Total to	ons VOCs rem	oved (Mar 201	0 - Feb 2011):	6.03
Estimate	ed total pounds	s VOCs removed:	61,114.44	Cur	nulative tons \	OCs removed	since startup:	30.56

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)\*1440 min/day)

Co = Average Effluent VOC concentration (ppm) from previous time period Where:

Q = flow rate of effluent air (scfm) 24.05 = gas law constant

Table 4

SVE Field Data
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico

Monitoring Point -	Monitoring Point -	nitoring Point -	,  ≥ 0	ا⊇ان	asur B	Measurements = inches of water at wellhead IW-8 MW-10 MW-11	MW-10	MW-11		wacuum (-); pressure (+)	œ (+) MW-14	MW-15	MW-18	
SVE-1 SVE-2 SVE-3	-{	SVE-3	-+	SVE-4	SVE-5	SVE-6	SVE-7	SVE-8	SVE-9	2	SVE-11	SVE-12	SVE-13	Comments
														Start Bioventing, Set Timers, Repair Leaks
-3.1 -9.9 -9.9	6.6-			-13.1	-13.0		-12.0	-2.6	-2.7	-9.9	-9.9	-0.3	-10.1	
														Shut System Down for Repairs
														Complete Repairs, Restart System
-10.5 -10.8 -10.8	-10.8		-1	-10.6	-10.5	_	-10.5	-4.3	-2.4	-10.5	-10.3	-0.8	-10.5	
-8.0 -10.2 -10.4 -10.5	-10.4		-10	5.0	-10.3		-10.5	-4.5	-3.0	-10.4	-10.0	-1.2	-10.5	
-10.5 -10.5 -10.8 -11.1	-10.8		-11.		-11.0		-11.0	-4.6	-2.5	-10.9	-10.4	-0.2	-10.9	
-10.2 -10.4 -10.5 -11.3	-10.5		-11.3		-11.3		-11.2	-4.8	-2.8	-10.8	-10.6	-0.1	-11.0	
-10.2 -10.2 -10.8	-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
-10.0 -10.0 -10.5	-10.0		-10.5		-10.4		-10.4	-5.0	-2.0	-10.1	-10.0	-1.2	-10.3	AC Down, Restart
-11.2 -11.3 -10.8	-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
-11.0 -11.0 -10.8	-11.0		-10.8	Н	-10.9		-10.7	-7.5	-3.1	-11.0	-10.5	-1.0	-10.7	
-10.8 -10.8 -10.6	-10.8		-10.6		-10.5		-10.7	-6.3	-3.0	-8.4	-10.6	-1.7	-10.4	
-10.7 -10.8 -10.8	-10.8		-10.8	-	-10.9		-10.8	-6.8	-3.0	-7.5	-10.6		-10.8	
-11.0 -11.0 -10.2	-11.0		-10.2		-10.2		-10.2	-4.1	-2.0	-6.5	-10.0		-10.0	
-9.4 -9.8 -10.1	-9.8		-10.1		-10.3		-10.1	-2.2	-1.3	-5.6	-7.5		-8.5	
-14.8 -15.0 -15.0	.15.0		-15.0	$\rightarrow$	-15.0		-15.0	-3.0	-2.9	-11.0	-10.0		-14.8	Belt Off SVE, Replace & Restart, Adj Bleed
-15.5 -16.0	-16.0	-	-15.3	_	-15.6		-15.3	-2.3	-3.3	-10.3	-14.6		-15.0	
-13.0 -13.0 -14.0 -13.2	-14.0		-13.2	寸	-13.3		-13.2	-1.7	-2.0	-8.5	-9.0		-13.0	•
-12.0 -11.3 -14.0 -14.0	-14.0	_	-14.0		-14.0		-13.8	-1.8	-2.8	-6.5	-10.1		-13.8	
-15.5 -14.0 -20.0 -21.0	-20.0	$\dashv$	-21.0	_	-21.3		-20.8	-1.7	-5.0	-12.0	-11.0		-20.0	
-21.0 -:14.4 -:21.0 -:21.2	-21.0		-21.2	$\dashv$	-22.0		-18.0	-2.3	-4.1	-20.5	-16.2		-20.5	
-20.4 -13.5 -20.7 -20.5	-20.7	$\dashv$	-20.5	$\dashv$	-21.3	-	-20.4	-2.1	-4.4	-20.3	-19.0		-20.2	
-20.0 -10.5 -21.7 -21.5	-21.7		-21.5		-21.9		-20.5	-1.4	-3.8	-20.0	-17.0		-20.5	
-21.0 -12.1 -21.3 -21.3	-21.3	-	-21.3		-21.8		-20.4	-1.6	-4.3	-17.6	-16.2		-12.7	
-20.3 -10.3 -21.1 -20.0	-21.1		-20.0		-21.5		-16.5	-0.7	-4.2	-20.4	-17.3		-8.5	
-18.0 -11.6 -23.8 -21.0	-23.8		-21.0		-22.4		-18.2	-0.8	-4.5	-22.0	-18.2		-10.3	
-13.7 -11.0 -22.5 -22.0	-22.5		-22.(	<u> </u>	-24.0		-23.1	-1.8	-3.7	-22.8	-18.8		-9.2	AC Down, Restart
-12.5 -10.3 -21.5 -22.1	-21.5	_	-22.		-24.3		-23.2	-1.9	2.4	-18.5	-21.3		-9.4	
-14.1 -12.6 -23.0 -23.2	-23.0		-23.2		-24.6		-22.4	-1.1	-2.2	-20.2	-17.4		-10.1	AC Down, Restart
-10.0 -9.9 -23.0 -23.0		$\dashv$	-23.0		-23.9		-22.5	-1.2	-4.0	-14.5	-17.8		-9.3	

SVE Field Data

ConocoPhillips - East Hobbs Junction Hobbs, New Mexico

AC Not Pressuring Up, Shut Down System Down, Restart AC Repairs, Restart SVE Down, Restart AC Down, Restart AC Down, Restart Foo Wet to Check AC Down, Restart AC Down, Restart AC Down, Restart AC Down, Restart Comments MW-18 **SVE-13** -19.0 -10.5 -14.6 -13.4 -14.6 -20.8 -10.4 -10.2 -21.5 -20.4 -11.0 φ. 8.0 -7.0 9.8 9.9 -7.8 -7.9 8.8 7.2 -7.1 5.9 ئ 8 -6.5 4.9 6.2 9.6 φ ---9.7 4.6 -6.1 SVE-12 MW-15 MW-14 **SVE-11** -20.5 -20.8 -19.2 -19.3 -18.5 -17.6 -17.9 -17.6 -18.3 -18.5 -18.8 -19.0 -19.6 -16.9 -18.8 <del>1</del>.5 -10.8 -14.6 -12.8 -14.4 -20.7 -19.7 -19.6 -18.9 -19.1 -17.9 -17.7 -17.8 -18.3 -14.7 -17.6 vacuum (-); pressure (+) **SVE-10** -18.6 -19.5 -18.2 -21.0 -18.8 -18.9 -20.4 -20.0 -20.2 -20.5 -19.7 -18.8 -18.8 -18.4 -18.7 -19.5 -19.5 -19.7 -20.4 -18.4 -17.2 -20.4 -19.7 -18.9 -17.7 . ب Ó. Ċ. Ġ. , 0,7 0.0 MW-12 SVE-9 -15.4 -18.4 -18.1 -18.3 -18.5 -18.0 -18.6 -18.7 -19.2 -20.0 -20.3 -20.4 -19.4 -13.7 -12.2 -12.0 -15.8 -13.3 -17.9 -18.3 -18.7 5.8 5.8 -4.9 -4.6 4.9 -3.7 -4.5 9.5 φ̈ <del>-</del>8.5 Measurements = inches of water at wellhead MW-11 SVE-8 ф С <del>0</del>.0 9. 9. ю. О <del>.</del>0.6 6.3 ю. О 0.2 ó. 4. ó. 4. Ġ 0.2 ė, 0.2 Ġ. -0.2 Ġ. Ġ. ٥. Ġ. 0.0 0.0 0.0 ٥. Ċ. ç ٥. Ġ. Ġ. ٠. Ċ. MW-10 -21.6 SVE-7 -22.2 -22.8 -21.3 -20.4 -19.8 -20.2 -20.1 -19.5 -18.9 -18.6 -18.4 -19.4 -18.4 -19.2 -19.0 -19.4 -19.5 -20.5 -20.4 -20.7 -20.3 -21.0 -15.6 -19.5 -20.8 -19.5 -21.3 -17.8 -19.0 -19.7 MW-9 SVE-6 MW-8 SVE-5 -20.5 -21.6 -24.0 -25.0 -20.0 -21.5 -21.6 -21.6 -20.0 -19.8 -18.9 -18.8 -19.4 -19.5 -20.8 -21.2 -22.0 -22.8 -22.8 -20.9 -20.1 -19.9 -19.2 -18.7 -19.2 -19.2 .-19.1 -21.2 -22.9 -24.7 -20.1 Monitoring Point MW-7 SVE-4 -17.8 -22.0 -21.3 -20.2 -20.0 -19.9 -20.2 -19.6 -19.0 -18.8 -19.3 -19.6 -20.3 -20.8 -20.9 -23.0 -25.0 -22.4 -22.2 -18.7 -18.7 -19.1 -21.5 -22.8 -21.6 -20.2 -16.4 -18.7 -20.7 -19.1 -20.1 9-MM SVE-3 -19.9 -20.5 -21.5 -21.8 -11.4 -11.4 -22.0 -20.4 -20.4 -19.6 20.3 -19.5 -18.9 -19.0 -19.0 -19.4 -20.0 -21.5 -22.3 -22.9 -20.5 -18.9 -19.7 -20.1 -20.7 -16.7 -16.1 <del>4</del>9 -18.7 -19.1 -22-1 MW-5 SVE-2 -19.9 -19.9 -18.5 -18.8 -16.6 -10.5 -14.6 -19.8 -19.5 -18.5 -18.3 -19.2 -19.4 -19.6 -19.8 -18.0 -12.6 -12.6 -12.0 -10.6 -10.2 -10.2 -19.7 -18.9 -19.2 -12.1 -11.8 -10.0 -7.8 9.6-6-9.8 SVE-1 -10.3 -19.6 -19.6 -19.9. -19.9 -20.1 -21.0 -21.2 -22.6 -18.9 -20.6 -19.0 -19.8 -10.2 MW-4 -18.4 -18.7 -18.7 -18.7 -20.7 -19.1 -6.0 6.9 -19.1 -10.1 -8.0 -7.5 <u>.</u>5 -7.2 5.9 -7.1 9.6 92.2 95.9 91.6 93.5 Oper (modd) 94.3 96.0 81.3 80.7 112 98.7 123 104 132 105 8 134 120 120 128 114 127 120 102 165 158 155 125 124 117 107 801 9:00 AM 9:30 AM 10:00 AM 9:15 AM 10:00 AM 8:40 AM 8:45 AM 10:30 AM 9:45 AM 12:35 PM 8:45 AM 8:30 AM 8:30 AM 9:00 AM 8:30 AM 8:30 AM 8:45 AM 9:20 AM 9:40 AM 9:00 AM 9:15 AM 9:01 AM 8:00 AM 9:00 AM 8:30 AM 8:30 AM 9:00 AM 8:45 AM 8:45 AM 9:00 AM 9:00 AM 9:40 AM 9:30 AM 03/01/10 60/60/90 02/08/10 03/08/10 10/05/09 11/10/09 01/04/10 01/11/10 01/18/10 09/16/09 10/12/09 10/26/09 11/03/09 02/01/10 02/22/10 06/01/09 06/12/09 06/23/09 60/90/20 07/14/09 07/20/09 07/27/09 60/60/80 08/12/09 08/24/09 08/31/09 60/80/60 09/28/09 11/23/09 11/30/09 12/07/09 12/22/09

Table 4

SVE Field Data

ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico

		Comments								٠																									AC/SVE Off, Restart	
	MW-18	SVE-13	-8.1	-8.8	7.7-	6.8	4.9	-5.4	-5.2	4.4	-6.5	-5.7	-6.1	-4.7	-6.1	-5.8	-3.4	-5.4	-6.0	-5.6	-4.4	-6.0	-5.2	-6.9	-5.8	-7.1	-7.4	-5.6	-7.4	-6.4	-6.7	-5.5	6.0	-5.4	AC/8	-5.1
	MW-15	SVE-12																													-					
ure (+)	MW-14	SVE-11	-19.9	-16.0	-19.3	-16.3	-15.4	-19.1	-14.8	-19.3	-15.4	-19.2	-20.0	-19.9	-19.4	-18.9	-19.0	-18.0	-17.7	-18.8	-19.1	-19.2	-19.1	-18.9	-19.0	-19.1	-19.4	-19.0	-18.4	-19.1	-18.7	-19.3	-19.3	-19.4		-15.3
vacuum (-); pressure (+)	SVE-10		-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
	MW-12	SVE-9	-15.1	-19.5	-21.0	-18.3	-19.2	-20.7	-17.9	-21.0	-17.0	-20.6	-20.9	-21.0	-21.0	-19.5	-19.8	-19.7	-19.2	-19.7		-19.7	-19.4	-19.8	-19.5	-20.1	-20.0	-20.3	-19.3	-20.1	-19.4	-20.2	-21.2	-20.9		-18.1
Measurements = inches of water at wellhead	MW-11	SVE-8	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
iches of wat	MW-10	SVE-7	-22.1	-21.0	-22.0	-20.2	-20.3	-22.3	-21.3	-21.6	-22.9	-21.7	-21.6	-21.0	-23.0	-20.2	-19.4	-20.1	-20.0	-20.6	-20.0	-20.1	-20.1	-19.9	-20.0	-20.9	-21.0	-20.3	-19.9	-20.2	-20.1	-21.0	-22.0	-21.4		-21.8
rements = ir	6-WW	SVE-6									•					:																		•		
١.	MW-8	SVE-5	-23.0	-24.6	-23.5	-23.1	-24.1	-23.9	-22.6	-20.6	-20.0	-20.3	-19.9	-18.9	-17.0	-20.6	-20.6	-20.4	-20.4	-20.5	-20.0	-20.0	-19.9	-20.0	-19.9	-20.8	-20.2	-20.1	-20.0	-20.3	-20.2	-21.0	-22.8	-22.9		-23.2
<b>Monitoring Point</b>	MW-7	SVE-4	-10.3	-12.4	-10.9	-7.1	-6.7	-9.1	-7.0	9.7-	-5.6	-8.1	-5.4	-7.8	-5.8	-13.3	-19.9	-20.6	-20.7	-20.6	-19.8	-20.2	-20.1	-20.5	-20.2	-20.4	-20.8	-20.5	-20.0	-20.3	-20.1	-21.2	-22.7	-22.0		-22.2
Monit	<u>MW-6</u>	SVE-3	-11.4	-9.4	-9.8	-10.0	-9.3	-8.7	-6.8	-7.8	-6.2	-6.4	-5.0	-5.4	-4.7	-4.5	9.9-	-6.7	-7.0	-5.0	-6.5	-5.5	-6.7	-7.1	-6.8	-9.2	-10.3	-13.3	-16.2	-17.4	-19.4	-16.8	-12.4	-17.0		-12.6
	MW-5	SVE-2	-7.8	-6.3	-7.4	-7.0	-7.2	-7.5	-7.3	-5.8	-6.7	-6.8	-7.8	-6.7	-5.7	-4.7	-4.2	-5.7	-6.6	-9.0	-20.0	-19.5	-19.7	-19.9	-20.0	-20.7	-20.4	-20.3	-19.6	-20.2	-19.7	-19.7	-14.8	-13.9		-11.4
	MW-4	SVE-1	-9.2	-9.5	-8.4	6.9-	-7.7	-9.4	-8.0	-8.4	-6.0	-6.5	-8.0	-10.9	-5.8	-6.3	-6.5	-5.6	-5.2	-4.5	-5.1	-5.9	-5.3	-5.7	-4.8	-6.0	-5.2	6.4-	-6.2	-6.7	-6.8	-5.0	-5.8	-6.2		-5.3
	8	(mdd)	80.8	1 77.0	67.4	1 69.7	M 79.3	5		7	A 79.6	1 74.0	1 79.6	1 79.9	0.76	151.0	138.0	155.0	ų	1	127.0	132.0	120.0	122.0	124.0	137.0	136.0	134.0	141.0	172.0	140.0	M 112.0	W 97.0	M 93.0	M 50.6	77.7 M
		Time	9:40 AM	9:40 AM	9:00 AM	9:00 AM	10:00 AM	12:15 PM	9:00 AM	11:00 AM	10:30 AM	9:20 AM	8:20 AM	9:00 AM	8:45 AM	8:45 AM	8:55 AM	9:55 AM	9:22 AM	9:00 AM	8:30 AM	9:00 AM	9:55 AM	9:10 AM	9:30 AM	8:40 AM	9:00 AM	9:30 AM	8:40 AM	8:55 AM	9:00 AM	10:29 AM	10:00 AM	11:00 AM	11:25 AM	10:23 AM
		Date	03/22/10	03/29/10	04/05/10	04/13/10	04/19/10	04/26/10	05/03/10	05/14/10	05/20/10	05/27/10	06/01/10	06/07/10	06/15/10	06/28/10	01/19/10	07/26/10	08/09/10	08/16/10	08/30/10	09/07/10	09/13/10	09/20/10	09/27/10	10/04/10	10/12/10	10/19/10	10/25/10	11/01/10	11/09/10	11/22/10	12/06/10	12/13/10	01/04/11	01/10/11

Table 4

SVE Field Data
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico

L					Monit	Monitoring Point		amonte - in	chae of water	Measurements - inches of water at wellboad	4	(+) ourseere :(-) curricer	(+) 02			
_					1110111				מונים מו אומני	ממוויים א	אמכממי	שכנים וש יו ו	(+)			
		Did Oid	MW-4	MW-5	9-MW	MW-7	MW-8	6-MM	MW-10	MW-11	MW-12	CVE.10	MW-14	MW-15	MW-18	
-	Time	(mdd)	SVE-1	SVE-2	SVE-3	SVE-4	SVE-5	SVE-6	SVE-7	SVE-8	SVE-9	345-10	SVE-11	SVE-12	SVE-13	Comments
01/17/11 10	10:00 AM	7.77	-5.6	-12.1	-17.3	-22.8	-22.6		-22.2	0.0	-15.6	0.0	-12.8		-3.3	
01/24/11 9:	9:10 AM	80.2	-5.8	-11.7	-13.5	-22.5	-22.5		-21.5	0.0	-14.9	0.0	-14.1		-4.4	
01/31/11 8:	8:30 AM	6.67	-7.8	-11.0	-15.3	-21.7	-22.6		-21.6	0.0	-3.8	0.0	-13.2		-5.5	
02/07/11 10	10:30 AM	73.0	-5.5	-12.7	-18.0	-23.0	-23.0		-20.9	0.0	-0.9	0.0	-13.5		-5.3	
02/14/11 11	11:00 AM		-7.7	-12.0	-17.0	-24.1	-23.9		-23.0	0.0	-0.2	0.0	-18.1		4.4	

Notes:
SVE = Soil Vapor Extraction
MW = Monitoring Well
PID = Photo-lonization Detector

AC = Air Compressor ppm ≈ parts per million Blank fields Indicate No Data

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

			Monito	ring Point	- DO Mea	surements =	: Milligrams	per Liter	
				T	- Tempera	ture Measu	rements = D	egrees Cels	ius
		<u>MW-4</u>	<u>MW-5</u>	MW-12	MW-14	<u>MW-16</u>	<u>MW-18</u>	MW-24	SVE-10
Date	Time	· SVE-1	SVE-2	SVE-9	SVE-11		SVE-13		
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

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

			Monito	ring Point			- Milligrams	<u>'</u>	
				T	<del></del>	ture Measui	rements = D	egrees Cels	ius
Date	Time	<u>MW-4</u> SVE-1	<u>MW-5</u> SVE-2	MW-12 SVE-9	MW-14 SVE-11	<u>MW-16</u>	MW-18 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
03/08/10	9:30 AM	3.80	3.82	0.17	1.33	0.46	0.16	0.12	1.94
		18.3	18.5	18.5	18.3	18.7	18.7	18.7	18.9
03/22/10	10:25 AM	4.20	3.93	0.39	1.73	0.67	0.31	0.21	4.26
		17.9	18.2	17.8	17.8	18.4	18.0	18.4	18.4
04/05/10	9:27 AM	3.96	3.75	0.29	1.40	0.40	0.25	0.27	4.39
		18.7	18.7	18.6	18.4	19.1	18.9	19.0	19.2
04/19/10	10:28 AM	3.91	4.04	0.22	1.73	0.47	0.21	0.18	4.77
		18.2	18.1	18.1	17.8	18.2	18.4	18.5	18.5
05/03/10	9:40 AM	5.71	4.59	0.50	0.76	0.69	0.22	0.19	4.18
		18.1	18.2	18.1	18.0	18.6	18.4	18.6	18.5
05/20/10	10:50 AM	3.60	3.89	0.34	1.81	0.44	0.33	<b>0.20</b>	4.73
		19.1 ·	-19.0	18.8	19.0	19.5	19.0	19.3	19.0
06/01/10	8:52 AM	4.06	3.42	0.33	2.00	0.54	0.25	0.20	4.77
		18.9	18.7	18.6	18.4	19.2	18.9	19.0	19.2
06/15/10	9:05 AM	5.60	4.96	0.85	1.35	0.42	0.25	0.17	4.74
		18.7	18.8	18.7	18.6	19.1	18.8	. 19.0	19.1
07/19/10	9:22 AM	3.34	2.64	0.26	2.06	0.23	0.19	0.11	4.04
		18.9	18.9	18.8	18.7	19.1	18.9	19.1	19.2
08/09/10	9:48 AM	3.41	0.87	0.21	2.05	0.22	0.18	0.13	2.22
		19.1	19.0	19.0	18.9	19.4	19.2	19.3	19.6
08/30/10	9:16 AM	3.66	0.17	0.17	1.06	0.12	0.20	0.11	1.93
		19.0	18.6	18.8	18.7	19.2	. 18.8	18.9	19.3
09/13/10	10:15 AM	3.74	0.20	0.17	0.70	0.16	0.14	0.09	1.36
		19.2	18.8	19.1	19.0	19.4	19.1	19.0	19.5
09/27/10	9:54 AM	3.55	0.20	0.14	0.86	0.33	0.15	0.08	0.92
		18.4	18.3	18.6	18.6	19.0	18.7	18.6	19.2
10/12/10	9:32 AM	3.62	0.21	0.13	1.30	0.35	0.13	0.10	0.58
	,	18.4	18.3	18.7	18.7	19.0	18.7	18.5	19.4
10/24/10	9:20 AM	3.61	0.31	0.16	0.85	3.00	0.19	0.10	0.84
		18.6	18.5	18.8	18.8	19.1	18.8	18.7	19.4

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

			Monito	ring Point	- DO Mea	surements =	Milligrams	per Liter	
					- Tempera	iture Measui	rements = De	egrees Celsi	ius
		<u>MW-4</u>	<u>MW-5</u>	MW-12	MW-14	MW-16	<u>MW-18</u>	MW-24	SVE-10
Date	Time	SVE-1	SVE-2	SVE-9	SVE-11	INI VV-10	SVE-13	10111-24	342-10
11/09/10	9:27 AM	3.94	0.18	0.17	1.20	0.42	0.17	0.09	1.14
		18.4	18.4	18.7	18.7	19.0	18.6	18.5	19.3
12/06/10	10:22 AM	4.05	0.30	0.27	1.30	0.47	0.26	0.11	0.60
		17.6	17.6	18.2	18.0	17.9	· 17.8	17.6	18.7
01/24/11	10:04 AM	4.10	3.63	0.32	0.28	0.16	0.24	0.13	0.75
		17.9	18.2	18.3	18.0	18.0	18.4	18.1	18.9
02/14/11	11:22 AM	4.56	3.70	0.20	0.50	0.08	0.17	0.05	1.30
		18.6	18.4	18.6	18.5	18.8	18.7	18.8	19.4

Notes:

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

APPENDIX A
Surveyor's Report
And
Hydrographs

SECTION 8, TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M. LEA COUNTY **NÉW MEXICO** 



						_,
MW-	24					
NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	ELEVATION TOP OF CASING	ELEVATION CONCRETE PAD	ELEVATION NATURAL GROUND
N:613497.3	E:900250.6	32°40′52.05″N	103°10'00.60"W	3608.89	3606.04	3605.77
MW-	25.					
NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	ELEVATION TOP OF CASING	ELEVATION CONCRETE PAD	ELEVATION NATURAL GROUND
N:613471.7	E:900149.9	32°40'51.81"N	103°10'01.78"W	3609.81	3607.29	3606.87
MW-	26					
NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	ELEVATION TOP OF CASING	ELEVATION CONCRETE PAD	ELEVATION NATURAL GROUND
N:613494.8	E:901047.7	32°40'51.94"N	103 09 51.27 W	3604.86	3602.11	3601.74
, MW-	27					
NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	ELEVATION TOP OF CASING	ELEVATION CONCRETE PAD	ELEVATION NATURAL GROUND
N:613413.9	E:900979.2	32°40'51.15"N	103'09'52.08 W	3604.99	3602.18	3601.84

**LEGEND** 

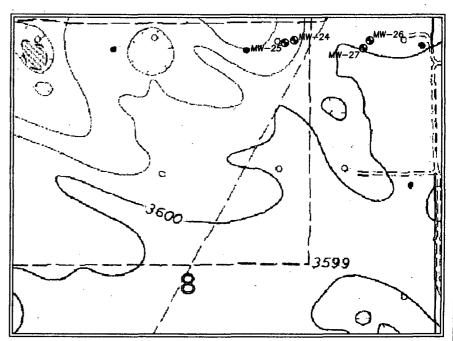
Denotes Monitor Well

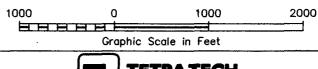
### NOTE:

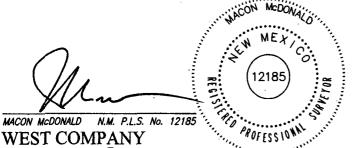
- 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1983.
- 2) Elevations reference the North American Vertical Datum of 1988.
- 3) Geodetic Coordinates shown hereon references the North American Datum of 1983, (Clarke Spheroid of 1866). Reference Stations "ODESSA RRP2" CORS (DF5393), "LUBBOCK RRP2" CORS (DF5391) and "PORTALESAP NM 2005" CORS (DF5391).

### SURVEYOR CERTIFICATION

I hereby certify that the monitoring well on this plat were plotted locations shown from field notes of an actual survey made by me or under my direct supervision and the same is true an correct to the best of my belief.







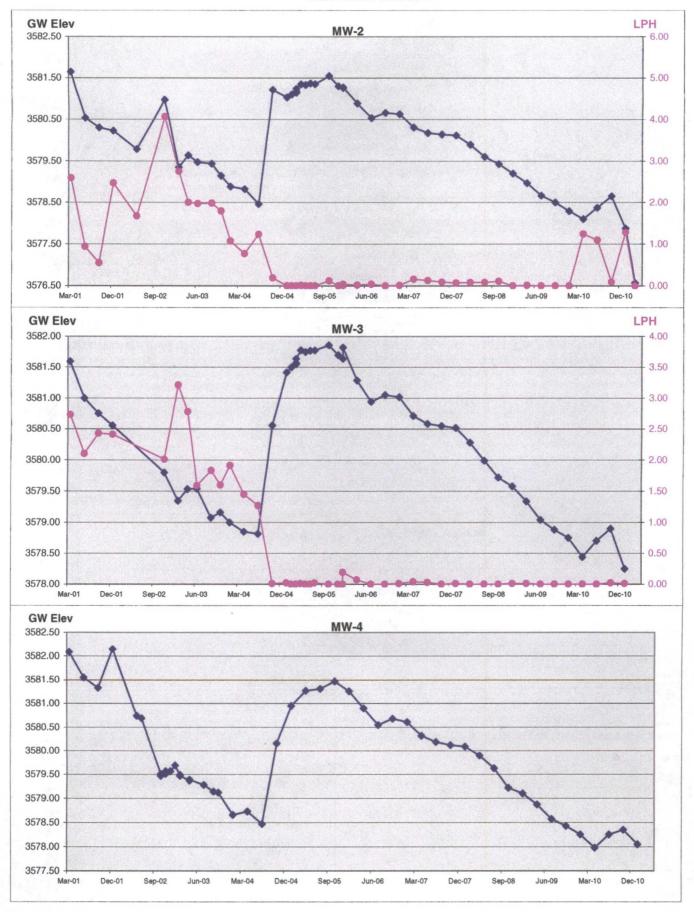
110 W. LOUISIANA, STE. 110 MIDLAND TEXAS, 79701 of MIDLAND, INC. (432) 687-0865 - (432) 687-0868 FAX

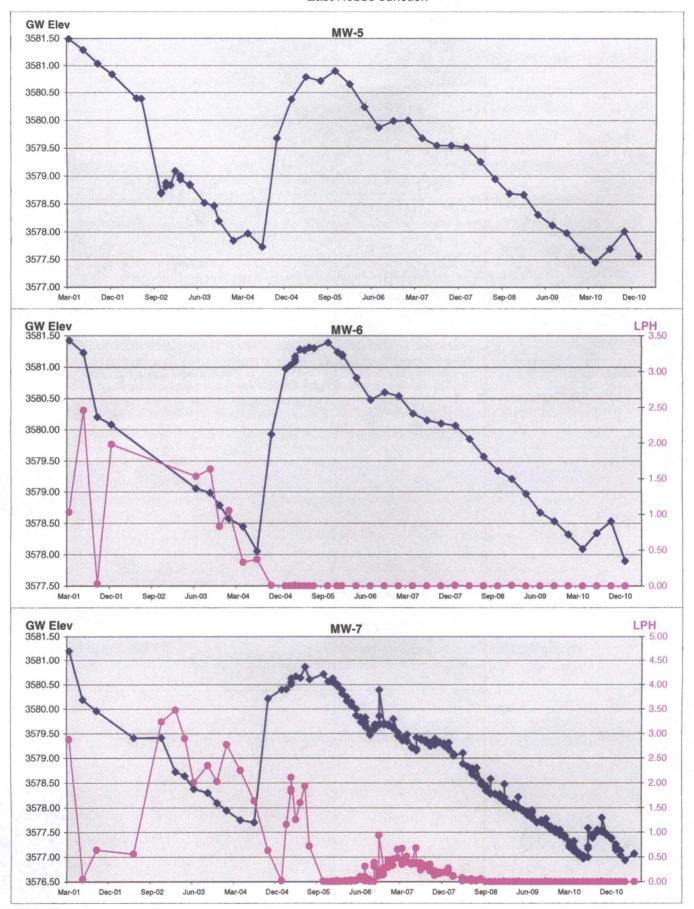
## TETRA TECH

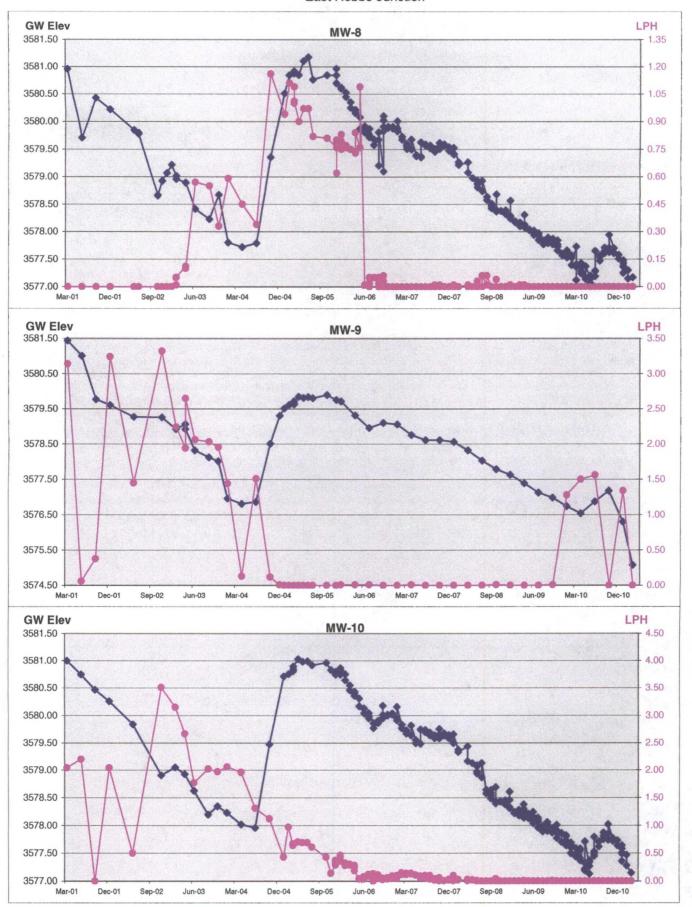
Elevation Survey of 4 MONITORING WELLS Located At The East Hobbs Junction

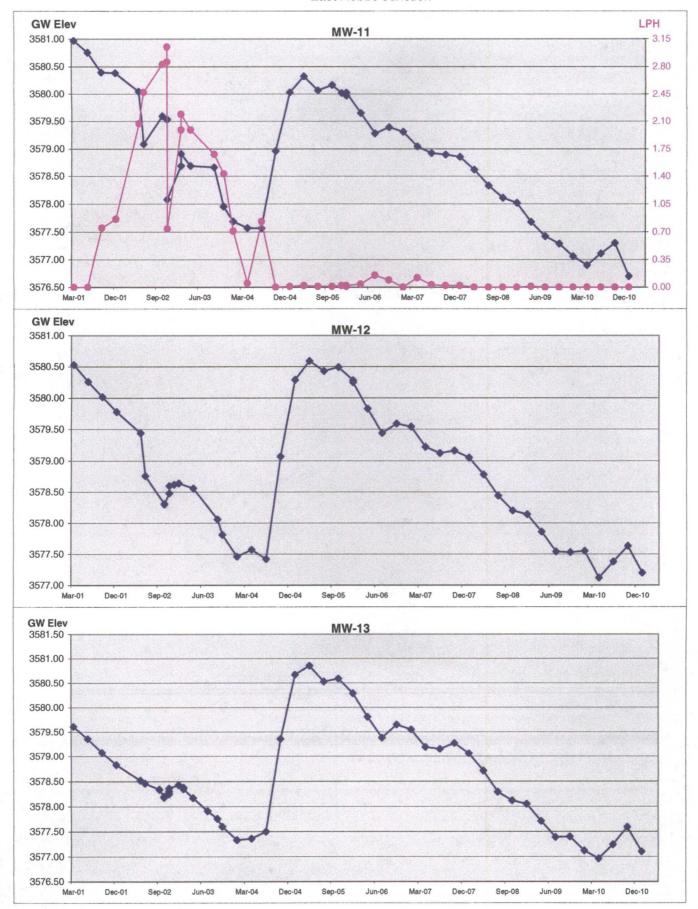
Located in Section 8 Township 19 South, Range 38 East, N.M.P.M. Lea County, New Mexico

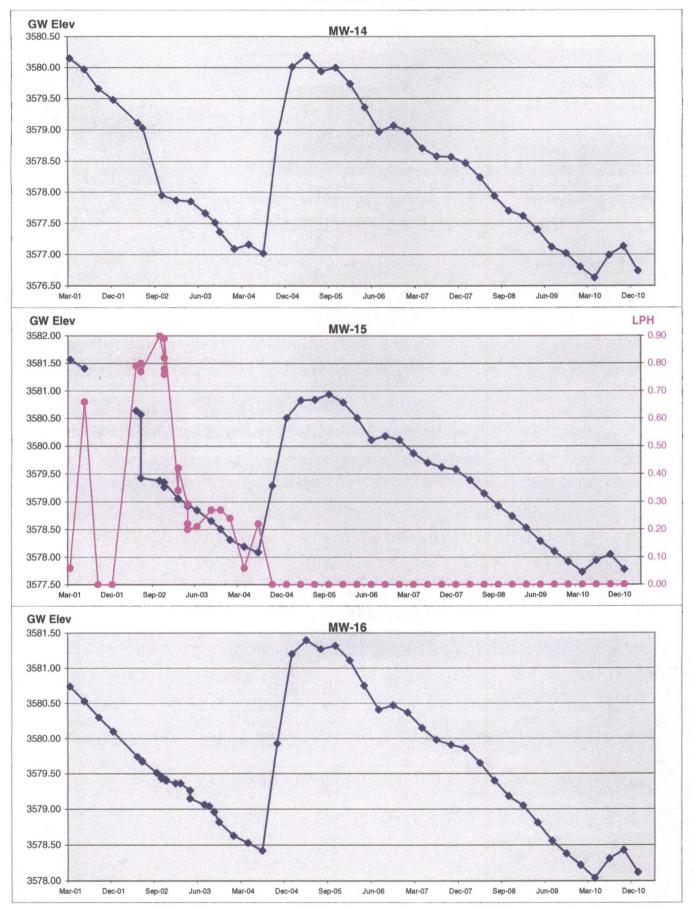
Drawn By: DWG	Date: February 1, 2011
Scale: 1" = 1000'	Field Book: 489/49-51
Revision Date:	Quadrangle: Hobbs West
W.O. No: 2011-0203	Dwg. No.: T:Dan/TETRA TECH/2011-0203

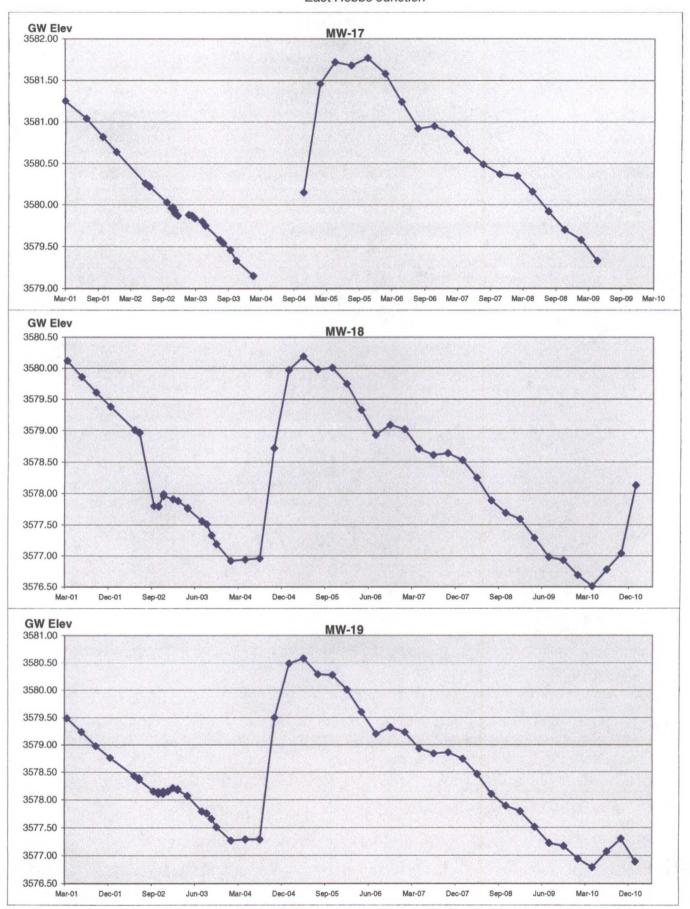


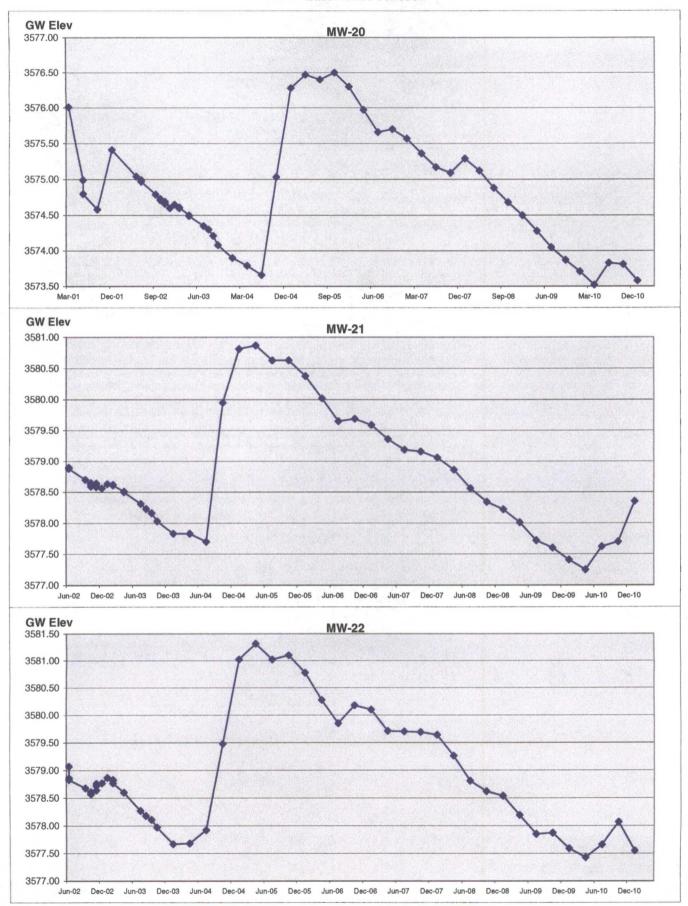




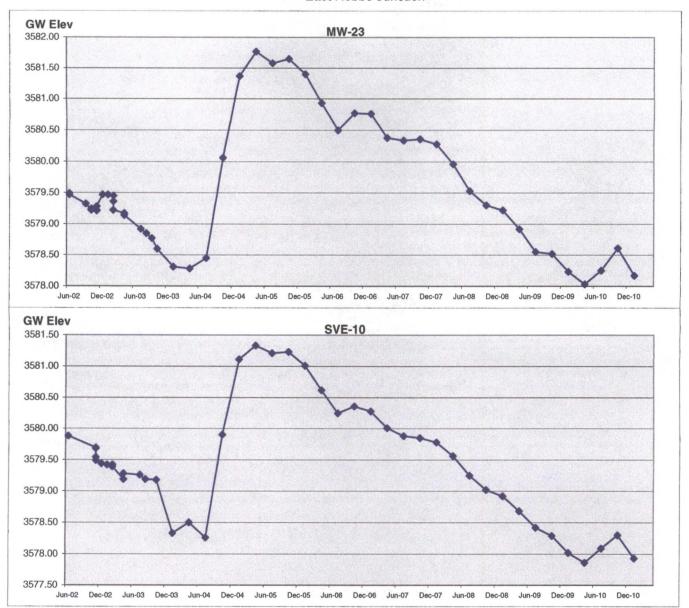








## **Hydrograph Charts**East Hobbs Junction



# APPENDIX B Laboratory Analytical Data



SPL Inc. 8880 Interchange Drive Houston, TX 77054

Phone: (713) 660-0901 Fax: (713) 660-8975

### Certificate of Analysis

May 13, 2010

Workorder: H10040617

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

Project: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction / 114-6400485

Site: East Hobbs Junction, Hobbs, NM PO Number: ENFOS PO 4513254919 NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 72 Pages

**Excluding Any Attachments** 

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35



SPL Inc. 8880 Interchange Drive Houston, TX 77054

Phone: (713) 660-0901 Fax: (713) 660-8975

### Certificate of Analysis

May 13, 2010

Workorder: H10040617

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Project: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction / 114-6400485

Site: East Hobbs Junction, Hobbs, NM PO Number: ENFOS PO 4513254919 NELAC Cert. No.: T104704205-09-1

### 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.

SW8015B - Diesel Range Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted for Batch IDs: EXTO/1683 and EXTO/1684. 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.

SW8021B - Purgeable Aromatics analysis:

Your sample ID "Dup 1" (SPL ID: H10040617022) was randomly selected for use in SPL's quality control program for Batch ID GCVW/1633. The Matrix Spike (MS) recovery was outside of the advisable quality control limits for Benzene 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

### 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.

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35



SPL Inc. 8880 Interchange Drive Houston, TX 77054

Phone: (713) 660-0901 Fax: (713) 660-8975

### Certificate of Analysis

May 13, 2010

Workorder: H10040617

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Project: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction / 114-6400485

Site: East Hobbs Junction, Hobbs, NM PO Number: ENFOS PO 4513254919 NELAC Cert. No.: T104704205-09-1

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 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, Senior Project Manager

**Enclosures** 

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35



Phone: (713) 660-0901 Fax: (713) 660-8975

# **SAMPLE SUMMARY**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H10040617001	MW-21	Water		4/27/2010 13:05	4/29/2010 09:15
H10040617002	MW-16	Water		4/27/2010 13:20	4/29/2010 09:15
H10040617003	MW-20	Water		4/27/2010 13:30	4/29/2010 09:15
H10040617004	MW-25	Water		4/27/2010 13:45	4/29/2010 09:15
H10040617005	MW-24	Water		4/27/2010 14:00	4/29/2010 09:15
H10040617006	MW-4	Water		4/27/2010 15:05	4/29/2010 09:15
H10040617007	MW-5	Water		4/27/2010 15:20	4/29/2010 09:15
H10040617008	MW-26	Water		4/27/2010 15:40	4/29/2010 09:15
H10040617009	MW-27	Water		4/28/2010 07:40	4/29/2010 09:15
H10040617010	MW-23	Water		4/28/2010 08:00	4/29/2010 09:15
H10040617011	MW-22	Water		4/28/2010 08:15	4/29/2010 09:15
H10040617012	MW-13	Water		4/28/2010 08:30	4/29/2010 09:15
H10040617013	MW-19	Water		4/28/2010 09:00	4/29/2010 09:15
H10040617014	MW-14	Water		4/28/2010 09:25	4/29/2010 09:15
H10040617015	MW-18	Water		4/28/2010 09:43	4/29/2010 09:15
H10040617016	MW-12	Water		4/28/2010 10:00	4/29/2010 09:15
H10040617017	SVE-10	Water	•	4/28/2010 10:20	4/29/2010 09:15
H10040617018	MW-6	Water		4/28/2010 10:45	4/29/2010 09:15
H10040617019	MW-3	Water		4/28/2010 11:05	4/29/2010 09:15
H10040617020	Trip Blank	Water		4/28/2010 11:30	4/29/2010 09:15
H10040617021	Trip Blank 2	Water		4/28/2010 00:00	4/29/2010 09:15
H10040617022	Dup 1	Water		4/27/2010 00:00	4/29/2010 09:15
H10040617023	Dup 2	Water		4/28/2010 00:00	4/29/2010 09:15
H10040617024	MW-15	Water		4/27/2010 14:20	4/29/2010 09:15

Report ID: H10040617\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617001

Date/Time Received: 4/29/2010 09:15

atrix.

Water

Sample ID: MW-21

Date/Time Collected: 4/27/2010 13:05

**WET CHEMISTRY** 

Analysis Desc: ERA 300:0 Parameters	Batch: 1285 EPA 300:0 on				Batch Information RegLmt Prep Analysis
Chloride	1320	500	126	1000	1285

# SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Batch: 1684; SW-846/801	5B DRO LVI on 0	5/01/2010:14	1:00 by N_N	1	
The second secon	Analytical Batches:			4		i e
	Batch: 1499_SW-846 801	5B DRO LVI on 0	5/04/2010 17		1.	
	Results	Tanan an			Batch In	formation
Parameters	mg/I Qual	Report Limit	MDL	DF R	egLmt Prep	Analysis
Diesel Range Organics(C10-C28)	0.12	0.050	0.0074	1 .	1684	1499
n-Pentacosane (S)	81 %	20-150		1	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846-8021B	SW-846 5030Analytical Bail	icnes:						
	Batch: 1634 SW-846 8021B on 05/10/2010 17:43 by JWS							
Parameters	Results : ug/l Qual	Report/Limit	MDL	DF RegLmt	Batch Information Prep "Analysis"			
Benzene	ND	1.0	0.30	1	1634			
Ethylbenzene	ND	1.0	0.22	1	1634			
Toluene	ND	1.0	0.25	1	1634			
m,p-Xylene	ND	1.0	0.30	1	1634			
o-Xylene	ND	1.0	0.32	1	1634			
Xylenes, Total	ND	1.0	0.30	1	1634			
1,4-Difluorobenzene (S)	101 %	70-130		1	1634			
4-Bromofluorobenzene (S)	98.7 %	70-130		1	1634			
Preservation pH	<2			1	1634			

# Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:	
Patch 1632 SW 946 901EB CBO Cas on 05/10/201	0.17:42 by IMC
Batch: 1632 / SW 846 8015B GRO Gas on 05/10/201	U 17:43 DY 3473
Results	Batch Information
	The state of the s
	DE DESTRUCTION OF A CONTROL OF THE PROPERTY OF
Parameters: mg/l Qual Report Limit MDL	DF RegLmt Prep Analysis

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

Page 5 of 72



Phone: (713) 660-0901 Fax: (713) 660-8975

# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617001

Date/Time/Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-21

Date/Time Collected: 4/27/2010 13:05

	Results	:				Batch Ir	nformation
Parameters	Qua	al Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1632
1,4-Difluorobenzene (S)	99.6 %	60-155		1			1632
4-Bromofluorobenzene (S)	101 %	50-158		1	•		1632

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

Page 6 of 72



Phone: (713) 660-0901 Fax: (713) 660-8975

## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617002

Date/Time Received: 4/29/2010 09:15

Water

Sample ID: MW-16

Date/Time Collected: 4/27/2010 13:20

v	ď	CT	816	84		r.	FT	18/
	ш	- 1		ш	-	""	- 1	w

Chloride	150	50.0	126	100	1285
Parameters.	mg/i Quai	Report Limit	MDL.	DF F	legLmt. Prep Analysis
	Results			171	Batch Information
	Batch: 1285 EPA 300.0 on	05/05/2010 16:13.	by CFS		
	A MARK TO THE REST OF THE PERSON OF THE PERS				
Analysis Desc: EPA 300(0)	Analytical Batches:				

#### **SEMIVOLATILE HYDROCARBONS**

Diesel Range Organics(C10-C28)	. 0.055	0.050	0.0074	1	. 1684	1499
Parameters.	mg/l <sup>Qual</sup>	Report Limit	MDL	DF Reg	Lmt Prep	Analysis
	Results				Batch Info	rmation
	Batch: 1499, SW-846 801	ISB DRO LVI on 0	)5/04/2010 18	8:29 by AAM		
	Analytical Batches:					
	Batch::1684 SW-846 801	15B DRO LVI on 0	)5/01/2010 14	4:00 by N_M		
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:				7	

Analysis Desc: SW-846 8021B	SW-846 5030Analytical				
	Batch: 1634, SW-846 8	021B on 05/10/2010	18:11 by J\	WS.	
	Results				Batch Information
Parameters	The state of the s	Report Limit	MDL	DF RegLr	CHARLES AND A CHARLES AND A CHARLES AND A CHARLES AND A CHARLES AND A CHARLES AND A CHARLES AND A CHARLES AND A
Benzene	ND	1.0	0.30	1	1634
Ethylbenzene	ND	1.0	0.22	1	1634
Toluene	ND	1.0	0.25	1	1634
m,p-Xylene	ND	1.0	0.30	1	1634
o-Xylene	ND	1.0	0.32	1	1634
Xylenes, Total	ND .	1.0	0.30	1	1634
1,4-Difluorobenzene (S)	98.6 %	70-130		· 1	1634
4-Bromofluorobenzene (S)	96.5 %	70-130		1	1634
Preservation pH	<2			1	1634

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches;	
	Batch: 1632 SW-846 8015B GRO Gas on 05/10/2010 18:11 by JWS	
	Results Batch in	nformation!
Parameters	mg/I Qual Report Limit MDL DF RegLmt Prep	Analysis

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

Page 7 of 72



Phone: (713) 660-0901 Fax: (713) 660-8975

# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617002

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-16

Date/Time Collected: 4/27/2010 13:20

	Results						Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1	_	-	1632
1,4-Difluorobenzene (S)	100 %		60-155		1			1632
4-Bromofluorobenzene (S)	102 %		50-158		1			1632

Report ID: H10040617\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617003

Date/Time Received: 4/29/2010 09:15

r Wat

Water

Sample ID: MW-20

Date/Time Collected: 4/27/2010 13:30

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1285 EPA 300.0 on 05/05/2010 16:32 by CFS

Results

Parameters mg/

wesuits
wg/I Qual Report Limit MDL DF R

Batch Information

Prep Analysis

Chloride

161

50.0

12.6

100

1285

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1684 SW-846 8015B DRO LVI on 05/01/2010 14:00 by N°M

Analytical Batches:

Batch: 1499 SW-846 8015B DRO LVI on 05/04/2010 19:01 by AAM

Parameters	Results: mg/I Qual	Report Limit	MDL	DF Re	Batch Infor gLmt Prep A	250 Sec. 2015 Sec. 2015 Sec. 2015
Diesel Range Organics(C10-C28)	0.12	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	67.5 %	20-150		1	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:		100	
	Batch: 1634% SW-846 802				
	Results.				Batch Information
Parameters :	ug/I Qual	Report Limit	MDL	DF F	tegLmt. Prep. Analysis
Benzene	ND	, 1.0	0.30	1	1634
Ethylbenzene	ND	1.0	0.22	1	. 1634
Toluene	ND	1.0	0.25	1	1634
m,p-Xylene	ND	1.0	0.30	1	1634
o-Xylene	ND	1.0	0.32	1	1634
Xylenes, Total	ND	1.0	0.30	1	1634
1,4-Difluorobenzene (S)	99.6 %	70-130		1	1634
4-Bromofluorobenzene (S)	97.6 %	70-130		1	1634
Preservation pH	<2			1	1634

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1632 SW-846 8015B GRO Gas on 05/10/2010 18:38 by JWS

Results Batch Information:

Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617003

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-20

Date/Time Collected: 4/27/2010 13:30

	Results	N E				Batch Ir	nformation
Parameters	Qual	Report Limit	MDL	DF	RegLmt	Ргер	Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1632
1,4-Difluorobenzene (S)	99.4 %	60-155		1			1632
4-Bromofluorobenzene (S)	101 %	50-158		1			1632

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM Project Number: East Hobbs Junction /

Lab ID: H10040617004 Date/Time Received: 4/29/2010 09:15 Matrix: Water

Sample ID: MW-25 Date/Time Collected: 4/27/2010 13:45

WET CHEMISTRY
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	Analytical Batches:				
	Batch: 1285 EPA 300.0 on	05/05/2010 16:51	by CFS		
	Results				Batch Information
Parameters	mg/l Qual	Report Limit	MDL,	DF	RegLmt Prep Analysis
Chloride	177	50.0	12.6	100	1285

# SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 80158 DRO LVI	Preparation Batches: Batch: 1684: SW:846.801 Analytical Batches:	15B DRO LVI on 0	5/01/2010 1	4:00 by N <u>⊾</u> M		
	Batch: 1499   SW-846 801	5B DRO LVI on 0	5/04/2010 1	9:33 by AAM		
Parameters	Results mg/l: Qual	Report Limit	MDL	DF Re	Batch Info gLmt Prep	Analysis
Diesel Range Organics(C10-C28)	0.34	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	63.8 %	20-150	,	1	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical E	latches:			
	Bätch: 1634: SW-846 80	21B on 05/10/2010	19:06 by J\	vs"	
	Results				Batch Information:
Parameters	ug/l Qual	Report Limit	MDL	DF	RegLmt Prep Analysis
Benzene	ND	1.0	0.30	1	1634
Ethylbenzene	ND	1.0	0.22	1	1634
Toluene	ND	1.0	0.25	1	1634
m,p-Xylene	ND	1.0	0.30	1	1634
o-Xylene	ND	1.0	0.32	1	1634
Xylenes, Total	ND	1.0	0.30	1	1634
1,4-Difluorobenzene (S)	99.2 %	70-130		1	1634
4-Bromofluorobenzene (S)	96.7 %	70-130		1	1634
Preservation pH	<2			1	1634

# **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1632 SW-846 8015B GRO Gas on 05/1	0/2010 19:06 by JWS
	Results	Batch Information
Parameters	mg/I Qual Report Limit	MDL DF RegLmt Prep Analysis

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617004

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-25

Date/Time Collected: 4/27/2010 13:45

	Results		1				Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	100 %		60-155		1			1632
4-Bromofluorobenzene (S)	99.8 %	•	50-158		1			1632

Report ID: H10040617\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

CATALON DE SECULION CONTROL DE CATALON DE CA

Project Number: East Hobbs Junction /

Lab ID:

H10040617005

Date/Time Received: 4/29/2010 09:15

:15 Matrix:

Water

Sample ID: MW-24

Date/Time Collected: 4/27/2010 14:00

WET	CH	EN	1191	rpv

	alytical Batches: tch: 1285 :EPA 300:0 or	n 05/05/2010/19:40 (	oy CFS		
Parameters	Results	Basset Usair	MDU	DE P	Batch Information egLmt Prep Analysis
Chloride	232	25.0	6.30	50	1285

#### SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 80158 DRO LVI	Preparation Batches:		14.			
	Batch: 16847 SW-846 801	5B DRO LVI on 0	5/01/2010 14	00 by N_M		
	Analytical Batches:				18.75	
	Batch: 1499 SW-846 801	5B DRO LVI on 0	5/04/2010 20	05 by AAM		
Andreas and Andreas and Andreas and Andreas and Andreas and Andreas and Andreas and Andreas and Andreas and An Andreas and Andreas	eh -3. an a					
	Results				Batch Info	TOTAL MENTAL MENTAL SERVICE
Parameters;	mg/I Qual	Report Limit	MDL	DF Re	gLmt Prep /	Analysis
Diesel Range Organics(C10-C28)	0.44	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	48.4 %	20-150		1 .	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Batches:							
	Batch: 1642 SW-846 8	Batch: 1642 SW-846 8024B on 05/11/2010 15:13 by JWS						
	Anna San San San San San San San San San							
	Results				<ul> <li>Batch Information</li> </ul>			
Parameters	<b>ug/l</b> ; Qual	Report Limit	MDL	DF	RegLmt Prep Analysis			
Benzene	3.0	1.0	0.30	1	1642			
Ethylbenzene	6.0	1.0	0.22	1	1642			
Toluene	ND	1.0	0.25	1	1642			
m,p-Xylene	ND	1.0	0.30	1	1642			
o-Xylene	. ND ·	1.0	0.32	1	1642			
Xylenes, Total	· ND	1.0	0.30	1	1642			
1,4-Difluorobenzene (S)	102 %	70-130		1	1642			
4-Bromofluorobenzene (S)	98.2 %	70-130		1	1642			
Preservation pH	<2		•	1	1642			

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	%, Batch: 1640, SW-846 8015B GRO Gas on 05/	11/2010 15:13 by IWS
and the second s	Balti: 1040, GW-040 0013B GRO Gas 01103/	11/2010 (3:16)by 04/6
	Results.	Batch Information
Parameters	mg/I Qual Report Limit	MDL DF RegLmt Prep Analysis
	iligi.	

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617005

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-24

Date/Time Collected: 4/27/2010 14:00

Parameters	Results · Qu	ıal . F	Report Limit	MDL	DF	RegLmt	Batch ii Prep	nformation Analysis
Gasoline Range Organics	0.51		0.10	0.017	1			1640
1,4-Difluorobenzene (S)	112 %	5	60-155		1			1640
4-Bromofluorobenzene (S)	105 %	1	50-158		1			1640

Report ID: H10040617\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

Parameters

Chloride

H10040617006

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-4

Date/Time Collected: 4/27/2010 15:05

Analysis Desc: EPA 300.0

**WET CHEMISTRY** 

Analytical Batches:

Batch: 1285 EPA 300.0 on 05/05/2010 19:59 by CFS

Results Batch Information mg/I Qual Report Limit Prep. Analysis MDL 6.30

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1684 SW-846 8015B DRO LVI on 05/01/2010 14:00 by N M

Analytical Batches:

Batch::1499.7SW-846.8015B;DRO/LVI/on/05/04/2010/20:38/by/AAM

Parameters	Results <b>mg/i</b> Qual	Report Limit	MDL	DF Re	Batch Info gLmt Prep /	49-35-75 Properties 25-75-25-75
Diesel Range Organics(C10-C28)	0.072	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	57.8 %	20-150		1	1684	1499

# **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	itches:						
	Batch: 1634 SW-946 8021B on 05/10/2010 20:01 by JWS							
		(4.0) (4.0)						
Parameters	Results ug/I Qual	Report Limit	MDL.	DF. RegLm	Batch Information t Prep Analysis			
Benzene	ND	1.0	0.30	1	1634			
Ethylbenzene	· ND	1.0	0.22	1	1634			
Toluene	ND	1.0	0.25	1	1634			
m,p-Xylene	ND	1.0	0.30	1	1634			
o-Xylene	ND	1.0	0.32	1,	1634			
Xylenes, Total	ND	1.0	0.30	1	1634			
1,4-Difluorobenzene (S)	100 %	70-130		1	1634			
4-Bromofluorobenzene (S)	96.8 %	70-130		1	1634			
Preservation pH	<2			1	1634			

# Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches: Batch: 1632, SW-846 8015B GRO Gas on 05/10/2010 20:01 by JWS Results **Batch Information** mg/l Qual Prep Analysis **Parameters** Report Limit. MDL

Report ID: H10040617\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H1004 Sample ID: MW-4

H10040617006 Date/Time Received: 4/29/2010 09:15

Matrix: Water

Date/Time Collected: 4/27/2010 15:05

	Results						Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1		-	1632
1,4-Difluorobenzene (S)	99.7 %		60-155		1			1632
4-Bromofluorobenzene (S)	101 %		50-158		1			1632

Report ID: H10040617\_6159



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ormation

1285

## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: I

Chloride

H10040617007

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-5

Date/Time Collected: 4/27/2010 15:20

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0	Analytical Batches:			
	Batch: 1285 FPA 30	0.0 on 05/05/2010 20:18 by	CES	
			O. C.	
	and the second second		The State of the S	
				197
	Results			Batch Info
Parameters		ual - Report Limit 1	ADI DE Bool	O-an
raiailieleis		ual A TCDUICEIIII	VIDE TO DE RECEI	(ILEMAN FIEDS

SEMIVOLATILE HYDROCARBONS

Analysisi Desc: SW-846 8015B/DRO/LVI	Preparation Batches: ****					
	Batch: 1684 : SW-846 80	15B DRO LVI on 0	5/01/2010 14	00 by N <u>M</u>		
	Analytical Batches:					
	Batch: 1499 SW-846 80	15B DRO LVI on 0:	5/04/2010/22	:14 by AAM		
Parameters	Results	Report Limit	MDI	DE R	Batch Info egLmt Prep	1992 Sec. 234 Sec. 24
	0.078		0.0074	4	1684	1499
Diesel Range Organics(C10-C28) n-Pentacosane (S)	78.2 %	0.050 20-150	0.0074	1	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Bi	atches:						
	Batch: 1634: SW-846 8021B on 05/10/2010 20:29 by JWS							
	Results				Batch Information			
Parameters	ug/J Qual	Report Limit	MDL	DF RegLmt	Prep Analysis			
Benzene	ND	1.0	0.30	1	1634			
Ethylbenzene	ND	1.0	0.22	1	1634			
Toluene	1.3	1.0	0.25	1	1634			
m,p-Xylene	ND	1.0	0.30	1	1634			
o-Xylene	ND	1.0	0.32	1	1634			
Xylenes, Total	. ND	1.0	0.30	1	1634			
1,4-Difluorobenzene (S)	101 %	70-130		1	1634			
4-Bromofluorobenzene (S)	97.9 %	70-130		1 .	1634			
Preservation pH	<2			1	1634 <sup>-</sup>			

# **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batch	es:
	Batch: 1632 SW-846 8015B GRO Gas o	n 05/10/2010 20:29 by JWS
	Results	Batch Information
Parameters +	mg/j Qual - Report Limit	MDL DF RegLmt Prep Analysis
	mg/i	

Report ID: H10040617\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617007

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-5

Date/Time Collected: 4/27/2010 15:20

•	Results		) -				Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	103 %		60-155		1			1632
4-Bromofluorabenzene (S)	102 %		50-158		1	•		1632

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## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617008

Date/Time Received: 4/29/2010 09:15

Matrix: \

Water

Sample ID: MW-26

Date/Time Collected: 4/27/2010 15:40

WET		

WEICHEMISTRI					
Analysis Desc: EPA 300:0	nalytical Batches:				
Ba	tch: 1285 EPA 300.0 o	n 05/05/2010 21:33	by CFS		
	196		4		
	Results				Batch Information
Parameters	mg/l Qual	Report Limit	MDL	DF	RegLmt Prep Analysis
	400		2 22		100-
Chloride	123	25.0	6.30	50	1285

#### **SEMIVOLATILE HYDROCARBONS**

Analysis Desc; SW-846 8015B DRO LVI.	Preparation Batches:					
	Batch::1684 SW-846 801	5B DRO LVI on 05	5/01/2010 14	:00 by N <u>_</u> M		
	Analytical Batches:	1,000				
	Batch: 1499 SW-846 801	5B DRO LVI on 05	5/04/2010/22	47.by AAM	Titl 1	
	and the second					
Parameters	Results mg/l Qual	Report Limit	MDL	DF Re	Batch Info	rmation.) Analysis
Diesel Range Organics(C10-C28)	0.078	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	50 %	20-150	0.0074	1	1684	1499

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:							
	Batch: 1634. SW-846 8021B on 05/10/2010 20:57 by JWS								
					<b>4</b> .				
	Results				Batch Information				
Parameters	• ug/i Qual	Report/Limit	MDL	DF RegLmt	Prep. Analysis				
Benzene	ND .	1.0	0.30	1 .	1634				
Ethylbenzene	ND	1.0	0.22	1	1634				
Toluene	ND	1.0	0.25	1	1634				
m,p-Xylene	ND	1.0	0.30	1	1634				
o-Xylene	ND .	1.0	0.32	1	1634				
Xylenes, Total	ND	1.0	0.30	1	1634				
1,4-Difluorobenzene (S)	101 %	70-130		1	1634				
4-Bromofluorobenzene (S)	97 %	70-130		1	1634				
Preservation pH	<2	•		1	1634				

# **Gasoline Range Organics (GRO)**

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Report ID: H10040617\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617008

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-26

Date/Time Collected: 4/27/2010 15:40

					-		
	Results	1				Batch Ir	nformation
Parameters	Qua	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1632
1,4-Difluorobenzene (S)	99.9 %	60-155		1			1632
4-Bromofluorobenzene (S)	102 %	50-158		1			1632

Report ID: H10040617\_6159

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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Water

Lab ID:

H10040617009

Date/Time Received: 4/29/2010 09:15

Sample ID: MW-27

Date/Time Collected: 4/28/2010 07:40

**WET CHEMISTRY** 

Analysis Desc: EPA 300:0

Analytical Batches:

Batch: 1285 EPA 300 0 on 05/05/2010 22:30 by CFS

Results.

mg/I Qual Report Limit

MDL

RegLmt®

Matrix:

**Batch Information** 

Prep Analysis

**Parameters** Chloride

116

25.0

6.30

1285

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 1684 SW-846 8015B DRO LVI on 05/01/2010 14:00 by N M

Analytical Batches:

Batch: 1499 SW-846 8015B DRO LVI on 05/04/2010 23:19 by AAM

Parameters	Results mg/l Qual	Report Limit	MDL	DF R	Batch Info egLmt Prep 7	rmation Analysis
Diesel Range Organics(C10-C28)	0.057	0.050	0.0074	. 1	1684	1499
n-Pentacosane (S)	56.5 %	20-150		1	1684	1499

# **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030 Analytical Batches:								
	Batch: 1634 SW-846 8	Batch: 1634 SW-846 8021B on 05/11/2010 02:08 by JWS							
	Results			7-2	Batch Information				
Parameters A	ug/I Qual	Report Limit	MDL	DF I	RegLmt Prep Analysis				
Benzene	46	1.0	0.30	1	1634				
Ethylbenzene	ND	1.0	0.22	1 .	1634				
Toluene	1.2	1.0	0.25	1	1634				
m,p-Xylene	1.5	1.0	0.30	1 '	1634				
o-Xylene	ND	1.0	0.32	1	1634				
Xylenes, Total	1.5	1.0	0.30	1	1634				
1,4-Difluorobenzene (S)	99.6 %	70-130		1	1634				
4-Bromofluorobenzene (S)	96.6 %	70-130		. 1	1634				
Preservation pH	<2	•		1	1634				

## Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1632 SW-846 8015B GRO Gas on 05	/11/2010 02:08 by JWS
	Results	Batch Information
Parameters	ma/I Qual Report Limit	- MDLDFRegLmtPrep::⊹Analŷsis

Report ID: H10040617\_6159



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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617009

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-27

Date/Time Collected: 4/28/2010 07:40

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch In Prep	nformation Analysis
Gasoline Range Organics	0.15		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	99.5 %		60-155		1			1632
4-Bromofluorobenzene (S)	100 %		50-158		1			1632

Report ID: H10040617\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617010

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-23

Date/Time Collected: 4/28/2010 08:00

MA	ET	CH	IEN	AIC.	<b>TRY</b>

	Analytical Batches: Batch: 1285 EPA 300.0 on	05/05/2010/22:49	by CFS		
Parameters Experience of the Parameters Para	Results mg/I Qual	Report Limit	MDL	DF	Batch Information. RegLmt Prep Analysis
Chloride	68.6	25.0	6.30	50	1285

## **SEMIVOLATILE HYDROCARBONS**

SEMINOLATILE ITT DROCARDONS		•				
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Batch: 1684, SW-846 80	15B DRO LVI on 0	5/01/2010 14	:00 by N <u>. M</u> .		
	Analytical Batches:					
	Batch: 1499 SW-846 80	15B DRO LVI on 0	5/04/2010-23	51 by AAM		
		ener 1			en le	
	Results				<ul> <li>Batch Info</li> </ul>	rmation
Parameters	mg/I Qual	Report Limit	MDL	DF Re	jLmt Prep .	Analysis
Diesel Range Organics(C10-C28)	ND	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	59.2 %	. 20-150		1	1684	1499

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:			e.
	Batch: 1634 SW-846 80	21B on 05/11/2010	ل 03:31 by	WS.	
			4.5	4.1	
	Results		-		Batch Information.
Parameters :	ug/I Quals	Report Limit	MDL :	DF	RegLmt: - Prep Analysis
Benzene	· ND	1.0	0.30	1	1634
Ethylbenzene	ND	1.0	0.22	1	1634
Toluene	ND	1.0	0.25	1	1634
m,ρ-Xylene	ND	1.0	0.30	1	1634
o-Xylene	ND	1.0	0.32	1	1634
Xylenes, Total	ND	1.0	0.30	. 1	1634
1,4-Difluorobenzene (S)	100 %	70-130	•	1	1634
4-Bromofluorobenzene (S)	97.2 %	70-130		1	1634
Preservation pH	<2			1	1634

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1632 SW-846 8015B GRO Gas on 05/11/	2010 03:31 by JWS
	Results	Batch Information
Parameters:		DL DF RegLint Prep Analysis
radineces	mg/1 doar KeportEmilit W	DE DI Analysis

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## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617010

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-23

Date/Time Collected: 4/28/2010 08:00

	Results						Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	100 %		60-155		1			1632
4-Bromofluorobenzene (S)	100 %		50-158		1			1632

Report ID: H10040617\_6159



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1285

1634

1634

#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617011

Date/Time Received: 4/29/2010 09:15

Water

Matrix:

50

Sample ID: MW-22

Date/Time Collected: 4/28/2010 08:15

25.0

6.30

**WET CHEMISTRY** 

Chloride

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1285 EPA 300.0 on 05/05/2010 23:07 by CFS

Results: Batch Information

Parameters: mg/l: Qual Report Limit MDL DF RegLmt Prep Analysis.

90.9

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch::|1684| SW-846 8015B DRO LVI on 05/01/2010 14:00 by N\_M

Analytical Batches:

Batch: 1499 : SW-846 8015B DRO LVI on 05/05/2010 00:24 by AAM

Results

Results

Report Limit MDL DF RegLmt Prep Analysis

 Results
 Batch Information

 Parameters
 mg/l
 Qual
 Report Limit
 MDL
 DF
 RegLmt
 Prep
 Analysis

 Diesel Range Organics(C10-C28)
 ND
 0.050
 0.0074
 1
 1684
 1499

 n-Pentacosane (S)
 60.6 %
 20-150
 1
 1684
 1499

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches: Batch: 1634 SW-846 8021B on 05/11/2010 03:58 by UWS Results Batch Information RegLmt Prep Analysis ug/i Qual Report Limit **Parameters** MDL DF. Benzene ND 0.30 1634 1.0 Ethylbenzene ND 1.0 0.22 1634 Toluene ND 1.0 0.25 1634 m,p-Xylene ND 1.0 0.30 1634 o-Xylene ND 1.0 0.32 1634 Xylenes, Total ND 1.0 0.30 1634 1,4-Difluorobenzene (S) 99.6 % 70-130 1634

70-130

**Gasoline Range Organics (GRO)** 

4-Bromofluorobenzene (S)

Preservation pH

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1632. SW-846 8015B GRO Gas on 05/11/2010 03:58 by JWS

Results Batch Information.

Parameters MDL DF RegLmt Prep Analysis

96.5 %

<2

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## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617011

Date/Time Received: 4/29/2010 09:15

Matrix: Wa

Water

Sample ID: MW-22

Date/Time Collected: 4/28/2010 08:15

	Results						Batch Ir	Batch Information	
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis	
Gasoline Range Organics	ND		0.10	0.017	1		<del></del>	1632	
1,4-Difluorobenzene (S)	99.9 %		60-155		1			1632	
4-Bromofluorobenzene (S)	100 %		50-158	•	1			1632	

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#### ANALYTICAL RESULTS

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Water ·

Lab ID: H10040617012 Sample ID: MW-13

Date/Time Received: 4/29/2010 09:15 Matrix:

Date/Time Collected: 4/28/2010 08:30

**WET CHEMISTRY** 

**Parameters** 

Chloride

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1285, EPA 300.0 on 05/05/2010 23:26 by CFS

Batch Information Results: mg/l Qual Report Limit MDL DF Prep Analysis 76.7 25.0 6.30

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 1684. SW-846 8015B DRO LVI on 05/01/2010 14:00 by N. M.

Analytical Batches:

Batch: 1499 SW-846 8015B DRO LVI on 05/05/2010 00:56 by AAM

Results **Batch Information** mg/I: Qual. Report Limit **Parameters** MDL # DE RegLmt Prep - Analysis Diesel Range Organics(C10-C28) ND 0.050 0.0074 1684 1499 n-Pentacosane (S) 53.5 % 20-150 1684 1499

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches: Batch: 1634 SW-846 8021B on 05/11/2010 04:26 by JWS Results Batch Information ug/I Qual Report Limit MDL DF Prep Analysis **Parameters** RegLmt Benzene ND 0.30 1634 1634

Ethylbenzene ND 1.0 0.22 Toluene ND 0.25 1634 1.0 ND 0.30 m,p-Xylene 1.0 1634 o-Xylene ND 1.0 0.32 1634 Xylenes, Total ND 1.0 0.30 1634 1,4-Difluorobenzene (S) 100 % 1634 70-130 4-Bromofluorobenzene (S) 96.5 % . 70-130 1634 Preservation pH <2 1634

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1632 - SW-846 8015B GRO Gas on 05/11/2010 04:26 by JWS

Results Batch information mg/l Qual Report Limit Parameters > MDL DF RegLmt

Report ID: H10040617\_6159 Printed: 05/13/2010 16:35

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617012

Date/Time Received: 4/29/2010 09:15

Matrix: V

Water

Sample ID: MW-13

Date/Time Collected: 4/28/2010 08:30

	Results						Batch Ir	nformation
Parameters		Quai	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	99 %		60-155		1			1632
4-Bromofluorobenzene (S)	101 %		50-158		1			1632

Report ID: H10040617\_6159

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1289

## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617013

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-19

Date/Time Collected: 4/28/2010 09:00

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches: 🕟

Batch: 1289 EPA 300:0 on 05/10/2010 15:21 by CFS

Results Batch Information mg/I Qual Report Limit \_Prep≒ Analysis Parameters: MDL RegLmt

Chloride 25.0 6.30

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 1684 SW-846 8015B DRO LVI on 05/01/2010 14:01 by N.M.

Analytical Batches:

Batch: 1499. SW-846 8015B DRO LVI on 05/05/2010 01:28 by AAM

Parameters	Results mg/I Quals	Report Limit			Batch Infor gLmt Prep A	
Diesel Range Organics(C10-C28)	0.098	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	60.1 %	20-150		1	1684	1499

#### **VOLATILES**

SW-846 5030Analytical Batches:								
Batch: 1634* SW-846 802	21B on 05/11/2010 (	)4:54 by J\	VS.					
Results				Batch Information				
ug/l Qual	Report Limit* (*)	MDL	DF / RegLmt	BECOMMON COMPLETE CONTROL OF THE PROPERTY OF T				
ND	1.0	0.30	1	1634				
ND	1.0	0.22	1	1634				
ND	1.0	0.25	1	1634				
ND	1.0	0.30	1	1634				
ND	1.0	0.32	1	1634				
ND	1.0	0.30	1	1634				
99.5 %	70-130		1	1634				
97.5 %	70-130		· 1	1634				
<2			1	1634				
	Results   Qual   ND   ND   ND   ND   ND   ND   ND   N	Results   Report Limit   ND   1.0   99.5 %   70-130   97.5 %   70-130	Results   Qual   Report Limit   MDL	Results   Report Limit   MDL   DF   RegLmt				

# Gasoline Range Organics (GRO)

Analysis Desc; SW-846 80158 GRO Gas	SW-846 8015B GRO GasAnalytical Bato	hoe	
Alialysis Desc. SW-040 00 IOD On Ordas	SW-040 00 10D GIVO GasArialylical Date	4105:	
	All Control of the Co		
	Batch: 1632 SW-846 8015B GRO Gas	on:05/11/2010 04:54 by JWS	
		District the second second second second second second second second second second second second second second	
	G	Maria de la companya de la companya de la companya de la companya de la companya de la companya de la companya	
	Results		Batch Information
	n Out Description	NO DEVERSAL DES	Dead Anakisia
Parameters	mg/i Qual Report Lilling	t. : MDL DF RegLmt.	riep Alialysis

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617013

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-19

Date/Time Collected: 4/28/2010 09:00

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	99.3 %		60-155		1			1632
4-Bromofluorobenzene (S)	101 %		50-158		1			1632

Report ID: H10040617\_6159

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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617014

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-14

Analysis Desc: EPA 300.0

Date/Time Collected: 4/28/2010 09:25

**WET CHEMISTRY** 

Analytical Batches:

Batch: 1289 EPA 300:0 on 05/10/2010 15:38 by CFS

Results mg/I Qual

 Batch Information Prep Analysis Report Limit MDL

Parameters : Chloride

190

25.0

6.30

1289

SEMIVOL	ATIL	E HYD	ROC/	ARB	ONS
---------	------	-------	------	-----	-----

Anai	VSIS L	esc:	SVV	346°C	10.15t	3:DK	
342003	2011	12.4		0.00	100 PM		

Preparation Batches:

Batch: 1684 SW-846 8015B DRO LVI/on 05/01/2010 14:01 by N M

Analytical Batches:

Batch: 1499 SW-846 8015B DRO LVI on 05/05/2010 02:01 by AAM

Pårameters	Results mg/I Qual F	Report Limit	MDL		Batch Infor gLmt Prep A	mation Inalysis	
Diesel Range Organics(C10-C28)	0.14	0.050	0.0074	1	1684	1499	
n-Pentacosane (S)	62.9 %	20-150		1	1684	1499	

#### **VOLATILES**

Analysis Desc: SW-846 8021B	<ul> <li>SW-846 5030Analytical I</li> </ul>	Batches:	4					
Batch: 1642 SW-846:8021B on 05/11/2010 07:39 by JWS								
Company of the Compan	Results				≅ Batch Information			
Parameters	ug/l Qual	Report Limit	MDL	. DF RegLmt	Prep + Analysis			
Benzene	ND	1.0	0.30	1	1642			
Ethylbenzene	ND	1.0	0.22	1	. 1642			
Toluene	ND	1.0	0.25	1	1642			
m,p-Xylene	ND	` 1.0	0.30	1	1642			
o-Xylene	ND	1.0	0.32	1	1642			
Xylenes, Total	ND	1.0	0.30	1	1642			
1,4-Difluorobenzene (S)	100 %	70-130		1	1642			
4-Bromofluorobenzene (S)	94.9 %	70-130		1	1642			
Preservation pH	<2			1	1642			

# **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1640 SW-846 8015B GRO Gas on 05/11	/2010/07/39 by IMS
	- Daton: 10-0 On 10-0 On On On On One	12010.00.000000
	Results	Batch Information
Parameters:	mg/i Qual Report Limit	MDL DF RegLmt Prep Analysis

Report ID: H10040617\_6159



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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617014

Date/Time Received: 4/29/2010 09:15

Matrix: V

Water

Sample ID: MW-14

Date/Time Collected: 4/28/2010 09:25

Parameters	Results Qua	l Report Limit	MDL	DF	RegLmt	Batch Information Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1		1640
1,4-Difluorobenzene (S)	99.9 %	60-155		1		1640
4-Bromofluorobenzene (S)	101 %	50-158		1		1640

Report ID: H10040617\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

. Project Number: East Hobbs Junction /

Lab ID:

H10040617015

Date/Time Received: 4/29/2010 09:15

Water

Matrix:

10

Sample ID: MW-18

Date/Time Collected: 4/28/2010 09:43

WFT		

	Analytical Batches: Batch: 1289 EPA 300:0 on 0	05/10/ <b>2</b> 010 15:55	by CFS		
Rarameters	Results mg/I Qual	Report\Limit	MDL	DF RegL	Batch Information mt Prep Analysis
Chloride	170	25.0	6.30	50	1289

#### **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846/8015B/DRO/LVI	Preparation Batches:			3.463	100	
and the second s	Batch: 1684 SW-846 801	58 DRO LVI on 05	5/01/2010 14	:01 by N <u>±</u> M:		
	Analytical Batches:					
	Batch: 1499 SW-846 801	5B DRO LVI on 05	5/05/2010 02	:33 by AAM		
			100			
	Results				THE SECOND STREET STREET, STREET STREET, STREE	formation
Parameters:	mg/I Qual	Report Limit	MDL	DF Re	gEmt Prep	Analysis
Diesel Range Organics(C10-C28)	0.37	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	66.4 %	20-150		1	1684	1499

SW-846 5030Analytical Batches:

Batch: 1642 SW-846 8021B on 05/11/2010 08:35 by JWS DF ≠ 25.

#### **VOLATILES**

	Balch: 1642 SW-846 80	21B on 05/11/2010	16:20 by J	WS DF = 10	
Parameters'	Results ug/l Qual	Report Limit	MDL	DF Re	Batch Information gLmt Prep Analysis
Benzene	4300	25	7.6	25	1642
Ethylbenzene	170	10	2.2	10	1642
Toluene	ND	10	2.5	10	1642
m,p-Xylene	130	10	3.0	10	1642
o-Xylene	79	10	3.2	·10	1642
Xylenes, Total	209	10	3.0	10	1642
1,4-Difluorobenzene (S)	106 %	70-130	*	25	1642
1,4-Difluorobenzene (S)	115 %	70-130	•	10	1642
4-Bromofluorobenzene (S)	97.9 %	70-130		25	1642
4-Bromofluorobenzene (S)	98.6 %	70-130		10	1642

<2

#### Gasoline Range Organics (GRO)

Report ID: H10040617\_6159

Preservation pH

Printed: 05/13/2010 16:35

1642



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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617015

Date/Time Received: 4/29/2010 09:15

Water

Matrix:

Sample ID: MW-18

Date/Time Collected: 4/28/2010 09:43

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches

Batch: 1640 SW-846 8015B GRO Gas on 05/11/2010 08:35 by JWS

Parameters :	Results mg/l Qual	Report Limit	MDL	DF≅ R	Batch Information egLmt Prep Analysis
Gasoline Range Organics	13	2.5	0.42	25	1640
1,4-Difluorobenzene (S)	105 %	60-155		25	1640
4-Bromofluorobenzene (S)	100 %	50-158		25	1640

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617016

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-12

Date/Time Collected: 4/28/2010 10:00

WFT	CH	EM	QTP	v
VVI	Lan	IL 1A1	אוכו	T

	Analytical Batches: Batch:: 1289 EPA 300:0 on Results mg/l: Quals	100	by CFS	DF. RegLr	Batch Inform nt: Prep Ar	
Chloride	171	25.0	6.30	50		1289

## SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:			7		
	Batch: 1684 SW-846 801	5B DRO LVI on 0.	5/01/2010 14	:01.by N <u>:</u> M		
	Analytical Batches:			100		
	Batch: 1499 SW-846 801	5B DRO LVI on 0	5/05/2010 03	06 by AAM -		
		The state of the s	- Aug.			
	Results	100			Batch Infor	CANADOM PROPERTY
Parameters	mg/l Qual	Report Limit	MDL	DF RegLmt	Prep. A	malysis.
Diesel Range Organics(C10-C28)	0.47	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	75.8 %	20-150		1	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical	Batches:		40		
	VS,⊶, .:					
$I_{ij}$				2001		
	Results		7,5,4			Batch Information
Parameters 18	ug/j: Qual	* Report Limit	MDL	DF.	RegLmt	Prep Analysis
Benzene	4400	10	3.0	10		1642
Ethylbenzene	140	10	2.2	10		1642
Toluene	ND	10	2.5	10		1642
m,p-Xylene	190	10	3.0	10		1642
o-Xylene	ND ·	10	3.2	10		1642
Xylenes, Total	190	10	3.0	10		1642
1,4-Difluorobenzene (S)	114 %	70-130		10		1642
4-Bromofluorobenzene (S)	98 %	70-130		10		1642
Preservation pH	<2	•		10		1642

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas Analytical Batches:
	Batch: 1640 SW-846 8015B GRO Gas on 05/11/2010 09:02 by JWS
	Balch: 1040; SW-646;6015B;GRO Gas;01(05/11/2010 05:02:0y-3WS
	Results Batch Information
Parameters	mg/I Qual Report Limit MDL DF, RegLmt Prep Analysis
( additions	III Gran Mehart Film Mor Sol. Weden Web Wildian

Report ID: H10040617\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617016

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-12

Date/Time Collected: 4/28/2010 10:00

	Results						Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	15		5.0	0.84	50			1640
1,4-Difluorobenzene (S)	100 %		60-155		50			1640
4-Bromofluorobenzene (S)	101 %		50-158		50			1640

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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617017

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Date/Time Collected: 4/28/2010 10:20

MAINT	MISTRY

Sample ID: SVE-10

	nalytical Batches: atch: 1289 EPA:300:0 or Results mg/l Qual	05/10/2010 16:29 (	oy CFS		Batch Information RegLmt Prep Analysis
Chloride	221	25.0	6.30	50	1289

#### SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846,8015B DRO LVI	Preparation Batches:					
	Batch: 1684 SW-846 801	B DRO LVI on 0	5/01/2010/14	4:01 by N_M		
	Analytical Batches:			4.4		
	Batch: 1499 SW-846 801	5B DRO LVI on 0	5/05/2010 0	6:19 by AAM		
			4.5			
	Results	5			Batch Info	ACTIVATION OF PRODUCTION AND AND ASSESSED.
Parameters	mg/I - quai	ReportLimit	MDL	DF, R	egLmt Prép	Analysis
Diesel Range Organics(C10-C28)	0.089	0.050	0.0074	1 .	1684	1499
n-Pentacosane (S)	70.2 %	20-150	•	1	1684	1499

#### **VOLATILES**

	Batch: 1642   SW-846 802	1B on 05/11/2010	08:07 by JV	vs :	
A Commission of the Commission		1.50 (1.5)			
	Results			~-	Batch Information
Parameters:	ug/i Quai	Report Limit	MDL	, טר.	Regumt Prep Analysis.
Benzene	ND	1.0	0.30	1	1642
Ethylbenzene	ND	1.0	0.22	1	1642
Toluene	. ND	1.0	0.25	1	1642
m,p-Xylene	ND	1.0	0.30	1	1642
o-Xylene	ND ·	1.0	0.32	. 1	1642
Xylenes, Total	ND	1.0	0.30	1	1642
1,4-Difluorobenzene (S)	99.1 %	70-130		1	1642
4-Bromofluorobenzene (S)	95.6 %	70-130		1	1642
Preservation pH	<2			. 1	1642

Analysis Desc: SW-846/8021B SW-846/5030Analytical Batches:

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1640 SW-846 8015B GRO Gas on 05/11/2010	108:07 by:1WS
	5	
8	Results NO	BatchInformation
Parameters	mg/l Qual Report Limit MDL	UF Regulit Frep. Analysis

Report ID: H10040617\_6159 Page 37 of 72



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# **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617017

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: SVE-10

Date/Time Collected: 4/28/2010 10:20

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1640
1,4-Difluorobenzene (\$)	99.2 %		60-155		1			1640
4-Bromofluorobenzene (S)	100 %		50-158		1			1640

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

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## **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617018

Date/Time Received: 4/29/2010 09:15

Matrix: Wa

Water

Sample ID: MW-6

Date/Time Collected: 4/28/2010 10:45

**WET CHEMISTRY** 

	nalýtical Batches: atch: 1289 EPA 300:0 on Results mg/l Qual				Batch Information) RegLmt Prep Analysis
Chloride	92.6	25.0	6.30	50	1289

# SEMIVOLATILE HYDROCARBONS

CONTRACTOR OF THE PROPERTY OF	THE RESERVE OF THE PROPERTY OF	TO THE SECULIAR SECUL	en la companya di proprio di proprio di la companya di proprio di	encompalare des promotos managos apolicitado di talente de des
Analysis Desc: SW-846 8015B D	RO II VIE E E Prenara	tion Hatches:		the state of the same of the same of
Conference of a Commission State of the Commission State of State				
The state of the s			And the second s	
	Batch: 1	684 SW-846 8015B DI	KO I VI on 05/01/2010	) 14:()1 hv N M
	The state of the s	er anedis killinger ar yeller eller soller soller soller soller soller soller soller	ANALYSIS CONTROL CONTR	
AND THE CONTRACT OF THE CONTRA	Anaivuc	al Batches:		The second second
	A CAPACITATION OF THE PROPERTY			4.4
				and the second of the second of
		499 SW-846 8015B DI	201110 05/05/0046	A A LA
	- batch:	499@5VV-646 8U I 3B UI	XU:EVI:00:U5/U5/ZU10	INTUUS DV AAME
		Principal description of the second contract	Construction of the Constr	offers witnesser states from the

Parameters	Results <b>mg/l</b> Qual	Report Limit	MDL	DF : Re	Batch Infor gLmt (1.1 Prep A	mation: nalysis
Diesel Range Organics(C10-C28)	0.72	0.050	0.0074	1	1684	1499
n-Pentacosane (S)	80.5 %	20-150		1.	1684	1499

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:	1901		
	Batch: 1642 SW-846 80	21B on 05/11/2010	17:44 by J\	WS	
	Results				Batch Information
Parameters .	ug/I Qual:	Report Limit +	MDL	DF I	RegLmt , Prep Analysis:
Benzene	47	1.0	0.30	1	1642
Ethylbenzene	120	1.0	0.22	1	1642
Toluene	17	1.0	0.25	. 1	1642
m,p-Xylene	46	1.0	0.30	1	1642
o-Xylene	25	1.0	0.32	1	1642
Xylenes, Total	71	1.0	0.30	1	1642
1,4-Difluorobenzene (S)	112 %	70-130		1	1642
4-Bromofluorobenzene (S)	102 %	70-130		1	1642
Preservation pH	<2	•		1	1642

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
Alianysis Desc. GW-040 00 ISB GIXO Cas	OVV-040 00 (Ob Ol (O Casallalylical Datches)	
	Batch: 1640 SW-846 8015B GRO Gas on 05/11	/2010 17:44 by JWS
	Results	Batch Information
Parameters	ma/I. Qual Report Limit	MDL DF RegLmt Prep Analysis
	ועשווי	
TO PERSONAL PROPERTY AND ADDRESS OF THE PROPERTY OF THE PROPER		

Report ID: H10040617\_6159

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### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617018

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: MW-6 Date/Time Collected: 4/28/2010 10:45

	Results						Batch Ir	nformation
Parameters	Q	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	2.7		0.10	0.017	1			1640
1,4-Difluorobenzene (S)	135 %		60-155		1			1640
4-Bromofluorobenzene (S)	119 %		50-158		1			1640

Report ID: H10040617\_6159

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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617019

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-3

Date/Time Collected: 4/28/2010 11:05

WET CHEMISTRY

AAE L OTTERNOTIVE					•
Analysis Desc: EPA 300:0	Analytical Batches:				
The second secon	Batch: 1289 EPA 300:0 or	n 05/10/2010 17:03	by CFS	T	
			1		
	Results				Batch Information
Parameters	mg/l Qual	Report Limit	MDL	DF F	RegLmt Prep Analysis
Chloride	35.4	25.0	6.30	50	1289

#### SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches: Batch: 1684 SW-846 80	15B DRO LVI on 05	5/01/2010 1	4:01.by N <u>.</u> l	V.	
	Analytical Batches: Batch: 1499 SW-846 80	15B DRO LVI on 0	5/05/2010 1	3:49 by AAI	M i	
Parameters	Results mg/l Qual	Report Limit	MDL	DF F		formation Analysis
Diesel Range Organics(C10-C28) n-Pentacosane (S)	8.0 104 %	0.50 20-150	0.074	10 10	1684 1684	1499 1499

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

#### **VOLATILES**

	Batch: 1642: SW-946/8021B on 05/12/2010 01:03 by JWS DF = 100.						
Parameters:	Results ug/I Qual	Report Limit	MDL	DF F	Batch Information Reglimt * Prep Analysis		
Benzene	6300	100	30	100	1642		
Ethylbenzene	350	10	2.2	10	1642		
Toluene	53	10	2.5	10	1642		
m,p-Xylene	530	10	3.0	10	1642		
o-Xylene	180	10	3.2	10	1642		
Xylenes, Total	710	10	3.0	10	1642		
1,4-Difluorobenzene (S)	102 %	70-130		. 100	1642		
1,4-Difluorobenzene (S)	105 %	70-130		10	1642		
4-Bromofluorobenzene (S)	98.9 %	70-130		100	1642		
4-Bromofluorobenzene (S)	101 %	70-130		10	1642		
Preservation pH	<2	:		10	1642		

Report ID: H10040617\_6159

Gasoline Range Organics (GRO)

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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617019

Date/Time Received: 4/29/2010 09:15

Water

Sample ID: MW-3

Date/Time Collected: 4/28/2010 11:05

Analysis Desc: SW-846.8015B GRO Gas SW-846.8015B GRO Gas Analytical Batches:

Batch: (1640). SW-846 80 15B GRO Gas on 05/11/2010 21:28 by JWS 1.

Parameters	Results mg/l <sup>Qual</sup>	Report Limit	MDL	DF I	Batch Information RegLmt Prep Analysis
Gasoline Range Organics	26	10	1.7	100	1640
1,4-Difluorobenzene (S)	103 %	60-155		100	1640
4-Bromofluorobenzene (S)	102 %	50-158		100	1640

Report ID: H10040617\_6159

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### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617020

Date/Time Received: 4/29/2010 09:15

Matrix:

Water 1

Sample ID: Trip Blank

Date/Time Collected: 4/28/2010 11:30

**VOLATILES** 

Analysis Desc: SW-846 80218	SW-846 5030Analytical	Batches: , , ,			
	Batch: 1642 SW-846	021B on 05/11/2010	19:37 by JV	VS	
	Results				Batch Information
Parameters'	<b>ug/j</b> Qua	Report Limit	MDL	DF Re	gLmt Prep Analysis
Benzene	ND	1.0	0.30	1	1642
Ethylbenzene	ND	1.0	0.22	1	1642
Toluene	ND ND	. 1.0	0.25	1	1642
m,p-Xylene	ND	1.0	0.30	1	1642
o-Xylene	ND	1.0	0.32	1	1642
Xylenes, Total	ND	1.0	0.30	1	1642
1,4-Difluorobenzene (S)	99.5 %	70-130	-	1	1642
4-Bromofluorobenzene (S)	98 %	70-130		1	1642
Preservation pH	. <2			1	1642

Report ID: H10040617\_6159

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1642

#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617021

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample iD: Trip Blank 2

Date/Time Collected: 4/28/2010 00:00

**VOLATILES** 

Preservation pH

Analysis Desc: SW-846 8021B	de Parista de Caración de Cara	atches:	1.00		
	Batch: 1642 SW-846 80	21B on 05/11/2010	14:45 by JV	vs.	
	W.				
	Results				Batch Information
Parameters:	ug/l Qual	Report Limit,	MDL	DF RegLi	mt Prep Analysis
Benzene	ND	1.0	0.30	1	1642
Ethylbenzene	ND	1.0	0.22	1	1642
Toluene	ND	1.0	0.25	1	1642
m,p-Xylene	ND	1.0	0.30	1	1642
o-Xylene	ND	1.0	0.32	1	1642
Xylenes, Total	ND	1.0	0.30	1	1642
1,4-Difluorobenzene (S)	100 %	70-130		1	·1642
4-Bromofluorobenzene (S)	99.1 %	70-130		1	1642

<2

Report ID: H10040617\_6159



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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617022

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: Dup 1

Date/Time Collected: 4/27/2010 00:00

14/67	^			
WFT	(:H	ьм	1.  i	ΚY

	alytical Batches: htch: 1289 *EPA 300:0 o Results mg/li Qual			DF R	Batch Information egLmt Prep Analysis
Chloride	253	25.0	6.30	50	1289

#### **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846 8015B DRO EVI	Propagation Patches:	
Alialysis Desc. GVV-040 do lob Dr.O.E.V.	preparation patches	
	Batch: 1683 SW-846 8015B DRO LVI on 05/01/2010 13:56 by N. M.	
	Analytical Batches:	
		444
	Batch: 1498 SW-846 8015B DRO LVI on 05/05/2010 08:28 by AAM	

Parameters.	Results mg/l Qual	Report Limit	MDL	DF: Regi	Batch Infor ⊥mt : Prep A	mation inalysis
Diesel Range Organics(C10-C28)	0.75	0.050	0.0074	1	1683	1498
n-Pentacosane (S)	70.2 %	20-150		1	1683	1498

#### **VOLATILES**

:Analysis Desc: SW-846 8021B	SW-846 5030Analytical E	latches:			
Consideration of the Constant	Batch: 1634 - SW-846-80	21B on 05/10/2010	14:50 by JV	vs.	
	Results			i ing	Batch Information
Parameters +	üğ/l Qüal	Rêport\Limit	MDL.	DF R	egLmt Prep Analysis
Benzene	4.1	1.0	0.30	1	1634
Ethylbenzene	5.5	1.0	0.22	1	1634
Toluene	ND	1.0	0.25	1 .	1634
m,p-Xylene	ND	1.0	0.30	1	1634
o-Xylene	ND	1.0	0.32	1	1634
Xylenes, Total	· ND	1.0	0.30	1	. 1634
1,4-Difluorobenzene (S)	103 %	70-130		1	1634
4-Bromofluorobenzene (S)	97.1 %	70-130		1	1634
Preservation pH	<2			, 1	1634

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas:	SW-846 8015B GRO GasAnal	utical Ratchae:	
Alialysis Desc. SW-040-00-130-CIAO Cas.	OW-040 00 IOD OIXO CasAllal	lytical Datches.	
		aa a a a a a a a a a a a a a a a a a a	
	Batch: 1632 SW-846 8015B	GRO Gas on 05/10/2010 14:50 by JW	5
	Results	and the second second second	Batch Information
Parameters	ma/i Qual R	eport Limit MDL DF "R	egLmt⊸ ∷Prep.∴Analysis∜
	· · · · · · · · · · · · · · · · · · ·		

Report ID: H10040617\_6159

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### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617022

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: Dup 1

Date/Time Collected: 4/27/2010 00:00

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	0.52		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	113 %		60-155		1			1632
4-Bromoffuorobenzene (S)	103 %		50-158		1			1632

Report ID: H10040617\_6159

Printed: 05/13/2010 16:35

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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617023

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: Dup 2

Date/Time Collected: 4/28/2010 00:00

**WET CHEMISTRY** 

	nalytical Balches: atch: 1289 IEPA 300:0 on Results <b>mg/I</b> : Qual		oy,CFS MDL		Batch Information it Prep Analysis
Chloride	173	25.0	6.30	50	1289

#### **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches: , +:				Est	
	Batch: 1683 SW-846 801	5B DRO LVI on 0	5/01/2010 13	3:57 by N. M		
	Analytical Batches:					
	Batch: 1498 SW-846 801	58 DRO LVI on 0	5/05 <b>/2</b> 010 09	00 by AAN		
	Results				Batch Info	ALDER OF BREITH COME SEE
Parameters	mg/l Qual	Report Limit	MDL,	DF R	egEmt = Prep	Analysis
Diesel Range Organics(C10-C28)	0.46	0.050	0.0074	1	1683	1498
n-Pentacosane (S)	75.6 %	20-150		1	1683	1498

### **VOLATILES**

Ana	lysis	Desc:	SW-	346 8	021B			<b></b> S₩	-846	5030 <i>A</i>	\nalyti	cal B	atches	5:20		1.00	0.000		79.			ď.
					4962		4 4					30 C	200						200			ø
200			4600					Bat.	h 16	2 <i>4</i> C	W-84	וב פחי	100	- 05/	14/20	10.0	) OE I	S. 6	A/C	5E -	EΛ	ŝ
	4.0			4			actor's	Juan			744-0-			100/		I U U		UYSUN	V J I L		JU	ř
			era e						Application of		rotal and the	Wyl.		46 Co.	334		<b>以外经</b> 点	400		ALC PURP		Š
					6 to 100			• Bato	:h:﴿16	42×5	SW-84	16 802	21B (0)	n 05/:	1/20	10:1:	5:49:1	الوروا	NS∜E	)F = 1	110%	Ä
		10 S		100	(10)								100	77-021	7000	September 1			100		W (C. 8)	Ä

	Results				Batch Information
Parameters	ug/l Qual	Report Limit	MDL	DF R	tegLmt Prep Analysis
Benzene	4400	50	15	50	1634
Ethylbenzene	150	10	2.2	10	1642
Toluene	· ND	10	2.5	10	1642
m,p-Xylene	200	10	3.0	10	1642
o-Xylene	ND	10	3.2	10	1642
Xylenes, Total	200	10	3.0	10	1642
1,4-Difluorobenzene (S)	101 %	70-130		50	1634
1,4-Difluorobenzene (S)	114 %	70-130		10	1642
4-Bromofluorobenzene (S)	97 %	70-130		50	1634
4-Bromofluorobenzene (S)	97.9 %	70-130		10	1642
Preservation pH	<2	•		10	1642

**Gasoline Range Organics (GRO)** 

Report ID: H10040617\_6159



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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID: H10040617023

Date/Time Received: 4/29/2010 09:15

Matrix: Water

Sample ID: Dup 2

Date/Time Collected: 4/28/2010 00:00

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO Gas Analytical Batches;

Batch: 1632 SW-846 8015B GRO Gasion 05/11/2010 02:35 by JWS

Parameters	Results mg/I Qual	Report/Limit 4	MDL	DF R	Batch information egEmt Prep Analysis
Gasoline Range Organics	15	5.0	0.84	50	1632
1,4-Difluorobenzene (S)	100 %	60-155		50	1632
4-Bromofluorobenzene (S)	101 %	50-158		50	1632

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#### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617024

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-15

Date/Time Collected: 4/27/2010 14:20

**WET CHEMISTRY** 

SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846(8015B DRO LVI Preparation Batches:

Batch: 1683 SW-846(8015B DRO LVI on: 05/01/2010; 13:57 by N\_M

Analytical Batches:

Batch: 1498 SW-846(8015B DRO LVI on: 05/05/2010; 09:32 by AAM)

Parameters	Results mg/l * Qual *	Report Limit	MDL	DF Regu	Batch Info nt Prep /	rmation Analysis
Diesel Range Organics(C10-C28)	4.3	0.050	0.0074	1	1683	1498
n-Pentacosane (S)	79.6 %	20-150		1 :	1683	1498

#### **VOLATILES**

Arialysis Desc. Syv-846 6021D	SW-646 SUSUAHAIYUCAI B	attries.			-
	Batch: 1634 SW-846 802	21B on 05/11/2010	03:03 by J\	VS .	
Parameters	Results ug/I Qual	Report Limit	MDL	DF	Batch Information RegLimt Prep Analysis
Benzene	ND	1.0	0.30	1	1634
Ethylbenzene	ND	1.0	0.22	· 1	1634
Toluene	ND .	1.0	0.25	1	1634
m,p-Xylene	ND	1.0	0.30	1	1634
o-Xylene	ND	1.0	0.32	1	1634
Xylenes, Total	ND	1.0	0.30	1	1634
1,4-Difluorobenzene (S)	100 %	70-130		1	1634
4-Bromofluorobenzene (S)	97.9 %	70-130		1	1634
Preservation pH	<2			1	1634

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO Gas Analytical Batches:

Batch: 1632 SW-846 8015B GRO Gas on 05/11/2010 03:03 by JWS

Results Batch information
Parameters • mg/l Qual Report Limit MDL DF RegLint Prep Analysis

Report ID: H10040617\_6159

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### **ANALYTICAL RESULTS**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID:

H10040617024

Date/Time Received: 4/29/2010 09:15

Matrix:

Water

Sample ID: MW-15

Date/Time Collected: 4/27/2010 14:20

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1632
1,4-Difluorobenzene (S)	101 %		60-155		1			1632
4-Bromofluorobenzene (S)	104 %		50-158		1			1632

Report ID: H10040617\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

EXTO/1683

Analysis Method:

SW-846 8015B DRO LVI

QC Batch Method:

SW-846 8015B DRO LVI

Preparation:

05/01/2010 13:54 by N\_M

Associated Lab Samples:

H10040617022

H10040617023

H10040617024

METHOD BLANK: 42566

Analysis Date/Time Analyst:

05/05/2010 04:43 AAM

Parameter	Units	Blank Result Qualifiers	Reporting Limit	·	5
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	ND 118	0.050 20-150		

LABORATORY CONTROL SAMPLE & LCSD: 42567

42568

LCS Analysis Date/Time Analyst: 05/05/2010 05:15 AAM

LCSD Analysis Date/Time

05/05/2010 05:47 AAM

Parameter	Units	Spike Conc.	LCS Result	LCSD Result <sup>o</sup>	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	2	1.3	1.27	86.8 133	84.6 123	21-175 20-150	2.6	43 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.

Report ID: H10040617\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

Parameter

EXTO/1684

Analysis Method:

SW-846 8015B DRO LVI

QC Batch Method:

SW-846 8015B DRO LVI

Preparation:

05/01/2010 13:59 by N M

H10040617004

H10040617005

H10040617006

Associated Lab Samples:

H10040617001 H10040617007

H10040617013

H10040617002 H10040617008 H10040617014

H10040617003 H10040617009 H10040617015

H10040617010 H10040617016 H10040617011 H10040617017 H10040617012 H10040617018

H10040617019

METHOD BLANK: 42569

Analysis Date/Time Analyst:

05/04/2010 16:20 AAM

Blank

Reporting

**Result Qualifiers** 

Limit

Diesel Range Organics(C10-C28) n-Pentacosane (S)

mg/l %

Units

ND 126

0.050 20-150

LABORATORY CONTROL SAMPLE & LCSD: 42570

42571

LCS Analysis Date/Time Analyst: 05/04/2010 16:52 AAM LCSD Analysis Date/Time

05/04/2010 17:25 AAM

Spike

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	2	1.35	1.24	90.1 140	82.8 133	21-175 20-150	8.4	43 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.

Report ID: H10040617\_6159 Printed: 05/13/2010 16:35

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Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

IC/1285

Analysis Method: EPA 300.0

QC Batch Method:

EPA 300.0

Associated Lab Samples:

H10040617002 H10040617008 H10050060001

H10040617003 H10040617009

H10050095001

H10040617004 H10040617010 H10050096001 H10040617005 H10040617011

H10040617006 H10040617012

METHOD BLANK: 43648

Analysis Date/Time Analyst:

05/05/2010 10:35 CFS

Blank

Reporting

Parameter

Units

H10040617001

H10040617007

H10050045001

Result Qualifiers

Limit

Chloride

mg/l

ND

0.500

LABORATORY CONTROL SAMPLE: 43649

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:43650

Analysis Date/Time Analyst:

05/05/2010 10:53 CFS

Parameter

Spike

LCS

LCS % Rec % Rec

Units mg/l

Conc. 10 Result 9.887

MSD

Result

98.9

Limits 85-115

Chloride

Units

mg/l

mg/l

43651

Original: H10050045001

MSD

% Rec

MS Analysis Date/Time Analyst:

05/05/2010 13:17 CFS

MSD Analysis Date/Time Analyst:

05/05/2010 13:36 CFS

Conc.

Parameter Chloride

Spike Original Result

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:43652

383 500 861.6 863.0 95.7 96.0

MS

Result

43653

MS Analysis Date/Time Analyst:

05/05/2010 19:03 CFS

MSD Analysis Date/Time Analyst:

05/05/2010 19:21 CFS

Parameter

Original

177

MS

1058

MSD MS % Rec

MSD % Rec

Original: H10040617004

% Rec Limit RPD

% Rec

80-120

Limit

**RPD** 

0.2

Max RPD

Max

RPD

20

Chloride

Units Result

Spike Conc. Result

1000

Result 1091

88.2

MS

% Rec

80-120 91.5

3.1

20

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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Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1631

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

05/10/2010 00:00 by GCV

Associated Lab Samples:

H10040617001

H10040617003

H10040617004

H10040617006

H10040617007

H10040617008

H10040617002 H10040617009

H10040617010

H10040617011

H10040617012

H10040617013

H10040617022

H10040617023

H10040617024

METHOD BLANK: 44374

Analysis Date/Time Analyst:

05/10/2010 12:24 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND	0.10
4-Bromofluorobenzene (S)	%	100	50-158
1,4-Difluorobenzene (S)	%	99.2	60-155

LABORATORY CONTROL SAMPLE: 44375

Analysis Date/Time Analyst:

05/10/2010 11:57 JWS

Parameter	Units	Spike Conc.	LCS	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.983	98.3	70-130	
4-Bromofluorobenzene (S)	%			103	50-158	
1,4-Difluorobenzene (S)	<b>%</b> -			106	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44376

44377

Original: H10040617008

MS Analysis Date/Time Analyst:

05/10/2010 23:49 JWS

MSD Analysis Date/Time Analyst:

05/11/2010 00:17 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.01	1.0	1.15	1.1	114	109	36-160	4.5	36
4-Bromofluorobenzene (S)	%	102				103	104	50-158		30
1,4-Difluorobenzene (S)	%	99.9				106	106	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.

Report ID: H10040617\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

IC/1289

Analysis Method: EPA 300.0

QC Batch Method:

**EPA 300.0** 

Associated Lab Samples: H10040617013

H10040617019

H10040617014

H10040617022

H10040617015

H10040617016 H10040617024 H10040617017 H10050115001

H10040617018

METHOD BLANK: 44438

Analysis Date/Time Analyst:

05/10/2010 09:13 CFS

Blank

Reporting

Parameter

Units

**Result Qualifiers** 

H10040617023

Limit

Chloride

mg/l

ND

44440

0.500

LABORATORY CONTROL SAMPLE & LCSD: 44439

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44441

LCS Analysis Date/Time Analyst: 05/10/2010 09:30 CFS LCSD Analysis Date/Time

05/10/2010 21:52 CFS

Spike

9.811

LCSD LCS

98.1

LCSD

% Rec

**RPD** 

3.7

Max

Parameter

Units

LCS Conc. Result

10

Result % Rec 10.18

% Rec

102

Limit 85-115 **RPD** 

20

Chloride

mg/l

Units

mg/l

44442

Original: H10040617024

MS Analysis Date/Time Analyst:

05/10/2010 18:45 CFS

MSD Analysis Date/Time Analyst:

05/10/2010 19:02 CFS

Parameter
Chloride

Original Result

167

Spike Conc.

500

MS Result 656.3

MSD MS Result % Rec 630.9 97.9

MSD % Rec

92.8

% Rec RPD Limit 80-120

**RPD** 3.9 20

Max

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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05/13/2010 16:35 Printed:

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Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1633

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030 .

Preparation:

05/10/2010 00:00 by GCV

Associated Lab Samples:

H10040617001

H10040617003

H10040617006

H10040617007

H10040617008

H10040617002 H10040617009

H10040617010

H10040617004 H10040617011

H10040617012

H10040617022

H10040617023

H10040617024

H10040617013

METHOD BLANK: 44448

Analysis Date/Time Analyst:

05/10/2010 12:24 JWS

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)	%	100	70-130	
4-Bromofluorobenzene (S)	%	97.1	70-130	

LABORATORY CONTROL SAMPLE: 44449

Analysis Date/Time Analyst:

05/10/2010 11:29 JWS

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	
Benzene	ug/l	20	20.9	104	70-130	
Ethylbenzene	ug/l	20	20.7	104	70-130	
Toluene	ug/l	20	21.0	105	70-130	
m,p-Xylene	ug/i	40	42.8	107	70-130	
o-Xylene	ug/l	20	20.7	104	70-130	
Xylenes, Total	ug/l	60	63.6	106	70-130	
1,4-Difluorobenzene (S)	%		•	100	70-130	
4-Bromofluorobenzene (S)	%			97.7	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44450

44451

Original: H10040617022

MS Analysis Date/Time Analyst:

05/10/2010 15:24 JWS

MSD Analysis Date/Time Analyst:

05/10/2010 15:52 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	4.1	20	33.1	32.2	145 *	141	66-141	2.6	31
Ethylbenzene	ug/l	5.5	20	28.4	27.8	114	111	52-136	2.2	28
Toluene	ug/l	0.59	20	24.9	24.3	122	119	61-131	2.3	25
m,p-Xylene	ug/i	0.65	40	49.3	48.3	122	119	60-130	2.0	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.

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### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44450

44451

Original: H10040617022

MS Analysis Date/Time Analyst:

05/10/2010 15:24 JWS

MSD Analysis Date/Time Analyst:

05/10/2010 15:52 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/l	ND	20	25.2	24.7	126	124	64-130	1.9	30
Xylenes, Total	ug/l	ND	60	74.5	73.1	124	122	60-130	1.9	36
1,4-Difluorobenzene (S)	%	103				103	102	70-130		30
4-Bromofluorobenzene (S)	%	97.1				98.0	97.6	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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#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1639

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

05/11/2010 00:00 by GCV

H10040617018

Associated Lab Samples:

H10040617005 H10040617019 H10040617014

H10040617015

H10040617016

H10040617017

METHOD BLANK: 44562

Analysis Date/Time Analyst:

05/11/2010 07:12 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	%	99.4	50-158	
1,4-Difluorobenzene (S)	%	99.4	60-155	

LABORATORY CONTROL SAMPLE: 44563

Analysis Date/Time Analyst:

05/11/2010 06:44 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.981	98.1	70-130	
4-Bromofluorobenzene (S)	%			103	50-158	
1,4-Difluorobenzene (S)	%			106	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44569

44570

Original: H10040617014

MS Analysis Date/Time Analyst:

05/11/2010 10:22 JWS

MSD Analysis Date/Time Analyst:

05/11/2010 10:50 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.038	1.0	1.09	1.09	105	105	36-160	0.1	36
4-Bromofluorobenzene (S)	%	101				105	105	50-158		30
1,4-Difluorobenzene (S)	%	99.9				107	107	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.

Report ID: H10040617\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

H10040617017

QC Batch:

GCVW/1641

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

05/11/2010 00:00 by GCV

Associated Lab Samples:

H10040617005

03/11/2010 00:00 by GCV

H10040617005

H10040617014 H10040617020 H10040617015 H10040617021 H10040617016 H10040617023 H10040617018

METHOD BLANK: 44591

Analysis Date/Time Analyst:

05/11/2010 07:12 JWS

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)	%	99.5	70-130
4-Bromofluorobenzene (S)	%	95.7	70-130

LABORATORY CONTROL SAMPLE: 44592

Analysis Date/Time Analyst:

05/11/2010 06:17 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	•
Benzene	ug/l	20	21.4	107	70-130	
Ethylbenzene	ug/l	20	21.1	106	70-130	
Toluene	ug/i	20	21.2	106	70-130	
m,p-Xylene	ug/l	40	43.6	109	70-130	
o-Xylene	ug/l	· 20	21.1	105	70-130	
Xylenes, Total	ug/l	60	64.6	108	70-130	
1,4-Difluorobenzene (S)	%			99.8	70-130	
4-Bromofluorobenzene (S)	%			97.7	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44593

44594

Original: H10040617017

MS Analysis Date/Time Analyst:

05/11/2010 20:05 JWS

MSD Analysis Date/Time Analyst:

05/11/2010 20:33 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	23.7	23.5	118	117	66-141	0.8	31
Ethylbenzene	ug/l	ND	20	23.4	23.0	117	115	52-136	1.6	28
Toluene	ug/l	ND	20	23.4	23.0	117	115	61-131	1.8	25
m,p-Xylene	ug/l	ND	40	48.4	47.6	121	119	60-130	1.6	36
o-Xylene	ug/l	ND	20	23.7	23.6	119	118	64-130	0.7	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: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:44593

44594

Original: H10040617017

MS Analysis Date/Time Analyst:

05/11/2010 20:05 JWS

MSD Analysis Date/Time Analyst:

05/11/2010 20:33 JWS

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	72.1	71.2	120	119	60-130	1.3	36
1,4-Difluorobenzene (S)	%	99.1				99.7	100	70-130		30
4-Bromofluorobenzene (S)	%	95.6				99.4	98.7	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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### Legend

# (S) - Indicates analyte is a surrogate

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

Report ID: H10040617\_6159



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## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10040617022	Dup 1	SW-846 8015B DRO LVI	EXTO/1683	SW-846 8015B DRO LVI	GCSV/1498
H10040617023	Dup 2	SW-846 8015B DRO LVI	EXTO/1683	SW-846 8015B DRO LVI	GCSV/1498
H10040617024	MW-15	SW-846 8015B DRO LVI	EXTO/1683	SW-846 8015B DRO	GCSV/1498
		*		LVI	
H10040617001	MW-21	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO	GCSV/1499
H10040617002	MW-16	SW-846 8015B DRO LVI	EXTO/1684	LVI SW-846 8015B DRO	GCSV/1499
H10040617003	MW-20	SW-846 8015B DRO LVI	EXTO/1684	LVI SW-846 8015B DRO	GCSV/1499
110040617004	MW-25	SW-846 8015B DRO LVI	EXTO/1684	LVI SW-846 8015B DRO	GCSV/149
H10040617005	MW-24	SW-846 8015B DRO LVI	EXTO/1684	LVI SW-846 8015B DRO	GCSV/149
	MW-4	SW-846 8015B DRO LVI	EXTO/1684	LVI SW-846 8015B DRO	GCSV/149
110040617006			EXTO/1684	LVI SW-846 8015B DRO	GCSV/149
110040617007	MW-5	SW-846 8015B DRO LVI		LVI SW-846 8015B DRO	
H10040617008	MW-26	SW-846 8015B DRO LVI	EXTO/1684	LVI SW-846 8015B DRO	GCSV/149
110040617009	MW-27	SW-846 8015B DRO LVI	EXTO/1684	LVI	GCSV/149
H10040617010	MW-23	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
H10040617011	MW-22	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
H10040617012	MW-13	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
110040617013	MW-19	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
110040617014	MW-14	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
H10040617015	MW-18	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
H10040617016	MW-12	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
H10040617017	SVE-10	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO	GCSV/149
H10040617018	MW-6	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO LVI	GCSV/149
H10040617019	MW-3	SW-846 8015B DRO LVI	EXTO/1684	SW-846 8015B DRO	GCSV/149
				LVI	
H10040617001	MW-21	EPA 300.0	IC/1285		
H10040617002	MW-16	EPA 300.0	IC/1285		
110040617003	MW-20	EPA 300.0	IC/1285		
110040617004	MW-25	EPA 300.0	IC/1285		
110040617005	MW-24	EPA 300.0	IC/1285		
110040617006	MW-4	EPA 300.0	IC/1285		
H10040617007	MW-5	EPA 300.0	IC/1285	·	

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### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10040617008	MW-26	EPA 300.0	IC/1285		
H10040617009	MW-27	EPA 300.0	IC/1285		
H10040617010	MW-23	EPA 300.0	IC/1285		
H10040617011	MW-22	EPA 300.0	IC/1285	· .	
H10040617012	MW-13	EPA 300.0	IC/1285		
H10040617001	MW-21	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617002	MW-16	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617003	MW-20	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617004	MW-25	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617006	MW-4	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617007	MW-5	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617008	MW-26	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617009	MW-27	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617010	MW-23	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617011	MW-22	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617012	MW-13	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617013	MW-19	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617022	Dup 1	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617023	Dup 2	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617024	MW-15	SW-846 8015B GRO Gas	GCVW/1631	SW-846 8015B GRO Gas	GCVW/1632
H10040617013	MW-19	EPA 300.0	IC/1289		
H10040617014	MW-14	EPA 300.0	IC/1289		
H10040617015	MW-18	EPA 300.0	IC/1289		
H10040617016	MW-12	EPA 300.0	IC/1289		
H10040617017	SVE-10	EPA 300.0	IC/1289		
H10040617018	MW-6	EPA 300.0	IC/1289		
H10040617019	MW-3	EPA 300.0	IC/1289		
H10040617022	Dup 1	EPA 300.0	IC/1289	•	*
H10040617023	Dup 2	EPA 300.0	IC/1289		
H10040617024	MW-15	EPA 300.0	IC/1289		

Report ID: H10040617\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10040617: East Hobbs Junction, Hobbs, NM

Project Number: East Hobbs Junction /

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10040617001	MW-21	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617002	MW-16	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617003	MW-20	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617004	MW-25	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617006	MW-4	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617007	MW-5	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617008	MW-26	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617009	MW-27	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617010	MW-23	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617011	MW-22	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617012	MW-13	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617013	MW-19	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617022	Dup 1	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617023	Dup 2	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617024	MW-15	SW-846 5030	GCVW/1633	SW-846 8021B	GCVW/1634
H10040617005	MW-24	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617014	MW-14	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617015	MW-18	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617016	MW-12	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617017	SVE-10	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617018	MW-6	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617019	MW-3	SW-846 8015B GRO Gas	GCVW/1639	SW-846 8015B GRO Gas	GCVW/1640
H10040617005	MW-24	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617014	MW-14	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617015	MW-18	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617016	MW-12	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617017	SVE-10	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617018	MW-6	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617019	MW-3	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617020	Trip Blank	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617021	Trip Blank 2	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642
H10040617023	Dup 2	SW-846 5030	GCVW/1641	SW-846 8021B	GCVW/1642

Report ID: H10040617\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# **Sample Receipt Checklist**

WorkOrder:	H10040617	Received By	LOG
Date and Time	04/29/2010 09:15	Carrier Name:	FEDEXS
Temperature:	2.9°C	Chilled By:	Water Ice
1. Shipping container/co	poler in good condition?		YES
2. Custody seals intact of	on shipping container/cooler?		YES
3. Custody seals intact of	on sample bottles?		Not Present
4. Chain of custody pres	sent?		YES
5. Chain of custody sign	ned when relinquished and received?	• .	YES
6. Chain of custody agree	ees with sample labels?		YES
"Dup 1" and "Dup 2."	tainers for GRO, DRO, BTEX, CI,) received and Logged in for analysis. Used clients labels for strip blanks but only one listed on COC. Logged in	ample date.	
7. Samples in proper co	· · · · · · · · · · · · · · · · · · ·		YES
8. Samples containers in	ntact?		YES
9. Sufficient sample volu	ume for indicated test?		YES
10. All samples received	within holding time?		YES
	k temperature in compliance?	•	YES
Left side temp: 3.1 Ri 871147156696 temp:	ght side temp: 3.3; Cooler 2- 871147156685 Ter 2.8	np: 3.4; Cooler 3-	
12. Water - VOA vials ha	ve zero headspace?		YES
13. Water - Preservation	checked upon receipt(except VOA*)?		Not Applicable
*VOA Preservation C	hecked After Sample Analysis		
SPL Representative:		Contact Date & Time:	
Client Name Contacte	ed:		

Report ID: H10040617\_6159

Client Instructions:



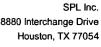
Phone: (713) 660-0901 Fax: (713) 660-8975

State TX  State TX  State TX  State TX  State TX  State TX  State TX  State TX  State TX  State TX  State TX  State TX  State SX  SAMPLE  DATE  TIME  Comp  SAMPLE  DATE  TIME  Comp  SAMPLE  SAMPLE  Secret  Sundard Occ   Level occ   1330  Sundard Occ   Level occ   1330  Sundard Occ   Level occ   1330  Sundard Occ   Level occ   1330  Sundard Occ   Level occ   1330  Sundard Occ   Level occ   1330  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   LA RECAP   1320  Sundard Occ   Level occ   TX TRRP   TX TRPP   TX TR	State TK 23D CEC_808i  4/55	SPL, Inc.  Indicated & Chain of Custody Record    Column   Custody Record   Custody Record
State TK ZD STATE  4/5-5 (4/32) LEC-EOS 1  4/60-HSS   Email: 9/75, 72/2-60 tetys Tril. Comp grab   All X    1/100-HSS   DATE   TIME   comp grab   Some encore    1/100-HSS   TIME   comp grab    1/100-HSS   TIME	State TX	SPL, Inc.  State TX
Special Reporting Requirements Results: Fax   Report   Record   Re	State TX	SPL, Inc.  Inc.  State TX Zip State TX  Local Bis State TX  Local Bis DATE TIME comp grab William process  Local Bis State TX
Special Reparting Requirements Results: Fax   Paper	State TX  State	SPI_, Inc.  matrix to main of Custody Record  matrix to main of Custody Record  matrix to main of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain of Custody Record  process & Chain of Custody Record  matrix to main of Custody Record  process & Chain
DD DATE: TIME comp grab W=water S=soil O=oil A=ai SL=sludge E=encore X=other S=sludge E=encore X=other S=sludge E=encore X=other S=sludge S=soil O=oil A=ai SL=sludge S=soil O=oil A=ai SL=sludge S=encore X=other S=sludge S=soil O=oil A=ai SL=sludge S=encore X=other S=sludge S=encore X=other S=sludge	State TX  Laboratory remarks:  State TX  Laboratory remarks:  State TX  Laboratory remarks:  State TX  Laboratory remarks:  Laboratory remarks:  State TX  Laboratory remarks:  L	SPL, Inc.  Spl., Inc.  State TX  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  State TX  Lip Costs  Brail: 1/22 - 2006; 1 -
State TK  State TK  State TK  State TK  State TK  State TK  State TK  State TK  State TK  State TK  State TK  State TK  State Beatli you, pape & tetre Tkih.com  Fill Indicate Ph. 11/20  SAMPLE ID  DATE  TIME  Tomp grab  Water glass  Substate TK  Substa	Paic   Paic	SPL, Inc.    File   Tella   Te
State TK   Zip   State TK   Zip   State TK   Zip   State TK   Zip   State TK   Zip   State TK   Zip   State Zim   State TK   Zip   State Zim   State	Paic   Bay Some TX   Bay Some Bandling   Paic   P	SPI, Inc.  SPI, Inc.  State TX  State State TX  State State TX  State State TX  State State TX  State St
State TX   State TX	Part   Part	SPI, Inc.  SPI, Inc.  State Ti Zip Mark Record  Mark No. 14:575  Mark No.
State TX   Zp   Zp   Zp   Zp   Zp   Zp   Zp   Z	Control   Cont	SPI, Inc.  SPI, Inc.  SPI, Inc.  Philips Request & Chain of Custody Record  matrix bottle  Size 14:555  Middle Mid State TX  Exp. 1330  Same TX  Exp. 1355
State TX  Middland  State TX  Middland  State TX  Middland  State TX  Middland  State TX  Middland  State TX  Middland  State TX  Middland  State TX  Middland  Middla	State TX   State TX	SPL, Inc.  SPL, Inc.  SPL, Inc.  Particular Report & Chain of Custody Record  State Ty  State Booth  State Ty  State State
State TX  State St	Internation   Internation	SPL, Inc.  SPL, Inc.  SPL, Inc.  Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph.
State TX  State State TX  State State TX  State State TX  State St	me: Tetta Tech    1910 P   Bx Sinte Tx   Zip   27525   A   air is bottle     1811 P   182	SPI, Inc.  SPI, Inc.  Analysis Request & Chain of Custody Record  matrix bottle    1910   B.   55.11.   1910   B.   55.11.   1910   B.   55.11.   1910   B.   55.11.   1910   B.   55.11.   1910   B.   1910   B.   B.     1910   B.   B.   B.     1910   B.   B.   B.     1910   B.   B.   B.     1910   B.   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.   B.     1910   B.     1910   B.   B.     1910
State TX Zip State	me: Tettu Tich    1910 N By 5   192	SPL, Inc.  SPL, Inc.    Green   Control   Cont
State TX Zip State	me: Tettu Tuh    1910 N By Spring   State TX	Analysis Request & Chain of Custody Record    Grant
State TX Zip State	me: Tetta Tech    1910 N By Since TX	SPL, Inc.    Control   Con
State TX Zip State	me: Tettu Tich    1910   134   52   155     210   134   52   155     210   210   234   52   155     210   210   210   210     210   210   210   210     210   210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210   210     210   210     210   210     210   210	SPL, Inc.    SPL, Inc.     Analysis Represt & Chain of Custody Record     Analysis Represt & Chain of Custody Record     State   TX
State TX Zip State	me: Tetta Tech    1910   D.   D.   Shire   Shi	Analysis Represt & Chain of Custody Record    Frice   Frice   Frice   Frice   Frice     State   Tx   Zip   State   Tx   Zip   State   Tx     State   Tx   Zip   State   Tx   Zip   State   Tx   Zip   State   Tx     State   Tx   Zip   State   Tx   Zip   State   Tx     State   Tx   Zip   State   Tx   Zip   State   State   Tx     State   Tx   Zip   State   Tx   Zip   State   S
State TX Zip 2015 A and all since the state of the state	me: Tettu Tech    1910 N B. State TX Zip   2750-25   Ainter     2010	SPL, Inc.  Analysis Request & Chain of Custody Record  The first field of Custody Record  The field of Custody Record  The first field of Custody Record  Th
Middlew  State TX  State T	me: Tettu Tich    1910   134   51   52   52   53   54   54   54   54   54   54   54	me: Teffu Tech    Polic N   Bit Spring   State TX   Zip   State Tx
State TX Zip State	me: Tettu Tich    1910   134	Analysis Represt & Chain of Custody Record  Tettus Tock    1910   134, 55, inc.   1910   13
Mindland State TX Zip State TX = ail A = oil X	matrix bottle state TX State T	Analysis Represt & Chain of Custody Record  Tettus Tock    1910   134   50   115   1
N: (473) 682-4557 (432) 662-8081 and Act of as the state of the state		SPL, Inc.  Analysis Request & Chain of Custody Record  Teffu Tack  Inc.
Might State TX Zip 27505 Anthe vial	me: Tettu Tub.  1910 N By State TX Zip 1975 A State of The State of TX	SPL, Inc.  Analysis Request & Chain of Custody Record  matrix bottle of Custody Record  I follow By Spring  Nordland  State TX  State TX  Tip 1975-55  A Control of Custody Record
1910 N BL 65.11	me: Tettu Tick matrix bottle	SPL, Inc.  Analysis Request & Chain of Custody Record  matrix bottle  1410 N 3, 5,
	Tettu Tich matrix bottle	SPI, Inc.  Analysis Request & Chain of Custody Record  Matrix bottle



Phone: (713) 660-0901 Fax: (713) 660-8975

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		tory:	ived by Laboratory:	ved by	6. Recei		5/2 Sim	) ()	200	date		-	shed by:	5. Relinquished by:	Rush TAT requires prior notice
			••	ived by:	4. Recei		time	=	•	date			Kelfnquished by:	3. Kelingu	A DUSINGS (78)
				ved by:	2. Recei	- 12	1,30	time	6.13	date 4/25/10	٨	Hony Tissed th	Sample	1. Relipqu	Standard
			1						LA RÉCAP	<b>-</b>	TX TREE	1 22	Standard QC Level 3 QC L	Standard (	Kequested IAI  1 Business Day  Contract
2/21/23/	<b>⊣</b> ≍	analysis reservations	٠. ا	(conso		dection	Special Desertion Limits (specify).			; -		nts Results:	Special Reporting Requirements	Special Re	
N AZ	Intact?						,			narks:	Laboratory remarks:	1.9			Client/Consultant Remarks:
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		BRU	GRU	131EX	Numbe	1=HC1 3=H2S	1=1 lit 8=8oz	P=plas G=gla	W=wa SL=si	grab	comp	Ph: TIME	DATE	·	GANG PKI
		\$00 \$00		~~~~	er of (	1 304	er 4 16=1		ater S					Linction	Site Name: Fast Hobbs Li
					Cont	2=H X=0	=40 60z		=soi E=c					85	0:: 1/4
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Requested Analysis	sted A	eque	75	-		pres.	S77.0	Silter	air E						me: liffa
Z of 7	page		040617	040	HIO	J'						ord	Analysis Request & Chain of Custody Record	tequest & C	
	e iq					T							SPL, Inc.	SPI	1001
• ;	j.		ş	nder	SP1. Workarder No.	175									



11

Client Name: Tetra. Tetra.  Address: PA10 N Bas 55:11-5  City Middend State TX  PhonePax: (432) LE2-4554 (432) LEC - 806.  Client Contact: Grey, Pepe Email: 4122  Project NameNo.: 114-(44004) E's  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Site Location: Leb bs Location  Leb bs Location  Let 27/10  Let 27/10  Let 27/10  Al 27/10  A	Spring   State   TX   Zip   7570     24554	Spring   State   TX   Zip   F4705     24   State   TX   Zip   F4705     24   Email: give, pap   & firu frelicent     25   Email: give, pap   & firu frelicent     26   Email: give, pap   & firu frelicent     27   &                 28                         3	Spires   State   TX   Zip   7570.5    -4557
State TX (432) L&C - &C.6.  Email: qies  Ema	TIME TIME TIME TIME TIME TIME TIME TIME	TIME comp grab    50.5   X   X     50.5   X     150.5   X	TIME comp grab  Signature for Properties  Try Parish Results: For Properties  Try Parish Results: For Properties  Try Parish American Properties  Try Properti
	TIME TIME TIME TIME TIME TIME TIME TIME	TIME comp grab    152.5   X   152.5   X   152.5   X   153.5   TX TREP   LA   Laboratory remarks:   Results:   Fax   Pmail   Care   A oc   TX TREP   LA   A oc   TX TREP   LA   A oc   TX TREP   LA   A oc   TX TREP   LA   A oc   A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc   A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc     A oc   A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc   A oc     A oc   A oc     A oc   A oc     A oc   A oc     A oc   A oc     A oc   A oc     A oc   A oc     A oc   A oc     A oc   A oc     A oc     A oc   A oc     A oc	TIME comp grab  Size Comp grab  W=water S=soil O=oil A=air and SL=sludge E=encore X=other rix  And the date of the size A=amber glass  P=plastic A=amber glass  P=plastic A=amber glass

Report ID: H10040617\_6159 Printed: 05/13/2010 16:35

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

Intact? Ice? Temp:

(initial):

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2027 10

8015

300.0

Requested Analysis

page

2

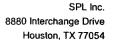
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Phone: (713) 660-0901 Fax: (713) 660-8975

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H10040617 page 4		Zip 31205	SPL, Inc.  Lect & Chain of Custody Record  State Th. Zip File State A. c.  (432) LEL 8061  Email: Grey prov White tech. c.  Ph:  DATE TIME comp  4/28/10 0806



Phone: (713) 660-0901 Fax: (713) 660-8975

Phone/Fax: (433) LEZ-Site Name: Client/Consultant Remarks: Invoice To: Site Location: Project Name/No.: Client Name: Rush TAT requires prior notice 3 Business Days 2 Business Days U Business Day ddress: Other. MW-14 スモーエ MW-18 **Requested TAT** ☐ 8880 Interchange Drive Houston, TX 77054 (713) 660-0901 MW-13 Mid and <u>₹</u>10 C 62:01 C SAMPLE ID Carry 1516 114- CHO OHES 2 Hobbs  $\boxtimes$ Ph://:25 Contract <u>ک</u> پز Standard Analysis Request & Chain of Custody Record -1551 والمادوانون Special Reporting Requirements Results: 5. Relinquished by: 1. Relinquished by Sampler: Standard QC Level 3 QC Level 4 QC L SPL, Inc. (432) L&L 8081 quished by: 4/26/10 2 2 126/10 /z.e/10 DATE 125/10 Email: girg. pope & teleatech corn Į, 252 300 0830 6775 TIME 1. year th 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775 Laboratory remarks: 75705 TX TRRP LA RECAP ž L Simp Email C PDF C grab 45/14 date W=water S=soil O=oil A=air \( \frac{1}{2} \)
SL=sludge E=encore X=other \( \frac{1}{2} \) ć  $\mathcal{E}$ 2 bottle P=plastic G=glass A=amber glass V=vial X=other な  $\rightarrow$ Œ, Ū D Special Detection Limits (specify): fine 1130 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other 9 Ö size 20 ક દ 40 દ £ 5 <u>\_</u> 1=HC1 2=HNO3 3=H2SO4 X=other pres. ҈×. × SPL Workorder No. 6. Received by Laboratory: 4. Received by: 2. Received by: N N Number of Containers ~ 10040617 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777 13TEX 8021 メ × G20 8015 × Requested  $\times$ × × 8015 × DRO ~ × × 300.0 CI Intact? Temp: Analysis 293780 101 PM'review ٢ 2 (imital):

Report ID: H10040617\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

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Phone: (713) 660-0901 Fax: (713) 660-8975

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Phone: (713) 660-0901 Fax: (713) 660-8975

# **Certificate of Analysis**

August 13, 2010

Workorder: H10070767

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 **Project: East Hobbs Junction** 

Project Number: East Hobbs Junction / 114-6500606

Site: Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 87 Pages

**Excluding Any Attachments** 

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

August 13, 2010

Workorder: H10070767

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 **Project: East Hobbs Junction** 

Project Number: East Hobbs Junction / 114-6500606

Site: Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-1

#### 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.

Lab received a second Trip Blank not listed on the COC. The lab logged in the Trip Blank for analysis.

#### 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.

Purgeable Aromatics, Method 8021:

Your sample ID "Dup #1" (SPL ID: H10070767021) was randomly selected for use in SPL's quality control program for Batch ID GCVW/1923. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Benzene 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.

Diesel Range Organics, Method 8015:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID: EXTO/2045. 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)

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

August 13, 2010

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Workorder: H10070767

**Project: East Hobbs Junction** 

Project Number: East Hobbs Junction / 114-6500606

Site: Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-1

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 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, Senior Project Manager

Enclosures

Report ID: H10070767\_6159

Printed: 08/13/2010 17:35

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Phone: (713) 660-0901 Fax: (713) 660-8975

# **SAMPLE SUMMARY**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time / Received
H10070767001	MW-21	Water		7/27/2010 12:25	7/29/2010 09:00
H10070767002	MW-16	Water		7/27/2010 12:38	7/29/2010 09:00
H10070767003	MW-20	Water		7/27/2010 13:00	7/29/2010 09:00
H10070767004	MW-25	Water		7/27/2010 13:13	7/29/2010 09:00
H10070767005	MW-24	Water		7/27/2010 13:23	7/29/2010 09:00
H10070767006	MW-15	Water		7/27/2010 13:43	7/29/2010 09:00
H10070767007	MW-4	Water		7/27/2010 14:00	7/29/2010 09:00
H10070767008	MW-5	Water		7/27/2010 14:13	7/29/2010 09:00
H10070767009	MW-26	Water		7/28/2010 07:20	7/29/2010 09:00
H10070767010	MW-27	Water		7/28/2010 07:38	7/29/2010 09:00
H10070767011	MW-23	Water		7/28/2010 07:55	7/29/2010 09:00
H10070767012	MW-22	Water		7/28/2010 08:12	7/29/2010 09:00
H10070767013	MW-13	Water		7/28/2010 08:22	7/29/2010 09:00
H10070767014	MW-19	Water		7/28/2010 08:30	7/29/2010 09:00
H10070767015	MW-14	Water		7/28/2010 09:05	7/29/2010 09:00
H10070767016	MW-18	Water		7/28/2010 09:20	7/29/2010 09:00
H10070767017	MW-12	Water		7/28/2010 09:34	7/29/2010 09:00
H10070767018	SVE-10	Water		7/28/2010 09:50	7/29/2010 09:00
H10070767019	MW-11	Water		7/28/2010 10:03	7/29/2010 09:00
H10070767020	MW-6	Water		7/28/2010 10:20	7/29/2010 09:00
H10070767021	Dup #1	Water		7/27/2010 00:00	7/29/2010 09:00
H10070767022	Dup #2	Water		7/28/2010 00:00	7/29/2010 09:00
H10070767023	Trip Blank	Water		7/28/2010 11:00	7/29/2010 09:00
H10070767024	Trip Blank #2	Water		7/27/2010 00:00	7/29/2010 09:00

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767001

Date/Time Received: 7/29/2010 09:00

Matrix:

DF

200

Water

Sample ID: MW-21

Date/Time Collected: 7/27/2010 12:25

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 - EPA 300 0 on 07/30/2010 01:31 by CFS

Results

mg/l Qual

MDL

Batch Information

Parameters;

Chloride

1020

Report Limit 100

25.2

Prep, Analysis

1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:29 by NMM

Analytical Batches:

Batch: 1817 SW-846 8015B DRO LVI on 08/04/2010 08:19 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL	DF Re	Batch Info gLmt Prep	Contraction of the Contraction o
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	58.8 %	10-185		1	2044	1817

## **VOLATILES**

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1930 SW-846 8021B on 08/04/2010 00:39 by JWS

	Results				Batch Information
Parameters : A * 12 * 12 * 12	ug/I Qual	Report Limit	MDL	DF RegL	mt Prep Analysis
Benzene	ND	1.0	0.32	1	1930
Ethylbenzene	ND	1.0	0.22	1	1930
Toluene	· ND	1.0	0.15	1	1930
m,p-Xylene	ND	1.0	0.12	1	1930
o-Xylene	ND	1.0	0.21	1	1930
Xylenes, Total	ND	1.0	0.12	1	1930
1,4-Difluorobenzene (S)	96.7 %	70-130		1	1930
4-Bromofluorobenzene (S)	104 %	70-130	•	1	1930
Preservation pH	<2		•	1	1930

#### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches: Batch: 1898 SW-846 8015B GRO Gas on 08/04/2010 00:39 by NNM

Batch Information Results Report Limit mg/J Qual MDL RegLmt Prep \* Analysis **Parameters** DF ...

Report ID: H10070767\_6159

Printed: 08/13/2010 17:35

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Phone: (713) 660-0901 Fax: (713) 660-8975

# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767001

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-21

Date/Time Collected: 7/27/2010 12:25

Parameters	Results Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1898
1,4-Difluorobenzene (S)	94.1 %	60-155		1			1898
4-Bromofluorobenzene (S)	100 %	50-158		1			1898

Report ID: H10070767\_6159

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Phone: (713) 660-0901 Fax: (713) 660-8975

1400

#### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction

Lab ID: H10070767002 Date/Time Received: 7/29/2010 09:00 Matrix: Water

Sample ID: MW-16 Date/Time Collected: 7/27/2010 12:38

**WET CHEMISTRY** 

Chloride

Analysis Desc: EPA 300:0 Analytical Batches:

Batch: 1400 i EPA 300:0 on 07/30/2010:01:48 by CFS:

Results Batch Information

Parameters mg/l Qual Report MDL DF Regumt Prep Analysis

10.0

2.52

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8021B

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:29 by N\_M

Analytical Batches:

Batch: 1817 SW-846 8015B DRO LVI on 08/04/2010 09:03 by NDW

140

Parameters	Results mg/l Qual	Report Limit	MDL	DF Regt	Batch∜Infor _mt Prep A	
Diesel Range Organics(C10-C28)	0.25	0.050	0.012	1	2044	1817
n-Pentacosane (S)	87.8 %	10-185		1	2044	1817

SW-846 5030Analytical Batches:

### **VOLATILES**

Batch: 1900 SW-846 8021B on 08/04/2010 03:28 by NNM Results Batch Information ug/j Qual : Report Limit Parameters, Prep Analysis MDL DF RegLmt Benzene ND 0.32 1.0 1900 Ethylbenzene ND 1.0 0.22 1900 Toluene ND 0.15 1900 1.0 m,p-Xylene ND 1.0 0.12 1900 o-Xylene ND 1.0 0.21 1900 Xylenes, Total ND 0.12 1900 1.0 1,4-Difluorobenzene (S) 97.5 % 70-130 1900 4-Bromofluorobenzene (S) 103 % 70-130 1900 Preservation pH <2 1900

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas
SW-846 8015B GRO GasAnalytical Batches:
Batch: 1902 SW-846 8015B GRO Gas on 08/04/2010 03:28 by NNM

Results
Batch: Information
Parameters
MDL DF: RegLmt: Prep Analysis

Report ID: H10070767\_6159



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# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767002

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-16

Date/Time Collected: 7/27/2010 12:38

Parameters	Results Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1902
1,4-Difluorobenzene (S)	93.9 %	60-155		1			1902
4-Bromofluorobenzene (S)	101 %	50-158		1			1902

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767003

Date/Time Received: 7/29/2010 09:00

Water

Sample ID: MW-20

Date/Time Collected: 7/27/2010 13:00

**WET CHEMISTRY** 

Analysis Desc. EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300:0 on 07/30/2010 02:05 by CFS

Results

Batch Information

**Parameters** 

mg/I Qual & Report Limit

MDL

. Prep∵∗Analysis

Chloride

10.0

2.52

1400

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:29 by N M

"Analytical Batches:

Batch: 1817. SW-846 8015B DRO LVI on 08/04/2010 09:46 by NDW

Parameters/ 1	Results mg/l: Qual	Report Limit	_MDL_	DF RegL	Batch Infor mt Prep A	mation inalysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	48 2 %	10-185		1	2044	1817

### **VOLATILES**

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1900 SW-846 8021B on 08/04/2010 03:57 by NNM

	Results				Batch Information
Parameters > .		Report Limit	MDL	DF Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1.	1900
Ethylbenzene	. ND	1.0	0.22	1	1900
Toluene	ND	1.0	0.15	1	1900
m,p-Xylene	ND	1.0	0.12	1	1900
o-Xylene	· ND	1.0	0.21	1	1900
Xylenes, Total	ND	1.0	0.12	1	1900
1,4-Difluorobenzene (S)	97.7 %	70-130		. 1	1900
4-Bromofluorobenzene (S)	105 %	70-130		1	1900
Preservation pH	<2			1	1900

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1902: SW-846,8015B GRO Gas on 08/04/2010 03:57 by NNM

Results

mg/l. Qual Report Limit

MDL

RegLmt

Batch Information Prep Analysis

Report ID: H10070767\_6159

**Parameters** 

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767003

Date/Time Received: 7/29/2010 09:00

Water

Matrix:

Sample ID: MW-20

Date/Time Collected: 7/27/2010 13:00

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1902
1,4-Difluorobenzene (S)	94.1 %		60-155		1			1902
4-Bromofluorobenzene (S)	100 %		50-158		1			1902

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767004

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-25

Date/Time Collected: 7/27/2010 13:13

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300.0 on 07/30/2010 02:22 by CFS

Results 🐇 mg/l. Qual. **Parameters** 

**Batch Information** Report Limit MDL

Prep Analysis

Chloride

126

10.0

2.52

1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2044. SW-846 8015B DRO LVI on 07/30/2010 14:29 by N M

Analytical Batches:

Batch: 1817: SW-846-8015B DRO LVI on 08/04/2010 10:29 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL	DF RegL	Batch Infor mt Prep A	mation nalysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	50.7 %	10-185		1	2044	1817

# **VOLATILES**

Analysis Desc. SW-846 8021B	5030Analytical Batches:
5	000 SIN 846 8031B on 08/04/201/

	Results				Batch Information
Parameters :	ug/l Qual	Report Limit	MDL.	DF Re	jLmt Prep Analysis
Benzene	ND	1.0	0.32	1	1900
Ethylbenzene	ND	1.0	0.22	1	1900
Toluene	, ND	1.0	0.15	1	1900
m,p-Xylene	ND	1.0	0.12	1	1900
o-Xylene	ND	1.0	0.21	1	1900
Xylenes, Total	ND	1.0	0.12	1	1900
1,4-Difluorobenzene (S)	97 %	70-130		1	1900
4-Bromofluorobenzene (S)	104 %	70-130	,	1	1900
Preservation pH	<2			1	1900

#### Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO GasAnalytical Batches:

Batch: 1902 SW-846 8015B GRO Gas on 08/04/2010 04:25 by NNM

Results mg/| Qual

Report Limit

MDL

RegLmt

Batch Information Prep Analysis

Report ID: H10070767\_6159

Parameters:

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767004

Date/Time Received: 7/29/2010 09:00

Matrix: Water

Sample ID: MW-25

Date/Time Collected: 7/27/2010 13:13

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1902
1,4-Difluorobenzene (S)	94.5 %		60-155		1			1902
4-Bromofluorobenzene (S)	101 %		50-158		1			1902

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

2044

1817

Lab ID: H10070767005

Date/Time Received: 7/29/2010 09:00

Water

Matrix:

Sample ID: MW-24

Date/Time Collected: 7/27/2010 13:23

10-185

144		^ 1		107	
W	E I	ιн	EM	151	RY

	nalytical Batches: atch: 1400 EPA 300:0 or Results .mg/l Qual	07/30/2010 03:13			Batch Information gEmt Prep Analysis
Chloride	257	10.0	2.52	20	1400

## Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Batch: 2044 / SW-846 8015	B DRO LVI on 0	7/30/2010 14	1:29 by N_M		
	Analytical Batches:					
	Batch: 1817, SW-846 8015	B DRO LVI on 08	3/04/2010 1:	1:12 by NDW		
	Results				Batch Info	0502916603661660
Parameters	mg/l Qual	Report Limit	MDL	DF: RegLm	it Prep /	\nalysis.
Diesel Range Organics(C10-C28)	0.30	0.050	0.012	1	2044	1817

VOLATILES

n-Pentacosane (S)

Analysis Desc: SW-846 80	121R	SW-846 5030Analy	ical Ratches:	
		B 1 1 1000 01110	valana i e	
		Batch: 1926 SVV-8	46 8021B on 08/09/20	10 20:28 by JWS DF ≡ 1:
	A CONTRACTOR OF THE PARTY OF TH	Ratch: 1038 " SW-8	46 8021 B on 08/10/20	10 17:17 by JWS DE = 1:
		Daton. 1000 OW-0	40,002 ID 01100/10/20	IO IA. IA DY DAYO DI = I.

68.7 %

	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF RegL	mt Prep Analysis
Benzene	3.2	1.0	0.32	1	1938
Ethylbenzene	7.6	1.0	0.22	1	1938
Toluene	ND	1.0	0.15	1	1926
m,p-Xylene	ND	1.0	0.12	1	1938
o-Xylene	ND	1.0	0.21	1	1926
Xylenes, Total	. ND	1.0	0.12	1	1938
1,4-Difluorobenzene (S)	102 %	70-130		1	1926
1,4-Difluorobenzene (S)	103 %	70-130	i	1	1938
4-Bromofluorobenzene (S)	102 %	70-130		1	1926
4-Bromofluorobenzene (S)	104 %	70-130		1	1938
Preservation pH	<2			1	1926

Gasoline Range Organics (GRO)

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID: H10070767005

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-24

Date/Time Collected: 7/27/2010 13:23

Analysis Desc: SW-846 8015B GRO Gas Analytical Batches:

Batch: 1936 SW-846 8015B GRO Gas on 08/10/2010 17:17 by NNM

Parameters	Results a mg/l	Qual	Report Limit	MDL.	DF Re	Batch Information glamt Prep: Analysis
Gasoline Range Organics	0.37		0.10	0.017	1	1936
1,4-Difluorobenzene (S)	21.2 %	*	60-155		1	1936
4-Bromofluorobenzene (S)	21.2 %	*	50-158		1	1936

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767006

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-15

Date/Time Collected: 7/27/2010 13:43

**WET CHEMISTRY** 

Parameters<sub>\*</sub>

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300 0 on 07/30/2010 03:30 by CFS

Results

mg/I: Qual Report Limit

MDL

DE RegLmt Batch Information

Prep ⊫ Analysis

1400

190 Chloride 10.0 2.52 20

Diesel Range Organics (DRO)

Analysis Desc: SW-846 80158 DRO LVI

Preparation Batches: \*\*\*

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:30 by N. M.

**Analytical Batches:** 

Batch: 1817 SW-846 8015B DRO LVI on 08/04/2010 11:54 by NDW

	Results mg/l; Qual:					
Diesel Range Organics(C10-C28)	1.9	0.050	0.012	1	2044	1817
n-Pentacosane (S)	65.2 %	10-185		1	2044	1817

Analysis: Desc: SW-846,8021B SW-846,5030Analytical Batches:

# **VOLATILES**

	Batch::1932 SW-846:802	21B on 08/04/2010	21:20 by J	WS	
	Results				Batch Information
Parameters:	ug/j. Qual	Report Limit	MDL .	DF F	RegLimt Prep Analysis
Benzene	ND	1.0	0.32	1	1932
Ethylbenzene	ND	1.0	0.22	1	1932
Toluene	ND	1.0	0.15	1	1932
m,p-Xylene	ND	1.0	0.12	<u>,</u> 1	1932
o-Xylene	ND	1.0	0.21	1	1932
Xylenes, Total	ND	1.0	0.12	1	1932
1,4-Difluorobenzene (S)	97.3 %	70-130		1	1932
4-Bromofluorobenzene (S)	104 %	70-130		1	1932
Preservation pH	<2	•		.1	1932

#### Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1922 SW-846 8015B GRO Gas on 08	3/04/2010 21:20 by JWS
	Results	Batch Information
Parameters	4 Qual Panort Limit	MDL DF RegLmt Prep Analysis
Falalietos	mg/i Quai Report Cirille	. MDL DI REGLIII FIEP Alialysis
Account of the Lord of the Control o		

Report ID: H10070767\_6159

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# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767006

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-15

Date/Time Collected: 7/27/2010 13:43

	Results					Batch Ir	nformation
Parameters	Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1922
1,4-Difluorobenzene (S)	93.7 %	60-155		1			1922
4-Bromofluorobenzene (S)	104 %	50-158		1			1922

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction

Lab ID: H10070767007 · Date/Time Received: 7/29/2010 09:00 Matrix: Water

Sample ID: MW-4 Date/Time Collected: 7/27/2010 14:00

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0 Analytical Batches: Batch: 1400 EPA 300.0 on 07/30/2010 03:47 by CFS Results Batch Information Parameters mg/l Qual MDL DF RegLmt Prep Analysis Report Limit Chloride 63.1 5.00 1.26 10 1400

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:30 by N\_M

Analytical Batches:

Batch: 1817 SW-846 8015B DRO LVI on 08/04/2010 12:36 by NDW

Parameters	Results mg/I Qual		MDL.	DF Re	Batch Info egEmt Prep	Charles Conserved to Carlo
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	60.2 %	10-185	•	1	. 2044	1817

#### **VOLATILES**

Analysis Desc: SW-846 80218	SW-846 5030Analytical B				27.1
	Batch: 1932 SW-846 80	21B on 08/04/2010	21:49 by ປ	WS	
	Results	Report Limit	MDI	DE Don	Batch Information
Parameters	ug/l Qual	Report Limit	MDE.	, ur keg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	1932
Ethylbenzene	ND	1.0	0.22	1	1932
Toluene	ND	1.0	0.15	1	1932
m,p-Xylene	ND	1.0	0.12	1	1932
o-Xylene	ND	1.0	0.21	1 .	1932
Xylenes, Total	ND	. 1.0	0.12	1	1932
1,4-Difluorobenzene (S)	97.5 %	70-130		1	1932
4-Bromofluorobenzene (S)	104 %	70-130		1	1932
Preservation pH	<2			1	1932

#### Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:
	Batch: 1922 SW-846 8015B GRO Gas;on 08/04/2010 21:49 by JWS
	Results Batch information
Parameters	mg/I Qual Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767007

Date/Time Received: 7/29/2010 09:00

0 Matrix:

Water

Sample ID: MW-4

Date/Time Collected: 7/27/2010 14:00

Parameters	Results Qua	I Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1922
1,4-Difluorobenzene (S)	94.4 %	60-155		1			1922
4-Bromofluorobenzene (S)	100 %	50-158		1			1922

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

H10070767008

Project Number: East Hobbs Junction /

Lab ID:

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-5

Date/Time Collected: 7/27/2010 14:13

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300 0 on 07/30/2010 04:38 by CFS

Results

Batch Information

Parameters:

mg/I Qual Report Limit

MDL DF.

10

Prep Analysis

Chloride

64.1

5.00

1.26

RegLmt

1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:30 by N° M

Analytical Batches:

Batch: 1817. SW-846 8015B DRO LVI on 08/04/2010 16:47 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL		Batch Infor Lmt Prep A	
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	63 %	10-185		1	2044	1817

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	ches:				
	Batch: 1932 SW-846 802	B on 08/04/2010	22:17 by J	ws	4.7	
	Results	100			В	atch Information
Parameters	ug/I Qual	Report Limit	MDL	DF R	egLmt 🔻 📜	Prep Analysis
Benzene	ND	1.0	0.32	1	entitie (MET) Der Seine State State (Seine Seine Seine Seine Seine Seine Seine Seine Seine Seine Seine Seine S	1932
Ethylbenzene	ND	1.0	0.22	1		1932
Toluene	ND	1.0	0.15	1	•	1932
m,p-Xylene	ND	1.0	0.12	1		1932
o-Xylene	ND	1.0	0.21	1		1932
Xylenes, Total	ND	1.0	0.12	1		1932
1,4-Difluorobenzene (S)	98.8 %	70-130		1		1932
4-Bromofluorobenzene (S)	106 %	70-130		1		1932
Preservation pH	<2			1		1932

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B G	RO Gas SW-846 8015B GRO GasAnalytical Batches:
A. C. C. C. C. C. C. C. C. C. C. C. C. C.	Batch: 1922 SW-846 8015B GRO Gas on 08/04/2010 22:17 by JWS
	Position 1
	Results Batch Information
Parameters :	mg/l, Qual - Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767008

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-5

Date/Time Collected: 7/27/2010 14:13

Parameters	Results Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1922
1,4-Difluorobenzene (S)	95.5 %	60-155		1			1922
4-Bromofluorobenzene (S)	100 %	50-158		1			1922

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### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction

Lab ID: H10070767009 Date/Time Received: 7/29/2010 09:00 Matrix: Water

Sample ID: MW-26 Date/Time Collected: 7/28/2010 07:20

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0 Analytical Batches:

Batch::1400" EPA 300.0 on 07/30/2010 04:55 by CFS

Results Batch Information

Parameters Qual Report Limit MDL DF RegLimt Prep Analysis

Chloride 136 5.00 1.26 10 1400

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI. Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:30 by NEM.

Analytical Batches:

Batch: 1817. SW-846 8015B DRO LVI on 08/04/2010 17:28 by NDW

Results **Batch Information** mg/] Qual **Parameters** Report Limit MDL Prep Analysis DF RegLmt Diesel Range Organics(C10-C28) ND 0.050 0.012 2044 1817 n-Pentacosane (S) 62.8 % 10-185 2044 1817

**VOLATILES** 

Analysis Desc: SW-846/8021B SW-846/5030Analytical Batches:

Batch: 1932 SW-846 8021B on 08/05/2010 02:52 by JWS

Results Batch Information **Parameters** ug/l Qual Report Limit Prep Analysis MDL DF RegLmt. Benzene ND 1.0 0.32 1932 Ethylbenzene ND 1.0 0.22 1932 Toluene ND 1.0 0.15 1932 m,p-Xylene ND 1.0 0.12 1932 o-Xylene ND 1.0 0.21 1932 Xylenes, Total ND 1.0 0.12 1932 1,4-Difluorobenzene (S) 96.5 % 70-130 1932 4-Bromofluorobenzene (S) 103 % 70-130 1932 Preservation pH <2 1932

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1922 SW-846 8015B GRO Gas on 08/05/2010 02:52 by JWS

Results Batch Information

Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10070767\_6159



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# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

Sample ID: MW-26

H10070767009

Date/Time Received: 7/29/2010 09:00

010 09:00 Matrix:

Water

Date/Time Collected: 7/28/2010 07:20

Parameters	Results Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND	0.10	0.017	1	`		1922
1,4-Difluorobenzene (S)	94.3 %	60-155		1			1922
4-Bromofluorobenzene (S)	100 %	50-158		1			1922

Report ID: H10070767\_6159

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## ANALYTICAL RESULTS

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767010

Date/Time Received: 7/29/2010 09:00

Matrix: Water

Date/Time Collected: 7/28/2010 07:38

WFT		

Sample ID: MW-27

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1400 EPA-300:0 on 07/30/2010 05:12 by GFS

Results Batch Information mg/I ©Qual Report Limit Prep / Analysis MDL DF RegLmt Parameters: 130 5.00 1.26 10 Chloride

#### Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:30 by NMM

Analytical Batches:

Batch: 1817 SW-846 8015B DRO LVI on 08/04/2010 18:10 by NDW

Parameters	Results : mg/lj Qual	Report Limit	MDL	DF Regl	Batch Infor mt Prep A	mation: nalysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	65.9 %	10-185		1	2044	1817

### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	tches:	
	Batch: 1932 SW-846 802	1B on 08/05/2010 03:21 by JWS	
	Results		Batch Information
Parameters		Report Limit MDL DI	RegLmt, Prep Analysis
Faidilleleis	ug/j, Quai	Report Limit MDL DI	Vedruit Lieh Viigiasi

Parameters	ug/I Qual	Report Limit	MDL	DF RegLmt.	Prep Analysis
Benzene	ND	1.0	0.32	1	1932
Ethylbenzene	ND	1.0	0.22	1	1932
Toluene	ND	1.0	0.15	1	1932
m,p-Xylene	ND	1.0	0.12	1	1932
o-Xylene	ND	1.0	0.21	1	1932
Xylenes, Total	ND	1.0	0.12	1	1932
1,4-Difluorobenzene (S)	97.2 %	70-130		1	1932
4-Bromofluorobenzene (S)	104 %	70-130		1 .	1932
Preservation pH	<2			1	1932

## Gasoline Range Organics (GRO)

SW-846 8015B GRO GasAnalytical Batches: Analysis Desc: SW-846 8015B GRO Gas

Batch: 1922 SW-846 8015B GRO Gas on 08/05/2010 03:21 by JWS

Results Batch Information mg/l Qual Report Limit : Prep : Analysis Parameters: SDF. RegLmt

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767010

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-27

Date/Time Collected: 7/28/2010 07:38

Parameters	Results Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND	0.10	0.017	1			1922
1,4-Difluorobenzene (S)	94.4 %	60-155		1			1922
4-Bromofluorobenzene (S)	100 %	50-158		1			1922

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Water

Lab ID:

H10070767011

Date/Time Received: 7/29/2010 09:00

Sample ID: MW-23

Date/Time Collected: 7/28/2010 07:55

**WET CHEMISTRY** 

Analysis Desc: EPA:300.0

Analytical Batches:

Batch: 1400 EPA 300.0 on 07/30/2010 05:29 by CFS

Results

Batch Information mg/I Qual Report Limit MDL DF

10

Matrix:

**Parameters** Chloride

56.6

5.00

1.26

Prep Analysis

1400

Diesel Range Organics (DRO)

Analysis Desc. SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2044 SW-846 8015B DRO LVI on 07/30/2010 14:30 by N\_M

Analytical Batches:

Batch: 1817 SW-846 8015B DRO LVI on 08/04/2010 18:51 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL	DF Reg	Batch Infor Emt Prep A	
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2044	1817
n-Pentacosane (S)	34.4 %	10-185		1	2044	1817

#### **VOLATILES**

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1932 SW-846 8021B on 08/05/2010 04:45 by JWS

	Results				Batch Information
Parameters a	ug/I Qual	Report Limit	MDL	DF RegL	mt Prep Analysis
Benzene	ND	1.0	, 0.32	1	1932
Ethylbenzene	ND	1.0	0.22	1	1932
Toluene	ND	1.0	0.15	1	1932
m,p-Xylene	ND	1.0	0.12	1	1932
o-Xylene	ND	1.0	0.21	1	1932
Xylenes, Total	ND	1.0	0.12	1	1932
1,4-Difluorobenzene (S)	96.6 %	70-130		1	1932
4-Bromofluorobenzene (S)	104 %	70-130		1	1932
Preservation pH	<2			1	1932

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 80158 GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1922 SW-846 8015B GRO Gas on 08/05/2010 04:45 by JWS

Results

mg/I Qual

Report Limit

RegLmt?

Batch Information <sup>®</sup> Prep ∴ Analysis

Report ID: H10070767\_6159

**Parameters** 

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767011

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-23

Date/Time Collected: 7/28/2010 07:55

	Results						Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	 ND		0.10	0.017	1			1922
1,4-Difluorobenzene (S)	94 %		60-155		1			1922
4-Bromofluorobenzene (S)	100 %		50-158		1			1922

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

H10070767012

Project Number: East Hobbs Junction /

Lab ID:

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-22

Date/Time Collected: 7/28/2010 08:12

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300.0 on 07/30/2010 05:46 by CFS

Results Batch Information
Parameters MDL DF RegLimit Prep Analysis

Chloride 86.2 5.00 1.26 10 1400

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2045 SW-846 8015B DRO EVI on 07/30/2010 15:27 by N.M.

Analytical Batches:

Batch: 1816 SW-846 8015B DRO LVI on 08/04/2010 19:33 by NDW

Parameters	Results: ; mg/l : Qual : Re	eport Limit	MDL	DF Re	Batch Inforg gLmt 4 Prep A	
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2045	1816
n-Pentacosane (S)	59.9 %	10-185		1	2045	1816

#### **VOLATILES**

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1932 SW=846 8021B on 08/05/2010 04:17 by JWS

	Results	i di s			Batch Information
Parameters	ug/l Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	1932
Ethylbenzene	ND ND	1.0	0.22	. 1	1932
Toluene	ND	1.0	0.15	1	1932
m,p-Xylene	ND	1.0	0.12	1	1932
o-Xylene	ND	1.0	0.21	1	1932
Xylenes, Total	ND	1.0	0.12	1	1932
1,4-Difluorobenzene (S)	97.5 %	70-130		1	1932
4-Bromofluorobenzene (S)	104 %	70-130		1	1932
Preservation pH	<2		:	1	1932

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO GasAnalytical Batches:

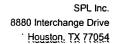
Batch: 1922 SW-846 8015B GRO Gas on 08/05/2010 04:17 by JWS

Results Batch Information
Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

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E##: 1343) EPPENY

## ANALYTICAL RESULTS

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767012

Date/Time Received: 7/29/2010 09:00

0 09:00 Matrix:

Water

Sample ID: MW-22

Date/Time Collected: 7/28/2010 08:12

Parameters	Results	Qual Report	Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1922
1,4-Difluorobenzene (S)	94 %	60	)-155		1			1922
4-Bromofluorobenzene (S)	101 %	50	-158		1			1922

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction

Lab ID: H10070767013 Date/Time Received: 7/29/2010 09:00 Matrix: Water

Sample ID: MW-13 Date/Time Collected: 7/28/2010 08:22

**WET CHEMISTRY** 

Analysis Desc. EPA 300:0 Analytical Batches:

Batch::1400 EPA 300:0 on 07/30/2010 06:37 by CFS

Results Batch Information
Parameters MDL DF RegLmt Prep Analysis

Chloride . 70.9 5.00 1.26 10 1400

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 2045; SW-846 8015B DRO LVI on 07/30/2010 15:27 by N M

Analytical Batches:

Batch: 1816 SW-846 8015B DRO LVI on 08/04/2010 20:13 by NDW

Results Batch Information mg/j Qual Report Limit DF **Parameters** MDL. RegLmt. Prep Analysis Diesel Range Organics(C10-C28) 0.012 0.050 2045 1816 n-Pentacosane (S) 70.5 % 10-185 2045 1816

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1906 SW-846 8021B on 08/05/2010 07:33 by NNM

	Results				Batch Information
Rarameters		Report Limit	MDL	DF Rec	gLmt Prep Analysis
Benzene	ND	1.0	0.32	1	1906
Ethylbenzene	. ND	1.0	0.22	1	1906
Toluene	ND	1.0	0.15	1	1906
m,p-Xylene	ND	1.0	0.12	1	1906
o-Xylene	ND	1.0	0.21	1	1906
Xylenes, Total	ND	1.0	0.12	1	1906
1,4-Difluorobenzene (S)	97.8 %	70-130		1	1906
4-Bromofluorobenzene (S)	104 %	70-130		1	1906
Preservation pH	<2			1	1906

Gasoline Range Organics (GRO)

Analysis Desc; SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1908 SW-846 8015B GRO Gas on 08/05/2010 07:33 by NNM

Results (Batch Information Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767013

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-13

Date/Time Collected: 7/28/2010 08:22

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1908
1,4-Difluorobenzene (S)	94.8 %		60-155		1			1908
4-Bromofluorobenzene (S)	101 %		50-158		1			1908

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1400

## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

Chloride

H10070767014

Date/Time Received: 7/29/2010 09:00

Matrix: Water

Sample ID: MW-19

Date/Time Collected: 7/28/2010 08:30

10.0

2.52

20

WET	CH	FM	IST	PV

Analysis Desc: EPA 300.0	Analytical Batches:	
,		
	Batch: 1400 EPA 300.0 on 07/30/2010 0	7:28 by CFS
	Results	Batch Information
n		
Parameters	mg/I Qual Report Limit	MDL DF RegLmt Prep Analysis

186

#### **Diesel Range Organics (DRO)**

Analysis Desc: SW-846 8021B

Diesel Range Organics (DRO)		
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:	
10 mg	Batch: 2045: SW-846 8015B DRO LVI on 07/30/2010 15:27 by N_M	
	'Analytical Batches:	**
	Batch: 1816 SW-846 8015B DRO LVI on 08/04/2010 20:53 by NDW	
Parameters	Results Batch   Batch	nformation: Analysis

Parameters	mg/i Qual	Report Limit	MDL	DF. Regi	Lmt Prep A	Analysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2045	1816
n-Pentacosane (S)	61.8 %	10-185		1	2045	1816

SW-846 5030Analytical Batches:

## **VOLATILES**

	Batch: 1906, SW-846 80	J21B on U8/U5/2010	08:01 by N	NM	
	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF RegLimt	Prep Analysis
Benzene	ND	1.0	0.32	1	1906
Ethylbenzene	ND	1.0	0.22	1	1906
Toluene	ND	1.0	0.15	1	1906
m,p-Xylene	ND	1.0	0.12	. 1	1906
o-Xylene	ND	1.0	0.21	1	1906
Xylenes, Total	ND	1.0	0.12	1	1906
1,4-Difluorobenzene (S)	97.3 %	70-130		1	1906
4-Bromofluorobenzene (S)	104 %	70-130		1	1906
Preservation pH	<2			1	1906

### Gasoline Range Organics (GRO)

The second was also become a second of the s		
Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
ne ager at the first transfer and the second and th	Batch: 1908 SW-846 8015B GRO Gas on 08/0	15/2010 08:01 by NNM
	* Results	Batch Information
	reauta .	- Dator information
Parameters	ma// Qual Report Limit	MDL DF RegLmt Prep Analysis
· urumeters	IIIQ/II Quality copulation	
	——————————————————————————————————————	

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767014

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-19

Date/Time Collected: 7/28/2010 08:30

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1908
1,4-Difluorobenzene (S)	93.8 %		60-155		1			1908
4-Bromofluorobenzene (S)	100 %		50-158		1			1908

Report ID: H10070767\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbe Juneautt7

..ab ID:

H10070767015

Date/Time Received: 7/29/2010 Apr. UU

Matrix:

Water

Sample ID: MW-14

Date/Time Collector: 7/28/2010 09:05

**NET CHEMISTRY** 

Parameters: Chloride

nalysis Desc: EPA 300.0 Analytical Batches:

Batch: 1400 EPA 300 0 on 07/30/2010 07:45 by CFS

Results Batch Information mg/l Qual Report Limit MDL DF RegLmt Prep Analysis 221 10.0 2.52

Diesel Range Organics (DRO) Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2045 SW-846 8015B DRO LVI on 07/30/2010 15:27 by N. M.

Analytical Batches:

Batch: 1816 SW-846 8015B DRO LVI on 08/12/2010 10:27 by NDW

Parameters	Results mg/l Qual	Report Limit	** MDL	DF Reg	Batch Infoi Lmt Prep /	mation Analysis
Diesel Range Organics(C10-C28)	0.13	0.050	0.012	1	2045	1816
n-Pentacosane (S)	80.8 %	10-185		1	2045	1816

#### **VOLATILES**

		The state of the s	
Analysis Desc: SW-846 8021	B SW-846 5030	Analytical Batches:	
	Ratch: 1018	SW-846 8021B on 08/06/2	010 18:28 by IWS
	para di La Daron, il Daron, il Daron di La Contra di La C	011-0-00000000000000000000000000000000	.0.10.10.20.07.0110

	Results				Batch Information
Parameters	ug/j Qual	Report Limit	MDL	DF RegLmt	Prep . Analysis i
Benzene	ND	1.0	0.32	1	1918
Ethylbenzene	ND	1.0	0.22	1	1918
Toluene	ND	1.0	0.15	1.	1918
m,p-Xylene	ND	1.0	0.12	1	1918
o-Xylene	ND	1.0	0.21	1	1918
Xylenes, Total	ND	1.0	0.12	1 ,	1918
1,4-Difluorobenzene (S)	99.3 %	70-130		1	1918
4-Bromofluorobenzene (S)	99 %	70-130		1	1918
Preservation pH	<2			1	1918

### Gasoline Range Organics (GRO)

"Analysis Desc: SW-846 8015B GRO C	Gas SW-846 8015B GRO Ga	sAnalytical Batches:	
	Batch: 1920 SW-846 8	015B GRO Gas on 08/06/2010 18:28	by JWS
	Results		Batch Information
		and the second s	
Parameters	mg/l Qual	Report Limit MDL DF	RegLmt Prep⊭ Analysis ₽

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# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767015

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-14

Date/Time Collected: 7/28/2010 09:05

Parameters	Results Qua	al Report Limit	MDL	ÐF	ReaLmt	Batch Ir Prep	nformation Analysis
rarameters	Qua	ai Keport Linik	MIDE	DF	Reguiit	Flep	Allalysis
Gasoline Range Organics	ND	0.10	0.017	1			1920
1,4-Difluorobenzene (S)	98.4 %	60-155		1			1920
4-Bromofluorobenzene (S)	98.1 %	50-158		1			1920

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767016

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-18

Date/Time Collected: 7/28/2010 09:20

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300.0 on 07/30/2010 08:02 by CFS

Results

Batch Information Report Limit MDL Prep: Analysis Parameters 4 8 1 RegLmt mg/l. Qual Chloride 10.0 2.52 20 1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI)

Preparation Batches:

Batch: 2045 SW-846 8015B DRO LVI on 07/30/2010 15:27 by NEM

Analytical Batches:

Batch: 1816. SW-846 8015B DRO LVI on 08/12/2010 11:01 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL	DF Reg	Batch Info Lmt Prep A	mation (nalysis)
Diesel Range Organics(C10-C28)	0.54	0.050	0.012	1	2045	1816
n-Pentacosane (S)	87.7 %	10-185		1	2045	1816

### **VOLATILES**

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1938 SW-846 8021B on 08/10/2010 22:01 by JWS

	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF RegLr	nt Prep Analysis
Benzene	5600	20	6.4	20	1938
Ethylbenzene	130	20	4.4	20	1938
Toluene	ND	20	2.9	20	1938
m,p-Xylene	120	20	2.4	20	1938
o-Xylene	83	20	4.3	20	1938
Xylenes, Total	203	20	2.4	20	1938
1,4-Difluorobenzene (S)	107 %	70-130		20	1938
4-Bromofluorobenzene (S)	103 %	70-130		20	1938
Preservation pH	<2	-		20	1938

Gasoline Range Organics (GRO)

Analysis Desc: SW-846.8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1936 SW-846 8015B GRO Gas on 08/10/2010 22:01 by NNM

Results

Batch Information Parameters: MDL DF RegLmt Prep Analysis mg/I- Qual Report Limit

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# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767016

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-18

Date/Time Collected: 7/28/2010 09:20

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	. 17		2.0	0.34	20			1936
1,4-Difluorobenzene (S)	107 %		60-155		20			1936
4-Bromofluorobenzene (S)	103 %		50-158		20			1936

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## - ANALYTICAL RESULTS

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767017

Date/Time Received: 7/29/2010 09:00

Water

Matrix:

Sample ID: MW-12

Date/Time Collected: 7/28/2010 09:34

WET	$\sim$ $^{\square}$		MET	rov
VV	UП	Εn	mo.	I TO I

	nalytical Batches; atch: 1400 EPA 300.0 on Results mg/l Quals			DF. Re	Batch Information a gLmt Prep Analysis
Chloride	190	10.0	2.52	20	1400

## Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

	Batch: 2045 SW-846 8015B DRO LVI on 07/30/2010 15:27 by N_M
	Analytical Batches:
	Batch: 1816: SW-846 8015B DRO LVI on 08/12/2010 11:35 by NDW
	Results Batch informatio
Parameters	mg// Qual Report Limit MDL DF RegLmt Prep Analys

Parameters	mg/l Qual	Report Limit	MDL	DF. Reg	Lmt Prep A	nalysis
Diesel Range Organics(C10-C28)	0.56	0.050	0.012	1	2045	1816
n-Pentacosane (S)	63.3 %	10-185		1	2045	1816

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Batches:
	Batch: 1924. SW-846 8021B on 08/09/2010 17:10 by JWS. DF = 50.
	Batch: 1926, SW-846 8021B on 08/10/2010 00:47 by JWS IDF = 5.
	Colon 1020 Cit Grocozi Bontoni dizbio do Ti By Cit Cit
	Batch: 1938 SW-846 8021B on 08/10/2010 22:28 by JWS DF = 50.
	Batch: 1930 SVV-040 802 IB 011 08/10/2010 22:28 by 3VV 3/ DF = 30:

Preparation Batches:

	Results				Batch Information
Parameters	ug/i Qual	Report Limit	MDL	DF	RegLint Prep Analysis
Benzene	5500	50	16	50	1924
Ethylbenzene	120	50	11	50	1924
Toluene	ND	5.0	0.74	5	1926
m,p-Xylene	180	50	6.0	50	. 1938
o-Xylene	ND	5.0	1.1	5	1926
Xylenes, Total	180	5.0	1.1	50	1938
1,4-Difluorobenzene (S)	99.4 %	70-130		50	1924
1,4-Difluorobenzene (S)	99.5 %	70-130		50	1938
1,4-Difluorobenzene (S)	122 %	70-130		5	1926
4-Bromofluorobenzene (S)	101 %	70-130		5	1926
4-Bromofluorobenzene (S)	102 %	70-130		50	1924
4-Bromofluorobenzene (S)	104 %	70-130		50	1938
Preservation pH	<2			50	1924

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767017

Date/Time Received: 7/29/2010 09:00

Matrix: Water

Sample ID: MW-12

Date/Time Collected: 7/28/2010 09:34

**Gasoline Range Organics (GRO)** 

Analysis:Desc: SW-846.8015B GRO Gas. SW-846.8015B GRO GasAnalytical Batches:

Batch: 1928 SW-846 8015B GRO Gas on 08/09/2010 17:10 by JWS

Parameters	Results mg/l Qual	Report Limit	MDL	DF Re	Batch Information gEmt Prep Analysis
Gasoline Range Organics	19	5.0	0.84	50	1928
1,4-Difluorobenzene (S)	98.6 %	60-155		50	1928
4-Bromofluorobenzene (S)	101 %	50-158		50	1928

Report ID: H10070767\_6159



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#### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction

Lab ID: H10070767018 Date/Time Received: 7/29/2010 09:00 Matrix: Water

Sample ID: SVE-10 Date/Time Collected: 7/28/2010 09:50

**WET CHEMISTRY** 

Analysis Desc: EPA 300 0 Analytical Batches:

Batch: 1400 EPA 300.0 on 07/30/2010 08:36 by CFS

Results Batch Information
Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

 Chloride
 244
 10.0
 2.52
 20
 1400

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI Preparation Batches:

Batch: 2045 SW-846,8015B DRO EVI on 07/30/2010 15:27 by NaMe

Analytical Batches:

Batch: 1816. SW-846 8015B DRO LVI on 08/12/2010 12:09 by NDW

Results Batch Information mg/[≉Qual Parameters. Report Limit MDL\* DF: RegLmt Prep Analysis Diesel Range Organics(C10-C28) ND 0.050 0.012 2045 1816 n-Pentacosane (S) 75.6 % 10-185 2045 1816

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1918 SW-846 8021B on 08/06/2010 18:57 by JWS

Batch Information Results ug/I Qual Report Limit Parameters. MDL DF Prep Analysis RegLmt, Benzene ND 0.32 1918 1.0 Ethylbenzene ND 0.22 1918 1.0 Toluene ND 0.15 1918 1.0 ND m,p-Xylene 0.12 1918 1.0 o-Xylene ND 0.21 1918 1.0 ND Xylenes, Total 1.0 0.12 1918 1,4-Difluorobenzene (S) 98.3 % 70-130 1918 4-Bromofluorobenzene (S) 99 % 70-130 1918 Preservation pH <2 1918

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1920 SW-846 8015B GRO Gas on 08/06/2010 18:57 by JWS

Results Batch Information

Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767018

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: SVE-10

Date/Time Collected: 7/28/2010 09:50

· Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch In Prep	nformation Analysis
Gasoline Range Organics	ND		0.10	0.017	1			1920
1,4-Difluorobenzene (S)	97.4 %		60-155		1			1920
4-Bromofluorobenzene (S)	98.1 %		50-158		1			1920

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767019

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-11

Date/Time Collected: 7/28/2010 10:03

WET	CHEMISTRY	

	nalytical Batches: latch: 1400 EPA 300:0 on Results mg/l: Qual			DF R	Batch information:
Chloride	250	10.0	2 52	20.	1400

#### Diesel Range Organics (DRO)

Analysis Desc: SW-846 8021B.

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:
	Batch: 2045 SW-846 8015B DRO LVI on 07/30/2010 15:27 by N M
	Analytical Batches:
	Batch: 1816 SW-846 8015B;DRO LVI on 08/12/2010 12:44 by NDW
	The state of the s

SW-846 5030Analytical Batches:

Parameters	Results mg/I Qual	Report Limit	MDL	A CONTRACTOR OF THE PARTY OF TH	Batch:Infori egLmt Prep A	mation nalysis
Diesel Range Organics(C10-C28)	10	0.50	0.12	10	2045	1816
n-Pentacosane (S)	52.7 %	10-185		10	2045	1816

### **VOLATILES**

Parameters :	Results ug/l_Qual	Report Limit	MDL	:DF	Batch Information RegLmt Prep Analysis
Benzene	3800	50	16	50	1924
Ethylbenzene	700	50	11	50	1924
Toluene	1500	50	7.4	50	1924
m,p-Xylene	1300	50	6.0	50	1924
o-Xylene	370	50	11	50	1924
Xylenes, Total	1670	50	6.0	50	1924
1,4-Difluorobenzene (S)	101 %	70-130		50	1924
4-Bromofluorobenzene (S)	102 %	70-130		50	1924
Preservation pH	<2	•		50	1924

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:	
	Batch: 1928 SW-846 8015B GRO Gas on 08/09/2010 17:0	88 by JWS
	Results	Batch Information
Parameters*	mg/j Qual Report Limit MDL	DE Regulat Pren Analysis
t didilictics .	IIIg/II Guan (Coport Ellink ) - IIIDE	Dr. Trogerite integral Analysis

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767019

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-11

Date/Time Collected: 7/28/2010 10:03

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	29		5.0	0.84	50			1928
1,4-Difluorobenzene (S)	101 %		60-155		50			1928
4-Bromofluorobenzene (S)	102 %		50-158		50			1928

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction

Lab ID: H10070767020 Date/Time Received: 7/29/2010 09:00 Matrix: Water

Sample ID: MW-6 Date/Time Collected: 7/28/2010 10:20

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1400 EPA 300:0 on 07/30/2010 09:10 by CFS

Results. Batch Information
Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Chloride . 111 5.00 1.26 10 1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI - Preparation Batches:

Batch: 2045: SW-846 8015B DRO EVI on 07/30/2010 15:27 by N. M.

Analytical Batches:

Batch: 1816 SW-846 8015B DRO LVI on 08/12/2010 13:18 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL	ĎF, Re	Batch Infor agLmt Prep A	879-75-12-200-789-20-789-7 <b>3</b>
Diesel Range Organics(C10-C28)	2.9	0.50	0.12	10	2045	1816
n-Pentacosane (S)	69.3 %	10-185		10	2045	1816

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1938 SW-846 8021B on 08/10/2010 21:33 by JWS

	: Results			ar i	Batch Information
Parameters		Report Limit	MDL .	DF Re	
Benzene	40	. 5.0	1.6	5	1938
Ethylbenzene	180	5.0	1.1	5	1938
Toluene	14	5.0	0.74	5	1938
m,p-Xylene	. 67	5.0	0.60	5	1938
o-Xylene	35	5.0	1.1	5	1938
Xylenes, Total	102	5.0	0.60	. 5	. 1938
1,4-Difluorobenzene (S)	102 %	70-130		5	1938
4-Bromofluorobenzene (S)	104 %	70-130		5	1938
Preservation pH	<2			5	1938

Gasoline Range Organics (GRO)

Analysis Desc. SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1936 SW-846 8015B GRO Gas on 08/10/2010 21:33 by NNM

Results . Batch Information
Parameters . mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10070767\_6159



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# **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767020

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: MW-6

Date/Time Collected: 7/28/2010 10:20

Parameters	Results	Qual	Report Limit	MDL	DF	ReaLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	3.1		0.50	0.084	5	Neguni	Fieb	1936
1,4-Difluorobenzene (S)	109 %		60-155		5			1936
4-Bromofluorobenzene (S)	106 %		50-158		5			1936

Report ID: H10070767\_6159

Printed: 08/13/2010 17:35

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### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767021

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: Dup #1

Date/Time Collected: 7/27/2010 00:00

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0%

Analytical Batches:

Batch::1400 EPA 300:0 on 07/30/2010 10:01 by CFS

R Parameters

Results:

MDL DF RegLmi

20

Batch Information

Chloride

mg/I Qual

10.0

2.52

RegLint Prep

Prep Analysis

1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2045 SW-846 8015B DRO LVI on 07/30/2010 15:27 by N\_M

Report Limit

Analytical Batches:

Batch: 1816 SW-846 8015B DRO LVI on 08/12/2010 13:53 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL:		Batch Infor mt Prep A	
Diesel Range Organics(C10-C28)	0.33	0.050	0.012	1	2045	1816
n-Pentacosane (S)	81.5 %	10-185		1 .	2045	1816

#### **VOLATILES**

ans	IIVSIS Des	.r. >vv.	KAN KU	/-7 M 23 82 380 65		Constitution - VV	-X4hini	JJUAnaiytic	CHAIRMAN	2.000	Z. Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Car	2.2
11.10	S COUNTY SECURITION	of more markets	Compliant of the State of State of			A CONTRACTOR AND A CONT	Service Service Service				2.14	Contract of
54 CH	the state of the s	23.27	2010/07/2017	100	1000	300	Tages		Section 1	the state of the state of	2000	600
100	COLUMN TO SECURE	200 A 200	2	50 30 50 50 50 50 50 50 50 50 50 50 50 50 50	THE STORES AND THE	645 1321 24 15 19 15	100		EEC DE CONTRACTOR	· 100 / 100		
200		134		# 10 A TO 2 CT		D-1	-L. 400	A CIAL OAL	10004D	001001004	O'AC'ACL	HAL
100	and the second			Karana a kata ka		Bai	CHELISZ	4675VV-040	0.80215.01	1 08/09/2010	u io ib c	3V.JVV

Parameters.		Results .ug/l: Qual	Report/Limit	MDL.	DF Re	Batch Information gLmt Prep Analysis
Benzene		1.2	1.0	0.32	1	1924
Ethylbenzene	4	1.2	1.0	0.22	1	1924
Toluene	•	· ND	1.0	0.15	1	1924
m,p-Xylene		ND	1.0	0.12	1	1924
o-Xylene	•	ND	1.0	0.21	1	1924
Xylenes, Total		ND	1.0	0.12	1	1924
1,4-Difluorobenzene (S)		102 %	70-130		1	1924
4-Bromofluorobenzene (S)		103 %	70-130		1	1924
Preservation pH	·	<2			1	1924

#### Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasAnalytical Batches:
	Batch: 1928 SW-846 8015B GRO Gas on 08/09/2010 15:16 by UWS
	Results Batch Information
Parameters	mg/  Qual Report Limit MDL DF RegLmt Prep Analysis

Report ID: H10070767\_6159 Printed: 08/13/2010 17:35

ID: H10070767\_6159 Page 45 of 87



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767021

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: Dup #1

Date/Time Collected: 7/27/2010 00:00

	Results						Batch Ir	nformation
Parameters		Qual	Report Limit	MDL	DF	RegLmt	Prep	Analysis
Gasoline Range Organics	0.26		0.10	0.017	1			1928
1,4-Difluorobenzene (S)	104 %		60-155		1			1928
4-Bromofluorobenzene (S)	100 %		50-158		1			1928

Report ID: H10070767\_6159

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#### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767022

Date/Time Received: 7/29/2010 09:00

Water

Matrix:

Sample ID: Dup #2

Date/Time Collected: 7/28/2010 00:00

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1400 EPA 300 0 on 07/30/2010 10:18 by CFS

Results **Parameters** 

**Batch Information** Report Limit

mg/I. Qual

MDL DF RegLmt. 20 2.52

Prep Analysis

Chloride

194

10.0

1400

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI

Preparation Batches:

Batch: 2045 SW-846 8015B DRO LVI on 07/30/2010 15:27 by N M

Analytical Batches:

Batch: 1816 SW-846 8015B DRO LVI on 08/12/2010 14:28 by NDW

Parameters	Results mg/l Quality	Report Limit	MDL	DF Regl	Batch Info mt Prep. A	
Diesel Range Organics(C10-C28)	0.52	0.050	0.012	1	2045	1816
n-Pentacosane (S)	91 %	10-185		1	2045	1816

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	itches:			
	Batch: 1938, SW-846 802	1B on 08/10/2010	17:45 by J\	VS.	
The second secon					
To the second second	Results				Batch Information
Parameters	ug/l Qùal	Report Limit:	MDL	DF Rec	jEmt Prep: Analysis
Benzene .	5500	25	8.0	25	1938
Ethylbenzene	140	25	5.5	25	1938
Toluene	ND	25	3.7	25	1938
m,p-Xylene	190	25	3.0	25	1938
o-Xylene	· ND	25	5.4	25	1938
Xylenes, Total	190	25	3.0	25	1938
1,4-Difluorobenzene (S)	106 %	70-130		25	· 1938

### Gasoline Range Organics (GRO)

4-Bromofluorobenzene (S)

Preservation pH

Parameters

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Batch: 1936 SW-846 8015B GRO Gas on 08/10/2010 17:45 by NNM

70-130

Results

103 %

<2

mg/l Qual Report Limit.

MDL

RegLmt

25

Batch Information: Prep Analysis

Report ID: H10070767\_6159

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1938

1938



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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767022

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: Dup #2

Date/Time Collected: 7/28/2010 00:00

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Ir Prep	nformation Analysis
Gasoline Range Organics	20		2.5	0.42	25			1936
1,4-Difluorobenzene (S)	103 %		60-155		25			1936
4-Bromofluorobenzene (S)	103 %		50-158		25			1936

Report ID: H10070767\_6159



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### **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767023

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: Trip Blank

Date/Time Collected: 7/28/2010 11:00

**VOLATILES** 

Analysis Desc: SW-846 8021B

SW-846 5030Analytical Batches:

Batch: 1906 SW-846 8021B on 08/05/2010 08:29 by NNM

	Results				Batch Information.
Parameters	ug/I Qual	Report Limit	MDL	DF RegLmt	Prep Analysis
Benzene	ND	1.0	0.32	1	1906
Ethylbenzene	ND	1.0	0.22	1	1906
Toluene	ND	1.0	0.15	1	1906
m,p-Xylene	ND	1.0	0.12	1	1906
o-Xylene	ND	1.0	0.21	1	1906
Xylenes, Total	ND.	1.0	0.12	1	1906
1,4-Difluorobenzene (S)	96.9 %	70-130		1	1906
4-Bromofluorobenzene (S)	104 %	70-130		1	1906
Preservation pH	<2			1	1906

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas

SW-846 8015B GRO GasAnalytical Batches:

Batch: 1908 SW-846 8015B GRO Gas on 08/05/2010 08:29 by NNM

Parameters	Results <b>mg/l</b>	Qual Report Limit	MDL	DF Re	Batch egLmt Prep	Information Analysis
Gasoline Range Organics	. ND	0.10	0.017	1	•	1908
1,4-Difluorobenzene (S)	93.5 %	60-155		1		1908
4-Bromofluorobenzene (S)	101 %	50-158		1		1908

Report ID: H10070767\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID:

H10070767024

Date/Time Received: 7/29/2010 09:00

Matrix:

Water

Sample ID: Trip Blank #2

Date/Time Collected: 7/27/2010 00:00

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 1924 SW-846 8021B on 08/09/2010 14:20 by JWS

	Results				Batch Information
Parameters	ug/li <sup>®</sup> Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	1924
Ethylbenzene	ND	1.0	0.22	1	1924
Toluene	ND	1.0	0.15	1	1924
m,p-Xylene	ND	1.0	0.12	1	1924
o-Xylene	ND	1.0	0.21	1	1924
Xylenes, Total	ND	1.0	0.12	1	1924
1,4-Difluorobenzene (S)	99.1 %	70-130		1	1924
4-Bromofluorobenzene (S)	101 %	70-130		<sup>'</sup> 1	1924
Preservation pH	<2			· 1	1924

Report ID: H10070767\_6159



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### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

EXTO/2044

Analysis Method:

SW-846 8015B DRO LVI

QC Batch Method:

SW-846 8015B DRO LVI

Preparation:

H10070767009

07/30/2010 14:29 by N\_M

H10070767010

Associated Lab Samples:

H10070767001 H10070767007

H10070767002

H10070767003 H10070767004

H10070767005

H10070767006

METHOD BLANK: 59675

Analysis Date/Time Analyst:

H10070767011

08/04/2010 06:06 NDW

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Diesel Range Organics(C10-C28)	mg/l	ND	0.050	
n-Pentacosane (S)	%	135	10-185	

H10070767008

LABORATORY CONTROL SAMPLE & LCSD: 59676

59677

LCS Analysis Date/Time Analyst: 08/04/2010 06:51 NDW LCSD Analysis Date/Time

08/04/2010 07:35 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	2	3.16	3.15	158 153	157 147	21-175 10-185	0.3	43 30	٠,

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.

Report ID: H10070767\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

EXTO/2045

Analysis Method: SW-846 8015B DRO LVI

QC Batch Method:

SW-846 8015B DRO LVI

Preparation:

07/30/2010 15:26 by N M

H10070767012

H10070767013

H10070767014

H10070767016

H10070767017

Associated Lab Samples:

H10070767018

H10070767019

H10070767020

H10070767015 H10070767021

H10070767022

METHOD BLANK: 59678

Analysis Date/Time Analyst:

08/04/2010 14:42 NDW

Parameter	Units	Blank Result Qualifiers	Reporting Limit
Diesel Range Organics(C10-C28)	mg/l	ND	0.050
n-Pentacosane (S)	%	124	10-185

LABORATORY CONTROL SAMPLE & LCSD: 59679

59680

LCS Analysis Date/Time Analyst: 08/04/2010 15:23 NDW LCSD Analysis Date/Time

08/04/2010 16:05 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD LCS Result % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	2	2.93	3.03 · 147 149	152 152	21-175 10-185	3.3	43 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.

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

H10070767004

H10070767003

#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction Project Number: East Hobbs Junction /

H10070767001

QC Batch:

IC/1400 Analysis Method: EPA 300.0

H10070760001

QC Batch Method: EPA 300.0

Associated Lab Samples:

METHOD BLANK: 59911

H10070767005 H10070767006 H10070767007 H10070767008 H10070767009 H10070767010 H10070767011 H10070767012 H10070767013 H10070767014 H10070767015 H10070767016 H10070767019 H10070767020 H10070767021 H10070767022

H10070767002

H10070767017 H10070767018

H10070754001

Analysis Date/Time Analyst: 07/29/2010 23:49 CFS

Blank Reporting Parameter Units Result Qualifiers Limit

Chloride mg/l ND 0.500

LABORATORY CONTROL SAMPLE: 59912

Analysis Date/Time Analyst: 07/30/2010 00:06 CFS

LCS LCS Spike % Rec Parameter Conc. Units Result % Rec Limits

Chloride 10 9.514 95.1 85-115 mg/l

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:59913 59914 Original: H10070754001

MS Analysis Date/Time Analyst:

07/30/2010 00:40 CFS

MSD Analysis Date/Time Analyst:

07/30/2010 00:57 CFS

Original Spike MS MSD MS MSD % Rec Max Parameter Units Result % Rec **RPD** Conc. Result Result % Rec Limit RPD Chloride 839 1000 1790 1790 95.1 95.0 80-120 0.0 20 mg/l

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:59915

59916 Original: H10070767007

MS Analysis Date/Time Analyst:

07/30/2010 04:04 CFS

MSD Analysis Date/Time Analyst:

07/30/2010 04:21 CFS

		Original	Spike	MS	MSD	MS	MSD	% Rec	Max
Parameter	Units	Result	Conc.	Result	Result	% Rec	% Rec	Limit RPD	RPD
Chloride	mg/l	63.1	100	159.7	163.9	96.6	. 101	80-120 2.7	20

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.

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:59917

59918

Original: H10070767013

MS Analysis Date/Time Analyst:

07/30/2010 06:54 CFS

MSD Analysis Date/Time Analyst:

07/30/2010 07:11 CFS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
Chloride	mg/l	70.9	100	162.7	167.4	91.8	96.6	80-120 2.9	20

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.

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1897

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

08/03/2010 00:00 by GCV

Associated Lab Samples:

H10070725003

H10070725009

H10070767001

METHOD BLANK: 60804

Analysis Date/Time Analyst:

08/03/2010 15:41 NNM

H10070725007

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	%	99.9	50-158	
1,4-Difluorobenzene (S)	%	94.9	60-155	

LABORATORY CONTROL SAMPLE: 60805

Analysis Date/Time Analyst:

08/03/2010 16:37 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.916	91.6	70-130	
4-Bromofluorobenzene (S)	%			103	50-158	
1,4-Difluorobenzene (S)	%		•	95.3	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:60808

60809

Original: H10070767001

MS Analysis Date/Time Analyst:

08/03/2010 19:28 NNM

MSD Analysis Date/Time Analyst:

08/03/2010 19:56 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD ·	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.865	0.908	86.5	90.8	36-160	4.9	36
4-Bromofluorobenzene (S)	%	100				103	104	50-158		30
1,4-Difluorobenzene (S)	%	94.1				95.0	100	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.

Report ID: H10070767\_6159

Printed: 08/13/2010 17:35

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Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1899

Analysis Method:

QC Batch Method:

SW-846 5030

Preparation:

08/04/2010 00:00 by JWW

SW-846 8021B

Associated Lab Samples:

H10070767002

H10070767003

H10070767004

H10070819001

H10070819002

H10070819003

H10070822001 H10080083022

H10070822002 H10080083023

H10070822003

H10080042007

H10080071013

H10080072009

METHOD BLANK: 60869

Analysis Date/Time Analyst:

08/04/2010 02:04 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit
Benzene	ug/i	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)	%	97.2	70-130
4-Bromofluorobenzene (S)	%	103	70-130

LABORATORY CONTROL SAMPLE: 60870

Analysis Date/Time Analyst:

08/04/2010 02:32 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	22.4	112	70-130	
Ethylbenzene	ug/l	20	20.7	103	70-130	
Toluene	ug/l	20	22.2	111	70-130	
m,p-Xylene	ug/l	40	41.1	103	70-130	
o-Xylene	ug/l	20	20.4	102	70-130	
Xylenes, Total	ug/l	60	61.5	103	70-130	
1,4-Difluorobenzene (S)	%			97.3	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:60871

60872

Original: H10070767004

MS Analysis Date/Time Analyst:

08/04/2010 04:53 JWS

MSD Analysis Date/Time Analyst:

08/04/2010 05:21 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	22.1	22.2	110	111	66-141	0.9	31
Ethylbenzene	ug/l	0.095	20	20.3	20.4	101	102	52-136	0.5	28
Toluene	ug/l	ND	20	21.7	21.9	109	109	61-131	0.6	25
m,p-Xylene	ug/i	ND	40	40.2	40.4	101	101	60-130	0.3	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.

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:60871

60872

Original: H10070767004

MS Analysis Date/Time Analyst:

08/04/2010 04:53 JWS

MSD Analysis Date/Time Analyst:

08/04/2010 05:21 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/l	ND	20	20.0	20.1	100	101	64-130	0.6	30
Xylenes, Total	ug/l	ND	60	60.2	60.5	100	101	60-130	0.4	36
1,4-Difluorobenzene (S)	%	97				97.3	97.6	70-130		30
4-Bromofluorobenzene (S)	%	104				104	105	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.

Report ID: H10070767\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1901

Analysis Method:

H10070767004

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

08/03/2010 00:00 by GCV

Associated Lab Samples:

H10070767002

H10070767003

METHOD BLANK: 60914

Analysis Date/Time Analyst:

Blank Reporting Limit Parameter Units Result Qualifiers ND 0.10 Gasoline Range Organics mg/f 50-158 102 4-Bromofluorobenzene (S) % 60-155 % 95.3 1,4-Difluorobenzene (S)

LABORATORY CONTROL SAMPLE: 60915

Analysis Date/Time Analyst:

08/04/2010 03:00 NNM

08/04/2010 02:04 NNM

LCS LCS % Rec Spike Parameter Units Conc. Result % Rec Limits Gasoline Range Organics mg/l 1.0 0.89 89.0 70-130 104 50-158 4-Bromofluorobenzene (S) % 95.2 60-155 1,4-Difluorobenzene (S) %

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:60916

60917

Original: H10070767003

MS Analysis Date/Time Analyst:

08/04/2010 08:44 NNM

MSD Analysis Date/Time Analyst:

08/04/2010 09:12 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.80	0.747	80.0	74.7	36-160 6.9	36
4-Bromofluorobenzene (S)	%	100				103	103	50-158	30
1,4-Difluorobenzene (S)	%	94.1				97.6	97.0	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.

Report ID: H10070767\_6159



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## **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1905

Analysis Method:

H10070767023

SW-846 8021B

QC Batch Method:

SW-846 5030

H10070767013

Preparation:

08/05/2010 00:00 by GCV 3 H10080076015 H1

H10080112006 H10

H10080114008

Associated Lab Samples:
METHOD BLANK: 61221

Analysis Date/Time Analyst:

08/05/2010 06:09 NNM

H10070767014

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)	%	97.6	70-130	
4-Bromofluorobenzene (S)	%	104	70-130	

LABORATORY CONTROL SAMPLE: 61222

Analysis Date/Time Analyst:

08/05/2010 06:37 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	21.4	107	70-130	
Ethylbenzene	ug/l	20	19.8	98.8	70-130	
Toluene	ug/l	20	21.1	106	70-130	
m,p-Xylene	ug/l	40	39.4	98.4	70-130	
o-Xylene	ug/l	20	19.7	98.3	70-130	
Xylenes, Total	ug/l	60	59.0	98.4	70-130	
1,4-Difluorobenzene (S)	%			96.7	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61223

61224

Original: H10070767014

MS Analysis Date/Time Analyst:

08/05/2010 14:48 NNM

MSD Analysis Date/Time Analyst:

08/05/2010 15:16 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Réc	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	22.2	22.8	111	114	66-141	200 *	31
Ethylbenzene	ug/l	ND.	20	20.8	21.3	104	106	52-136	200 *	28
Toluene	ug/l	ND	20	22.1	22.4	110	112	61-131	200 *	25
m,p-Xylene	ug/l	ND	40	41.3	42.2	103	106	60-130	200 *	36
o-Xylene	ug/l	ND	20	20.3	20.8	102	104	64-130	200 *	30
Xylenes, Total	ug/l	ND	60	61.6	63.0	103	105	60-130	200 *	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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## **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61223

61224

Original: H10070767014

MS Analysis Date/Time Analyst:

08/05/2010 14:48 NNM

MSD Analysis Date/Time Analyst:

08/05/2010 15:16 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
1,4-Difluorobenzene (S)	%	97.3				96.5	96.6	70-130	*	30
4-Bromofluorobenzene (S)	%	104				105	105	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..

Report ID: H10070767\_6159



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### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1907

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

08/05/2010 00:00 by GCV

Associated Lab Samples:

H10070767013

H10070767014

H10070767023

METHOD BLANK: 61242

Analysis Date/Time Analyst:

08/05/2010 06:09 NNM

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)	%	94.9	60-155	

LABORATORY CONTROL SAMPLE: 61243

Analysis Date/Time Analyst:

08/05/2010 07:05 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.875	87.5	70-130	
4-Bromofluorobenzene (S)	%			103	<b>50-158</b> .	
1,4-Difluorobenzene (S)	%			94.4	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61244

61245

Original: H10070767013

MS Analysis Date/Time Analyst:

08/05/2010 10:36 NNM

MSD Analysis Date/Time Analyst:

08/05/2010 11:04 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit R	RPD	Max RPD
Gasoline Range Organics	. mg/l	ND	1.0	1.0	0.98	100	98.0	36-160	2.5	36
4-Bromofluorobenzene (S)	%	101				105	104	50-158		30
1,4-Difluorobenzene (S)	%	94.8				99.6	98.6	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.

Report ID: H10070767\_6159



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### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1917

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

08/06/2010 00:00 by GCV

Associated Lab Samples:

H10070725001 H10070767018 H10070725002 H10070822001 H10070725004 H10080149008 H10070725005

H10080150011

H10070725006 H10080151007 H10070767015

METHOD BLANK: 61751

Analysis Date/Time Analyst:

08/06/2010 10:10 JWS

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/i	ND	1.0	
Xylenes, Total	· ug/l	ND	1.0	
1,4-Difluorobenzene (S)	%	98.7	70-130	·
4-Bromofluorobenzene (S)	%	101	70-130	

LABORATORY CONTROL SAMPLE: 61752

Analysis Date/Time Analyst:

08/06/2010 10:38 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	20.9	105	70-130	
Ethylbenzene	ug/l	20	19.4	97.2	70-130	
Toluene	ug/l	20	20.5	103	70-130	
m,p-Xylene	ug/l	40	38.6	96.5	70-130	
o-Xylene	ug/l	20	19.2	96.0	70-130	
Xylenes, Total	ug/l	60	57.8	96.4	70-130	
1,4-Difluorobenzene (S)	%			99.0	70-130	
4-Bromofluorobenzene (S)	%		•	102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61757

61758

Original: H10070725004

MS Analysis Date/Time Analyst:

08/06/2010 13:15 JWS

MSD Analysis Date/Time Analyst:

08/06/2010 13:43 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	24.7	23.5	124	118	66-141	4.9	31
Ethylbenzene	ug/l	ND	20	23.3	18.1	116	90.3	52-136	25.2	28
Toluene	ug/l	0.014	20	27.2	22.5	136 *	112	61-131	19.1	25
m,p-Xylene	ug/i	0.51	40	47.8	37.5	118	92.5	60-130	24.2	36
o-Xylene	ug/l	0.16	20	26.6	20.6	132 *	102	64-130	25.5	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.

Report ID: H10070767\_6159



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### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61757

61758

Original: H10070725004

MS Analysis Date/Time Analyst:

08/06/2010 13:15 JWS

MSD Analysis Date/Time Analyst:

08/06/2010 13:43 JWS

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	74.4	58.1	124	96.8	60-130 24.7	36
1,4-Difluorobenzene (S)	%	100				101	100	70-130	30
4-Bromofluorobenzene (S)	. %	102				130	106	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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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

GCVW/1919 SW-846 5030

Preparation:

08/06/2010 00:00 by GCV

Associated Lab Samples:

H10070725001 H10070767018 H10070725004

H10070725005

H10070725006

H10070767015

METHOD BLANK: 61868

Analysis Date/Time Analyst:

08/06/2010 10:10 JWS

H10070725002

Parameter	Units	Blank Result Qualifiers	Reporting Limit
Gasoline Range Organics	mg/l	ND	0.10
4-Bromofluorobenzene (S)	%	99.1	50-158
1,4-Difluorobenzene (S)	%	96.9	60-155

LABORATORY CONTROL SAMPLE: 61869

Analysis Date/Time Analyst:

08/06/2010 11:07 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.918	91.8	70-130	
4-Bromofluorobenzene (S)	% ·			101	50-158	
1,4-Difluorobenzene (S)	· %			97.8	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61870

61871

Original: H10070725002

MS Analysis Date/Time Analyst:

08/06/2010 14:11 JWS

MSD Analysis Date/Time Analyst:

08/06/2010 14:39 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.24	1.0	1.08	1.01	84.4	77.2	36-160	6.9	36
4-Bromofluorobenzene (S)	%	111				110	106	50-158		30
1,4-Difluorobenzene (S)	%	97.6				102	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.

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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1921

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

08/04/2010 00:00 by GCV

Associated Lab Samples:

H10070767006

H10070767007 H10070767012

H10070767008

H10070767009

H10070767010

H10070767011

METHOD BLANK: 61875

Analysis Date/Time Analyst:

08/04/2010 19:56 JWS

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)	%	94.9	60-155	•

LABORATORY CONTROL SAMPLE: 61876

Analysis Date/Time Analyst:

08/04/2010 20:52 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.908	90.8	70-130	
4-Bromofluorobenzene (S)	%			104	50-158	
1,4-Difluorobenzene (S)	% .			96.5	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61877

61878

Original: H10070767007

MS Analysis Date/Time Analyst:

08/05/2010 00:32 JWS

MSD Analysis Date/Time Analyst:

08/05/2010 01:00 JWS

Parameter	Units	<sup>¹</sup> Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit R	RPD	Max RPD
Gasoline Range Organics	mg/l·	ND	1.0	1.02	1.03	102	103	36-160	0.8	36
4-Bromofluorobenzene (S)	%	100				104	105	50-158		30
1,4-Difluorobenzene (S)	%	94.4				94.7	94.6	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.

Report ID: H10070767\_6159



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### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

-----

Analysis Method:

SW-846 8021B

QC Batch Method:

GCVW/1923 SW-846 5030

Preparation:

08/09/2010 00:00 by GCV

Associated Lab Samples:

H10070767017

H10070767019

H10070767021

H10070767024

METHOD BLANK: 61900

Analysis Date/Time Analyst:

08/09/2010 08:20 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit
Benzene	ug/i	ND	1.0
Ethylbenzene	ug/l	ND	1.0
Toluene	ug/i	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)	%	98.9	70-130
4-Bromofluorobenzene (S)	%	101	70-130

LABORATORY CONTROL SAMPLE: 61901

Analysis Date/Time Analyst:

08/09/2010 08:48 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	21.1	105	70-130	-
Ethylbenzene	ug/l	20	19.6	97.8	70-130	
Toluene	ug/i	20	20.9	104	70-130	
m,p-Xylene	ug/l	40	39.1	97.7	70-130	
o-Xylene	ug/l	20	19.4	96.8	70-130	
Xylenes, Total	ug/l	60	58.4	97.4	70-130	
1,4-Difluorobenzene (S)	%			98.9	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61902

61903

Original: H10070767021

MS Analysis Date/Time Analyst:

08/09/2010 16:13 JWS

MSD Analysis Date/Time Analyst:

08/09/2010 16:41 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	1.2	20	30.3	30.0	146 *	144 *	66-141	1.0	31
Ethylbenzene	ug/l	1.2	20	24.8	24.7	118	117	52-136	0.4	28
Toluene	ug/l	0.19	20	26.4	26.2	131	130	61-131	0.7	25
m,p-Xylene	ug/l	0.62	40	47.8	47.6	118	117	60-130	0.5	36
o-Xylene	ug/l	ND	20	24.6	24.5	123	122	64-130	0.6	30
Xylenes, Total	ug/l	ND	60	72.5	72.1	121	120	60-130	0.5	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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## **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:61902

61903

Original: H10070767021-

MS Analysis Date/Time Analyst:

08/09/2010 16:13 JWS

MSD Analysis Date/Time Analyst:

08/09/2010 16:41 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S)	%	102				101	101	70-130	30
4-Bromofluorobenzene (S)	%	103				104	104	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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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1927

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

08/09/2010 00:00 by GCV

Associated Lab Samples:

H10070767017

H10070767019

H10070767021

METHOD BLANK: 62085

Analysis Date/Time Analyst:

08/09/2010 08:20 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	%	99	50-158	
1,4-Difluorobenzene (S)	%	97.1	60-155	

LABORATORY CONTROL SAMPLE: 62086

Analysis Date/Time Analyst:

08/09/2010 09:16 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	1.01	101	70-130	
4-Bromofluorobenzene (S)	%			102	50-158	
1,4-Difluorobenzene (S)	%			103	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62104

62105

Original: H10080238001

MS Analysis Date/Time Analyst:

08/09/2010 11:59 JWS

MSD Analysis Date/Time Analyst:

08/09/2010 12:27 JWS

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	1.24	1.27	113	115	36-160	1.7	36
4-Bromofluorobenzene (S)	%	ND				103	104	50-158		30
1,4-Difluorobenzene (S)	%	ND			`	102	102	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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# **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1929

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

08/04/2010 00:00 by GCV

Associated Lab Samples:

H10070725003

H10070725007 H10070725009

H10070767001

METHOD BLANK: 62174

Analysis Date/Time Analyst:

08/03/2010 15:41 JWS

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)	%	97.4	70-130
4-Bromofluorobenzene (S)	%	103	70-130

LABORATORY CONTROL SAMPLE: 62175

Analysis Date/Time Analyst:

08/03/2010 16:09 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	20.6	103	70-130	
Ethylbenzene	ug/l	20	19.1	95.6	70-130	
Toluene	ug/l	20	20.4	102	70-130	
m,p-Xylene	ug/l	40	38.2	95.5	70-130	•
o-Xylene	ug/l	20	19.0	94.8	70-130	
Xylenes, Total	ug/l	60	57.2	95.3	70-130	
1,4-Difluorobenzene (S)	%			97.7	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62176

62177

Original: H10070725003

MS Analysis Date/Time Analyst:

08/03/2010 18:31 JWS

MSD Analysis Date/Time Analyst:

08/03/2010 18:59 JWS

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	20.4	102	102	66-141	0.5	31
Ethylbenzene	ug/l	ND	20	18.9	18.7	94.4	93.5	52-136	1.0	28
Toluene	ug/l	0.086	20	20.3	19.9	101	98.9	61-131	2.0	25
m,p-Xylene	ug/l	0.18	40	37.6	37.2	93.5	92.6	60-130	1.0	36
o-Xylene	ug/l	ND	20	18.6	18.5	93.1	92.6	64-130	0.5	30
Xylenes, Total	· ug/l	ND	60	56.2	55.7	93.7	92.9	60-130	0.8	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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# **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62176

62177

Original: H10070725003

MS Analysis Date/Time Analyst:

08/03/2010 18:31 JWS

MSD Analysis Date/Time Analyst:

08/03/2010 18:59 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S)	%	97.5				97.0	96.7	70-130	30
4-Bromofluorobenzene (S)	%	103				105	104	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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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1931

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

08/04/2010 00:00 by GCV

Associated Lab Samples:

H10070767006 H10070767012 H10070767007

H10070767008

H10070767009

H10070767010

H10070767011

METHOD BLANK: 62190

Analysis Date/Time Analyst:

08/04/2010 19:56 JWS

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)	%	97.7	70-130	
4-Bromofluorobenzene (S)	%	104	70-130	

LABORATORY CONTROL SAMPLE: 62191

Analysis Date/Time Analyst:

08/04/2010 20:24 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	·
Benzene	ug/l	20	21.4	107	70-130	
Ethylbenzene	ug/l	. 20	19.9	99.5	70-130	
Toluene	ug/l	20	20.9	105	70-130	
m,p-Xylene	ug/l	40	39.5	98.8	70-130	
o-Xylene	ug/l	20	19.7	98.4	70-130	
Xylenes, Total	ug/l	60 .	59.2	98.7	70-130	
1,4-Difluorobenzene (S)	%			96.8	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62192

62193

Original: H10070767008

MS Analysis Date/Time Analyst:

08/04/2010 23:36 JWS

MSD Analysis Date/Time Analyst:

08/05/2010 00:04 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	0.33	20	19.3	25.5	95.0	126	66-141	27.7	31
Ethylbenzene	ug/l	ND	. 20	17.3	23.5	86.3	118	52-136	30.6 *	28
Toluene	ug/l	0.57	20	19.0	25.2	92.2	123	61-131	28.1 *	25
m,p-Xylene	ug/l	0.27	40	34.5	47.1	85.6	117	60-130	30.8	36
o-Xylene	ug/l	0.17	20	17.2	23.6	85.2	117	64-130	31.2 *	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: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62192

62193

Original: H10070767008

MS Analysis Date/Time Analyst:

08/04/2010 23:36 JWS

MSD Analysis Date/Time Analyst:

08/05/2010 00:04 JWS

Parameter	Units	Original Result	Spike Conc.	MS Resuit	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
Xylenes, Total	ug/i	ND	60	51.7	70.6	86.2	118	60-130 30.9	36
1,4-Difluorobenzene (S)	%	98.8				97.2	98.1	70-130	30
4-Bromofluorobenzene (S)	%	106				106	106	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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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1935

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

08/10/2010 00:00 by NNM

Associated Lab Samples:

H10070725008

H10070767016

H10070767020

H10070767022

METHOD BLANK: 62352

Analysis Date/Time Analyst:

08/10/2010 15:25 NNM

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)	· %	97.9	60-155

LABORATORY CONTROL SAMPLE: 62353

Analysis Date/Time Analyst:

08/10/2010 16:22 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	1.06	106	70-130	
4-Bromofluorobenzene (S)	%			105	50-158	
1,4-Difluorobenzene (S)	%			102	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62354

62355

Original: H10070767005

MS Analysis Date/Time Analyst:

08/10/2010 19:14 NNM

MSD Analysis Date/Time Analyst:

08/10/2010 19:41 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
Gasoline Range Organics	mg/l	0.37	1.0	1.28	1.34	90.9	96.6	36-160 4.4	36
4-Bromofluorobenzene (S)	%	21.2				٠109	107	50-158	30
1,4-Difluorobenzene (S)	%	21.2				106	109	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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#### **QUALITY CONTROL DATA**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

QC Batch:

GCVW/1937

Analysis Method: SW-846 8021B

H10070767016

QC Batch Method:

SW-846 5030

H10070725008

Preparation:

08/10/2010 00:00 by GCV

H10070767017

H10070767020

H10070767022

Associated Lab Samples: METHOD BLANK: 62359

Analysis Date/Time Analyst:

H10070767005

08/10/2010 15:25 JWS

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/i	ND	1.0	
o-Xylene	ug/l	ND	1.0	
Xylenes, Total	ug/l	ND	. 1.0	
1,4-Difluorobenzene (S)	%	98.1	70-130	
4-Bromofluorobenzene (S)	%	103	70-130	

LABORATORY CONTROL SAMPLE: 62360

Analysis Date/Time Analyst:

08/10/2010 15:54 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	21.4	107	70-130	
Ethylbenzene	ug/l	20	20.1	101	70-130	
Toluene	ug/l	20	21.0	105	70-130	
m,p-Xylene	ug/l	40	40.0	100	70-130	
o-Xylene	ug/l	20	19.8	98.9	70-130	
Xylenes, Total	ug/l	60	59.8	99.6	70-130	•
1,4-Difluorobenzene (S)	%			98.7	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:62361

62362

Original: H10070767005

MS Analysis Date/Time Analyst:

08/10/2010 18:18 JWS

MSD Analysis Date/Time Analyst:

08/10/2010 18:46 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	3.2	20	26.1	25.9	115	113	66-141	1.1	31
Ethylbenzene	ug/l	7.6	20	22.9	22.9	76.6	76.5	52-136	0.0	28
m,p-Xylene	ug/l	0.71	40	39.4	39.2	96.6	96.2	60-130	0.4	36
Xylenes, Total	ug/i	ND	60	59.6	59.3	99.3	98.9	60-130	0.4	36
1,4-Difluorobenzene (S)	%	103				100	99.8	70-130		30
4-Bromofluorobenzene (S)	%	104				104	105	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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# Legend

# (S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
*	Recovery/RPD value outside QC limits
+	DCS Concentration
В	Analyte detected in the Method Blank
С	MTBE results were not confirmed by GCMS
D	Recovery out of range due to dilution
E	Results exceed calibration range
Н	Exceeds holding time
1.	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
ND	Not Detected at reporting Limits
Р	Pesticide dual column results, greater then 25%
Q	Received past holding time
TNTC	Too numerous to count
Ų	Not Detected at reporting Limits

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# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10070767001	MW-21	SW-846 8015B DRO LVI	EXTO/2044	SW-846 8015B DRO LVI	GCSV/1817
H10070767002	MW-16	SW-846 8015B DRO LVI	EXTO/2044	SW-846 8015B DRO	GCSV/1817
H10070767003	MW-20	SW-846 8015B DRO LVI	EXTO/2044	SW-846 8015B DRO	GCSV/1817
H10070767004	MW-25	SW-846 8015B DRO LVI	EXTO/2044	SW-846 8015B DRO	GCSV/1817
H10070767005	MW-24	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
H10070767006	MW-15	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
H10070767007	MW-4	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
H10070767008	MW-5	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
H10070767009	MW-26	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
H10070767010	MW-27	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
H10070767011	MW-23	SW-846 8015B DRO LVI	EXTO/2044	LVI SW-846 8015B DRO	GCSV/1817
	22			, LVI	3337,1311
H10070767012	MW-22	SW-846 8015B DRO LVI	EXTO/2045	SW-846 8015B DRO	GCSV/1816
H10070767013	MW-13	SW-846 8015B DRO LVI	EXTO/2045	SW-846 8015B DRO LVI	GCSV/1816
H10070767014	MW-19	SW-846 8015B DRO LVI	EXTO/2045	SW-846 8015B DRO LVI	GCSV/1816
H10070767015	MW-14	SW-846 8015B DRO LVI	EXTO/2045	SW-846 8015B DRO LVI	GCSV/1816
H10070767016	MW-18	SW-846 8015B DRO LVI	EXTO/2045	SW-846 8015B DRO	GCSV/1816
H10070767017	MW-12	SW-846 8015B DRO LVI	EXTO/2045	LVI SW-846 8015B DRO	GCSV/1816
H10070767018	SVE-10	SW-846 8015B DRO LVI	EXTO/2045	LVI SW-846 8015B DRO	GCSV/1816
H10070767019	MW-11	SW-846 8015B DRO LVI	EXTO/2045	LVI SW-846 8015B DRO	GCSV/1816
H10070767020	MW-6	SW-846 8015B DRO LVI	EXTO/2045	LVI SW-846 8015B DRO	GCSV/1816
H10070767021	Dup #1	SW-846 8015B DRO LVI	EXTO/2045	LVI SW-846 8015B DRO	GCSV/1816
H10070767022	Dup #2	SW-846 8015B DRO LVI	EXTO/2045	LVI SW-846 8015B DRO	GCSV/1816
	·			LVI	
H10070767001	MW-21	EPA 300.0	IC/1400		
H10070767002	MW-16	EPA 300.0	IC/1400		
H10070767003	MW-20	EPA 300.0	IC/1400		
H10070767004	MW-25	EPA 300.0	IC/1400		
110070767005	MW-24	EPA 300.0	IC/1400		
H10070767006	MW-15	EPA 300.0	IC/1400		
H10070767007	MW-4	EPA 300.0	IC/1400		

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# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10070767008	MW-5	EPA 300.0	IC/1400		
H10070767009	MW-26	EPA 300.0	IC/1400		
H10070767010	MW-27	· EPA 300.0	IC/1400		
H10070767011	MW-23	EPA 300.0	IC/1400		
H10070767012	MW-22	EPA 300.0	IC/1400		
H10070767013	MW-13	EPA 300.0	IC/1400		
H10070767014	MW-19	EPA 300.0	IC/1400		
H10070767015	MW-14	EPA 300.0	IC/1400	•	
H10070767016	MW-18	EPA 300.0	IC/1400		•
H10070767017	MW-12	EPA 300.0	IC/1400		
H10070767018	SVE-10	EPA 300.0	IC/1400	•	
H10070767019	MW-11	EPA 300.0	IC/1400		
H10070767020	MW-6	EPA 300.0	IC/1400		
H10070767021	Dup #1	EPA 300.0	IC/1400		•
H10070767022	Dup #2	EPA 300.0	IC/1400		
H10070767001	MW-21	SW-846 8015B GRO Gas	GCVW/1897	SW-846 8015B GRO Gas	GCVW/1898
H10070767002	MW-16	SW-846 5030	GCVW/1899	SW-846 8021B	GCVW/1900
H10070767003	MW-20	SW-846 5030	GCVW/1899	SW-846 8021B	GCVW/1900
H10070767004	MW-25	SW-846 5030	GCVW/1899	SW-846 8021B	GCVW/1900
H10070767002	MW-16	SW-846 8015B GRO Gas	GCVW/1901	SW-846 8015B GRO	GCVW/1902
H10070767003	MW-20	SW-846 8015B GRO Gas	GCVW/1901	Gas SW-846 8015B GRO Gas	GCVW/1902
H10070767004	MW-25	SW-846 8015B GRO Gas	GCVW/1901	SW-846 8015B GRO Gas	GCVW/1902
H10070767013	MW-13	SW-846 5030	GCVW/1905	SW-846 8021B	GCVW/1906
H10070767014	MW-19	SW-846 5030	GCVW/1905	SW-846 8021B	GCVW/1906
H10070767023	Trip Blank	SW-846 5030	GCVW/1905	SW-846 8021B	GCVW/1906
H10070767013	MW-13	SW-846 8015B GRO Gas	GCVW/1907	SW-846 8015B GRO Gas	GCVW/1908
H10070767014	MW-19	SW-846 8015B GRO Gas	GCVW/1907	SW-846 8015B GRO Gas	GCVW/1908
H10070767023	Trip Blank	SW-846 8015B GRO Gas	GCVW/1907	SW-846 8015B GRO Gas	GCVW/1908

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# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10070767015	MW-14	SW-846 5030	GCVW/1917	SW-846 8021B	GCVW/1918
H10070767018	SVE-10	SW-846 5030	GCVW/1917	SW-846 8021B	GCVW/1918
H10070767015	MW-14	SW-846 8015B GRO Gas	GCVW/1919	SW-846 8015B GRO Gas	GCVW/1920
H10070767018	SVE-10	SW-846 8015B GRO Gas	GCVW/1919	SW-846 8015B GRO Gas	GCVW/1920
H10070767006	MW-15	SW-846 8015B GRO Gas	GCVW/1921	SW-846 8015B GRO Gas	GCVW/1922
H10070767007	MW-4	SW-846 8015B GRO Gas	GCVW/1921	SW-846 8015B GRO Gas	GCVW/1922
H10070767008	MW-5	SW-846 8015B GRO Gas	GCVW/1921	SW-846 8015B GRO Gas	GCVW/1922
H10070767009	MW-26	SW-846 8015B GRO Gas	GCVW/1921	SW-846 8015B GRO Gas	GCVW/1922
H10070767010	MW-27	SW-846 8015B GRO Gas	GCVW/1921	SW-846 8015B GRO Gas	GCVW/1922
H10070767011	MW-23	SW-846 8015B GRO Gas	GCVW/1921	SW-846 8015B GRO	GCVW/1922
H10070767012	MW-22	SW-846 8015B GRO Gas	GCVW/1921	Gas SW-846 8015B GRO Gas	GCVW/1922
, H10070767017	MW-12	SW-846 5030	GCVW/1923	SW-846 8021B	GCVW/1924
H10070767019	MW-11	SW-846 5030	GCVW/1923	SW-846 8021B	GCVW/1924
H10070767021	Dup #1	SW-846 5030	GCVW/1923	SW-846 8021B	GCVW/1924
H10070767024	Trip Blank #2	SW-846 5030	GCVW/1923	SW-846 8021B	GCVW/1924
H10070767005	MW-24	SW-846 5030	GCVW/1925	SW-846 8021B	GCVW/1926
H10070767017	MW-12	SW-846 5030	GCVW/1925	SW-846 8021B	GCVW/1926
H10070767017	MW-12	SW-846 8015B GRO Gas	GCVW/1927	SW-846 8015B GRO Gas	GCVW/1928
H10070767019	MW-11	SW-846 8015B GRO Gas	GCVW/1927	SW-846 8015B GRO Gas	GCVW/1928
H10070767021	Dùp #1	SW-846 8015B GRO Gas	GCVW/1927	SW-846 8015B GRO Gas	GCVW/1928
H10070767001	MW-21	SW-846 5030	GCVW/1929	SW-846 8021B	GCVW/1930
H10070767006	MW-15	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932
H10070767007	MW-4	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932
H10070767008	MW-5	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932
H10070767009	MW-26	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932
H10070767010	MW-27	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932

Report ID: H10070767\_6159

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Phone: (713) 660-0901 Fax: (713) 660-8975

# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10070767: East Hobbs Junction

Project Number: East Hobbs Junction /

		•			
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10070767011	MW-23	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932
H10070767012	MW-22	SW-846 5030	GCVW/1931	SW-846 8021B	GCVW/1932
H10070767016	MW-18	SW-846 8015B GRO Gas	GCVW/1935	SW-846 8015B GRO Gas	GCVW/1936
H10070767020	MW-6	SW-846 8015B GRO Gas	GCVW/1935	SW-846 8015B GRO Gas	GCVW/1936
H10070767022	Dup #2	SW-846 8015B GRO Gas	GCVW/1935	SW-846 8015B GRO Gas	GCVW/1936
H10070767005	MW-24	SW-846 8015B GRO Gas	GCVW/1936		
H10070767005	<b>MW-24</b>	SW-846 5030	GCVW/1937	SW-846 8021B	GCVW/1938
H10070767016	MW-18	SW-846 5030	GCVW/1937	SW-846 8021B	GCVW/1938
H10070767017	MW-12	SW-846 5030	GCVW/1937	SW-846 8021B	GCVW/1938
H10070767020	MW-6	SW-846 5030	GCVW/1937	SW-846 8021B	GCVW/1938
H10070767022	Dup #2	SW-846 5030	GCVW/1937	SW-846 8021B	GCVW/1938

Report ID: H10070767\_6159



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# Sample Receipt Checklist

WorkOr	der:	H10070767	Received By	LOG
Date and	d Time	07/29/2010 09:00	Carrier Name:	FEDEXS
Tempera	ature:	4:0/3.0/4.5°C	Chilled By:	Water Ice
Airbill - Te	emp: 871147038525-3	.0C-60lb/871147038536-4.5C-50lb/871147038547	7-4.0C-52lb/	
1. Ship	oping container/cooler	in good condition?		YES
2. Cust	tody seals intact on sh	lipping container/cooler?		YES
3. Cust	tody seals intact on sa	imple bottles?		Not Present
4. Chai	in of custody present?			YES
5. Chai	in of custody signed w	hen relinquished and received?	,	YES
	in of custody agrees w			NO
_	received a second Tri	p Blank not listed on the COC.		YES
7. Odin	ipies in proper contain	onsolde.		
8. Sam	nples containers intact	?		YES
9. Suffi	ficient sample volume	for indicated test?		YES
10. All s	samples received within	n holding time?		YES
11. Con	itainer/Temp Blank ten	nperature in compliance?		YES
12. Wat	ter - VOA vials have ze	ero headspace?		YES
13. Wat	ter - Preservation chec	ked upon receipt(except VOA*)?		Not Applicable
*VO	A Preservation Check	ed After Sample Analysis		
SPL	. Representative:		Contact Date & Time:	

Report ID: H10070767\_6159

Client Name Contacted: Client Instructions:



Phone: (713) 660-0901 Fax: (713) 660-8975

Sived by:	H10070767   Problem   Pr			1	*	ŀ	1	Ė	ŀ			harran	SM Ambassadar Caffor Dadissa		1 9880 Interchance Drive
1   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Results:   Family   Special Reparting Requirements   Family   Special Reparting   Special	Hamil   Pope   Special Detection Limits (specify):   A Received by:   A	UNIONI		abora	~ & y	Receive	<b>3</b>	ું	<u>7</u> ā	7/m	Selent Selent			quished by:	requires prior notice
Special Reporting Requirements   Results:   Sundand QC   Lond QC	TIME    Comp grab				ed by:	Receiv	4	स	tim		date		ė	luished by:	53 00
Special Reporting Requirements   Restite:   Par     Special Detection Limits (specify):   Part     Part     Part     Part     Part     Part     Part     Part     Part     Part     Part   Part   Part     Part   Part   Part     Part   Part     Part     Part     Part     Part     Part     Part     Pa	1300   1300				ed by:	Receiv	12	00	1	21/10	7/2		Yseworth	Sampler:	X Standard 1.
Special Reparting Requirements Results:   Par	The port of Containers    Container   Cont									ECAP (	1.4 8	TRRP		1 Oc Level 3 Oc .	Contract
SPL, Inc.   TX   Zth   State   TX   Zth   Zt	13:3   12:25   15   16   16   16   16   16   16   1	PM nevie		<b>y)</b> ;	(specif	Limits	tection	cial De	Spc L	POF.			Results:	Reporting Requirement	
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SPL, Inc.	TIME							5	<	4	4		1313	•	MW-25
SPL, Inc.	TINE    Color		×		-	-	×	5	70				4		•
SPL, Inc.	TIME    Comp gab   Com		Ê	-	-	2	_	$\varepsilon$	A						
SPL, Inc.   Intro Tal.   Maintenance   Record   Maintenance   Record   Maintenance   Record   Maintenance   Record   Maintenance   Record   Record   Maintenance   Record	TIME  W=water S=soil O=oil A=air man start    W=water S=soil O=oil A=air man start    W=water S=soil O=oil A=air man start    W=water S=soil O=oil A=air man start    SL=sludge E=encore X=other    D D C D C P=plastic A=amber glass   G=glass V=vial X=other    Requested  W=water S=soil O=oil A=air man start    N= SL=sludge E=encore X=other    D D C D C S    == 1 liter 4=40z 40=vial    == 80z 16=160z X=other    Number of Containers    131 \( \times \)			Ĥ	1	5		20	<		_		1300		Mm. 20
SPL, Inc.  SPL, Inc.  SPL, Inc.  Sum: TX Zb ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	TIME  W=water S=soil O=oil A=air sand SL=sludge E=encore X=other SL=sludge E=encore X=other SL=sludge E=encore X=other SL=sludge SL=slud		×		<u> </u>	_	×	7	U	<u> </u>			4		
SPL, Inc.  SPL, Inc.  SPL, Inc.  H10070767  Appendix Chain of Custody Record  SPL, Inc.  SPL, Inc.  H10070767  Appendix Chain of Custody Record  Matrix Chair Fig., Sprins, State TX Zib 200265  Minart: Chair Fig., Sprins, State TX Zib	TIME  W=water S=soil O=oil A=air SL=sludge E=encore X=other SL=sludge E=enc		<del> </del> ^	×	ļ	2	_	3	A	_					
SPL, Inc.   H10070767   Analysis Request & Chain of Custody Record   1910   N. 13.5   Sprins   State   T.   Zib   Mark   T.   Zib   Mark   T.   Zib   T.	TIME    Composition   Composit		<del> </del>	Ĥ	<del> </del>		_	유	<.		-		12.38		Mw-16
SPL, Inc.   Hamilian	TIME    Comp   C		×			-	×	2	~				•		4
SPL, Inc.   SPL,	TIME  W=water S=soil O=oil A=air = SL=sludge E=encore X=other SL=sludge E=e		Ĥ	×	-	2	_	8	P						
SPL, Inc.  SPL, Inc.  SPL, Inc.  Analysis Request & Chain of Custody Record  Philo N 13.4 527  State TX Zib 1978-55  State TX Zib 1978-55  Finall: 4070-767  Requested  Ph. Hobbs Junction  Email: 4070-7690 & televater televater  Ph. Hobbs Junction  Email: 4070-7690 & televater  Ph. Hobbs Junction  Email: 4070-7690 & televater  Ph. Hobbs Junction  Email: 4070-7690 & televater  Ph. Hobbs Junction  Ph. Hobbs Junction  Requested  Requested  Ph. Hobbs Junction  Requested  Requ	W=water S=soil O=oil A=air strict SL=sludge E=encore X=other x P=plastic A=amber glass G=glass V=vial X=other  1=1 liter 4=4oz 40=vial strict 8=8oz 16=16oz X=other  1=HC1 2=HNO3 3=H2SO4 X=other Number of Containers  B1EX & Z1  CHRC 8015  DRO 80.5  Chleride 3002.0  The strict				-		_	9	ļ	3	$\times$		1225	2/22/10	MW-21
SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  H10070767  Analysis Request & Chain of Custody Record  Matrix Processes & Chain of Custody Record  Matrix Proc	vater S=soil O=oil A=air siludge E=encore X=other siludge E=encore X=ot		<del></del>					8=80	G=g	W=y SL=		<del></del>	Ph: TIME	DATE [	SAM
Request & Chain of Custody Record    SPL, Inc.   H10070767     If   N   3.5   52 cm.     If   N   4.5   52 cm.     If   N   52 cm.     I	r S=soil O=oil A=air ange E=encore X=other Requested  A=amber glass V=vial X=other  4=40z 40=vial 6=160z X=other  2=HNO3 4 X=other  of Containers  Requested  Requested  30cc. c Requested							z 1	lass	vate slud					16.6hbs
SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  SPL, Inc.  H10070767   Analysis Request & Chain of Custody Record  Inc.  Mage  Matrix bottle size press  Analysis Request & Chain of Custody Record  Mage  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Matrix bottle size press  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Custody Record  Analysis Request & Chain of Cus	soil O=oil A=air matrix E=encore X=other X=other Steel  A=amber glass =vial X=other steel  =40z 40=vial floz X=other  =HNO3 X=other  ontainers  Z1  S Requested  Rec2. c Rec2. c Rec3. c Rec4.							6=1·	V	r S: ge					Fast
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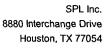
3880 Interchange Drive Houston, TX 77054 (713) 660-0901	Rush TAT requires prior notice	ichs Days	2 Business Days (2) Standard	<b>⊠</b>	<u> </u>	Requested TAT		Client/Consultant Remarks:	<b>\</b>	MW-4	4		PA 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12			M10-24	<b>*</b>	M10-25	SAMPI	~	m: Heb	-	9	Client Contact: Gray Por	\$	4. Nond	Address: 1910 N 1313 57112	Client Name: Tetra Tech	Analysis R	
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Report ID: H10070767\_6159



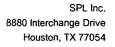


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Phone: (713) 660-0901. Fax: (713) 660-8975



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Phone: (713) 660-0901 Fax: (713) 660-8975

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Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

November 11, 2010

Workorder: H10100680

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 **Project: East Hobbs Junction** 

Project Number: EHJ / 114-6400709 Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

This Report Contains A Total Of 40 Pages

**Excluding Any Attachments** 

Report ID: H10100680\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

November 11, 2010

Workorder: H10100680

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

**Project: East Hobbs Junction** 

Project Number: EHJ / 114-6400709

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

#### 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.

8015 - Diesel Range Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not analyzed with Batch ID: EXTO/2440. 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).

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# Certificate of Analysis

November 11, 2010

Midland, TX 79705

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Workorder: H10100680

**Project: East Hobbs Junction** 

Project Number: EHJ / 114-6400709

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

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 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, Senior Project Manager

**Enclosures** 

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# **SAMPLE SUMMARY**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID	Sample ID	Matrix	COCID	Date/Time Collected	Date/Time Received
H10100680001	MW-21	Water		10/26/2010 12:25	10/28/2010 09:28
H10100680002	MW-16	Water		10/26/2010 12:40	10/28/2010 09:28
H10100680003	MW-20	Water		10/26/2010 12:55	10/28/2010 09:28
H10100680004	MW-25	Water		10/26/2010 13:10	10/28/2010 09:28
H10100680005	MW-24	Water		10/26/2010 13:20	10/28/2010 09:28
H10100680006	DUP	Water		10/26/2010 00:00	10/28/2010 09:28
H10100680007	MW-15	Water		10/26/2010 13:55	10/28/2010 09:28
H10100680008	MW-4	Water		10/26/2010 14:05	10/28/2010 09:28
H10100680009	MW-5	Water		10/26/2010 14:15	10/28/2010 09:28
H10100680010	Trip Blank	Water		10/26/2010 00:00	10/28/2010 09:28

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# **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680001

Date/Time Received: 10/28/2010 09:28 Matrix: Water

Sample ID: MW-21

Date/Time Collected: 10/26/2010 12:25

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Bi	atches:			
in the second second second second second second second second second second second second second second second	Batch: 2251 SW-846 802				
					ar w
	Results				Batch Information
Parameters :	ug/I Qual	Report Limit	MDL.	DF RegLi	mt Prep Analysis
Benzene	ND	1.0	0.32	1	2251
Ethylbenzene	ND	1.0	0.22	1	2251
Toluene	ND	1.0	0.19	1	2251
m,p-Xylene	ND	1.0	0.29	1	2251
o-Xylene	ND	1.0	0.21	1	2251
Xylenes, Total	ND	1.0	0.21	1	2251
1,4-Difluorobenzene (S)	96.9 %	70-130		1	2251
4-Bromofluorobenzene (S)	101 %	70-130		1	2251
Preservation pH	<2			1	2251

# Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas Batch: 2245 SW-846 800	The second of the second			
Parameters	Results <b>mg/i</b> Qual	Report Limit	MDL	DF Reg	. Batch information Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2245
1,4-Difluorobenzene (S)	102 %	60-155		1	2245
4-Bromofluorobenzene (S)	104 %	50-158		1	2245

#### Diesel Range Organics (DRO)

Analysis:Desc::SW-846.8015B DRO LVI	Preparation Batches:					
	Batch: 2440 TSW-846 80	15B DRO LVI on 1	1/02/2010 1	6:08 by A_G		
	'Analytical Batches:					
	Batch: 2136 SW-846 80	15B DRO LVI on 1	1/04/2010 1	1:07 by NDW		
Parameters.	Results	Report Limit	MDL	DF Rec	Batch Info	rmation : Analysis
		Control of the Control				en en en
Diesel Range Organics(C10-C28)	ND	0.050	0.012	7	2440	2136
n-Pentacosane (S)	93.2 %	10-185		1	2440	2136

#### **WET CHEMISTRY**

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# **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

Chloride

H10100680001

Date/Time Received: 10/28/2010 09:28

Water

Sample ID: MW-21

Date/Time Collected: 10/26/2010 12:25

50.0

12.6

100

<u></u>		
Analysis Desc. EPA 300.0	Analytical Batches:	
	Batch: 1538 EPA 300.0 on 11/08/201	10.13:35 by ESK
	Results	Batch Information
Parameters	mg/I Qual Report Li	mit MDL DF RegLmt Prep Analysis
	ill y	

944

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2251

#### ANALYTICAL RESULTS

Workorder: H10100680: East Hobbs Junction

'Project Number: EHJ / 114-6400709

Lab ID:

H10100680002

Date/Time Received: 10/28/2010 09:28

Water

Sample ID: MW-16

Date/Time Collected: 10/26/2010 12:40

**VOLATILES** 

Analysis Desc: SW-846 80218	SW-846 5030Analytical Ba Batch: 2251 SW-846 802		07:21 by N	ŃM	
Rarameters :	Results ug/lir Qual	Report Limit	MDL	DF Regl	Batch Information mt Prep Analysis
Benzene	ND	1.0	0.32	1	2251
Ethylbenzene	ND	1.0	0.22	1	2251
Toluene	ND	1.0	0.19	1	2251
m,p-Xylene	ND	1.0	0.29	1	2251
o-Xylene	ND	1.0	0.21	1	2251
Xylenes, Total	ND	1.0	0.21	1	2251
1,4-Difluorobenzene (S)	96.7 %	70-130		1	2251
4-Bromofluorobenzene (S)	101 %	70-130		1	2251

Gasoline Range Organics (GRO)

Preservation pH

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas/		7		g Ben
	Batch: 2245 SW-846 801	5B GRO Gas on 11	/04/2010 (	07:21 by NNM	
	Results				Batch Information
Parameters	mg/I Qual	Report Limit	MDL	DF Regl	mt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2245
1,4-Difluorobenzene (S)	102 %	60-155		1	2245
4-Bromofluorobenzene (S)	106 %	50-158		1	2245

<2

# Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:				
	Batch: 2440 SW-846 80	15B DRO LVI on 11/02	2/2010 16:08 by A <u>.</u> G.		
	Analytical Batches:		(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	#	
	Batch: 2136 SW4846'80	15B DRO LVI on 11/04	V2010:11:56 by NDW		
Parameters	Results	Report Limit	MDL DF Regi		ormation Analysis
	ilig/i			-111	
Diesel Range Organics(C10-C28)	ND	0.050	.012 1	2440	2136
n-Pentacosane (S)	101 %	10-185	1	2440	2136

# WET CHEMISTRY

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# **ANALYTICAL RESULTS**

Workorder: H10100680 : East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

Chloride

H10100680002

Date/Time Received: 10/28/2010 09:28

Matrix:

10

Water

Sample ID: MW-16

Date/Time Collected: 10/26/2010 12:40

5.00

1.26

Analysis Desc: EPA 300:0 Analytical Batches:

Batch: 1538 EPA 300:0 on 11/08/2010 13:52 by ESK

Results Batch Information
Parameters Trig/I Qual Report Limit MDL DF RegLmt Prep Analysis

134

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2251

2251

2251

#### **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680003

Date/Time Received: 10/28/2010 09:28

Water

Matrix:

Sample ID: MW-20

Date/Time Collected: 10/26/2010 12:55

70-130

70-130

**VOLATILES** 

Analysis Desc: SW-846/8021B	SW-846 5030Analytical Batch	1 <b>0</b> 5:			
	Batch: 2251 . SW-846 8021B	on 11/04/2010	07:49 by N	NM:	
	Results			a Green	Batch Information
Parameters	ug/l Qual F	Report Limit	MDL	DF RegLm	t Prep Analysis
Benzene	ND ND	1.0	0.32	1	2251
Ethylbenzene	ND	1.0	0.22	1	2251
Toluene	ND	1.0	0.19	1	2251
m,p-Xylene	ND	1.0	0.29	1	2251
o-Xylene	ND	1.0	0.21	1	2251
Xylenes, Total	ND	1.0	0.21	1	2251

96.9 %

101 %

<2

**Gasoline Range Organics (GRO)** 

1,4-Difluorobenzene (S)

Preservation pH

4-Bromofluorobenzene (S)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas Batch: 2245 SW-846 80	A SHOULD BE SHOULD BE SHOULD BE		49 by NNM	
Parameters	Results <b>mg/l</b> Qual	Report Limit	MDL	DF Regu	Batch information mt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2245
1,4-Difluorobenzene (S)	102 %	60-155		1	2245
4-Bromofluorobenzene (S)	105 %	50-158		1	2245

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches					
		Assessa	4/00/00404			
	Batch: 2440 SW-846.80	IDB DRO EVIOR I	1/02/2010 1	6.08 by A_Gr		100
	Analytical Batches:		7			
	Batch: 2136 SW-846 80	15B DRO LVII on 1	1/04/2010 1	2:44 by NDW		9
	Results			4.0	Batch Info	
Parameters		Report Limit	MDL	DF Req	Control of the Contro	
r di alliatais	mg/Is Quality	Kepurchiik	WIDE	Di iteg	cill, riep	Malysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2440	2136
n-Pentacosane (S)	101 %	10-185		1	2440	2136

**WET CHEMISTRY** 

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680003

Date/Time Received: 10/28/2010 09:28

:28 Matrix:

Water

Sample ID: MW-20

Date/Time Collected: 10/26/2010 12:55

Analysis Desc: EPA 300:0 Analytical Batches:

Batch: 1538 / EPA 300:0 on 11/08/2010 14:06 by ESK

Results Batch Information
Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

 Chloride
 130
 5.00
 1.26
 10
 1538

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680004

. . . . . .

Sample ID: MW-25

Date/Time Collected: 10/26/2010 13:10

**VOLATILES** 

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	latches: 🔑 📜					
The sufficiency	Batch: 2251 SW-846 8021B on 11/04/2010 08:18 by NNM						
	Results				Batch Information		
Parameters	ug/i Qual	Report Limit	MDL	DF Re	gLmt Prep Analysis		
Benzene	ND	1.0	0.32	1	2251		
Ethylbenzene	, ND	1.0	0.22	1	2251		
Toluene	ND	1.0	0.19	1	2251		
m,p-Xylene	ND	1.0	0.29	1	2251		
o-Xylene	ND	1.0	0.21	1	2251		
Xylenes, Total	· ND	1.0	0.21	1	2251		
1,4-Difluorobenzene (S)	96.8 %	70-130		1	2251		
4-Bromofluorobenzene (S)	99.1 %	70-130		1	2251		
Preservation pH	<2			1	2251		

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas	SW-846.8015B GRO Gas Batch: 2245: SW-846.80		the state of the		
Parameters	Results mg/l Quali	Report Limit	MDL	DF Rec	Batch Information Lmt: Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	. 2245
1,4-Difluorobenzene (S)	102 %	60-155		1	2245
4-Bromofluorobenzene (S)	104 %	50-158		1	2245

**Diesel Range Organics (DRO)** 

n-Pentacosane (S)	117 %	10-185		1	2440	2136
Diesel Range Organics(C10-C28)	0.11	0.050	0.012	1	2440	2136
Parameters .	mg/I Qual	Report Limit	MDL	Dr. RegL	mt Prep A	nalysis
	Results				Batch Info	ACTES TO SUCCESS MAJOR B
		and the second				
	Batch: 2136 SW-846 80	15B DRO LVI on 1	1/04/2010-13:	33 by NDW		
	Analytical Batches:					4.0
and the second of the second o	Batch: 2440 SW-846 80	i15B DRO LVI on 1	1/02/2010 16:	08 by A_G		
'Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:				and the second	

**WET CHEMISTRY** 

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680004

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-25

Date/Time Collected: 10/26/2010 13:10

	nalytical Batches: latch: 1538 EPA 300:0 on Results mg/L Qual	11/08/2010 14:22 Report Limit			Batch Information
Chloride	118	5.00	1.26	10	1538

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680005

Date/Time Received: 10/28/2010 09:28

Water

Sample ID: MW-24

Date/Time Collected: 10/26/2010 13:20

VO	LA	TH	ES

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:			
	Batch: 2251 SW-846 802	21B on 11/04/2010	08:45 by NI	'MV	
					5
Parameters.	Results ug/I Qual	Report Limit	MDL	DF :: RegLmt	Batch Information Prep: Analysis:
Benzene	2.0	1.0	0.32	1	2251
Ethylbenzene	3.7	1.0	0.22	1	2251
Toluene	ND	1.0	0.19	· 1	2251
Total BTEX	5.7	1.0	0.19	1	2251
m,p-Xylene	ND	1.0	0.29	1	2251
o-Xylene	ND	1.0	0.21	1	2251
Xylenes, Total	, ND	1.0	0.21	1	2251
1,4-Difluorobenzene (S)	100 %	70-130		1	2251
4-Bromofluorobenzene (S)	101 %	70-130		1	2251
Preservation pH	<2			1	2251

## Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas	Analytical Batches	i.		
	Batch: 2245 FSW-846 80	15B GRO Gas on	11/04/2010	08:45 by NNM	
	Results				Batch Information
Parameters	mg/I Qual	Report Limit	MDL	DF Re	Lmt Prep Analysis
Gasoline Range Organics	0.22	0.10	0.017	1	2245
1,4-Difluorobenzene (S)	112 %	60-155		1	2245
4-Bromofluorobenzene (S)	106 %	50-158		1	2245

## Diesel Range Organics (DRO)

ziooo, italigo organioo (zite)						
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:	grand and the second				
	Batch: 2440 SW-846 80	15B DRO LVI on 1	1/02/2010 1	6:08 by A_G		
	Analytical Batches	Post Contract			1 W 1 W	
	Batch: 2136 SW-846 80	15B DRO LVI on 1	1/04/2010 1	4:20 by NDW		***
and the second s	Results				Batch Infor	ake a house on a count of a district
Parameters	mg/I Qual	Report Limit	MDL	DF. Regl	.mt :: Prep /A	nalysis
Diesel Range Organics(C10-C28)	0.20	0.050	0.012	1	2440	2136
n-Pentacosane (S)	89.4 %	10-185		1	2440	2136

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## **ANALYTICAL RESULTS**

Workorder: H10100680 : East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680005

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-24

Date/Time Collected: 10/26/2010 13:20

Analysis Desc: EPA 300:0 Analytical Batches:

Batch: 1538 EPA 300 0 on 11/08/2010 14:37 by ESK.

Results Batch Information Batch Information mg/I Qual Report Limit DF RegLimit Prep Analysis

 Chloride
 221
 10.0
 2.52
 20
 1538

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680006

Date/Time Received: 10/28/2010 09:28

Water

Matrix:

Sample ID: DUP

Date/Time Collected: 10/26/2010 00:00

		-	
vo	LA	ш	LES

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Batch: 2251 SW-846 8		09:13 by N	INM	
Parameters :	. Results ug/i Qual	Report Limit	MDL	DF RegL	Batch Information mt Prep Analysis
Benzene	2.3	1.0	0.32	1	2251
Ethylbenzene	4.7	1.0	0.22	1	2251
Toluene	ND	1.0	0.19	1	2251
Total BTEX	7	1.0	.0.19	1	2251
m,p-Xylene	ND	1.0	0.29	1	2251
o-Xylene	ND	1.0	0.21	1	2251
Xylenes, Total	ND	1.0	0.21	1	2251
1,4-Difluorobenzene (S)	99.7 %	70-130		1	2251
4-Bromofluorobenzene (S)	102 %	70-130		1	2251
Preservation pH	<2			1	2251

## Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas.  Batch: 2245 SW-846 801  Results:  mg/l: Qual	5B GRO Gas on 1			li Batch Information gLmt Prep Analysis
Gasoline Range Organics	0.21	0.10	0.017	1	2245
1,4-Difluorobenzene (S)	110 %	60-155		1	2245
4-Bromofluorobenzene (S)	106 %	50-158		1	2245

## Diesel Range Organics (DRO)

n-Pentacosane (S)	103 %	10-185		1	2440	2136
Diesel Range Organics(C10-C28)	0.24	0.050	0.012	1	2440	2136
Parameters	mg/l Qual	Report Limit	MDL.	DF Rec	jLmt Prep /	Analysis
	Results	tion for the second sec			, Batch Info	utacaineceanimainai/Res
	ing state of the party of the state of					
	Batch: 2136 , SW-846 80	I5B DRO LVI on 11	/04/2010:15	07 by NDW		
	Analytical Batches:					
	Batch: 2440 SW-846 80	I5B DRO LVI on 11	/02/2010 16	.08 by A_G		
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches		4	4.0		10

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680006

Date/Time Received: 10/28/2010 09:28

Water

Matrix:

Sample ID: DUP

Date/Time Collected: 10/26/2010 00:00

	nalytical Batches: atch: 1538 EPA 300.0 or Results: mg/l - Qual			DF Reg	Batch information Lmt Prep Analysis
Chloride	214	10.0	2.52	20	1538

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680007

Date/Time Received: 10/28/2010 09:28

Water

Sample ID: MW-15

Date/Time Collected: 10/26/2010 13:55

**VOLATILES** 

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:			-
egy egy and a grant of the second of the sec	Batch: 2255 SW-846 80	21B on 11/04/2010	22:11 by N	NM .	
Liver Control of Control					
	Results				Batch Information
Parameters	ug/I' Qual	Report Limit	MDL	DF Reg	Lmt ∴ Prep Analysis
Benzene	ND	1.0	0.32	1	2255
Ethylbenzene	ND	1.0	0.22	1	2255
Toluene	ND	1.0	0.19	1	2255
m,p-Xylene	ND	1.0	0.29	1	2255
o-Xylene	ND	1.0	0.21	1	2255
Xylenes, Total	ND	1.0	0.21	1	2255
1,4-Difluorobenzene (S)	96.8 %	70-130		1	2255
4-Bromofluorobenzene (S)	96.4 %	70-130		1	2255
Preservation pH	<2			1	2255

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas.  Parameters	SW-846 8015B GRO Ga Baich: 2253 SW-846 80 Results mg/l · Qual	and the	1/04/2010/2		Batch Information Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2253
1,4-Difluorobenzene (S)	101 %	60-155		1	2253
4-Bromofluorobenzene (S)	102 %	50-158		1	2253

Diesel Range Organics (DRO)					*	
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Batch: 2440 SW-846 801	ISB DRO LVI on 1	1/02/2010 1	6:08 by A <u>.</u> G		
	Analytical Batches:		44		1 A 4	
	Batch: 2136 SW-846 801	ISB DRO LVI ón 1	1/04/2010 1	5:53 by NDW	, it is	
	Results				Batch Info	Figure State Control of the Control
Parameters:	mg/I Quai	Report Limit	MDL	DF RegL	mt Prep /	Analysis
Diesel Range Organics(C10-C28)	0.48	0.050	0.012	1	2440	2136
n-Pentacosane (S)	106 %	10-185		1 .	2440	2136

**WET CHEMISTRY** 

Report ID: H10100680\_6159

Printed: 11/11/2010 17:55

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Phone: (713) 660-0901 Fax: (713) 660-8975

## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680007

Date/Time Received: 10/28/2010 09:28

Matrix:

Water

Sample ID: MW-15

Date/Time Collected: 10/26/2010 13:55

Analysis Desc: EPA 300:0	nalytical Batches:				
B	atch: 1538 EPA 300.0 oi	n 11/08/2010 15:09	by ESK		
	Results.		4		Batch Information
Parameters	mg/l Qual :	Report Limit	MDL	DF R	egLmt Prep Analysis
Chloride	183	10.0	2.52	20	1538

Report ID: H10100680\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10100680 : East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680008

Date/Time Received: 10/28/2010 09:28 Matrix:

Matrix: Water

Sample ID: MW-4

Date/Time Collected: 10/26/2010 14:05

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 2255 SW-846 8021B on 11/04/2010 23 33 by NNM

	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	2255
Ethylbenzene	ND	1.0	0.22	1	2255
Toluene	ND	1.0	0.19	1	2255
m,p-Xylene	ND	1.0	0.29	1	2255
o-Xylene	ND	1.0	0.21	1	2255
Xylenes, Total	ND .	1.0	0.21	1	2255
1,4-Difluorobenzene (S)	96.1 %	70-130	•	1	2255
4-Bromofluorobenzene (S)	96.4 %	70-130		1	2255
Preservation pH	<2			1	2255

## **Gasoline Range Organics (GRO)**

Α'n	alvsi	s Desc	: SW	8468	015B	GRO	Gas 🐃	SV	/-846 8	015B"(	GROK	GasAna	ivtical B	atches			40.7		to the state of	
	2260					Various d	777	4.0			Mark (SV)		1 1 1 M	W. 2.5						
								D.	ເລຣ. ດວ	EO CV	V 046	ON4ED	CBC 6		4104100	40.00	-1 -	IN IN A		
								. Da		JO W JV	V-040	פכועם	GRUG	as on 1	1104120	JUIZO.	SOLDY I	IIAIAI 👙		
10.00				2.0	A 100	4	A PART OF THE						* C. C. C.			2.00			AND DESCRIPTION OF	

Parameters	Results <b>mg/l</b> Qual	Report Limit	MDL.	DF Reg	Batch Information Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2253
1,4-Difluorobenzene (S)	102 %	60-155		1	2253
4-Bromofluorobenzene (S)	100 %	50-158		1 .	2253

## Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:			TO WELL THE SECOND	A CONTRACTOR OF THE PARTY OF TH	
And the second of the second o	Batch: 2440 SW-846 801	5B DRO LVI on 1	1/02/2010 1	6:00 by A_G		
	Analytical Batches					20
	Batch: 2136 SW-846 801	5B DRO LVI on 1	1/04/2010 0	6:05 by NDW		
and the Communication Control of the Communication	Results			14.7	Batch Infor	
Parameters :	mg/I_Qual,	Réport Limit	MDL	DF Regi	∡mt.: Prep A	nalysis
Diesel Range Organics(C10-C28)	ND .	0.050	0.012	1	2440	2136
n-Pentacosane (S)	104 %	10-185		1	2440	2136

## **WET CHEMISTRY**

Report ID: H10100680\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680008

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-4

Date/Time Collected: 10/26/2010 14:05

	alytical Batches: tch: 1538 EPA 300:0 or Results mg/I Qual	n 11/08/2010 15:25 Report Limit	by ESK. MDL	DF Regi	Batch Information .mt Prep Analysis
Chloride	61.9	5.00	1.26	10	1538

Report ID: H10100680\_6159

Printed: 11/11/2010 17:55

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#### **ANALYTICAL RESULTS**

Workorder: H10100680 : East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680009

Date/Time Received: 10/28/2010 09:28

Water

Matrix:

Sample ID: MW-5

Date/Time Collected: 10/26/2010 14:15

#### **VOLATILES**

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 2255 SW-846 8021B on 11/05/2010 00:57 by NNM; DF = 1: Batch: 2267 SW-846 8021B on 11/09/2010 09:25 by JWS DF = 1.

Results Batch Information ug/l\_Qual Report Limit Prep Analysis Parameters' MDL DF RegLmt Benzene ND 1.0 0.32 2255 ND Ethylbenzene 1.0 0.22 2255 Toluene ND 1.0 0.19 2255 **Total BTEX** 4.2 1.0 0.19 2267 m,p-Xylene 2.1 1.0 0.29 2267 o-Xylene 2.1 1.0 0.21 2255 Xylenes, Total 4.2 1.0 0.21 2267 1,4-Difluorobenzene (S) 98 % 2255 70-130 1,4-Difluorobenzene (S) 100 % 70-130 2267 4-Bromofluorobenzene (S) 89.3 % 2267 70-130 4-Bromofluorobenzene (S) 101 % 70-130 2255 Preservation pH <2 2255 Preservation pH <2 2267

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	Batch: 2253   SW-846 80 Results	15B GRO Gas on 1	1/05/2010		Batch information Prep: Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2253
1.4-Diffuorobenzene (S)	102 %	60-155	0.017	1	2253
4-Bromofluorobenzene (S)	102 %	50-158		1	2253

#### Diesel Range Organics (DRO)

n-Pentacosane (S)	107 %	10-185		1	2440	2136
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2440	2136
Parameters	mg/I Qual	Report Limit	MDL	DF Reg	jLmt Prep	Analysis:
	Results				Batch Info	SERVICE STREET
	Batch: 2136 SW-846 80	15B DRO LVI on 1	1/04/2010 0	6:40 by NDW		
	Analytical Batches:					
	Batch: 2440 SW-846 80	15B DRO LVI on 1	1/02/2010 1	6:09 by A <u>.</u> G		
Analysis Desc: SW=846 8015B DRO LVI	Preparation Batches:		4.0			

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## **ANALYTICAL RESULTS**

Workorder: H10100680 : East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680009

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-5

Date/Time Collected: 10/26/2010 14:15

WET CHEMISTRY

Analysis Desc: EPA 300:0 Analytical Batches:

Batch: 1538, EPA 300:0 on 11/08/2010 16:46 by ESK

Results Batch Information
Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Chloride 67.2 5.00 1.26 10 1538

Report ID: H10100680\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID:

H10100680010

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: Trip Blank

Date/Time Collected: 10/26/2010 00:00

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B Batch: 2251 SW-846 80		06:26 by N	INM	
Parameters	Results ug/l Qual	Report Limit	MDL	DF Reg	Batch Information  Lmt Prep Analysis
Benzene	ND.	1.0	0.32	1	2251
Ethylbenzene	ND	1.0	0.22	1.	2251
Toluene	ND	1.0	0.19	1.	. 2251
m,p-Xylene	· ND	1.0	0.29	1	2251
o-Xylene	ND ND	1.0	0.21	1	<sup>2251</sup>
Xylenes, Total	ND	1.0	0.21	1	2251
1,4-Difluorobenzene (S)	96.7 %	70-130		1	2251
4-Bromofluorobenzene (S)	101 %	70-130		1 .	2251
Preservation pH	<2			1	2251

Report ID: H10100680\_6159



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## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

GCVW/2244

Analysis Method:

SW-846 8015B GRO Gas

H10100680004

QC Batch Method:

SW-846 5030

H10100680001

Preparation:

H10100680003

11/03/2010 00:00 by GCV

H10100680005

H10100680006

Associated Lab Samples:
METHOD BLANK: 80409

Analysis Date/Time Analyst:

11/04/2010 05:01 NNM

H10100680002

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	% ·	106	50-158	
1,4-Difluorobenzene (S)	%	102	60-155	

LABORATORY CONTROL SAMPLE: 80410

Analysis Date/Time Analyst:

11/04/2010 05:30 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.86	86.0	70-130	
4-Bromofluorobenzene (S)	%			107	50-158	
1,4-Difluorobenzene (S)	%			106	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80411

80412

Original: H10100680001

MS Analysis Date/Time Analyst:

11/04/2010 11:15 NNM

MSD Analysis Date/Time Analyst:

11/04/2010 11:43 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.932	0.929	93.2	92.9	36-160	0.3	36
4-Bromofluorobenzene (S)	%	104				108	108	50-158		
1,4-Difluorobenzene (S)	%	102			i	110	110	60-155		

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.

Report ID: H10100680\_6159



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## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

GCVW/2250

Analysis Method: SW-846 8021B

H10100680003

QC Batch Method:

SW-846 5030

Preparation:

11/03/2010 00:00 by GCV

Associated Lab Samples:

H10100680001

H10100680010

•

H10100680004

H10100680005

H10100680006

METHOD BLANK: 80464

Analysis Date/Time Analyst:

11/04/2010 05:01 NNM

H10100680002

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	
Total BTEX	ug/l	ND	1.0	
Xylenes, Total	ug/l	ND	1.0	
1,4-Difluorobenzene (S)	%	96.7	70-130	
4-Bromofluorobenzene (S)	%	101	70-130	

LABORATORY CONTROL SAMPLE: 80465

Analysis Date/Time Analyst:

11/04/2010 05:57 NNM

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	
Benzene	ug/l	20	20.4	102	70-130	
Ethylbenzene	ug/l	20	19.8	99.1	70-130	•
Toluene	ug/l	. 20	20.0	99.9	70-130	
m,p-Xylene	ug/l	40	38.6	96.6	70-130	
o-Xylene	ug/l	20	19.2	95.9	70-130	
Total BTEX	ug/l	120	60.2	50.2 *	70-130	•
Xylenes, Total	ug/l	60	57.8	96.4	70-130	
1,4-Difluorobenzene (S)	%			96.2	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80466

80467

Original: H10100680002

MS Analysis Date/Time Analyst:

11/04/2010 12:10 NNM

MSD Analysis Date/Time Analyst:

11/04/2010 12:38 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	21.0	20.8	. 105	104	66-141	0.9	31
Ethylbenzene	ug/l	ND	20	20.8	20.7	104	103	52-136	0.6	28
Toluene	ug/l	ND	20	20.9	20.6	104	103	61-131	1.7	25

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: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80466

80467

Original: H10100680002

MS Analysis Date/Time Analyst:

11/04/2010 12:10 NNM

MSD Analysis Date/Time Analyst:

11/04/2010 12:38 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
m,p-Xylene	ug/l	ND	40	40.5	40.2	101	100	60-130	0.8	36
o-Xylene	ug/l	ND	20	19.8	19.7	98.9	98.5	64-130	0.4	30
Total BTEX	ug/l	ND	120	62.7	62.0	52.3	51.7 *	52-141	1.1	36
Xylenes, Total	ug/l	ND	60	60.3	59.9	100	99.8	60-130	0.7	36
1,4-Difluorobenzene (S)	%	96.7				97.2	97.0	70-130		
4-Bromofluorobenzene (S)	%	101				101	99.8	70-130		

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.

Report ID: H10100680\_6159



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## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

GCVW/2252

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

11/04/2010 00:00 by GCV

Associated Lab Samples:

H10100680007

H10100680008

H10100680009

METHOD BLANK: 80481

Analysis Date/Time Analyst:

11/04/2010 20:48 NNM

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	%	99.4	50-158	
1,4-Difluorobenzene (S)	%	101	60-155	

LABORATORY CONTROL SAMPLE: 80482

Analysis Date/Time Analyst:

11/04/2010 21:15 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	,
Gasoline Range Organics	mg/l	1.0	0.904	90.4	70-130	-
4-Bromofluorobenzene (S)	%			105	50-158	
1,4-Difluorobenzene (S)	%			109	60-155	•

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80483

80484

Original: H10100680007

MS Analysis Date/Time Analyst:

11/04/2010 22:38 NNM

MSD Analysis Date/Time Analyst:

11/04/2010 23:06 NNM

Parameter	Units	Original Result	Spike Conc.	MS Resuit	MSD Result	MS % Rec	MSD % Rec	% Rec Limit R	RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.815	0.82	81.4	81.9	36-160	0.6	36
4-Bromofluorobenzene (S)	%	102				104	108	50-158		
1,4-Difluorobenzene (S)	%	101				107	109	60-155		

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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Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

GCVW/2254

Analysis Method: SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

11/04/2010 00:00 by GCV

Associated Lab Samples:

H10100680007

H10100680008

H10100680009

METHOD BLANK: 80505

Analysis Date/Time Analyst:

11/04/2010 20:48 NNM

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)	%	96.1	70-130
4-Bromofluorobenzene (S)	%	95	70-130

LABORATORY CONTROL SAMPLE: 80506

Analysis Date/Time Analyst:

11/04/2010 21:43 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/i	20	21.2	106	70-130	
Ethylbenzene	ug/l	20	20.9	105	70-130	
Toluene	ug/l	20	21.1	106	70-130	
m,p-Xylene	ug/l	40	41.0	102	70-130	
o-Xylene	ug/l	20	20.1	100	70-130	
Xylenes, Total	ug/l	60	61.0	102	70-130	
1,4-Difluorobenzene (S)	%			96.8	70-130	
4-Bromofluorobenzene (S)	%			97.8	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80509

80510

Original: H10100680008

MS Analysis Date/Time Analyst:

11/05/2010 00:01 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 00:29 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	20.6	20.3	103	101	66-141	1.2	31
Ethylbenzene	ug/l	ND	20	20.3	20.3	101	102	52-136	0.0	28
Toluene	ug/l	ND	20	20.5	20.2	102	101	61-131	1.1	25
m,p-Xylene	ug/l	ND	40	39.4	39.4	98.5	98.6	60-130	0.1	36
o-Xylene	ug/l	ND	20	19.4	19.3	96.8	96.4	64-130	0.3	30
Xylenes, Total	ug/l	ND	60	58.8	58.7	97.9	97.9	60-130	0.1	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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## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80509

80510

Original: H10100680008

MS Analysis Date/Time Analyst:

11/05/2010 00:01 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 00:29 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	· MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S)	%	96.1				96.9	95.7	70-130	
4-Bromofluorobenzene (S)	%	96.4				99.9	98.2	70-130	

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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Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

GCVW/2266

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

11/09/2010 00:00 by GCV

Associated Lab Samples:

H10100680009

METHOD BLANK: 80950

Analysis Date/Time Analyst:

11/09/2010 08:03 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit
m,p-Xylene	ug/l	ND	1.0
Total BTEX	ug/l	ND	1.0
Xylenes, Total	ug/l	ND	1.0
1,4-Difluorobenzene (S)	%	98.2	70-130
4-Bromofluorobenzene (S)	%	89.3	70-130

LABORATORY CONTROL SAMPLE: 80951

Analysis Date/Time Analyst:

11/09/2010 08:57 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
m,p-Xylene	ug/l	40	36.0	90.1	70-130	
Total BTEX	ug/l	120	54.8	45.7 *	70-130	
Xylenes, Total	ug/l	60	53.4	88.9	70-130	
1,4-Difluorobenzene (S)	%			98.0	70-130	
4-Bromofluorobenzene (S)	%			88.7	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80957

80958

Original: H10100681013

MS Analysis Date/Time Analyst:

11/09/2010 11:49 JWS

MSD Analysis Date/Time Analyst:

11/09/2010 12:17 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
m,p-Xylene	ug/l	16	40	49.5	46.6	84.0	76.7	60-130	6.1	36
Total BTEX	ug/l	180	120	185	174	4.4 *	0 *	52-141	200	36
Xylenes, Total	ug/l	22.2	60	73.4	69.2	85.3	78.4	60-130	5.8	36
1,4-Difluorobenzene (S)	%	ND				113	112	70-130		
4-Bromofluorobenzene (S)	%	ND				90.4	90.3	70-130		

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.

Report ID: H10100680\_6159

Printed: 11/11/2010 17:55

Page 30 of 40



Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

EXTO/2440

Analysis Method:

SW-846 8015B DRO LVI

QC Batch Method:

SW-846 8015B DRO LVI

Preparation:

H10100680009

11/02/2010 15:59 by A\_G

Associated Lab Samples:

H10100680001 H10100680007 H10100680002 H10100680008 H10100680003 H10100680004 H10100680005

H10100680006

METHOD BLANK: 79760

Analysis Date/Time Analyst:

11/04/2010 08:25 NDW

Reporting Limit

Parameter Diesel Range Organics(C10-C28) n-Pentacosane (S)

Units mg/l

ND 124

Result Qualifiers

Blank

0.050 10-185

LABORATORY CONTROL SAMPLE & LCSD: 79761

79762

LCS Analysis Date/Time Analyst: 11/04/2010 09:00 NDW LCSD Analysis Date/Time

11/04/2010 10:17 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD Result %	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	2	2.45	2.89	122 144	144 161	21-175 10-185	16.4	43

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.

Report ID: H10100680\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

QC Batch:

IC/1538

Analysis Method: EPA 300.0

H10100680009

QC Batch Method:

EPA 300.0

EFA 300.0

H10100680001 H10100680007 H10100680002 H10100680008 H10100680003 H10100680004

H10100680005

H10100680006

METHOD BLANK: 80837

Associated Lab Samples:

Analysis Date/Time Analyst:

11/08/2010 12:28 ESK

Blank

Reporting

Parameter

Units

Result Qualifiers

Limit

Chloride

mg/l

ND

0.500

LABORATORY CONTROL SAMPLE: 80838

Analysis Date/Time Analyst:

11/08/2010 12:44 ESK

Spike

LCS

LCS

% Rec

Parameter

Units

Conc.

Result

% Rec

Limits

Chloride

mg/l

10

9.122

91.2

85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80841

80842

Original: H10100681002

MS Analysis Date/Time Analyst:

11/08/2010 17:34 ESK

MSD Analysis Date/Time Analyst:

11/08/2010 17:50 ESK

		Original	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	
Chloride	mg/l	124	100	225.2	235.2	101	111	80-120	4.3	20	

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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Phone: (713) 660-0901 Fax: (713) 660-8975

## Legend

# (S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
*	Recovery/RPD value outside QC limits
+	DCS Concentration
В	Analyte detected in the Method Blank
С	MTBE results were not confirmed by GCMS
D	Recovery out of range due to dilution
. E	Results exceed calibration range
Н	Exceeds holding time
ı	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
ND	Not Detected at reporting Limits
Р	Pesticide dual column results, greater then 25%
Q	Received past holding time
TNTC	Too numerous to count
U	Not Detected at reporting Limits

Report ID: H10100680\_6159



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## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Analytical

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10100680001	MW-21	SW-846 8015B DRO LVI	EXTO/2440	SW-846 8015B DRO LVI	GCSV/2136
H10100680002	MW-16	SW-846 8015B DRO LVI	EXTO/2440	SW-846 8015B DRO	GCSV/2136
H10100680003	MW-20	SW-846 8015B DRO LVI	EXTO/2440	SW-846 8015B DRO	GCSV/2136
H10100680004	MW-25	SW-846 8015B DRO LVI	EXTO/2440	SW-846 8015B DRO	GCSV/2136
H10100680005	MW-24	SW-846 8015B DRO LVI	EXTO/2440	SW-846 8015B DRO	GCSV/2136
H10100680006	DUP	SW-846 8015B DRO LVI	EXTO/2440	SW-846 8015B DRO	GCSV/2136
H10100680007	MW-15	SW-846 8015B DRO LVI	EXTO/2440	LVI SW-846 8015B DRO	GCSV/2136
H10100680008	MW-4	SW-846 8015B DRO LVI	EXTO/2440	LVI SW-846 8015B DRO	GCSV/2136
H10100680009	MW-5	SW-846 8015B DRO LVI	EXTO/2440	LVI SW-846 8015B DRO LVI	GCSV/2136
H10100680001	MW-21	SW-846 8015B GRO Gas	GCVW/2244	SW-846 8015B GRO Gas	GCVW/2245
H10100680002	MW-16	SW-846 8015B GRO Gas	GCVW/2244	SW-846 8015B GRO Gas	GCVW/2245
H10100680003	MW-20	SW-846 8015B GRO Gas	GCVW/2244	SW-846 8015B GRO	GCVW/2245
H10100680004	MW-25	SW-846 8015B GRO Gas	GCVW/2244	Gas SW-846 8015B GRO	GCVW/2245
H10100680005	MW-24	SW-846 8015B GRO Gas	GCVW/2244	Gas SW-846 8015B GRO	GCVW/2245
H10100680006	DUP	SW-846 8015B GRO Gas	GCVW/2244	Gas SW-846 8015B GRO Gas	GCVW/2245
H10100680001	MW-21	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680002	MW-16	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680003	MW-20	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680004	MW-25	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680005	MW-24	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680006	DUP	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680010	Trip Blank	SW-846 5030	GCVW/2250	SW-846 8021B	GCVW/2251
H10100680007	MW-15	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100680008	MW-4	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100680009	MW-5	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100680007	MW-15	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100680008	MW-4	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100680009	MW-5	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255

Report ID: H10100680\_6159



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## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10100680: East Hobbs Junction

Project Number: EHJ / 114-6400709

Lab ID	Sample ID	QC Bátch Method	QC Batch	Analytical Method	Analytical Batch
H10100680001	MW-21	.EPA 300.0	IC/1538		
H10100680002	MW-16	EPA 300.0	IC/1538	•	
H10100680003	MW-20	EPA 300.0	IC/1538		
H10100680004	MW-25	EPA 300.0	IC/1538		
H10100680005	MW-24	EPA 300.0	IC/1538		
H10100680006	DUP	EPA 300.0	IC/1538		
H10100680007	MW-15	EPA 300.0	IC/1538		
H10100680008	MW-4	EPA 300.0	IC/1538		•
H10100680009	<b>MW</b> -5	EPA 300.0	IC/1538		
H10100680009	MW-5	SW-846 5030	GCVW/2266	SW-846 8021B	GCVW/2267

Report ID: H10100680\_6159



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# **Sample Receipt Checklist**

WorkOrder: H10100680 Received By **BAF** Date and Time 10/28/2010 09:28 Carrier Name: **FEDEXS** 4.0,4.0,3.5°C Temperature: Chilled By: Water Ice Airbill - Temp: 872703743218-4.0C-50lb/872703743229-4.0C-50lb/872703743230-3.5C-50lb/ Shipping container/cooler in good condition? YES Custody seals intact on shipping container/cooler? YES Custody seals intact on sample bottles? Not Present Chain of custody present? YES Chain of custody signed when relinquished and received? YES 6. YES Chain of custody agrees with sample labels? 7. Samples in proper container/bottle? YES Samples containers intact? YES 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: Contact Date & Time: Client Name Contacted:

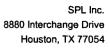
Report ID: H10100680\_6159

Client Instructions:



Phone: (713) 660-0901 Fax: (713) 660-8975

8880 Interchange Drive Houston, TX 77054 (713) 660-0901	Rush TAT requires prior notice	O DUBLICOS ECONO	Standard	Contract	Requested TAT		Client/Consultant Remarks:	mu 20	MW 30	<b>(</b>			175-16	+		-	<b>アワーは</b>	SAMPLE ID	Invoice To:		Project Name/No.: 114-64C	Client Contact: G POPE	Phone/Fax: 432 686	City While	なない。	Analysis R.	
0	5. Relinquished by:	3. Relinquished by:	1. Relinquished by Sampler:  SADモロック	Standard QC Level 3 QC Level 4 QC TX TRRP	Special Reporting Requirements Results: Fax		Laboratory remarks	7610101255	590				020	4		-	15ee 0-0-9e		Ph.		0709	Email:		State 74 Zip PAK		Analysis Request & Chain of Custody Record	SPL Inc.
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Phone: (713) 660-0901 Fax: (713) 660-8975

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Report ID: H10100680\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

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Phone: (713) 660-0901 Fax: (713) 660-8975

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Report ID: H10100680\_6159

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Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

November 15, 2010

Workorder: H10100681

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 **Project: East Hobbs Junction** 

Project Number: EHJ 114-6400709

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

This Report Contains A Total Of 51 Pages

**Excluding Any Attachments** 

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

November 15, 2010

Workorder: H10100681

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Project: East Hobbs Junction
Project Number: EHJ 114-6400709

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

#### 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.

Sample MW-9 was written on the chain of custody but not received with the samples. Per the client, disregard MW-9 since it was not sampled. Two vials for sample ID "MW-26" were received broken however 4 remain for analysis.

#### 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.

#### SW8015 - Diesel Range Organics:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID: EXTO/2441. 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.

Report ID: H10100681\_6159



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# Certificate of Analysis

November 15, 2010

Workorder: H10100681

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Project: East Hobbs Junction
Project Number: EHJ 114-6400709

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

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 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, Senior Project Manager

**Enclosures** 

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **SAMPLE SUMMARY**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H10100681001	MW-26	Water		10/27/2010 08:15	10/28/2010 09:28
H10100681002	MW-27	Water		10/27/2010 08:35	10/28/2010 09:28
H10100681003	MW-23	Water		10/27/2010 08:55	10/28/2010 09:28
H10100681004	MW-22	Water		10/27/2010 09:15	10/28/2010 09:28
H10100681005	MW-13	Water		10/27/2010 09:30	10/28/2010 09:28
H10100681006	MW-19	Water		10/27/2010 09:40	10/28/2010 09:28
H10100681007	MW-14	Water		10/27/2010 09:47	10/28/2010 09:28
H10100681008	MW-18	Water		10/27/2010 09:55	10/28/2010 09:28
H10100681009	MW-12	Water		10/27/2010 10:05	10/28/2010 09:28
H10100681010	DUP-2	Water		10/27/2010 00:00	10/28/2010 09:28
H10100681011	SVE-10	Water		10/27/2010 10:30	10/28/2010 09:28
H10100681013	MW-6	Water		10/27/2010 10:45	10/28/2010 09:28
H10100681014	Trip Blank	Water		10/27/2010 00:00	10/28/2010 09:28

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681001

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-26

Date/Time Collected: 10/27/2010 08:15

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030 Analytical Batches:

Batch: 2255 SW-846 8021B on 11/05/2010 03:17 by NNM

	Results		1		Batch Information
Parameters	ug/l Qual	Report Limit	* MDL	DF RegL	mt Prep Analysis
Benzene	ND	1.0	0.32	1	2255
Ethylbenzene	ŇĎ	1.0	0.22	1	2255
Toluene	ND	1.0	0.19	1	2255
m,p-Xylene	ND	1.0	0.29	1	2255
o-Xylene	ND	1.0	0.21	1,	2255
Xylenes, Total	ND	1.0	0.21	1	2255
1,4-Difluorobenzene (S)	95.9 %	70-130		1	2255
4-Bromofluorobenzene (S)	100 %	70-130		1	2255
Preservation pH	<2			1	2255

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846,8015B GRO Gas SW-846 8015B GRO Gas Analytical Batches:

Batch: 2253 SW-846 8015B GRO Gas on 11/05/2010 03:17 by NNM

Parameters	Results a mg/l Qual a	Report Limit	MDL	DF Reg	Batch Information Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0,017	1	2253
1,4-Difluorobenzene (S)	101 %	60-155		1	2253
4-Bromofluorobenzene (S)	104 %	50-158		1	2253

**Diesel Range Organics (DRO)** 

Analysis Desc: SW-846 8015B DRO LVI	Prenaration Ratches:		
Analysis Desc. SW-040 00 ISB/DIAC EVI	n reparation datales.		
	Batch: 2441 SW-846 8015B DRO LVI	on 11/02/2010 17:26 by A. C.	
	(Balcil: 244)   SW-040 00 ISB DIAO EVI	OIL FIO2/2010 II.20 Dy AEG	
	4		
	Analytical Batches:		

Batch: 2134 SW-846 8015B DRO LVI on 11/04/2010 21:08 by NDW

Parameters	Results mg/I Qual	Report Limit	MDL	DF RegL	Batch Infor mt Prep A	mation Analysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2441	2134
n-Pentacosane (S)	98.8 %	10-185		1	2441	2134

**WET CHEMISTRY** 

Report ID: H10100681\_6159

Printed: 11/15/2010 16:55

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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681001

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-26

Date/Time Collected: 10/27/2010 08:15

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1538 EPA 300:0 on 11/08/2010 17:02 by ESK

Results

mg/I Qual Report Limit

MDL

DF & RegLmt.

**Batch Information** 

Prep Analysis

Parameters:

10

Chloride

5.00

1538

Report ID: H10100681\_6159

Printed: 11/15/2010 16:55

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2255

## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID: H10

H10100681002

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-27

Date/Time Collected: 10/27/2010 08:35

**VOLATILES** 

Analysis Desc: SW-846 8021B	SW-846 5030Analytical E	Batches:			And the state of t
	Batch: 2255 SW-846 80	)21B on 11/05/2010	03:46 by N	NM	
Parameters:	Results ug/I Qual	Report Limit	MDL	DF R	Batch Information egEmt Prep, Analysis.
Benzene	4.8	1.0	0.32	1	2255
Ethylbenzene	ND	1.0	0.22	1	2255
Toluene	ND	1.0	0.19	1	2255
m,p-Xylene	ND	1.0	0.29	1	2255
o-Xylene	ND	1.0	0.21	1	2255
Xylenes, Total	ND	1.0	0.21	1	2255
1,4-Difluorobenzene (S)	96 %	70-130		1	2255
4-Bromofluorobenzene (S)	100 %	70-130		1	2255

**Gasoline Range Organics (GRO)** 

Preservation pH

Analysis Desc: SW-846 80158 GRO Gas	Batch: 2253 ≇SW-846 801			13:46 by NNM	
Parameters	Results mg/I Qual	Report Limit	MDL	DF Rec	Batch Information gLmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2253
1,4-Difluorobenzene (S)	102 %	60-155		1	2253
4-Bromofluorobenzene (S)	104 %	50-158		1	2253

<2

Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:		_			
	Batch: 2441 - SW-846 801	5B DRO LVI on 1	1/02/2010 1	7:26 by A_G.		
	Analytical Batches: 4 kg					
	Batch: 2134 SW-846 801	5B DRO LVI on 1	1/04/2010 21	l:51 by NDW		
					1	
	Results	Report Limit	MOI	DE Pas	Batch Info Lmt: Prep /	1.69 ************************************
Parameters				DF Keg		100
Diesel Range Organics(C10-C28)	· ND	0.050	0.012	1	2441	2134
n-Pentacosane (S)	94.7 %	10-185		1	2441	2134

**WET CHEMISTRY** 

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681002

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-27

Analysis Desc: EPA 300.0

Date/Time Collected: 10/27/2010 08:35

Analytical Batches: 44 Page 5

Batch: 1538 EPA 300:0 on 11/08/2010 17:18 by ESK

Results Batch information 3atch mus. Prep Analysis mg/I Qual Report Limit MDL

Chloride 124

Report ID: H10100681\_6159

Printed: 11/15/2010 16:55

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### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681003

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-23

Date/Time Collected: 10/27/2010 08:55

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical B	atches:						
	Batch: 2255 SW-846 8021B on 11/05/2010 04:14 by NNM							
	Results	4.5			Batch Information			
Parameters	ug/I. Qual	Report Limit	MDL	DF RegLmt	Prep Analysis			
Benzene	ND	1.0	0.32	1	2255			
Ethylbenzene	ND	1.0	0.22	1	2255			
Toluene	ND	1.0	0.19	1	2255			
m,p-Xylene	· ND	1.0	0.29	1	2255			
o-Xylene	ND	1.0	0.21	1	2255			
Xylenes, Total	ND	1.0	0.21	1	2255			
1,4-Difluorobenzene (S)	96.6 %	70-130		1	2255			
4-Bromofluorobenzene (S)	101 %	70-130		1 :	2255			
Preservation pH	<2			1	2255			

## Gasoline Range Organics (GRO)

Analysis Desc: SW-846-8015B GR0 Gas	SW-846 8015B GRO GasAi Batch: 2253 SW-846 8015 Results	B GRO Gas on	11/05/2010(	1	Batch Information
Gasoline Range Organics	ND	0.10	0.017	1	2253
1,4-Difluorobenzene (S)	101 %	60-155		1	2253
4-Bromofluorobenzene (S)	104 %	50-158		1	2253

#### Diesel Range Organics (DRO)

n-Pentacosane (S)	108 %	10-185		1	2441	2134
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2441	2134
Parameters	mg/l Qual	Report Limit	MDL	DF RegL	mt Prep A	\nalysis
	Results				Batch Info	<b>公城外</b> 中级公安城(1874
entra de la companya de la companya de la companya de la companya de la companya de la companya de la companya	Batch: 2134 SW-846 8015	B DRO LVI on 1	/04/2010 22	2:35 by NDW .		
	Analytical Batches:					
	Batch: 2441 - SW-846 8015	BDRO LVI on 1	1/02/2010 17	7:26 by A <u>*</u> G		
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					

#### **WET CHEMISTRY**

Report ID: H10100681\_6159

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Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681003

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-23

Date/Time Collected: 10/27/2010 08:55

	Analytical Batches: Batch: 1538 EPA 300.0 on Results mg/l. Qual		by ESK		Batch Information mt Prep Analysis
Chloride	58.8	5.00	1.26	10	1538

Report ID: H10100681\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID: H101

H10100681004 Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-22

Date/Time Collected: 10/27/2010 09:15

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical	Batches:						
	Batch: 2255 SW-846 8021B on 11/05/2010 04:42 by NNM:							
Parameters	Results ug/li Qual	" Report Limit	MDL	DF Re	Batch Information gLmt Prep Analysis			
Benzene	ND	1.0	0.32	1	2255			
Ethylbenzene	ND	1.0	0.22	1	2255			
Toluene	ND	1.0	0.19	1	2255			
m,p-Xylene	ND	1.0	0.29	1	2255			
o-Xytene	ND	1.0	0.21	1	2255			
Xylenes, Total	ND	1.0	0.21	1	2255			
1,4-Difluorobenzene (S)	96.5 %	70-130		1	2255			
4-Bromofluorobenzene (S)	101 %	70-130		1	2255			
Preservation pH	<2			1	2255			

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW±846 8015B GRO Gas/				
	Batch: 2253 SW-846 801	5B GRO Gas on 1	1/05/2010	04:42 by NNM	
Dominion of the same of the sa	Results	Passad Limit	Whi	DE D	Batch Information
Parameters	mg/I Qual	KepottEmit	WIDE	UF. Keg	Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2253
1,4-Difluorobenzene (S)	· 101 %	60-155		1	2253
4-Bromofluorobenzene (S)	104 %	50-158		1	2253

#### Diesel Range Organics (DRO)

on Batches:	the second				
41. SW-846.8015I	B DRO LVI on 11	/02/2010 17	7:26 by A_G		
Batches:					
34 SW-846 8015I	3 DRO LVI on 11	/04/2010 2:	3:19 by NDW 🕟		
ALLES AND THE PROPERTY OF THE PERSON OF THE	Report Limit	MDI	DE Realim	SECTION AND ADDRESS OF THE PARTY OF THE PART	758 TOXISTONE AND AND AND AND AND AND AND AND AND AND
my/is			, coge	·	
ND	0.050	0.012	1	2441	2134
	(Batches: 34, SW-846 8015) Results	iBatches 34: ISW-846 8015B DROILVII on 1/ Results	Batches: 34. SW-946-8015B DRO LVI on 11/04/2010 23 Results	34. SW-846 8015B DRO LVI on 11/04/2010 23:19 by NDW Results	Batches: 34: SW-846-8015B DRO/LVI on 11/04/2010 23:19 by NDW Results

#### **WET CHEMISTRY**

Report ID: H10100681\_6159



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1538

#### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

Chloride

H10100681004

Date/Time Received: 10/28/2010 09:28 Matrix:

10

1.26

Water

Sample ID: MW-22

Date/Time Collected: 10/27/2010 09:15

5.00

Analysis Desc: EPA 300.0 Analytical Batches: Batch: 1538 EPA 300.0 on 11/08/2010 18:23 by ESK Results Batch Information DF RegLint Prep Analysis mg/L Qual Report Limit-Parameters - MDL

Report ID: H10100681\_6159



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### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681005

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-13

Date/Time Collected: 10/27/2010 09:30

## **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical E	latches:			
	Batch: 2255 SW-846 80	21B on 11/05/2010	05:10 by N	NM .	
	- Results				<ul> <li>Batch Information</li> </ul>
Parameters	ug/l Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	2255
Ethylbenzene	ND	1.0	0.22	1	2255
Toluene	NĐ	1.0	0.19	. 1	2255
m,p-Xylene	ND	1.0	0.29	1	2255
o-Xylene	ND	1.0	0.21	1	2255
Xylenes, Total	ND	1.0	0.21	1	2255
1,4-Difluorobenzene (S)	98.4 %	70-130		1 .	2255
4-Bromofluorobenzene (S)	104 %	70-130		1 ,	2255
Preservation pH	<2			1 :	2255

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas	Analytical Batches			
	Batch: 2253) SW-846-80	15B GRO Gas on 1	1/05/2010	05:10 by NNM	
					144
	Results				Batch Information
Parameters	mg/i Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2253
1,4-Difluorobenzene (S)	100 %	60-155		1	2253
4-Bromofluorobenzene (S)	104 %	50-158		1	2253

### **Diesel Range Organics (DRO)**

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Batch: 2441 SW-846 80	ISB DRO LVI on 11	/02/2010 17	7:26 by A_G		
	Analytical Batches:					
	Batch: 2134 SW-846 801	15B DRO(LVI on 1/1	/05/2010 00	):01 by NDW		
(April 2)	Results				Batch Info	CONTRACTOR OF THE PARTY OF THE
Parameters :	mg/l <sub>_</sub> Qual_	Report Limit	MDL	DF Re	gEmt Prep	Analysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2441	2134
n-Pentacosane (S)	123 %	10-185		1	2441	2134

### **WET CHEMISTRY**

Report ID: H10100681\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID: H10100681005

Sample ID: MW-13

Date/Time Received: 10/28/2010 09:28 Matrix: Water

Date/Time Collected: 10/27/2010 09:30

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1538 EPA 300 0 on 11/08/2010 18:39 by ESK

Results Batch Information
Parameters mg/I Qual Report Limit MDL DF Reg⊾mt DPrep Analysis

Chloride 69.9 5.00 1.26 10 1538

Report ID: H10100681\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681006

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-19

Date/Time Collected: 10/27/2010 09:40

### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	tches:			
	Batch: 22591 SW-846 802	1B on 11/05/2010	07:59 by N	INM	
		and the second			
	Results		14 4 4		Batch Information
Parameters	ug/l Qual	Report Limit.	MDL	DF Reg	jĽmt Prep Analysis.
Benzene	ND	1.0	0.32	1	2259
Ethylbenzene	ND	1.0	0.22	1	2259
Toluene	ND	1.0	0.19	1	2259
m,p-Xylene	ND	1.0	0.29	1	2259
o-Xylene	ND	1.0	0.21	1	2259
Xylenes, Total	ND	1.0	0.21	1	2259
1,4-Difluorobenzene (S)	95.9 %	70-130		1	2259
4-Bromofluorobenzene (S)	99.8 %	70-130		1	2259
Preservation pH	<2	•		1	2259

## **Gasoline Range Organics (GRO)**

Analysis Desc; SW-846 8015B GRO Gas	SW-846 8015B GRO Ga	Analytical Batches:		
	Batch: 2257 SW-846 80	15B GRO Gas on 11/0	05/2010 07:59 by	NNM
and the second s				
	Results	Total Control	Mai be	Batch Information
Parameters	mg/i Quai	Report Limit	MDL DF	Regi≟mt Prep⊪ Analysis
Gasoline Range Organics	ND	0.10	).017 1	2257
1,4-Difluorobenzene (S)	101 %	60-155	1	2257
4-Bromofluorobenzene (S)	102 %	50-158	1	2257

#### **Diesel Range Organics (DRO)**

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches: Batch: 2441 SW-846 80	15B DRO LVI on 11	1/02/2010 1	7:26 by A_G		
	Analytical Batches: Batch: 2134 SW-846 80	15B DRO I Wan 1	V05/2010 O	1:44 by NDW		
Parameters	Results: mg/j: Qualse	Report Limit	MDL	DF Re	The title of the same of the s	ormation Analysis
Diesel Range Organics(C10-C28)	0.067	0.050	0.012	1	2441	2134
n-Pentacosane (S)	103 %	10-185		1	2441	2134

### **WET CHEMISTRY**

Report ID: H10100681\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681006

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-19

Date/Time Collected: 10/27/2010 09:40

Analysis Desc: EPA 300:0	Analytical Batches: Batch::1538: EPA 300:0 on Results mg/I Qual	11/08/2010 18:55 Report Limit		Batch DF RegLmt Prep	Information Analysis
Chloride	172	5.00	1.26	10	1538

Report ID: H10100681\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681007

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-14

Date/Time Collected: 10/27/2010 09:47

**VOLATILES** 

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	atches:			
	Batch: 2259 SW-846 802	21B on 11/05/2010	08:27 by N	INM :	e e e e e e e e e e e e e e e e e e e
		and the second second			
	Results				Batch Information
Parameters:	ug/i Qual	Report Limit	MDL	DF	RegLmt Prep Analysis
Benzene	ND	1.0	0.32	1	2259
Ethylbenzene	ND	1.0	0.22	1	2259
Toluene	ND	1.0	0.19	1	2259
m,p-Xylene	ND	1.0	0.29	1	2259
o-Xylene	ND	1.0	0.21	1	2259
Xylenes, Total	ND	1.0	0.21	1	2259
1,4-Difluorobenzene (S)	98.1 %	70-130		1	2259
4-Bromofluorobenzene (S)	98.1 %	70-130		1	2259
Preservation pH	<2			1	. 2259

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas.	SW-846 8015B GRO Gas Batch: 2257 SW-846 80			08:27 by NNM	
Parameters:	Results mg/l Qual	Report Limit	MDL	IDF Re	Batch Information gLimt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2257
1,4-Difluorobenzene (S)	102 %	60-155		1	2257
4-Bromofluorobenzene (S)	101 %	50-158		1	2257

Diesel Range Organics (DRO)

n-Pentacosane (S)	104 %	10-185		1	2441	2134
Diesel Range Organics(C10-C28)	0.076	0.050	0.012	. 1	2441	2134
Parameters	mg/l <sup>Qual</sup>	Report Limit	MDL	DF Reg	Lmt, Prep <i>F</i>	Analysis:
	Results				Batch Info	120000000000000000000000000000000000000
				Tarin tari		
	Batch: 2134 SW-846 801	5B DRO LVI on 1	1/05/2010 0	1:26 by NDW		
	Analytical Batches	1.00				4
	Batch: 2441 SW-846 801	5B DRO LVI on 1	1/02/2010 1	7:26 by A. G		
*Analysis Desc:(SW-846 8015B DRO LVI	Preparation Batches:					

**WET CHEMISTRY** 

Report ID: H10100681\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681007

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-14

Date/Time Collected: 10/27/2010 09:47

	alytical/Batches: ch: 1538	n 11/08/2010 19:11 Report Limit	by ESK MDL	DF: Regi	
Chloride	231	10.0	2.52	20	1538

Report ID: H10100681\_6159



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### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID: H10100681008

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-18

Date/Time Collected: 10/27/2010 09:55

**VOLATILES** 

Analysis Desc::SW-846/8021B SW-846/5030Analytical Batches:

Batch: 2259 SW-846 8021B on 11/05/2010 08:55 by NNM DF = 5.

Batch: 2267 SW-846 8021B on 11/09/2010 10:20 by JWS DF = 25.

en andere en en en en en en en en en en en en en	Results	and the second s			Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF Re	gLmt Prep Analysis
Benzene	5900	25	8.0	25	2267
Ethylbenzene	180	5.0	1.1	5	2259
Toluene	ND	5.0	0.94	5	2259
m,p-Xylene	120	25	7.2	25	2267
o-Xylene	90	5.0	1.1	5	2259
Xylenes, Total	210	5.0	4.1	25	2267
1,4-Difluorobenzene (S)	98.6 %	70-130		5	2259
1,4-Difluorobenzene (S)	106 %	70-130		25	2267
4-Bromofluorobenzene (S)	89 %	70-130		25	2267
4-Bromofluorobenzene (S)	103 %	70-130		5	2259
Preservation pH	<2			5	2259
Preservation pH	<2			25	2267

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 80158 GRO Gas/ Batch: 2263 SW-846 801	The state of the s	200 E 10		
:Parameters *	Results	Report Limit	MDL	DF Re	Batch Information
Gasoline Range Organics	15	2.5	0.42	25	2263
1,4-Difluorobenzene (S)	107 %	60-155		25	2263
4-Bromofluorobenzene (S)	94.8 %	50-158		25	2263

### **Diesel Range Organics (DRO)**

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Batch: 2441 SW-846 801	5B DRO LVI on 1	1/02/2010 1	7:26 by A_G		
	Analytical Batches:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	Batch: 2134 SW-846 801	5B DRO LVI on 1	1/05/2010 0	3:31 by NDW		
Parameters: 1.1	Results mg/l Qual	Report Limit	MDL	DF Red	Batch Info Lmt Prep	SANDAR TRANSPORTER
	ilig/i				4.7	2 1 1 2 2 2
Diesel Range Organics(C10-C28)	0.39	0.050	0.012	1	2441	2134
n-Pentacosane (S)	85.3 %	10-185		1	2441	2134

Report ID: H10100681\_6159

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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681008

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-18

Date/Time Collected: 10/27/2010 09:55

**WET CHEMISTRY** 

Analysis Desc. EPA 300.0

Analytical Batches:

Batch: 1541 EPA 300:0 on 11/08/2010 20:32 by ESK

mg/I aQual > Report Limit

, MDL

Batch Information

DF: RegLmt >>> Prep \ Analysis

Chloride

184

10.0

1541

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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID: H10100681009 Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-12

Date/Time Collected: 10/27/2010 10:05

### **VOLATILES**

Analysis Desc: SW-8	0/C 0001D	CIVIDAC	5030Analytical Batch	10.	and the second s
mialysis Desc. Sty-c	OTO OUZIO	311-040	JUJUM lalyucal, Datchi	73.	en la la la la Paris de
DESCRIPTION OF THE PROPERTY OF					
A THE PARTY OF THE PARTY OF			Control of the Contro		
AND THE RESERVE OF THE PERSON OF		Batch: 22	259 SW-846 8021B	on 11/05/2010 09:2	3 DV NNMSDE = \$10
			retardates to official residence and control	Charles and the second second second second	ration to the same of the same
THE RESERVE OF THE PARTY OF THE		ALCOHOL: SANCE TO THE SANCE OF	THE PROPERTY OF THE PARTY OF TH		

Batch: 2267 SW-846 8021B on 11/09/2010 10:48 by JWS DF = 25

and the second state of th	Results				Batch Information
Parameters	ug/l Qual	Report Limit	MDL	DF RegLmt	Prép Analysis
Benzene	5300	25	8.0	25	2267
Ethylbenzene	140	10	2.2	10	2259
Toluene	ND	10	1.9	10	2259
m,p-Xylene	190	25	7.2	25	2267
o-Xylene	ND ·	10	2.1	10	2259
Xylenes, Total	190	10	2.1	25	2267
1,4-Difluorobenzene (S)	93.1 %	70-130		10	2259
1,4-Difluorobenzene (S)	106 %	70-130		25	2267
4-Bromofluorobenzene (S)	88.8 %	70-130		25	2267
4-Bromofluorobenzene (S)	101 %	70-130		10	2259
Preservation pH	<2			10	2259
Preservation pH	<2			25	2267

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846'8015B'GRO GasA Batch: 2263, SW-846'8015 Results	B GRO Gas on 11	/08/2010	13:39 by JWs	Batchlinformation gLmt Prep Analysis
raiametrs.	mg/l Qual	Keporculiii	NIDL	Dr. Re	gunt Fieb Allalysis
Gasoline Range Organics	16	2.5	0.42	25	2263
1,4-Difluorobenzene (S)	108 %	60-155		25	2263
4-Bromofluorobenzene (S)	94.8 %	50-158		25	2263

## **Diesel Range Organics (DRO)**

n-Pentacosane (S)	102 %	10-185		1	2441	2134
Diesel Range Organics(C10-C28)	0.48	0.050	0.012	1	2441	2134
Parameters.	mg/J: Qual	Keport Limit	MDL.	Dr Reg	jEmt * Prep A	naiysis
	Results	14.			Batch Infor	PER STREET, MADE WITHOUT THE
	Batch: 2134 SW-846 801	5B DRO LVI on 11	/05/2010 04	:12 by NDW		
	Analytical Batches:					
	Batch: 2441 SW-846 801	5B DRO LVI on 11	/02/2010 17	:26 by A_G	100	
Analysis Desc: SW-846 80158 DRO LVI	Preparation Batches:	100			100	

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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681009

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-12

Date/Time Collected: 10/27/2010 10:05

**WET CHEMISTRY** 

Analysis Desc: EPA 300:0 Analytical Batches: Batch: 1541 EPA 300.0 on 11/08/2010 20:48 by ESK Results Batch Information mg/l Qual Report Limit MDL DF RegLmt Prep Analysis **Parameters** Chloride 10.0 2.52 20 1541

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID: H10100681010

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: DUP-2

Date/Time Collected: 10/27/2010 00:00

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

 $Batch: 2259 \ \ SW-846: 8021B \ on \ 11/05/2010: 09:51 \ by \ NNM: \ DF = \ 10:$ 

Batch: 2267. SW-846 8021B on 11/09/2010 11:16 by JWS DF = 25.

	Results				Batch Information
Parameters		Report Limit:	MDL	DF Regun	nt Prep Analysis
Benzene	4900	10	3.2	_ 10	2259
Ethylbenzene	150	10	2.2	10	2259
Toluene	ND	10	1.9	10	2259
m,p-Xylene	210	25	7.2	25	2267
o-Xylene	ND	10	2.1	10	2259
Xylenes, Total	210	10	2.1	25	2267
1,4-Difluorobenzene (S)	93 %	70-130		10	2259
1,4-Difluorobenzene (S)	106 %	70-130		25	2267
4-Bromofluorobenzene (S)	88.7 %	70-130		25	2267
4-Bromofluorobenzene (S)	98.6 %	70-130		10	2259
Preservation pH	<2			10	2259
Preservation pH	<2			25	2267

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846/8015B GRO Gas	Batch: 2257 SW-846 801	7	1/05/2010 (		Batch Information
Gasoline Range Organics	15	1.0	0.17	10	2257
1,4-Difluorobenzene (S)	112 %	60-155		10	. 2257
4-Bromofluorobenzene (S)	102 %	50-158		10	2257

### Diesel Range Organics (DRO)

n-Pentacosane (S)	104 %	10-185		1	2441.	2134
Diesel Range Organics(C10-C28)	0.56	0.050	0.012	1	2441	2134
Parameters	mg/I Qual	Report Limit	.MDL	DF. Reg	ıLmt Prep <i>A</i>	\nalysis
	Results:				Batch Info	mation
	Batch: 2134 SW-846 801	ISB DRO LVI ON II	1/05/2010 04	:52 DY NUVV		
	Analytical Batches:			501 NDW		
	Batch: 2441 SW-846 801	5B DRO LVI on 1	/02/2010 17	:26 by A_G		
Analysis Desc: SW=846 80 (58 DRO EV)	Preparation Batchest		**************************************	40.0		

Report ID: H10100681\_6159

Printed: 11/15/2010 16:55

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Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681010

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: DUP-2

Date/Time Collected: 10/27/2010 00:00

**WET CHEMISTRY** 

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1541 EPA 300:0 on 11/08/2010 21:04 by ESK

Results

Batch Information emg/I Qual Report Limit MDL: 6 SeDF RegLmt 👉 Prep : Analysis Parameters:

Chloride

191

10.0

2.52

20

1541

Report ID: H10100681\_6159

Printed: 11/15/2010 16:55

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### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681011

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: SVE-10

Date/Time Collected: 10/27/2010 10:30

V	n	A٦	ГН	.ES
	UL	. М.	1 3 L	.E3

Analysis Desc: SW-846 8021B	SW-846 5030Analytical E	Batches:			
	Batch: 2259. SW-846 80	21B on 11/05/2010	10:19 by N	NM .	
		7.4			
	Results				Batch Information
Rarameters	ug/j Qual	- Report Limit	MDL:	DF RegLi	
		Carle Carlo			
Benzene	ND	1.0	0.32	1	2259
Ethylbenzene	ND	1.0	0.22	1	2259
Toluene	ND	1.0	0.19	1	2259
m,p-Xylene	ND	1.0	0.29	1	2259
o-Xylene	ND	1.0	0.21	1	2259
Xylenes, Total .	ND	1.0	0.21	1	2259
1,4-Difluorobenzene (S)	98.6 %	70-130		1	2259
4-Bromofluorobenzene (S)	101 %	70-130		1	2259
Preservation pH	<2			1	2259

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas		A STATE OF THE STA			and the second s
	Batch: 2257 SW-846 8015	S GRO Gasion i	1/05/2010 1	U 19 DY NNM	
Parameters	Results mg/J Qual	Report Limit	MDL	DF Reg	Batch Informations Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017		2257
1,4-Difluorobenzene (S)	101 %	60-155		1	2257
4-Bromofluorobenzene (S)	103 %	50-158		1	2257

## Diesel Range Organics (DRO)

Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					
	Bätch: 2441 SW-846 801	5B DRO LVI on 11	/02/2010 17	7:26 by A_G		
	Analytical Batches:					
	Batch: 2134 SW-846 801	5B DRO LVI on 11	/05/2010 05	:32 by NDW		
		(A)				
	Results		30.7		<ul> <li>Batch Info</li> </ul>	A CAST CONTRACTOR OF THE
Parameters	mg/I Qual .	Report Limit	: MDL:	DF Re	jLmt Prep A	ınalysis
Diesel Range Organics(C10-C28)	ND	0.050	0.012	1	2441	2134
n-Pentacosane (S)	96.1 %	10-185		1	2441	2134

#### **WET CHEMISTRY**

Report ID: H10100681\_6159



Phone: (713) 660-0901

Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681011

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: SVE-10

Date/Time Collected: 10/27/2010 10:30

Analysis Desc: EPA 300.0

«Analytical Batches:

Batch: 1541 EPA 300.0 on 11/08/2010 21:20 by ESK -

**Batch Information** Results mg/l Qual Report Limit Prep Analysis MDL, Parameters .

Chloride 2.52 1541

Report ID: H10100681\_6159



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## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681013

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-6

Date/Time Collected: 10/27/2010 10:45

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 2267 SW-846 8021B on 11/09/2010 09:53 by JWS

	Results	7			Batch Information
Parameters	ug/l <sup>Qual</sup>	Report Limit	MDL	DF Re	egLmt Prep Analysis
Benzene	20	1.0	0.32	1	2267
Ethylbenzene	130	1.0	0.22	1	2267
Toluene	2.7	1.0	0.19	1	2267
m,p-Xylene	16	1.0	0.29	1	2267
o-Xylene	6.3	1.0	0.21	1	2267
Xylenes, Total	22.3	1.0	0.21	1	2267
1,4-Difluorobenzene (S)	109 %	70-130		1	2267
4-Bromofluorobenzene (S)	93.1 %	70-130		1	2267
Preservation pH	<2			1	2267

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846,8015B GRO Gas	SW-846'8015B'GRO'GasA Batch: 2257 'SW-846'8015				
Parameters :	Results mg/l Qual	Report Limit	MDL	DF Re	Batch Information gLmt Prep (Analysis)
Gasoline Range Organics	2.8 `	1.0	0.17	10	2257
1,4-Difluorobenzene (S)	108 %	60-155		10	2257
4-Bromofluorobenzene (S)	104 %	50-158		10	2257

Diesel Range Organics (DRO)

Diesel Range Organics(C10-C28)	1.0	0.050	0.012	1	2441	2134
Parameters	Results mall. Qual	Report Limit	MDL	DF Reg	Batch Infor Lmt Prep A	A STANSON WAS A STANSON OF THE
	Batch: 2134 SW-846 801	5B DROLVI on 10	1/05/2010 06	3.13 by NDW		
	Analytical Batches:		orten.			
	Batch: 2441 SW-846 801	5B DRO EVI on 1	1/02/2010 17	26 by A_G		
Analysis Desc: SW-846 8015B DRO LVI	Preparation Batches:					

**WET CHEMISTRY** 

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681013

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: MW-6

Date/Time Collected: 10/27/2010 10:45

	Results	on 11/08/2010 21:52 <sup>;</sup> b Report Limit		Batch Information RegLint Prep Analysis
Chloride	102	10.0	2.52 20	1541

Report ID: H10100681\_6159 Page 28 of 51



Phone: (713) 660-0901 Fax: (713) 660-8975

## **ANALYTICAL RESULTS**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID:

H10100681014

Date/Time Received: 10/28/2010 09:28 Matrix:

Water

Sample ID: Trip Blank

Date/Time Collected: 10/27/2010 00:00

**VOLATILES** 

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	atches:			
	Batch: 2255 SW-846 802	1B on 11/05/2010	02:49 by N	NM M	
	Results				Batch Information
Parameters	ug/l Qual	Report Limit	MDL,	DF RegLm	nt Prep Analysis
Benzene	· ND	1.0	0.32	1	2255
Ethylbenzene	ND	1.0	0.22	1	2255
Toluene	ND	1.0	0.19	1	2255
m,p-Xylene	ND	1.0	0.29	1 .	2255
o-Xylene	ND	1.0	0.21	1	2255
Xylenes, Total	ND	1.0	0.21	1 '	2255
1,4-Difluorobenzene (S)	97 %	70-130		1	2255
4-Bromofluorobenzene (S)	101 %	70-130		1 ·	2255
Preservation pH	<2			1	2255

Report ID: H10100681\_6159



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### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

GCVW/2252

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

11/04/2010 00:00 by GCV

H10100680009 H10100681001

H10100681002

H10100681003

Associated Lab Samples:

H10100680007 H10100681004 H10100680008

H10100681005

METHOD BLANK: 80481

Analysis Date/Time Analyst:

11/04/2010 20:48 NNM

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	. 0.10	
4-Bromofluorobenzene (S)	%	99.4	50-158	
1,4-Difluorobenzene (S)	%	101	60-155	

LABORATORY CONTROL SAMPLE: 80482

Analysis Date/Time Analyst:

11/04/2010 21:15 NNM

Parameter	Units	. Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.904	90.4	70-130	
4-Bromofluorobenzene (S)	%			105	50-158	
1,4-Difluorobenzene (S)	%			109	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80483

80484

Original: H10100680007

MS Analysis Date/Time Analyst:

11/04/2010 22:38 NNM

MSD Analysis Date/Time Analyst:

11/04/2010 23:06 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.815	0.82	81.4	81.9	36-160	0.6	36
4-Bromofluorobenzene (S)	%	102				104	108	50-158		
1,4-Difluorobenzene (S)	%	101				107	109	60-155		

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..

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

GCVW/2254

Analysis Method:

H10100681014

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

11/04/2010 00:00 by GCV

Associated Lab Samples:

H10100680007 H10100681004 H10100680008 H10100680009

H10100681001

H10100681002

H10100681003

METHOD BLANK: 80505

Analysis Date/Time Analyst:

11/04/2010 20:48 NNM

H10100681005

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)	%	96.1	70-130			
4-Bromofluorobenzene (S)	%	95	70-130			

LABORATORY CONTROL SAMPLE: 80506

Analysis Date/Time Analyst:

11/04/2010 21:43 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	
	Offics	Conc.	Resuit	% Rec	Limits	
Benzene	ug/l	20	21.2	106	70-130	
Ethylbenzene	ug/l	20	20.9	105	70-130	
Toluene	ug/l	20	21.1	106	70-130	
m,p-Xylene	ug/l	40	41.0	102	70-130	
o-Xylene	ug/l	20	20.1	100	70-130	
Xylenes, Total	ug/l	60	61.0	102	70-130	
1,4-Difluorobenzene (S)	%			96.8	70-130	
4-Bromofluorobenzene (S)	%			97.8	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80509

80510

Original: H10100680008

MS Analysis Date/Time Analyst:

11/05/2010 00:01 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 00:29 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	20.6	20.3	103	101	66-141	1.2	31
Ethylbenzene	ug/l	ND	20	20.3	20.3	101	102	52-136	0.0	28
Toluene	ug/l	ND	20	20.5	20.2	102	101	61-131	1.1	25
m,p-Xylene	ug/l	ND	40	39.4	39.4	98.5	98.6	60-130	0.1	36
o-Xylene	ug/l	ND	20	19.4	19.3	96.8	96.4	64-130	0.3	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.

Report ID: H10100681\_6159

Printed: 11/15/2010 16:55

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## **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80509

80510

Original: H10100680008

MS Analysis Date/Time Analyst:

11/05/2010 00:01 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 00:29 NNM

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	58.8	58.7	97.9	97.9	60-130	0.1	36
1,4-Diffuorobenzene (S)	%	96.1				96.9	95.7	70-130		
4-Bromofluorobenzene (S)	%	96.4				99.9	98.2	70-130		

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.

Report ID: H10100681\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

GCVW/2256

Analysis Method:

H10100681010

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

H10100681006

Preparation: ,

11/05/2010 00:00 by GCV

H10100681011

H10100681013

Associated Lab Samples:
METHOD BLANK: 80677

Analysis Date/Time Analyst:

11/05/2010 06:35 NNM

H10100681007

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)	` %	100	60-155	

LABORATORY CONTROL SAMPLE: 80678

Analysis Date/Time Analyst:

11/05/2010 07:03 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.82	82.0	70-130	
4-Bromofluorobenzene (S)	%			106	50-158	
1,4-Difluorobenzene (S)	%			106	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80679

80680

Original: H10100681006

MS Analysis Date/Time Analyst:

11/05/2010 13:26 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 13:54 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.908	0.90	90.8	90.0	36-160	0.9	36
4-Bromofluorobenzene (S)	%	102				104	103	50-158		
1,4-Difluorobenzene (S)	%	101	•			108	108	60-155		

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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

GCVW/2258

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

11/05/2010 00:00 by GCV

Associated Lab Samples:

H10100681006

H10100681007 H10100681008

H10100681009

H10100681010

H10100681011

METHOD BLANK: 80728

Analysis Date/Time Analyst:

11/05/2010 06:35 NNM

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/i	ND	1.0
1,4-Difluorobenzene (S)	%	96.8	70-130
4-Bromofluorobenzene (S)	%	102	70-130

LABORATORY CONTROL SAMPLE: 80729

Analysis Date/Time Analyst:

11/05/2010 07:31 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	20.2	101	70-130	
Ethylbenzene	ug/l	20	20.2	101	70-130	
Toluene	ug/l	20	20.1	101	70-130	
m,p-Xylene	ug/l	40	39.6	99.0	70-130	
o-Xylene	ug/l	20	19.7	98.4	70-130	
Xylenes, Total	ug/l	60	59.3	98.8	70-130	
1,4-Difluorobenzene (S)	%			96.0	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80730

80731

Original: H10100681006

MS Analysis Date/Time Analyst:

11/05/2010 14:21 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 15:00 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	21.8	21.0	109	105	66-141	3.7	31
Ethylbenzene	ug/l	ND	20	21.5	20.3	107	101	52-136	5.5	28
Toluene	ug/l	ND	20	21.5	20.8	107	103	61-131	3.3	25
m,p-Xylene	ug/l	ND	40	42.2	39.9	106	99.8	60-130	5.6	36
o-Xylene	ug/l	ND	20	21.2	20.1	106	101	64-130	5.0	30
Xylenes, Total	ug/l	ND	60	63.4	60.1	106	100	60-130	5.4	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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80730

80731

Original: H10100681006

MS Analysis Date/Time Analyst:

11/05/2010 14:21 NNM

MSD Analysis Date/Time Analyst:

11/05/2010 15:00 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S) 4-Bromofluorobenzene (S)	%	95.9 99.8				96.0 98.4	96.0 97.8	70-130 70-130	

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.

Report ID: H10100681\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

GCVW/2262

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

11/08/2010 00:00 by GCV

Associated Lab Samples:

H10100681008

. . . . . . .

H10100681009

METHOD BLANK: 80847

Analysis Date/Time Analyst:

11/08/2010 11:49 JWS

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	%	94.4	50-158	
1,4-Difluorobenzene (S)	%	104	60-155	

LABORATORY CONTROL SAMPLE: 80848

Analysis Date/Time Analyst:

11/08/2010 12:44 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.905	90.5	70-130	
4-Bromofluorobenzene (S)	%			98.5	50-158	
1,4-Difluorobenzene (S)	%			111	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80849

80850

Original: H10100681009

MS Analysis Date/Time Analyst:

11/08/2010 15:46 JWS

MSD Analysis Date/Time Analyst:

11/08/2010 16:14 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	16	25	35.3	34.6	76.0	73.3	36-160	1.9	36
4-Bromofluorobenzene (S)	%	94.8				98.0	98.6	50-158		
1,4-Difluorobenzene (S)	%	108				116	117	60-155		

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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

GCVW/2266

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

11/09/2010 00:00 by GCV

GCV

Associated Lab Samples:

: H10100680009

H10100681008

H10100681009

H10100681010

H10100681013

METHOD BLANK: 80950

Analysis Date/Time Analyst:

11/09/2010 08:03 JWS

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)	%	98.2	70-130	
4-Bromofluorobenzene (S)	%	89.3	70-130	

LABORATORY CONTROL SAMPLE: 80951

Analysis Date/Time Analyst:

11/09/2010 08:57 JWS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	18.1	90.6	70-130	
Ethylbenzene	ug/l	20	18.4	92.2	70-130	
Toluene	ug/l	20	18.2	91.1	70-130	
m,p-Xylene	ug/l	40	36.0	90.1	70-130	
o-Xylene	ug/l	20	17.3	86.6	70-130	
Xylenes, Total	ug/l	60	53.4	88.9	70-130	
1,4-Difluorobenzene (S)	%	•		98.0	70-130	
4-Bromofluorobenzene (S)	%	•		88.7	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80957

80958

Original: H10100681013

MS Analysis Date/Time Analyst:

11/09/2010 11:49 JWS

MSD Analysis Date/Time Analyst:

11/09/2010 12:17 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	20	20	36.1	33.8	78.4	67.0	66-141	6.5	31
Ethylbenzene	ug/l	130	20	127	119	NC	NC	52-136	NC	28
Toluene	ug/l	2.7	20	21.7	20.3	95.4	88.3	61-131	6.8	25
m,p-Xylene	ug/l	16	40	49.5	46.6	84.0	76.7	60-130	6.1	36
o-Xylene	ug/l	6.3	20	23.8	22.7	87.8	81.9	64-130	5.0	30
Xylenes, Total	ug/l	22.2	60	73.4	69.2	85.3	78.4	60-130	5.8	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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80957

80958

Original: H10100681013

MS Analysis Date/Time Analyst:

11/09/2010 11:49 JWS

MSD Analysis Date/Time Analyst:

11/09/2010 12:17 JWS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S) 4-Bromofluorobenzene (S)	% %	109 93.1			,	113 90.4	112 90.3	70-130 70-130	

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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

EXTO/2441

Analysis Method:

SW-846 8015B DRO LVI

QC Batch Method:

SW-846 8015B DRO LVI

Preparation:

11/02/2010 17:06 by A\_G

Associated Lab Samples:

H10100681001 H10100681007 H10100737001 H10100681002 H10100681008

H10100737002

H10100681003 H10100681009 H10100737003 H10100681004 H10100681010 H10100737004 H10100681005 H10100681011 H10100737005 H10100681006. H10100681013 H10100737006

H10100737007

METHOD BLANK: 79769

Analysis Date/Time Analyst:

11/04/2010 18:55 NDW

Parameter Units Result Qualifiers Limit

Diesel Range Organics(C10-C28) mg/l ND 0.050
n-Pentacosane (S) % 128 10-185

LABORATORY CONTROL SAMPLE & LCSD: 79770

79771

LCS Analysis Date/Time Analyst: 11/04/2010 19:40 NDW

LCSD Analysis Date/Time

11/04/2010 20:24 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD LCS Result % Re		% Rec Limit	RPD	Max RPD	
Diesel Range Organics(C10-C28) n-Pentacosane (S)	mg/l %	2	2.94	2.88 14 18	· · · · · · · · · · · · · · · · · · ·	21-175 10-185	2.2	43	

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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

IC/1538

Analysis Method:

**EPA 300.0** 

QC Batch Method:

EPA 300.0

H10100680001

H10100680002

H10100680004 H10100680003

H10100680005

H10100680006

H10100680007 H10100681004 H10100680008 H10100681005

H10100680009 H10100681006 H10100681001 H10100681007 H10100681002

H10100681003

METHOD BLANK: 80837

Associated Lab Samples:

Analysis Date/Time Analyst:

11/08/2010 12:28 ESK

Blank

Reporting

Parameter

Units

Result Qualifiers

Limit

Chloride

mg/l

ND

0.500

LABORATORY CONTROL SAMPLE: 80838

Analysis Date/Time Analyst:

11/08/2010 12:44 ESK

Parameter

Spike

LCS

LCS

91.2

% Rec

Units

Conc.

Result

% Rec

Limits

Chloride

mg/l

10

9.122

85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:80841

80842

Original: H10100681002

MS Analysis Date/Time Analyst:

11/08/2010 17:34 ESK

MSD Analysis Date/Time Analyst:

11/08/2010 17:50 ESK

Parameter		
		_

Parameter		Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Chloride	\	mg/l	124	100	225.2	235.2	101	111	80-120	4.3	20

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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **QUALITY CONTROL DATA**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

QC Batch:

IC/1541

Analysis Method: EPA 300.0

QC Batch Method:

**EPA 300.0** 

H10100681008

H10100681009 H10100681010 H10100681011

H10100681013

Associated Lab Samples: **METHOD BLANK: 81047** 

Analysis Date/Time Analyst:

11/08/2010 20:00 ESK

Blank

Reporting

Parameter

Units

**Result Qualifiers** 

Limit

Chloride

mg/l

ND

0.500

LABORATORY CONTROL SAMPLE: 81048

Analysis Date/Time Analyst:

11/08/2010 20:16 ESK

Parameter

Units

Spike

LCS

LCS

% Rec

Conc.

Result

% Rec

Limits

Chloride

mg/l

10

9.037

90.4

85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:81049

81050

Original: H10100681013

MS Analysis Date/Time Analyst:

11/08/2010 21:36 ESK

MSD Analysis Date/Time Analyst:

11/08/2010 22:08 ESK

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	
Chloride	mg/l	102	200	298.3	295.5	98.2	96.8	80-120	0.9	20	_

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.

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# Legend

# (S) - Indicates analyte is a surrogate

Qualifier Description
Recovery/RPD value outside QC limits
DCS Concentration
Analyte detected in the Method Blank
MTBE results were not confirmed by GCMS
Recovery out of range due to dilution
Results exceed calibration range
Exceeds holding time
Estimated value, between MDL and PQL (Florida)
Estimated value
The analysis indicates the presence of an analyte
Matrix Interference
Recovery outside of control limits
Not Calculable (Sample Duplicate)
Not Calculated - Sample concentration > 4 times the spike
Not Detected at reporting Limits
Pesticide dual column results, greater then 25%
Received past holding time
Too numerous to count
Not Detected at reporting Limits

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

			_	•	Analytical
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Batch
H10100681001	MW-26	SW-846 8015B DRO LVI	EXTO/2441	SW-846 8015B DRO LVI	GCSV/2134
H10100681002	MW-27	SW-846 8015B DRO LVI	EXTO/2441	SW-846 8015B DRO	GCSV/2134
H10100681003	MW-23	SW-846 8015B DRO LVI	EXTO/2441	SW-846 8015B DRO	GCSV/2134
H10100681004	MW-22	SW-846 8015B DRO LVI	EXTO/2441	SW-846 8015B DRO	GCSV/2134
H10100681005	MW-13	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681006	MW-19	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681007	MW-14	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681008	MW-18	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681009	MW-12	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681010	DUP-2	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681011	SVE-10	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
H10100681013	MW-6	SW-846 8015B DRO LVI	EXTO/2441	LVI SW-846 8015B DRO	GCSV/2134
				LVI	
H10100681001	MW-26	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100681002	MW-27	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100681003	MW-23	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100681004	MW-22	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
H10100681005	MW-13	SW-846 8015B GRO Gas	GCVW/2252	SW-846 8015B GRO Gas	GCVW/2253
			•		•
H10100681001	MW-26	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100681002	MW-27	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100681003	MW-23	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100681004	MW-22	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100681005	MW-13	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
H10100681014	Trip Blank	SW-846 5030	GCVW/2254	SW-846 8021B	GCVW/2255
U40400604006	NAVA/ 40	SW-846 8015B GRO Gas	GCVW/2256	SW-846 8015B GRO	GCVW/2257
H10100681006	MW-19			Gas SW-846 8015B GRO	
H10100681007	MW-14	SW-846 8015B GRO Gas	GCVW/2256	Gas SW-846 8015B GRO	GCVW/2257
H10100681010	DUP-2	SW-846 8015B GRO Gas	GCVW/2256	Gas	GCVW/2257
H10100681011	SVE-10	SW-846 8015B GRO Gas	GCVW/2256	SW-846 8015B GRO Gas	GCVW/2257
H10100681013	MW-6	SW-846 8015B GRO Gas	GCVW/2256	SW-846 8015B GRO Gas	GCVW/2257

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10100681: East Hobbs Junction

Project Number: EHJ 114-6400709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10100681006	MW-19	SW-846 5030	GCVW/2258	SW-846 8021B	GCVW/2259
H10100681007	MW-14	SW-846 5030	GCVW/2258	SW-846 8021B	GCVW/2259
H10100681008	MW-18	SW-846 5030	GCVW/2258	SW-846 8021B	GCVW/2259
H10100681009	MW-12	SW-846 5030	GCVW/2258	SW-846 8021B	GCVW/2259
H10100681010	DUP-2	SW-846 5030	GCVW/2258	SW-846 8021B	GCVW/2259
H10100681011	SVE-10	SW-846 5030	GCVW/2258	SW-846 8021B	GCVW/2259
H10100681001	MW-26	EPA 300.0	IC/1538		
H10100681002	MW-27	EPA 300.0	IC/1538		
H10100681003	MW-23	EPA 300.0	IC/1538		
H10100681004	MW-22	EPA 300.0	IC/1538		
H10100681005	MW-13	EPA 300.0	IC/1538		
H10100681006	MW-19	EPA 300.0	IC/1538		
H10100681007	MW-14	EPA 300.0	IC/1538		•
H10100681008	MW-18	SW-846 8015B GRO Gas	GCVW/2262	SW-846 8015B GRO Gas	GCVW/2263
H10100681009	MW-12	SW-846 8015B GRO Gas	GCVW/2262	SW-846 8015B GRO Gas	GCVW/2263
H10100681008	MW-18	SW-846 5030	GCVW/2266	SW-846 8021B	GCVW/2267
H10100681009	MW-12	SW-846 5030	GCVW/2266	SW-846 8021B	GCVW/2267
H10100681010	DUP-2	SW-846 5030	GCVW/2266	SW-846 8021B	GCVW/2267
H10100681013	MW-6	SW-846 5030	GCVW/2266	SW-846 8021B	GCVW/2267
H10100681008	MW-18	EPA 300.0	IC/1541		
H10100681009	MW-12	EPA 300.0	IC/1541		
H10100681010	DUP-2	EPA 300.0	IC/1541	•	
H10100681011	SVE-10	EPA 300.0	IC/1541		
H10100681013	MW-6	EPA 300.0	IC/1541		

Report ID: H10100681\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# **Sample Receipt Checklist**

WorkOrder: H10100681 **BAF** Received By Date and Time 10/28/2010 09:28 Carrier Name: **FEDEXS** Temperature: 4.0,4.0,3.5°C Chilled By: Water Ice Airbill - Temp: 872703743218-4.0C-50lb/872703743229-4.0C-50lb/872703743230-3.5C-50lb/ Shipping container/cooler in good condition? YES Custody seals intact on shipping container/cooler? YES 3. Custody seals intact on sample bottles? Not Present Chain of custody present? YES Chain of custody signed when relinquished and received? YES Chain of custody agrees with sample labels? NO Sample MW-9 was not received Chain# 300585 7. Samples in proper container/bottle? YES Samples containers intact? NO 2 vials for sample ID MW-26 received broken however 4 remain for analysis 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: Erica Cardenas 10/28/2010 Contact Date & Time: Client Name Contacted: **Greg Pope** 

Per client, MW-9 was not sampled.

Report ID: H10100681\_6159

Client Instructions:

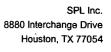


☐ 8880 Interchange Drive Houston, TX 77054 (713) 660-0901	Rush TAT requires prior notice	o Brancos raix	Standard	1 Business Day Contract	Requested TAT		Client/Consultant Remarks:	mw - 23	ガモ・ダス				M8-27	*			MM-SE	SAMPLE ID	Intuing Ter	<b>h</b>	Project Name/No.: 1/4-64	Client Contact: G POPE	e/Fax: 4	City 72 10 May	The: 10 154 16	-I	1000
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\$00 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775	102810 time 2.	date	Ö Ö	<u> </u>	Email PDF	3	remarks:	1 2 K K	イナイト	7 0	ナーA	<	× <	1 4 1 0	1 4 A	トルーく	※ 又でく	P=  G=	plast glas	ic s	A=a V=vi	ambo al 2	=oil ve > er g K=o		bottle	7	
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8880 Interchange Drive Houston, TX 77054

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	5. Relinquished by:	inquished by:	1. Relinquished by Sampler:	1 Level 4 QC	Special Reporting Requirements Results: Fax		d /   0 - 0   7 5 0	2 8		930	+			915	558	35B 01-01-12	DATE TIME	ph.	and the control of th	Email:	State // Zip M7		Analysis Request & Chain of Custody Record	SPL, Inc.
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Phone: (713) 660-0901 Fax: (713) 660-8975

8880 Interchange Drive Houston, TX 77054 (713) 660-0901	Rush TAT requires prior notice	3 Business Days	2 Business Days Standard	Contract	Requested TAT		Client/Consultant Remarks:	21-MM	21 - MM	<b>←</b>			- m-	<	•	•	mw-19.	SAMPLE ID	Site Location: HOGOS		Project Name/No.: //4-64 Q	Client Contact: (- Por	City MIN(A)	Address: 1910 N By 5	nalysis Re	
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Phone: (713) 660-0901 Fax: (713) 660-8975

# Certificate of Analysis

February 11, 2011

Workorder: H11010414

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

Project: East Hobbs Junction

Project Number: 114-6400787

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

This Report Contains A Total Of 76 Pages

**Excluding Any Attachments** 

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## Certificate of Analysis

February 11, 2011

**Workorder: H11010414** 

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Project: East Hobbs Junction
Project Number: 114-6400787

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

#### 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.

Received DUP sample but not listed on chain. Logged in with analysis.

Received one liter broken for the requested DRO analysis for MW-25. SPL continued with analysis with extra container.

#### 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.

SW8015 - Diesel Range Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not analyzed with Batch IDs: EXTO/2649 and EXTO/2650. 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.

IC - Ion Chromatography:

Sample IDs "MW-25" (SPL ID: H11010414004) for Batch ID IC/1627 and "DUP" (SPL ID: H11010414022) for Batch ID IC/1628 were randomly selected for use in SPL's quality control program. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Chloride 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.

#### **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 " ).

Report ID: H11010414 6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## Certificate of Analysis

February 11, 2011

Greg W Pope, PG Tetra Tech 1910 N. Big Spring Street Midland, TX 79705 Workorder: H11010414

**Project: East Hobbs Junction** 

Project Number: 114-6400787

Site: East Hobbs Junction, Hobbs, NM

PO Number: 4511063196

NELAC Cert. No.: T104704205-09-3

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 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, Senior Project Manager

**Enclosures** 

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

## **SAMPLE SUMMARY**

Workorder: H11010414: East Hobbs Junction

. Project Number: 114-6400787

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time : * Received
H11010414001	MW-21	Water		1/25/2011 12:35	1/27/2011 09:10
H11010414002	MW-16	Water		1/25/2011 12:52	1/27/2011 09:10
H11010414003	MW-20	Water		1/25/2011 13:07	1/27/2011 09:10
H11010414004	MW-25	Water		1/25/2011 13:31	1/27/2011 09:10
H11010414005	MW-24	Water		1/25/2011 13:47	1/27/2011 09:10
H11010414006	MW-15	Water		1/25/2011 14:05	1/27/2011 09:10
H11010414007	MW-4	Water		1/25/2011 14:21	1/27/2011 09:10
H11010414008	MW-5	Water		1/25/2011 14:33	1/27/2011 09:10
H11010414009	MW-26	Water		1/26/2011 08:29	1/27/2011 09:10
H11010414010	MW-27	Water		1/26/2011 08:53	1/27/2011 09:10
H11010414011	MW-23	Water		1/26/2011 09:09	1/27/2011 09:10
H11010414012	MW-22	Water		1/26/2011 09:25	1/27/2011 09:10
H11010414013	MW-13	Water		1/26/2011 09:45	1/27/2011 09:10
H11010414014	MW-19	Water		1/26/2011 09:57	1/27/2011 09:10
H11010414015	MW-14	Water		1/26/2011 10:22	1/27/2011 09:10
H11010414016	MW-18	Water		1/26/2011 09:34	1/27/2011 09:10
H11010414017	MW-12	Water		1/26/2011 10:52	1/27/2011 09:10
H11010414018	SVE-10	Water		1/26/2011 11:10	1/27/2011 09:10
H11010414019	MW-6	Water		1/26/2011 11:22	1/27/2011 09:10
H11010414020	Dup#2	Water		1/26/2011 00:00	1/27/2011 09:10
H11010414022	DUP	Water		1/25/2011 00:00	1/27/2011 09:10
H11010414023	Trip Blank 01/17/2011	Water		1/26/2011 00:00	1/27/2011 09:10

Report ID: H11010414\_6159



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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414001

Date/Time Received: 1/27/2011 09:10

Matrix: W

Water

Sample ID: MW-21

Date/Time Collected: 1/25/2011 12:35

#### **VOLATILES**

	SW-846 5030Analytical Batch: 2410 SW-846 8		21:14 by N	NM	
Parameters:	Results ug/i- Qual	Report Limit	MDL	DF Re	Batch Information
Benzene	ND	1.0	0.32	1	2410
Ethylbenzene	ND	1.0	0.22	1	2410
Toluene	ND	. 1.0	0.19	1	2410
m,p-Xylene	ND	1.0	0.29	1	2410
o-Xylene	. ND	1.0	0.21	1	2410
Xylenes, Total	ND	1.0	0.21	1	2410
1,4-Difluorobenzene (S)	97.6 %	70-130		1	2410
4-Bromofluorobenzene (S)	96.3 %	70-130		1	2410
Preservation pH	<2			1	2410

## Gasoline Range Organics (GRO)

Analysis Desc: SW-846/8015B GRO Gas	Batch: 2428 SW-846.801 Results	58 GRO Gas on 0	02/02/2011 (		Batch Information pLint ' Prep "Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2428
1,4-Difluorobenzene (S)	97.3 %	60-155		1	2428

50-158

97.3 %

#### **SEMIVOLATILE HYDROCARBONS**

4-Bromofluorobenzene (S)

Analysis Desc: SW-846 8015B/DRO	Preparation Batches: Batch: 2649 SW-846:351 Analytical Batches: Batch: 2321 SW-846:801		1177			
Parameters  Diesel Range Organics (DRO) n-Pentacosane (S)	Results mg/l Qual ND 79.8 %	Report Limit 0.21 20-154	MDL 0.021	DF Rec 1 1	Batch Info JLmt Prep 2649 2649	40400000000000000000000000000000000000

#### **WET CHEMISTRY**

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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414001

Date/Time Received: 1/27/2011 09:10

Matrix: V

Water

Sample ID: MW-21

Date/Time Collected: 1/25/2011 12:35

Analysis Desc: EPA 300:0 Analytical Batches:

% Batch: 1627 EPA 300.0 on 01/31/2011:13:21 by ESK

Results Batch information
Parameters mg/l Qual Report Limit MDL DF RegLimt Prep Analysis

Chloride 926 50.0 12.6 100 1627

Report ID: H11010414\_6159



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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414002

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-16

Date/Time Collected: 1/25/2011 12:52

VOI	_ATII	LES

Analysis Desc: SW-846 8021B	SW-846 5030Analytical	Batches:			
	Batch: 2410 SW-846 80	021B on 01/28/2011	22:38 by N	INM	
	100 E				
	Results		1		Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF RegLi	nt Prep Analysis
Benzene	ND	1.0	0.32	1	2410
Ethylbenzene	ND	1.0	0.22	1	2410
Toluene	ND	1.0	0.19	1	2410
m,p-Xylene	ND	1.0	0.29	1	2410
o-Xylene	ND	1.0	0.21	1	2410
Xylenes, Total	ИD	1.0	0.21	1	2410
1,4-Difluorobenzene (S)	97.7 %	70-130		1	2410
4-Bromofluorobenzene (S)	95.8 %	70-130		1	2410
Preservation nH	<2			1 ·	2410

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasA	inalytical Batches			
programme and the second secon	- Batch: 2428/ SW-846 8015	5B GRO Gas on (	02/02/2011	13:25 by NNM	
	Results				Batch Information
Parameters	mg/I Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Gasoline Range Organics	ND .	0.10	0.017	1	2428
1,4-Difluorobenzene (S)	98.7 %	60-155		1	2428
4-Bromofluorobenzene (S)	100 %	50-158		1	2428

## SEMIVOLATILE HYDROCARBONS

	Batch: 2321' SW-846 80	15B DRO on 01/31	1/2011 12:57	by NDW		
	Results	and the second second			Batch Info	rmation
Parameters:		Report Limit	MDL	DF Re	gĽmt Prep /	
5	ND	0.00	0.021	4	2040	0004
Diesel Range Organics (DRO)	ND	0.20	0.021	1	2649	2321

## WET CHEMISTRY

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# **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414002

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-16

Date/Time Collected: 1/25/2011 12:52

	alytical Batches: tch: 1627 EPA 300:0 on Results mg/l Qual	01/31/2011 14:10 t Report Limit		Batch Information oglimt Prep Analysis
Chloride	145	5.00	1.26 10	1627

Report ID: H11010414\_6159



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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414003

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-20

Date/Time Collected: 1/25/2011 13:07

#### **VOLATILES**

Analysis Desc: SW-846 8021B	SW-846 5030 Analytical Batches:						
	Batch: 2410 SW-846 80	Batch: 2410   SW-846 8021B on 01/28/2011 23:06 by NNM					
			9.7				
	Results				Batch Information		
Parameters	ug/l <sub>i</sub> Qual	Report Limit	MDL	DF RegLmt	Prep. Analysis		
Benzene	ND	1.0	0.32	1	2410		
Ethylbenzene	ND	1.0	0.22	1	2410		
Toluene	ND	1.0	0.19	1	2410		
m,p-Xylene	ND	1.0	0.29	1	2410		
o-Xylene	. ND	• 1.0	0.21	1	2410		
Xylenes, Total	· ND	1.0	0.21	1	2410		
1,4-Difluorobenzene (S)	98.2 %	70-130		1	2410		
4-Bromofluorobenzene (S)	96 %.	70-130		1	2410		
Preservation pH	<2			1	2410		

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas	Analytical Batches			
	Batch: 2428- SW-846 80	15B GRO Gas on (	02/02/2011	12:57 by NNM	
		we pay			5.35
	Results				Batch Information
Parameters:	mg/l Qual	Report Limit	MDL	DF Regi	imt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2428
1,4-Difluorobenzene (S)	99.9 %	60-155	0.017	1	2428
4-Bromofluorobenzene (S)	101 %	50-158		1	2428
- (-)					

## **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846 8015B DRO	Preparation Batches:					
	Batch: 2649 SW-846 351	0C on 01/28/2011	13:09 by M	B2	and the second	
	Analytical Batches:					
	Batch: 2321 SW-846.801	5B DRO on 01/31	/2011 13:17	by NDW		
				4		
	Results				* Batch Infor	
Parameters	mg/l <sup>Qual</sup>	Report Limit	MDL	DF Re	gLmt Prep A	nalysis
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2649	2321
n-Pentacosane (S)	98.3 %	20-154		1	2649	2321

## **WET CHEMISTRY**

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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414003

Date/Time Received: 1/27/2011 09:10

Water

Sample ID: MW-20

Date/Time Collected: 1/25/2011 13:07

Analysis Desc: EPA 300.0 Analytical Batches: 🔊

Batch: 1627, EPA 300 0 on 01/31/2011 14:26 by ESK

Results mg/l; Qual Report Limit. MDL:

Batch Information DE Regumt Prep Analysis

Chloride

Parameters:

10

Matrix:

1627

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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414004

Date/Time Received: 1/27/2011 09:10

Water Matrix:

Sample ID: MW-25

Date/Time Collected: 1/25/2011 13:31

ΔTII	

Analysis Desc: SW-846 8021B	SW-846 5030Analytical	Batches:			
# 1 m	Batch: 2418 SW-846 8	021B on 01/29/2011	01:13 by N	NM 🔭	
	Results				Batch Information
Parameters: #**	<b>üg/</b> I. Qual	Report Limit	MDL	DF RegL	.mt. Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	98.4 %	70-130		1	2418
4-Bromofluorobenzene (S)	99.2 %	70-130		1	2418
Preservation pH	<2			1	2418

## **Gasoline Range Organics (GRO)**

Analysis Desci SW-846 8015B GRC Gas. Parameters	SW-846 8015B GRO GasAn Batch: 2420 SW-846 8015B Results mg/J Qual			NM Batch Information RegEmt Prep Analysis
Caralias Danas Caralias		0.40	0.047	2420
Gasoline Range Organics	ND	0.10	0.017 1	. 2420
1,4-Difluorobenzene (S)	101 %	60-155	1	2420
4-Bromofluorobenzene (S)	102 %	50-158	1	2420

## SEMIVOLATILE HYDROCARBONS Analysis Desc: SW-846 8015B DRO

	Datcii: 2049 GW-040 6	5106 0110 112 <b>6/2</b> 0 111	13.09 by ivi	32		
	Analytical Batches:					
reach and the second se	Batch: 2321 SW-846 8	015B DRO on 01/31/	2011 13:38	by NDW		
	Results				Batch Info	ormation
Parameters	mg/l. Qual	Report Limit , .	MDL *	DF Regl	mt Prep	Analysis <sup>*</sup>
Diesel Range Organics (DRO)	ND	0.20	0.021	1	2649	2321
n-Pentacosane (S)	. 103 %	20-154		.1	2649	2321

Preparation Batches:

## **WET CHEMISTRY**

Report ID: H11010414\_6159



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1627

#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

Chloride

H11010414004

Date/Time Received: 1/27/2011 09:10

Water

Matrix:

10

Sample ID: MW-25

Date/Time Collected: 1/25/2011 13:31

Analysis:Desc; EPA 300.0 Analytical Batches:

Batch: 1627 EPA 300.0 on 01/31/2011 14:42 by ESK

Results BatchInformation

Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

132

Report ID: H11010414\_6159



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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414005

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-24

Date/Time Collected: 1/25/2011 13:47

**VOLATILES** 

Analysis Desc: SW-846 80218 SW	-846 5030Analytical Bat	ches: i				
Bat	ch: 2418 SW-846 8021	B on 01/29/2011 0	32 by NNM			
	100					<b>Y</b>
	Results	140			Batch Info	rmatio
Parameters 1	ug/J Qual	Report Limit	MDL [	DF, RegL	mt Prepa /	Analys
Benzene	ND ·	1.0	0.32	1	4	24
		1.0				-:

Parameters	ug/j Qual	- Report Limit	MDL	DF. Regur	nt Prep. Analysis.
Benzene	ND ·	1.0	0.32	1	2418
Ethylbenzene	. ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	100 %	70-130		1	2418
4-Bromofluorobenzene (S)	100 %	70-130		1	2418
Preservation pH	<2			1	2418

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas/	Analytical Batches:			
	Batch: 2420 / SW-846 801	5B GRO Gas on 01	/29/2011 0	3:32 by NN	M
	Results				Batch Information
Parameters	mg/I Qual	Report Limit	MDL	DF R	egLmt Prep Analysis
Gasoline Range Organics	0.15	0.10	0.017	1	2420
1.4-Difluorobenzene (S)	104 %	60-155	1	1	2420

50-158

103 %

### **SEMIVOLATILE HYDROCARBONS**

4-Bromofluorobenzene (S)

Analysis Desc: SW-846 8015B DRO	Preparation Batches:		200			
	Batch: 2649 SW-846 35	IOC on 01/28/2011	13:09 by M	B2		
The second secon	Analytical Batches:					
	Batch: 2321 - SW-846 80	15B DRO on 01/31	/2011 13:58	by NDW		
	Results				Batch Info	rmation.
Parameters	mg/I Qual	Report Limit	MDL	DF R	egLmt Prep	Analysis
Diesel Range Organics (DRO)	0.41	0.21	0.021	1	2649	2321
n-Pentacosane (S)	94.4 %	20-154		1	2649	2321

**WET CHEMISTRY** 

Report ID: H11010414\_6159

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2420



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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

**Parameters** 

H11010414005

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-24

Analysis Desc: EPA 300.0

Date/Time Collected: 1/25/2011 13:47

Analytical Batches:

Batch: 1627 PPA 300.0 on 01/31/2011 15:30 by ESK

Batch Information Results Prep Analysis mg/l Qual Report Limit MDL DF. RegLmt

Chloride 218 10.0 1627

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414006

Date/Time Received: 1/27/2011 09:10

Matrix:

`Water

Sample ID: MW-15

Date/Time Collected: 1/25/2011 14:05

voi	ΔTII	F.S

Analysis Desc: SW-846'8021B	SW-846 5030Analytical E	Batches:		4	
	Batch: 2418 SW-846 80	21B on 01/29/2011	04:00 by N	NM	
	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF, RegLm	it Prep Analysis
Benzene	ND	` 1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	98.4 %	70-130		1	2418
4-Bromofluorobenzene (S)	99.3 %	70-130		1	2418
Preservation pH	<2		,	1	2418

#### Gasoline Range Organics (GRO)

Analysis Desc; SW-846 8015B GRO Gas	SWCW/9469046D/CDOVCS				
Alialysis Desc. SW-640 (U.I.SB GRO Gas)	377-046 60 136 GRU Ga	sanalylical batches			
	Batch: 2420 SW-846 80	15B GRO Gas on	01/29/2011 (	04:00 by NNM	
			100	100	
	10 Sept. 10				
	Results				Batch Information
Parameters	mg/l Qual	Report Limit	, MDL ,	DF Reg	Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	101 %	60-155		. 1	2420
4-Bromofluorobenzene (S)	104 %	50-158		1	2420

### **SEMIVOLATILE HYDROCARBONS**

WET CHEMISTRY						
n-Pentacosane (S)	98.1 %	20-154		1	2649	2321
Diesel Range Organics (DRO)	3.5	0.22	0.022	1	2649	2321
Parameters	mg/l Qual	Report Limit	MDL	DF RegLm	nt Prep	Analysis
	Results		4		Batch Info	rmation
	Batch: 2321 SW-846 8	015B DRO on 01/3	l/2011 14:18	B by NDW		
	Analytical Batches:					
	Batch: 2649 SW-846-3	510C on 01/28/201	1 13:09 by N	1B2		
Analysis Desc: SW-846 8015B DRO	Preparation Batches:					

Report ID: H11010414\_6159

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414006

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-15

Date/Time Collected: 1/25/2011 14:05

10.0

Analysis Desc: EPA 300.0 Analytical Batches: ...

Batch: 1627 EPA 300:0 on 01/31/2011 15:46 by ESK

Results

185

Batch Information: mg/l Qual Report Limit DE. RegLmt MDL" Prep Analysis

Chloride

2.52

20

1627

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414007

Date/Time Received: 1/27/2011 09:10

Water

Matrix:

D:

Date/Time Collected: 1/25/2011 14:21

**VOLATILES** 

Sample ID: MW-4

Analysis Desc: SW-846 80216	SW-846 5030Analytical Batches	CONTRACTOR OF THE PARTY OF THE
	and the second s	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Batch: 2418, SW-846 8021B on 01/29/2011 05:52 by NNM	Magazi at Standard of the
The second secon		
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
		and the second second
		* * * * * * * * * * * * * * * * * * *
	Results	Batcl
		And the second s

	Results				Batch Information
Parameters 4.	ug/l Qual	Report Limit	MDL	DF R	gLmt : Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	97.2 %	70-130		1	2418
4-Bromofluorobenzene (S)	99 %	70-130		1	2418
Preservation pH	. <2		•	1	2418

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 80158 GRO Gas			4		
	Batch: 2420: SW-846 8015	B GRU Gas on U	1/29/2011 05	9:52 DY NNM	
	Results .				Batch Information
Parameters, // 1	mg/I Qual	Report Limit	MDL	DF Reg	Lmt/ Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	100 %	60-155		1	2420
4-Bromofluorobenzene (S)	102 %	50-158		-1	2420

## **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846 8015B DRO	Preparation Batches:		100		e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
	Batch: 2649. SW-846 351	0C on:01/28/2011	13:09 by M	B2	and the second	
	Analytical Batches: 4 4					
	Batch: 2321 SW-846 801	5B DRO on 01/31	/2011 15:39	by NDW		
	10 to 10 to	and the second			The Company of the Company	
	Results				Batch Info	96 496 4597 PROPERTY.
Parameters .	mg/l Qual	Report Limit	MDL	DF Re	gLmt Prep	Analysis.
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2649	2321
n-Pentacosane (S)	86.8 %	20-154		1	2649	2321

**WET CHEMISTRY** 

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414007

Date/Time Received: 1/27/2011 09:10

Matrix: Wa

Water

Sample ID: MW-4

Date/Time Collected: 1/25/2011 14:21

Analysis Desc. EPA 300:0 Analytical Batches:

Batch: 1627 EPA 300.0 on 01/31/2011 16:03 by ESK

Results . Batch Information
Parameters . mg/l Qual Report Limit MDL - DF RegLmt Prep Analysis

Chloride 73.3 5.00 1.26 10 1627

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414008

Date/Time Received: 1/27/2011 09:10

Matrix: Water

Sample ID: MW-5

Date/Time Collected: 1/25/2011 14:33

V	ΩI	Δ	T	1	FS

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	itches:			
	Batch: 2418 SW-846 802	1B on 01/29/2011	06:20 by N	INM 💮 📑	
di di	an a said an an an an an an an an an an an an an				
	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	99.5 %	70-130	*	1	2418
4-Bromofluorobenzene (S)	101 %	70-130		1	2418
Preservation pH	<2			1	2418

### **Gasoline Range Organics (GRO)**

Analysis: Desc: SW-846 8015B GRO Gas

B Parameters	atch::2420 SW-846 80 Results mg/l Qual	15B GRO Gas on 0	u di Na Salat Salat		Batch Information
Gasolíne Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	101 %	60-155		1	2420

50-158

102 %

SW-846 8015B GRO GasAnalytical Batches:

## **SEMIVOLATILE HYDROCARBONS**

4-Bromofluorobenzene (S)

Analysis Desc: SW-846 8015B DRO	Preparation Batches:					
	Batch: 2650 SW-846 351	0C on 01/28/2011	15:01 by MI	32.		
	Analytical Batches:				d Janes	
	*Batch: 2326 * SW-846 801	5B DRO on 02/01	/2011 14:16	by NDW		
en en Stronger i de la companya de l						
	Results		4		Batch Info	
Parameters	mg/I Qual	Report Limit	MDL	⊕ DF∴ Re	glimt 🦲 Prep 🛚 🕹	inalysis.
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2650	2326
n-Pentacosane (S)	88.1 %	20-154		1	2650	2326

## **WET CHEMISTRY**

Report ID: H11010414\_6159

Printed: 02/11/2011 17:37

2420



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414008

Date/Time Received: 1/27/2011 09:10

Matrix: Wa

Water

Sample ID: MW-5

Date/Time Collected: 1/25/2011 14:33

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1627 EPA 300.0 on 01/31/2011 16:19 by ESK

Results Batch:Information
Parameters mg/l Qual Report Limit MDL DF RegLimt Prep Analysis

Chloride 90.1 5.00 1.26 10 1627

Report ID: H11010414\_6159

Printed: 02/11/2011 17:37

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414009

Date/Time Received: 1/27/2011 09:10 Matrix:

Water

Sample ID: MW-26

Date/Time Collected: 1/26/2011 08:29

1//	$\sim$ 1	A TI	I FS

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	atches:			
and the second s	Batch: 2418 SW-846 802				
	Results		7 L		Batch Information
Parameters	- ug/l⊢Qual	::Report Limit	MDL	+ DF RegLint	Prep Analysis
Benzene	ND .	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	97.6 %	70-130		1	2418
4-Bromofluorobenzene (S)	99.5 %	70-130		1	2418
Preservation pH	<2			1	2418

# **Gasoline Range Organics (GRO)**

	Batch: 2420 SW-846 8015B GRO Gas on 01/29/2011 06:47 by NNM
	Results Batch Information
Parameters 2	mg/i Qual Report Limit MDL DF RegLint Prep Analysis

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO GasAnalytical Batches:

Parameters 2.	mg/I = Qual	Report Limit	MDL	DF RegLi	nt Prépi. Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	100 %	60-155		1	2420
4-Bromofluorobenzene (S)	102 %	50-158		1	2420

#### SEMIVOLATILE HYDROCARBONS

CEMIT CEATILE III DITOCATIDOTO	
Analysis Desc: SW-846 8015B/DRO	Preparation Batches:
	Batch: 2650. SW-846 3510C on 01/28/2011 15:02 by MB2
	Analytical Batches:
	Batch: 2326 SW-846.8015B DRO on 02/01/2011 14:36 by NDW

Parameters.	Results mg/J Qual	Report Limit	MDL	DF Reg	Batch Info Lmt Prep /	
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2650	2326
n-Pentacosane (S)	87.1 %	20-154		1	2650	2326

### **WET CHEMISTRY**

Report ID: H11010414\_6159



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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414009

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-26

Analysis Desc: EPA 300.0

Date/Time Collected: 1/26/2011 08:29

Analytical Batches:

Batch: 1627 EPA 300 0 on 01/31/2011 16:35 by ESK

; Batch Information RegLmt Prep Analysis mg/I. Qual. Report Limit . MDL DF

**Parameters** Chloride

146

5.00

1.26

10

1627

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414010

Date/Time Received: 1/27/2011 09:10

Water

vvat

Matrix:

Sample ID: MW-27

Date/Time Collected: 1/26/2011 08:53

#### **VOLATILES**

Analysis Desc: SW-846 8021B*** A	SW-846 5030Analytical Batches:  Batch: 2410 - SW-846 8021B on 01/28/2011 15:38 by NNM					
	Results				Batch Information	
Parameters	The state of the s	Report Limit	MDL	DF RegLmt		
Benzene	7.8	1.0	0.32	1	2410	
Ethylbenzene	· ND	1.0	0.22	1 '	2410	
Toluene	ND	1.0	0.19	1	2410	
m,p-Xylene	ND	1.0	0.29	1	2410	
o-Xylene	ND	1.0	0.21	1	2410	
Xylenes, Total	ND	1.0	0.21	1	2410	
1,4-Difluorobenzene (S)	98.1 %	70-130		1	2410	
4-Bromofluorobenzene (S)	96.3 %	70-130		1	2410	
Preservation pH	<2			1	2410	

## Gasoline Range Organics (GRO)

	Batch: 2432 SW-846 8015B GRO Gas on 02	2/03/2011 21:19:bv NNM
	Regulfs 3	Batch Information:
Parameters	mg/i Qual Report Limit	MDL DF RegLmt Prep Analysis
	III Will was to the control of the c	wine and the second second second second second second second second second second second second second second
	ter and the second of the seco	

Parameters	mg/l Qual	Report Limit	MDL	DF Regi	∟mt . Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2432
1,4-Difluorobenzene (S)	102 %	60-155		1	2432
4-Bromofluorobenzene (S)	102 %	50-158		1	` 2432

#### **SEMIVOLATILE HYDROCARBONS**

NAME OF THE PROPERTY OF THE PR		
Analysis Desc: SW-846 80158 DR	Ω Prenaration Rate	hee:
	9	
	DATAL OCEO CIA	/-846.3510C on 01/28/2011 15:02 by MB2
	Baich, 2000 Ov	/=040/35 IUC ON U1/20/2U1      13:U2 DY     VIDZ
	Analytical Batche	ig:

Analysis Desc: SW-846 8015B GRO Gas SW-846 8015B GRO Gas Analytical Batches:

Batch: 2326 SW-846 8015B DRO on 02/01/2011 14:56 by NDW

Parameters	Results mg/l Qual	Report Limit	MDL	DF Reg	Batch Infor .mt Prep A	mation inalysis
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2650	2326
n-Pentacosane (S)	92.7 %	20-154		1	2650	2326

#### **WET CHEMISTRY**

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414010

Date/Time Received: 1/27/2011 09:10

\Mater

Matrix:

Water

Sample ID: MW-27

Date/Time Collected: 1/26/2011 08:53

Chloride 127 5.00 1.26 10 1627

Report ID: H11010414\_6159

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414011

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-23

Date/Time Collected: 1/26/2011 09:09

VO	LA	HIL	.ES

Analysis Desc: SW-846 8021B	SW-846 5030Analytical Ba	tches:			
	Batch: 2418 SW-846 802				
	Results				Batch Information
Parameters 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14		Report Limit	MDL :	DF Reg	iLmt Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1 .	2418
. Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	. 2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	98.1 %	70-130		1	2418
4-Bromofluorobenzene (S)	99.4 %	70-130		1	2418
Preservation pH	<2			1	2418

### **Gasoline Range Organics (GRO)**

Analysis Desc SW-846 80 15B GRO Gas	SW-846 8015B GRO Gas	Analisinal Balabas			
Allalyan Description of Cast					
	Batch: 2420 SW-846 801	5B GRO Gas on 0	1/29/2011	07:43 by NNN	
					and the second of the second
	Results			2	Batch Information
Parameters.		Danad Jaja	MDL	DF Re	
raiameters	mg/i Qual	Report Limit	MDE	Dr. Re	gciii. Fiep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	` 2420
1,4-Difluorobenzene (S)	100 %	60-155		1	2420
4-Bromofluorobenzene (S)	102 %	50-158		1	2420

#### **SEMIVOLATILE HYDROCARBONS**

n-Pentacosane (S)	84.4 %	20-154		1	2650	2326
Diesel Range Organics (DRO)	ND	0.20	0.021	1	2650	2326
Parameters.	Results mg/I <sub>2</sub> Qual	Report Limit	MDL	DF Re	Batch Info gLmt Prep	rmation Analysis
	Batch: 2326 SW-846 8	015B DRO on 02/01/	2011 15:16	by NDW		
	Analytical Batches:	and the second second				
	Batch: 2650 : SW-846 3	510C on 01/28/2011	15:02 by M	B2		

Analysis Desc: SW-846 8015B DRO Preparation Batches:

#### **WET CHEMISTRY**

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1627

### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414011

Date/Time Received: 1/27/2011 09:10 Date/Time Collected: 1/26/2011 09:09 Matrix: \

Water

Sample ID: MW-23

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1627, EPA 300.0 on 01/31/2011 17:39 by ESK

Results Batch Information mg/I Qual Report Limit MDL DF RegLmt Prep Analysis

Chloride 63.2 2.50 0.630 5

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414012

Date/Time Received: 1/27/2011 09:10

. . <del>.</del> . . . . .

Matrix: \

Water

Sample ID: MW-22

Date/Time Collected: 1/26/2011 09:25

#### **VOLATILES**

10011120					
Analysis Desc: SW-846 80218	SW-846 5030Analytical b	Batches:			
12.00	Batch: 2418; SW-846 80	021B on 01/29/2011	08:11 by N	INM:	erje
And the second second second					
	Results				Batch Information
Parameters	ug/I Qual	Report Limit	MDL .	DF. Reg	Lmt Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	98.2 %	70-130		1	2418
4-Bromofluorobenzene (S)	99.1 %	70-130		1	2418
Preservation pH	<2			1	2418

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas Batch: 2420 SW-846 80				
	Results				Batch Information
Parameters	mg/l Qual	Report Limit	MDL	DF RegLm	nt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	99.3 %	60-155		1	2420
4-Bromofluorobenzene (S)	102 %	50-158		1	2420

# **SEMIVOLATILE HYDROCARBONS**

n-Pentacosane (S)	83.5 %	20-154		1	2650	2326
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2650	2326
Parameters .	mg/I, Qual	Report Limit	MDLV	DF Reg	Lmt Prep A	Analysis
	Results				Batch Info	rmation
	Batch: 2326; SW-846 801	28 PKO 01/02/0	1/2011 15:36	שט עס נע W		*
	Analytical Batches:					
	Batch: 2650 SW-846 351	0C on 01/28/201	1.15:02 by M	IB2		
Analysis Desc: SW-846 8015B DRO	Preparation Batches:			1		

#### **WET CHEMISTRY**

Report ID: H11010414\_6159



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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414012

Date/Time Received: 1/27/2011 09:10

Water '

Sample ID: MW-22

Date/Time Collected: 1/26/2011 09:25

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1627 PPA 300 0 on 01/31/2011:17:56 by ESK

Results Batch Information mg/I, Qual : Report Limit. MDL DF RegLmt Prep Analysis Parameters

87.6 1.26 10 1627 Chloride

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID: H11010414013

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-13

Date/Time Collected: 1/26/2011 09:45

VOI	ΔTII	EC

Analysis Desc: SW-846 8021B	SW-846/5030Analytical Ba	atches:			
	Batch: 2418 SW-846 802	21B on 01/29/2011	08:39 by N	NM	
	Results				Batch Information.
Parameters	ug/i Qual	Report Limit	MDL	DF Reg	Lmt. Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	97.3 %	70-130		1 .	2418
4-Bromofluorobenzene (S)	98.9 %	70-130		1	2418
Preservation pH	<2			1	2418

## **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gas	Analytical Batches	9	7.0	and the second
	Batch: 2420 , SW-846 80	15B GRØ Gas on (	01/29/2011	08:39 by NNM	
	Results				Batch Information
Parameters	mg/l Qual	Report Limit , a	MDL	DF Reg	Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	101 %	60-155		1	2420
4-Bromofluorobenzene (S)	102 %	50-158	٠.	1	2420

## SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO	Preparation Batches:					
	Batch: 2650, SW-846.35	10C on 01/28/201	1 15:02 by N	lB2		
	Analytical Batches:					
	Batch: 2326; SW-846 80	15B DRØ on 02/0	1/2011-15:56	by NDW.		
Line Control of the C	Results				Batch Info	en en en en en en en en en en en en en e
Parameters.	mg/l Qual	Report Limit	MDL	DF Reg	Lmt Prep	Analysis
Diesel Range Organics (DRO)	ND	0.20	0.021	1	2650	2326
n-Pentacosane (S)	69.6 %	20-154		1	2650	2326

## WET CHEMISTRY

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414013

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-13

Analysis Desc: EPA 300.0

Date/Time Collected: 1/26/2011 09:45

Analytical Batches:

Batch: 1627 EPA 300 0 on 01/31/2011 18:12 by ESK

Results

mg/l Qual

Report Limit

MDL DF RegLimt

Batch Information Prep Analysis

Chloride

74.9

2.50

0.630

5

1627

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414014

Date/Time Received: 1/27/2011 09:10

Matrix: Wa

Water

Sample ID: MW-19

Date/Time Collected: 1/26/2011 09:57

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 2418 SW-846 8021B on 01/29/2011 07:15 by NNM

	Results				Batch Information
Parameters : 12 12 12 12 12 12 12 12 12 12 12 12 12	ug/I Qual	Report Limit	.* :MDL#:	DF RegLmt	Prep Analysis
Benzene	ND	1.0	0.32	1	2418
Ethylbenzene	ND .	1.0	0.22	1	2418
Toluene	ND	1.0	0.19	1	2418
m,p-Xylene	ND	1.0	0.29	1	2418
o-Xylene	ND ·	1.0	0.21	1	2418
Xylenes, Total	ND	1.0	0.21	1	2418
1,4-Difluorobenzene (S)	97.9 %	70-130		1	2418
4-Bromofluorobenzene (S)	99.9 %	70-130		1	2418
Preservation pH	<2			1	2418

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GR0 GasA Batch: 2420 SW-846 8015			07:15 by NNM	
Parameters	Results <b>mg/l</b> Qual	Report Limit	MDL:	DF RegLr	Batch Information nt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2420
1,4-Difluorobenzene (S)	100 %	60-155		1	2420
4-Bromofluorobenzene (S)	102 %	50-158		1	2420

#### **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846 8015B DRO	Preparation Batches: Batch: 2650 SW-846,351	UC on 01/28/2015	45:02 by M	R2		
	Analytical Batches:					
	Batch: 2326; SW-846 801	15B DRO on 02/01	/2011 16:17	by NDW		
	Results				Batch Info	e woodstatemen bronds
Parameters: Diesel Range Organics (DRO)	mg/l⊸Qual ND	Report Limit 0.22	0.023	DF Re	gLmt Prep 2650	Analysis: 2326
n-Pentacosane (S)	83 %	20-154	0.025	1	2650	2326

#### **WET CHEMISTRY**

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414014

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-19

Date/Time Collected: 1/26/2011 09:57

Analysis Desc: EPA 300:0 Analytical Batches:

Batch: 1628 EPA 300 0 on 01/31/2011 19:00 by ESK

Results Batch Information
Parameters mg/l Qual Report Limit MDL DF RegLmt Prep Analysis

Chloride 174 10.0 2.52 20 1628

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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414015

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-14

Date/Time Collected: 1/26/2011 10:22

**VOLATILES** 

Analysis Desc: SW-846 8021B - SW-846 5030Analytical Batches:

Batch: 2426 SW-846 8021B on 02/02/2011 05:38 by NNM

	Results				Batch Information
Parameters	ug/l Qual	Report Limit	MDL.	DF RegL	mt. Prep Analysis
Benzene	ND	1.0	0.32	1	2426
Ethylbenzene	ND	1.0	0.22	1 :	2426
Toluene	ND	1.0	0.19	1	2426
m,p-Xylene	ND	1.0	0.29	1	2426
o-Xylene	ND	1.0	0.21	1	2426
Xylenes, Total	ND	1.0	0.21	1	2426
1,4-Difluorobenzene (S)	99.1 %	70-130		1	2426
4-Bromofluorobenzene (S)	96 %	70-130		1	2426
Preservation pH	<2			· 1	2426

**Gasoline Range Organics (GRO)** 

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO GasA	nalytical Batches			
	Batch: 2428 SW-846 8015	B GRO Gasion (	2/02/2011 0	5:38 by NNM	
And the second s	Results			10.00	Batch Information
Parameters	mg/l Qual	Report Limit	MDL	DF Reg	iLmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2428
1,4-Difluorobenzene (S)	98.3 %	60-155		1	2428
4-Bromofluorobenzene (S)	95.3 %	50-158		1	2428

## **SEMIVOLATILE HYDROCARBONS**

n-Pentacosane (S)	82.6 %	20-154	0.021	1	2650	2326
Diesel Range Organics (DRO)	ND	0.21	0.021	. 1	2650	2326
Parameters	mg/l Qual	Report Limit	MDL	DF Regi	∟mt Prep //	nalysis i
	Results	em uni			Batch Info	GOOD STREET
					-	
	Batch: 2326 SW-846 801	5B DRO on 02/01/	2011 17:37	by NDW		
	Analytical Batches:					
	Batch: 2650 «SW-846:351	IOC on 01/28/2011	15:03 by M	B2		
Analysis Desc: SW-846 8015B DRO	Preparation Batches:		212			

### **WET CHEMISTRY**

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414015

Date/Time Received: 1/27/2011 09:10 Date/Time Collected: 1/26/2011 10:22

Water

Sample ID: MW-14

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1628, EPA 300.0 on 01/31/2011 19:16 by ESK

Results

**Parameters** 

mg/| Qual Report Limit

, MDL

Batch Information DF RegLint Preg. Analysis

Chloride

216

10.0

2.52

20

Matrix:

1628

Report ID: H11010414\_6159

Printed: 02/11/2011 17:37

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414016

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-18

Date/Time Collected: 1/26/2011 09:34

**VOLATILES** 

Analysis Desc: SW-846 8021B SW-846 5030Analytical Batches:

Batch: 2434 SW-846 8021B on 02/03/2011 23:10 by NNM, DF = 10.

Batch: 2440. SW-846 8021B on 02/07/2011 17:48 by NNM DF = 50

	· Results · *				Batch Information
Parameters	CONTROL OF THE PROPERTY OF THE	Report Limit	MDL	- DF RegLint	CATALOG AND THE PROPERTY OF TH
Benzene	4100	50	16	50	2440
Ethylbenzene	110	10	2.2	10	2434
Toluene	ND	10	1.9	10	2434
m,p-Xylene	92	10	2.9	10	2434
o-Xylene	62	10	2.1	10	2434
Xylenes, Total	154	10	2.1	10	2434
1,4-Difluorobenzene (S)	97.4 %	70-130		50	2440
1,4-Difluorobenzene (S)	111 %	70-130		10	2434
4-Bromofluorobenzene (S)	99.7 %	70-130		10	2434
4-Bromofluorobenzene (S)	103 %	70-130		50	2440
Preservation pH	<2			10	2434

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO/Gas. Batch: 2438 SW-846 801			7:48 by NNM	
Parameters'	Results mg/l Qual	Report Limit	MDL	DF Reg	Batch Information Lmt Prep Analysis
Gasoline Range Organics	13	5.0	0.84	50	2438
1,4-Difluorobenzene (S)	99.6 %	60-155		50	2438
4-Bromofluorobenzene (S)	104 %	50-158		50	2438

### **SEMIVOLATILE HYDROCARBONS**

n-Pentacosane (S)	93.4 %	20-154		1	2650	2326
Diesel Range Organics (DRO)	0.73	0.22	0.022	1	2650	2326
Parameters 1	mg/l Qual	Report Limit	MDL	.₄DF Reg	Lmt. Prep A	nalysis
	Results				Batch Infor	acat management at the second
	Batch:/2326 SW-846/80	15B DRO on 02/01/	2011 17:57	by NDW		
	Analytical Batches:					
	Batch: 2650 SW-846 35	10C on 01/28/2011	15:03 by M	B2		
Analysis Desc: SW-846 8015B DRO	Preparation Batches:					33.25.00

### **WET CHEMISTRY**

Report ID: H11010414\_6159

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414016

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-18

Date/Time Collected: 1/26/2011 09:34

Analysis Desc: EPA 300.0 Analytical Batches: い いっと

Batch: 1628 / EPA 300.0 on 01/31/2011 19:32 by ESK

Results **Batch Information** mg/I: Qual Report Limit MDL DF RegLmt Prep Analysis **Parameters** 

200

10.0

2.52

Chloride

20

1628

Report ID: H11010414\_6159



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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414017

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-12

Date/Time Collected: 1/26/2011 10:52

**VOLATILES** 

Analysis Desc; SW-846 8021B. SW-846 5030Analytical Batches:

Batch: 2434 SW-846 80218 on 02/03/2011 23:38 by NNM DF = 10.

Batch: 2440 SW-846 8021B on 02/07/2011 16:24 by NNM DF = 50.

	Results			aratir -	* Batch Information
Parameters:	CONTROL OF THE PARTY OF THE PAR	Report Limit	MDL	DF R	eglimt Prep Analysis
Benzene	4000	50	16	50	2440
Ethylbenzene	140	10	2.2	10	2434
Toluene	ND	10	1.9	10	2434
m,p-Xylene	160	10	2.9	10	2434
o-Xylene	ND	10	2.1	10	2434
Xylenes, Total	160	10 -	2.1	10	2434
1,4-Difluorobenzene (S)	97.3 %	70-130		50	2440
1,4-Difluorobenzene (S)	111 %	70-130		10	2434
4-Bromofluorobenzene (S)	99.3 %	70-130		10	2434
4-Bromofluorobenzene (S)	102 %	70-130		50	2440
Preservation pH	<2			10	2434

### Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO Gas					
	Batch: 2438 SW-846 801	5B GRO Gas on 0	2/07/2011 1	16:24 by NNM	
	Results				Batch Information
Parameters 2	Manager and the second	Report Limit	MDL	DF Rec	Lmt Prep Analysis
Gasoline Range Organics	14	5.0	0.84	50	2438
1,4-Difluorobenzene (S)	99.4 %	60-155		50	2438
4-Bromofluorobenzene (S)	105 %	50-158		50	2438

### SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO	Preparation Batches:					
	Batch: 2650 / SW-846 351	0C on 01/28/2011	15:03 by Mi	B2		
Fig.	Analytical Batches:					
	Batch: 2326 SW-846 801	5B DRO on 02/01/	2011 18:17	by NDW		
	Results			264F	Batch Info	
Parameters:	mg/I. Qual	ReportLimit	MDL	DF Re	gĽmt Prep /	Analysis
Diesel Range Organics (DRO)	1.0	0.21	0.021	1	2650	2326
n-Pentacosane (S)	97.5 %	20-154		1	2650	2326

### **WET CHEMISTRY**

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Phone: (713) 660-0901 Fax: (713) 660-8975

1628

## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

Parameters

H11010414017

Date/Time Received: 1/27/2011 09:10 Date/Time Collected: 1/26/2011 10:52 Matrix: W

Water

Sample ID: MW-12

Analysis Desc: EPA 300.0.

Analytical Batches:

Batch: 1628 / EPA 300.0 on 01/31/2011 19:48 by ESK

Results Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information | Batch Information

Chloride 186 10.0 2.52 20

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# **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414018

Date/Time Received: 1/27/2011 09:10

Water

Matrix:

Sample ID: SVE-10

Date/Time Collected: 1/26/2011 11:10

VO	LATII	L E 6

Analysis Desc: SW-846 80218	SW-846 5030Analytical:	datches:					
	Batch: 2426 SW-846 80	Batch::2426, SW-846 8021B on 02/02/2011 08:22 by NNM					
		1					
	Results				Batch Information		
Parameters	ug/I Qual	Report Limit	MDL :	DF RegLmt	Prep Analysis		
Benzene	ND	1.0	0.32	1	2426		
Ethylbenzene	ND	1.0	0.22	1	2426		
Toluene	ND	1.0	0.19	1	2426		
m,p-Xylene	ND	1.0	0.29	1	2426		
o-Xylene	ND	1.0	0.21	1	2426		
Xylenes, Total	ND	1.0	0.21	1	2426		
1,4-Difluorobenzene (S)	97.6 %	70-130		1	2426		
4-Bromofluorobenzene (S)	97.1 %	70-130		1	2426		
Preservation pH	<2			1	2426		

#### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	3W-846 8015B GRO Gas	Analytical Batches:			
	Batch: 2428 SW-846 801	5B GRO Gas on 0	2/02/2011 0	8:22 by NNM	
the standard strong					
	Results				Batch Information
Parameters	mg/la Qual	Report Limit	MDL	DF Reg	Lmt Prep Analysis
Gasoline Range Organics	ND	0.10	0.017	1	2428
1,4-Difluorobenzene (S)	98.3 %	60-155		1	2428
4-Bromofluorobenzene (S)	98.7 %	50-158		1	2428

### SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846(8015B DRO	Preparation Batches:					
	Batch: 2650 SW-846 35	IOC on 01/28/2011	15:03 by M	B2		
	Analytical Batches:				and the second	
	Batch: 2326 :SW-846 80	I5B DRO on 02/01	/2011 18:37	by NDW		
	Results				Batch Info	200-1017/4/2019 124-1-19
Parameters 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	mg/I Qual	Report Limit	MDL	DF Re	gLmt Prep /	Analysis
Diesel Range Organics (DRO)	ND	0.21	0.021	1	2650	2326
n-Pentacosane (S)	82.9 %	20-154		1 .	2650	2326

### **WET CHEMISTRY**

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID: H11010414018

Date/Time Received: 1/27/2011 09:10

Water

Matrix:

Sample ID: SVE-10

Date/Time Collected: 1/26/2011 11:10

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1628 EPA 300 0 on 01/31/2011 20:37 by ESK

Results Batch information 
Parameters mg/l Qual Report Limit MDL DF RegLint Prep Analysis

Chloride 240 10.0 2.52 20 1628

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414019

Date/Time Received: 1/27/2011 09:10

Matrix: Water

Sample ID: MW-6

Date/Time Collected: 1/26/2011 11:22

VO	LATI	LES

Analysis Desc. SW-846 8021B	SW-846 5030Analytical				
	Batch: 2434 SW-846 80	021B on 02/03/2011	20:51 by N	NM.	
	Results	1 4 44			Batch Information
Parameters	ug/j Qual.	Report Limit	MDL	DF RegLmt	Prep Analysis
Benzene	27	1.0	0.32	1	2434
Ethylbenzene	130	1.0	0.22	1	2434
Toluene	2.5	1.0	0.19	1	2434
m,p-Xylene	7.8	1.0	0.29	1	2434
o-Xylene	1.3	1.0	0.21	1	2434
Xylenes, Total	9.1	1.0	0.21	1	2434
1,4-Difluorobenzene (S)	113 %	70-130		1	2434
4-Bromofluorobenzene (S)	105 %	70-130		1	2434
Preservation pH	<2			1	2434

#### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	: SW-846 8015B GRO Gas	Analytical Batches	H		
	Batch: 2432 . SW-846 801	I5B GRO Gas on	02/03/2011 2	0:51 by NNM	
				and the same of the	
All and the second seco	Results.	4			Batch Information
Parameters)	the same of the sa	Report Limit	MDE:	DF Regi	
			Company of		
Gasoline Range Organics	2.4	0.10	0.017	1	2432
1,4-Difluorobenzene (S)	142 %	60-155		1	2432
4-Bromofluorobenzene (S)	125 %	50-158		1	. 2432

## **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846/8015B DRO	eparation Batch	9 <b>5</b> ?					
Ba	itch: 2650 .SW-	846 35	10C on 01/28/2011	15:03 by N	/B2		
An	ialytical Batches						
Ba	itch: 2326 / SW-	846 80	15B DRO on 02/01/	2011 19:1	8 by NDW		
	Results					Batch Info	NOT CONTRACT OF THE SECOND SEC
Parameters	mg/l	Qual	Report Limit	MDL	DF Re	gĽmt Prep A	nalysis:
Diesel Range Organics (DRO)	12		4.2	0.43	20	2650	2326
n-Pentacosane (S)	0 %	D*	20-154		20	2650	2326

#### **WET CHEMISTRY**

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414019

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: MW-6

Date/Time Collected: 1/26/2011 11:22

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1628 EPA 300.0 on 01/31/2011 20:53 by ESK

Results

Batch Information Prep Analysis DF: RegLmt

**Parameters** Chloride

85.4

mg/l Qual

5.00

...Report Limit⊴

1.26

MDL

10

1628

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414020

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: Dup#2

Date/Time Collected: 1/26/2011 00:00

1/	$\sim$	.AT	11	<b>E</b> 0
v	IJι	A1	IL	E3

Analysis Desc. SW-846 80218	SW-846 5030Analytical b	Batches:			
	Batch: 2434/ SW-846 80	021B on 02/04/2011	00:05 by N	NM at a	
	The Company of the Co				
	Results				Batch Information
Parameters (1)	ug/( Qual	Report Limit	MDL:	DF Re	gLmt∷ ≛Prep≢ Analysis
Benzene	4900	10	3.2	10	2434
Ethylbenzene	. 110	10	2.2	10	2434
Toluene	. ND	10	1.9	10	2434
m,p-Xylene	. 130	10	2.9	10	2434
o-Xylene	ND	10	2.1	10	2434
Xylenes, Total	130	10	2.1	10	2434
1,4-Difluorobenzene (S)	111 %	70-130		10	2434
4-Bromofluorobenzene (S)	98.9 %	70-130		10	2434
Preservation pH	<2			10	2434

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846;80158; GRU Gas	SW-846 8015B GRO/Gas/ Batch: 2432 SW-846 801			00:05.by.NNM	
Parameters	Results mg/l Qual	Report Limit* »	MDL	DF Re	Batch Information gLmt Prep Analysis
Gasoline Range Organics	16	1.0	0.17	10	2432
1,4-Difluorobenzene (S)	108 %	60-155		10	2432
4-Bromofluorobenzene (S)	103 %	50-158		10	2432

## SEMIVOLATILE HYDROCARBONS

Analysis Desc: SW-846 8015B DRO	Preparation Batches:				44	
	Batch: 2650 SW-846 351	0C on 01/28/2011	15:03 by M	B2:		
	Analytical Batches:					
	Batch: 2326 SW-846 801	5B DRO on 02/01/	2011 18:58	by NDW		
		i i				
	Results		ME		Batch Info	the the transmission of the last
Parameters	mg/I Qual	Report Limit	MDL	DF Re	gLmt Prep A	Malysis
Diesel Range Organics (DRO)	0.89	- 0.21	0.021	1	2650	2326
n-Pentacosane (S)	82.9 %	20-154		1	2650	2326

### **WET CHEMISTRY**

Report ID: H11010414\_6159

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### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414020

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: Dup#2

Date/Time Collected: 1/26/2011 00:00

Analysis Desc: EPA 300.0 Analytical Batches:

Batch: 1628, EPA 300.0 on 01/31/2011/21:09 by ESK

Results

Batch Information RegLmt Prep Analysis **Parameters** mg/l : Qual Report Limit / MDL DF.

Chloride 186 10.0 2.52 20 1628

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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID: H11010414022 Date/Time Received: 1/27/2011 09:10

Water Matrix:

Sample ID: DUP

Date/Time Collected: 1/25/2011 00:00

V	OL.	ΔΤ	11	FS
		<b>~</b> I	_	

Analysis Desc: SW-846 8021B	SW-846 5030Analytical	Batches:			
The Control of the Co	Batch: 2434 SW-846.8	021B on 02/03/2011	18:33 by NI	NM.	
the state of the s					
	Results	The second second			Batch Information
Parameters of the second secon	garata a ug/It Qual	Report Limit	MDL	⊂ DF. ≒RegLmt.	. Prep. Analysis/
Benzene	1.6	1.0	0.32	1	2434
Ethylbenzene	4.5	1.0	0.22	1	2434
Toluene	ND	1.0	0.19	1	2434
m,p-Xylene	ND	1.0	0.29	1	2434
o-Xylene	ND	1.0	0.21	1	2434
Xylenes, Total	ND	1.0	0.21	1	2434
1,4-Difluorobenzene (S)	99.9 %	70-130		1	2434
4-Bromofluorobenzene (S)	101 %	70-130		1	2434
Preservation pH	<2			1	2434

### **Gasoline Range Organics (GRO)**

Analysis Desc: SW-846 8015B GRO Gas	SW-846 8015B GRO Gai Batch: 2432 (SW-846)80			NNM
Parameters:	Results mg/l Qual	Report\Limit	MDE DF	Batch Information Reg⊔mt Prep Analysis
Gasoline Range Organics	0.19	0.10	0.017 1	2432
1,4-Difluorobenzene (S)	105 %	60-155	1	2432
4-Bromofluorobenzene (S)	102 %	50-158	1	2432

#### **SEMIVOLATILE HYDROCARBONS**

Analysis Desc: SW-846 8015B DRO	Preparation Batches:	and the second				
	Batch: 2650 SW-846 351	IOC on 01/28/2011 1	5:01 by MB2			
	Analytical Batches:					
	Batch: 2326   SW-846 801	5B DRO on 02/01/2	011-19:38 by N	DW:		
		The second of				
	Results				Batch Infor	
Parameters:	mg/l Qual.	Report Limit	MDL 342 D	F Regumt	Prep * A	nalysis:
Diesel Range Organics (DRO)	0.31	0.21	0.021	1	2650	2326
n-Pentacosane (S)	86.5 %	20-154		1	2650	2326

### **WET CHEMISTRY**

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#### **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414022

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: DUP

Analysis Desc. EPA 300.0

Date/Time Collected: 1/25/2011 00:00

Analytical Batches:

Batch: 1628 EPA 300 0 on 01/31/2011/21:25 by ESK

Batch Information MDL DF RegLmt Prep Analysis mg/l Qual Report Limit

217 Chloride 10.0 2.52 20 1628

Report ID: H11010414\_6159



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## **ANALYTICAL RESULTS**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID:

H11010414023

Date/Time Received: 1/27/2011 09:10

Matrix:

Water

Sample ID: Trip Blank 01/17/2011

Date/Time Collected: 1/26/2011 00:00

VOLATILES

VOLATILES					
Analysis Desc: SW-846 8021B	SW-846 5030 Analytical I	Batches:			
	Batch: 2410 SW-846 80	021B on 01/28/2011	15:10 by N	INM	
				4	
	Results				Batch Information
Parameters ***	And the second of the second o	Report Limit	MDI	DF Rea	
	ayı —				
Benzene	ND	1.0	0.32	1	2410
Ethylbenzene	ND	1.0	0.22	1	2410
Toluene	ND	1.0	0.19	1	2410
m,p-Xylene	ND	1.0	0.29	1	2410
o-Xylene	ND	1.0	0.21	1	2410
Xylenes, Total	ND.	1.0	0.21	1	2410
1,4-Difluorobenzene (S)	98 %	70-130		1	2410
4-Bromofluorobenzene (S)	96.9 %	70-130		1	2410
Preservation pH	<2			1	2410

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2409

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

01/28/2011 00:00 by GCV

Associated Lab Samples:

H11010414001

H11010414002

H11010414003 H11010414010

H11010414023

METHOD BLANK: 91704

Analysis Date/Time Analyst:

01/28/2011 13:55 NNM

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)	%	97.6	70-130
4-Bromofluorobenzene (S)	%	95.7	70-130

LABORATORY CONTROL SAMPLE: 91705

Analysis Date/Time Analyst:

01/28/2011 12:59 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	18.3	91.5	70-130	
Ethylbenzene	ug/l	<b>′ 20</b>	18.3	91.5	70-130	
Toluene	ug/l	20	18.2	91.2	70-130	
m,p-Xylene	ug/l	40	36.7	91.7	70-130	
o-Xylene	ug/l	20	18.2	91.2	70-130	
Xylenes, Total	ug/l	60	54.9	91.5	70-130	
1,4-Difluorobenzene (S)	%			98.2	70-130	
4-Bromofluorobenzene (S)	%			97.9	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91706

91707

Original: H11010414010

MS Analysis Date/Time Analyst:

01/28/2011 16:06 NNM

MSD Analysis Date/Time Analyst:

01/28/2011 16:34 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	7.8	20	25.1	25.2	86.8	87.0	66-141	0.1	31
Ethylbenzene	ug/l	ND	20	17.4	17.3	86.0	85.7	52-136	0.3	28
Toluene	ug/l	ND	20	17.4	17.5	86.8	87.6	61-131	0.9	25
m,p-Xylene	ug/l	ND	40	34.2	34.0	85.1	84.7	60-130	0.6	36
o-Xylene	ug/l	ND	20	17.0	16.9	84.9	84.5	64-130	0.5	30
Xylenes, Total	ug/l	ND	60	51.2	50.9	85.3	84.9	60-130	0.5	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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### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91706

91707

Original: H11010414010

MS Analysis Date/Time Analyst:

01/28/2011 16:06 NNM

MSD Analysis Date/Time Analyst:

01/28/2011 16:34 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S)	%	98.1				97.8	97.6	70-130	
4-Bromofluorobenzene (S)	%	96.3				97.6	95.4	70-130	

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: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2417

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

01/28/2011 00:00 by GCV

Associated Lab Samples:

H11010414004

H11010414005

H11010414006 H11010414007 H11010414008

H11010414009

H11010414011

H11010414012

H11010414013

H11010414014

METHOD BLANK: 91813

Analysis Date/Time Analyst:

01/28/2011 23:50 NNM

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	70-130	
4-Bromofluorobenzene (S)	%	97.4	70-130	

LABORATORY CONTROL SAMPLE: 91814

Analysis Date/Time Analyst:

01/29/2011 00:18 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	19.4	97.2	70-130	
Ethylbenzene	ug/l	20	19.4	97.1	70-130	
Toluene	ug/l	20	19.4	97.0	70-130	
m,p-Xylene	ug/l	40	38.7	96.7	70-130	
o-Xylene	ug/l	20	19.5	97.6	70-130	
Xylenes, Total	ug/l	60	58.2	97.0	70-130	
1,4-Difluorobenzene (S)	%			97.9	70-130	
4-Bromofluorobenzene (S)	%			98.9	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91815

91816

Original: H11010414004

MS Analysis Date/Time Analyst:

01/29/2011 01:41 NNM

MSD Analysis Date/Time Analyst:

01/29/2011 02:09 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	18.7	18.4	93.5	92.0	66-141	1.6	31
Ethylbenzene	ug/l	ND	20	18.5	18.2	92.5	91.1	52-136	1.5	28
Toluene	ug/i	ND	20	18.6	18.6	93.1	92.9	61-131	0.2	25
m,p-Xylene	ug/l	ND	40	36.7	36.2	91.8	90.5	60-130	1.5	36
o-Xylene	ug/l	ND	20	18.5	18.2	92.3	91.2	. 64-130	1.3	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: H11010414: East Hobbs Junction

\_

Project Number: 114-6400787

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91815

91816

Original: H11010414004

MS Analysis Date/Time Analyst:

01/29/2011 01:41 NNM

MSD Analysis Date/Time Analyst:

01/29/2011 02:09 NNM

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	55.2	54.4	92.0	90.7	60-130	1.4	36
1,4-Diffuorobenzene (S)	%	98.4				97.6	97.8	70-130		
4-Bromofluorobenzene (S)	%	99.2				98.8	99.6	70-130		•

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: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2419

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

01/28/2011 00:00 by GCV

Associated Lab Samples:

H11010414004

H11010414008

H11010414009

H11010414011

H11010414005 H11010414012 H11010414006 H11010414013

H11010414007 H11010414014

METHOD BLANK: 91818

Analysis Date/Time Analyst:

01/28/2011 23:50 NNM

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ND	0.10	
4-Bromofluorobenzene (S)	%	99.9	50-158	
1,4-Difluorobenzene (S)	%	101	60-155	

LABORATORY CONTROL SAMPLE: 91819

Analysis Date/Time Analyst:

01/29/2011 00:45 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	1.0	100	70-130	
4-Bromofluorobenzene (S)	%			104	50-158	
1,4-Difluorobenzene (S)	%			105	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91820

91821

Original: H11010414004

MS Analysis Date/Time Analyst:

01/29/2011 02:37 NNM

MSD Analysis Date/Time Analyst:

01/29/2011 03:05 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	1.02	0.867	101	85.9	36-160 16.4	36
4-Bromofluorobenzene (S)	%	102				106	105	50-158	
1,4-Difluorobenzene (S)	%	101				103	104	60-155	•

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: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2425

Analysis Method:

SW-846 8021B

H11010387006

QC Batch Method:

SW-846 5030

Preparation:

02/02/2011 00:00 by GCV

Associated Lab Samples:

H11010387002

sparation.

H11010387005

02/02/2011 00:00 by GCV

H11010387007

H11010414015

H11010414018

METHOD BLANK: 92062

Analysis Date/Time Analyst:

02/02/2011 04:16 NNM

H11010387004

				•	• •
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)	%	96.8	70-130		
4-Bromofluorobenzene (S)	%	96.6	70-130	•	•

LABORATORY CONTROL SAMPLE: 92063

Analysis Date/Time Analyst:

02/02/2011 05:11 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	19.2	96.0	70-130	
Ethylbenzene	ug/l	20	19.1	95.6	70-130	
Toluene	ug/l	20	19.4	97.2	70-130	
m,p-Xylene	ug/l	40	38.2	95.5	70-130	
o-Xylene	ug/l	20	19.2	96.0	70-130	
Xylenes, Total	ug/l	. 60	57.4	95.7	70-130	
1,4-Difluorobenzene (S)	%			96.6	70-130	
4-Bromofluorobenzene (S)	%			97.0	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92064

92065

Original: H11010414015

MS Analysis Date/Time Analyst:

02/02/2011 06:05 NNM

MSD Analysis Date/Time Analyst:

02/02/2011 06:33 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	20.2	20.5	101	102	66-141	1.2	31
Ethylbenzene	ug/l	ND	20	19.4	19.7	97.0	98.3	52-136	1.3	28
Toluene	ug/l	ND	20	19.7	19.8	98.6	98.9	61-131	0.3	25
m,p-Xylene	ug/l	ND	40	39.2	39.2	98.0	98.1	60-130	0.1	36
o-Xylene	ug/l	ND	20	19.7	19.6	98.5	98.0	64-130	0.5	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: H11010414: East Hobbs Junction

Project Number: 114-6400787

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92064

92065

Original: H11010414015

MS Analysis Date/Time Analyst:

02/02/2011 06:05 NNM

MSD Analysis Date/Time Analyst:

02/02/2011 06:33 NNM

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	58.9	58.8	98.2	98.1	60-130	0.1	36
1,4-Difluorobenzene (S)	%	99.1				98.5	98.7	70-130		
4-Bromofluorobenzene (S)	%	96				96.9	97.1	70-130		

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: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2427

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

02/02/2011 00:00 by GCV

Associated Lab Samples:

H11010387002 H11010414002 H11010387005

H11010414015

H11010387006 H11010414018 H11010387007

H11010414001

METHOD BLANK: 92066

Analysis Date/Time Analyst:

02/02/2011 04:16 NNM

H11010387004

H11010414003

Parameter	Units		Blank Result Qualifiers	Reporting Limit		
Gasoline Range Organics	mg/l	<u> </u>	ND	0.10		
4-Bromofluorobenzene (S)	%		98.1	50-158	•	
1,4-Difluorobenzene (S)	%	•.	98.3	60-155		

LABORATORY CONTROL SAMPLE: 92067

Analysis Date/Time Analyst:

02/02/2011 04:43 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	0.901	90.1	70-130	
4-Bromofluorobenzene (S)	%			99.7	50-158	
1,4-Difluorobenzene (S)	%			102	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92068

92069

Original: H11010414001

MS Analysis Date/Time Analyst:

02/02/2011 07:28 NNM

MSD Analysis Date/Time Analyst:

02/02/2011 07:55 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	ND	1.0	0.967	0.839	96.7	83.9	36-160	14.2	36
4-Bromofluorobenzene (S)	%	97.3				102	101	50-158		
1,4-Difluorobenzene (S)	%	97.3				103	100	60-155		

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.

Report ID: H11010414\_6159



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### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2431

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

02/03/2011 00:00 by GCV

Associated Lab Samples:

H11010414010

H11010414020

H11010414022

METHOD BLANK: 92328

Analysis Date/Time Analyst:

02/03/2011 16:42 NNM

H11010414019

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)	%	98.8	60-155	

LABORATORY CONTROL SAMPLE: 92329

Analysis Date/Time Analyst:

02/03/2011 17:10 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	1.09	109	70-130	
4-Bromofluorobenzene (S)	%			104	50-158	
1,4-Difluorobenzene (S)	%			105	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92330

92331

Original: H11010414022

MS Analysis Date/Time Analyst:

02/03/2011 19:56 NNM

MSD Analysis Date/Time Analyst:

02/03/2011 20:24 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/l	0.19	1.0	1.0	1.09	81.2	90.1	36-160	8.5	36
4-Bromofluorobenzene (S)	%	102			•	106	105	50-158		
1,4-Difluorobenzene (S)	%	105				104	105	60-155		

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.

Report ID: H11010414\_6159



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#### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2433

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

02/03/2011 00:00 by GCV

Associated Lab Samples:

H11010414016

H11010414017

H11010414019

H11010414020

H11010414022

METHOD BLANK: 92379

Analysis Date/Time Analyst:

02/03/2011 16:42 NNM

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)	%	97.3	70-130	
4-Bromofluorobenzene (S)	%	99.7	70-130	

LABORATORY CONTROL SAMPLE: 92380

Analysis Date/Time Analyst:

02/03/2011 17:37 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	,
Benzene	ug/l	20	19.5	97.7	70-130	
Ethylbenzene	ug/l	20	19.6	97.8	70-130	
Toluene	ug/l	20	19.6	97.9	70-130	
m,p-Xylene	ug/l	40	39.1	97.8	70-130	
o-Xylene	ug/l	20	19.7	98.5	70-130	
Xylenes, Total	ug/l	60	58.8	98.1	70-130	
1,4-Difluorobenzene (S)	%			96.9	70-130	
4-Bromofluorobenzene (S)	%			99.6	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92381

92382

Original: H11010414022

MS Analysis Date/Time Analyst:

02/03/2011 19:00 NNM

MSD Analysis Date/Time Analyst:

02/03/2011 19:28 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	1.6	20	17.8	17.5	81.1	79.6	66-141	1.8	31
Ethylbenzene	ug/l	4.5	20	21.9	22.0	87.0	87.7	52-136	0.6	28
Toluene	ug/l	ND	20	19.3	19.4	95.4	95.9	61-131	0.5	25
m,p-Xylene	ug/l	ND	40	36.3	36.5	89.9	90.5	60-130	0.6	36
o-Xylene	ug/l	ND	20	18.8	18.9	90.9	91.4	64-130	0.6	30
Xylenes, Total	ug/l	ND	60	55.1	55.4	91.9	92.4	60-130	0.6	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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## **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92381

92382

Original: H11010414022

MS Analysis Date/Time Analyst:

02/03/2011 19:00 NNM

MSD Analysis Date/Time Analyst:

02/03/2011 19:28 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit RPD	Max RPD
1,4-Difluorobenzene (S)	%	99.9				99.0	98.7	70-130	
4-Bromofluorobenzene (S)	%	101				101	101	70-130	

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: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2437

Analysis Method:

SW-846 8015B GRO Gas

QC Batch Method:

SW-846 5030

Preparation:

02/07/2011 00:00 by GCV

Associated Lab Samples:

H11010414016

H11010414017

METHOD BLANK: 92396

Analysis Date/Time Analyst:

02/07/2011 13:37 NNM

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Gasoline Range Organics	mg/l	ŅD	0.10	
4-Bromofluorobenzene (S)	%	104	50-158	
1,4-Difluorobenzene (S)	%	98.6	60-155	

LABORATORY CONTROL SAMPLE: 92397

Analysis Date/Time Analyst:

02/07/2011 14:05 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Gasoline Range Organics	mg/l	1.0	1.04	104	70-130	
4-Bromofluorobenzene (S)	%			106	50-158	
1,4-Difluorobenzene (S)	%			104	60-155	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92398

92399

Original: H11010414017

MS Analysis Date/Time Analyst:

02/07/2011 16:52 NNM

MSD Analysis Date/Time Analyst:

02/07/2011 17:20 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	. mg/l	14	50	63.0	62.5	97.3	96.4	36-160	0.7	36
4-Bromofluorobenzene (S)	%	105				106	106	50-158		
1,4-Difluorobenzene (S)	%	99.4				104	104	60-155		

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.

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

GCVW/2439

Analysis Method:

SW-846 8021B

QC Batch Method:

SW-846 5030

Preparation:

02/07/2011 00:00 by GCV

Associated Lab Samples:

H11010414016

H11010414017

METHOD BLANK: 92483

Analysis Date/Time Analyst:

02/07/2011 13:37 NNM

Parameter	Units	Blank Result Qualifiers	Reporting Limit	
Benzene	ug/l	ND .	1.0	
1,4-Difluorobenzene (S)	%	96.5	70-130	
4-Bromofluorobenzene (S)	%	102	70-130	

LABORATORY CONTROL SAMPLE: 92484

Analysis Date/Time Analyst:

02/07/2011 14:33 NNM

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	
Benzene	ug/l	20	18.6	93.1	70-130	
1,4-Difluorobenzene (S)	%			95.9	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:92485

92486

Original: H11020067001

MS Analysis Date/Time Analyst:

02/07/2011 15:29 NNM

MSD Analysis Date/Time Analyst:

02/07/2011 15:57 NNM

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	10000	9150	9110	91.5	91.1	66-141	0.4	31
1,4-Difluorobenzene (S)	%	ND				95.7	96.6	70-130		
4-Bromofluorobenzene (S)	%	ND				99.9	102	70-130		

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.

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

EXTO/2649

Analysis Method:

SW-846 8015B DRO

QC Batch Method:

SW-846 3510C

Preparation:

01/28/2011 13:07 by MB2

Associated Lab Samples:

H11010387001

H11010387003

H11010387004

H11010387005

H11010387006

H11010387007

H11010387002 H11010414001

H11010414002

H11010414006

H11010414007

. H11010414003

H11010414004

H11010414005

METHOD BLANK: 91510

Analysis Date/Time Analyst:

01/31/2011 11:47 NDW

Parameter	Units	Blank Result Qualifiers	Reporting Limit	•
Diesel Range Organics (DRO)	mg/l	ND	0.20	
n-Pentacosane (S)	%	93.5	20-154	

LABORATORY CONTROL SAMPLE & LCSD: 91511

91512

LCS Analysis Date/Time Analyst: 01/31/2011 11:05 NDW

LCSD Analysis Date/Time

01/31/2011 11:26 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD LCS Result % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	
Diesel Range Organics (DRO) n-Pentacosane (S)	mg/l %	1.0	1.02	1.0 102 93.3	100 91.9	21-150 20-154	1.4	40	

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.

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

#### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

EXTO/2650

Analysis Method:

SW-846 8015B DRO

QC Batch Method:

SW-846 3510C

Preparation:

01/28/2011 15:00 by MB2

H11010414013

Associated Lab Samples:

H11010414008

H11010414009

H11010414010 H11010414016

H11010414011 H11010414017

H11010414012 H11010414018 H11010414019

H11010414014 H11010414020 H11010414015 H11010414022

METHOD BLANK: 91539

Analysis Date/Time Analyst:

02/01/2011 13:16 NDW

Blank Reporting Parameter Units **Result Qualifiers** Limit Diesel Range Organics (DRO) mg/l ND 0.20 n-Pentacosane (S) % 82.5 20-154

LABORATORY CONTROL SAMPLE & LCSD: 91540

91541

LCS Analysis Date/Time Analyst: 02/01/2011 13:36 NDW LCSD Analysis Date/Time

02/01/2011 13:56 NDW

Parameter	Units	Spike Conc.	LCS Result	LCSD LCS Result % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	,
Diesel Range Organics (DRO)	mg/l	1.0	0.848	0.769 84.8	76.9	21-150	9.8	40	
n-Pentacosane (S)	%			82.3	73.2	20-154			

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.

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

### **QUALITY CONTROL DATA**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

IC/1627

Analysis Method: EPA 300.0

QC Batch Method:

**EPA 300.0** 

Associated Lab Samples:

H11010387001 H11010387007 H11010387002

H11010387003

H11010387004

H11010387005

H11010387006 H11010414005

H11010414006 H11010414012

H11010414001 H11010414007 H11010414013 H11010414002 H11010414008

H11010414003 H11010414004 H11010414010 H11010414009

H11010414011

METHOD BLANK: 91899

Analysis Date/Time Analyst:

01/31/2011 09:51 ESK

Blank

Reporting

Parameter

Units

Result Qualifiers

Limit

Chloride

mg/i

ND

0.500

LABORATORY CONTROL SAMPLE: 91900

Analysis Date/Time Analyst:

01/31/2011 10:07 ESK

Parameter

Units

Spike Conc. LCS

LCS

% Rec

Chloride

mg/l

10

Result 9.346

MSD

Result

125.5

% Rec 93.5

Limits 85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91901

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91903

91902

Original: H11010387002

MS Analysis Date/Time Analyst:

01/31/2011 11:28 ESK

MSD Analysis Date/Time Analyst:

01/31/2011 11:44 ESK

Parameter Chloride

Original Spike Units Result Conc. mg/l 74.5 50

134.3 91904

194.4

Result

MS

Original: H11010414004

MS Analysis Date/Time Analyst:

01/31/2011 14:58 ESK

MSD Analysis Date/Time Analyst:

01/31/2011 15:14 ESK

132

Parameter Chloride

Units

mg/l

Original Spike Result Conc.

50

MS MSD Result Result

194.2

MS % Rec

125 1

MS

120

% Rec

MSD % Rec 124

MSD

102

% Rec

% Rec Limit RPD

0.1

80-120

% Rec

80-120

Limit

RPD

6.8

RPD 20

Max

Max

RPD

20

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: H11010414: East Hobbs Junction

Project Number: 114-6400787

QC Batch:

IC/1628

Analysis Method: EPA 300.0

QC Batch Method:

**EPA 300.0** 

Associated Lab Samples: H11010414014

H11010414015 H11010414022

H11010414016

H11010414017

H11010414018

H11010414019

METHOD BLANK: 91905

Analysis Date/Time Analyst:

01/31/2011 18:28 ESK

Blank

Reporting

Parameter

Units

H11010414020

Result Qualifiers

Limit

Chloride

mg/l

ND

0.500

LABORATORY CONTROL SAMPLE: 91906

Analysis Date/Time Analyst:

01/31/2011 18:44 ESK

Spike

LCS

LCS

% Rec

Parameter

Units

Conc.

Result

% Rec

Limits

Chloride

mg/l

10

9.438

94.4

85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:91907

91908

Original: H11010414022

MS Analysis Date/Time Analyst:

01/31/2011 21:41 ESK

MSD Analysis Date/Time Analyst:

01/31/2011 21:57 ESK

Parameter

Spike

Original

MS Result

MSD Result

MS % Rec

MSD % Rec % Rec

Max RPD

Units Result Conc. RPD Limit 217 Chloride 100 339.7 336.2 123 \* 119 80-120 1.0 20 mg/l

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 MDI...

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# Legend

# (S) - Indicates analyte is a surrogate

Qualifier Description	
Recovery/RPD value outside QC limits	
DCS Concentration	
Analyte detected in the Method Blank	
MTBE results were not confirmed by GCMS	
Recovery out of range due to dilution	
Results exceed calibration range	
Exceeds holding time	
Estimated value, between MDL and PQL (Florida)	
Estimated value	
The analysis indicates the presence of an analyte	
Matrix Interference	
Recovery outside of control limits	
Not Calculable (Sample Duplicate)	
Not Calculated - Sample concentration > 4 times the spike	
Not Detected at reporting Limits	
Pesticide dual column results, greater then 25%	
Received past holding time	
Too numerous to count	
Not Detected at reporting Limits	
	Recovery/RPD value outside QC limits  DCS Concentration  Analyte detected in the Method Blank  MTBE results were not confirmed by GCMS  Recovery out of range due to dilution  Results exceed calibration range  Exceeds holding time  Estimated value, between MDL and PQL (Florida)  Estimated value  The analysis indicates the presence of an analyte  Matrix Interference  Recovery outside of control limits  Not Calculable (Sample Duplicate)  Not Calculated - Sample concentration > 4 times the spike  Not Detected at reporting Limits  Pesticide dual column results, greater then 25%  Received past holding time  Too numerous to count

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H11010414001	MW-21	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
H11010414002	MW-16	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
H11010414003	MW-20	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
H11010414004	MW-25	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
H11010414005	MW-24	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
H11010414006	MW-15	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
H11010414007	MW-4	SW-846 3510C	EXTO/2649	SW-846 8015B DRO	GCSV/2321
1144040444000	ama: F	CINI DAC SEADO	EVTOMEEN	CINI DAG DOATED DDO	GCSV/2326
H11010414008	MW-5	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	
H11010414009	MW-26	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414010	MW-27	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	· -
H11010414011	MW-23	SW-846 3510C	EXTO/2650	SW-846 8015B DRO SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414012	MW-22	SW-846 3510C	EXTO/2650 EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414013 H11010414014	MW-13 MW-19	SW-846 3510C SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414014	MW-14	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414016	MW-18	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414017	MW-12	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414018	SVE-10	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326 GCSV/2326
H11010414019	MW-6	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326
H11010414020	Dup#2	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326
H11010414022	DUP	SW-846 3510C	EXTO/2650	SW-846 8015B DRO	GCSV/2326
H11010414001	MW-21	SW-846 5030	GCVW/2409	SW-846 8021B	GCVW/2410
H11010414002	MW-16	SW-846 5030	GCVW/2409	SW-846 8021B	GCVW/2410
H11010414003	MW-20	SW-846 5030	GCVW/2409	SW-846 8021B	GCVW/2410
H11010414010	MW-27	SW-846 5030	GCVW/2409	SW-846 8021B	GCVW/2410
H11010414023	Trip Blank 01/17/2011	SW-846 5030	GCVW/2409	SW-846 8021B	GCVW/2410
H11010414004	MW-25	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414005	MW-24	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414006	MW-15	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414007	MW-4	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414008	MW-5	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414009	MW-26	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414011	MW-23	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414012	MW-22	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418

Report ID: H11010414\_6159



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# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H11010414013	MW-13	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414014	MW-19	SW-846 5030	GCVW/2417	SW-846 8021B	GCVW/2418
H11010414004	MW-25	SW-846 8015B GRO Gas	GCVW/2419	SW-846 8015B GRO	GCVW/2420
H11010414005	MW-24	SW-846 8015B GRO Gas	GCVW/2419	Gas SW-846 8015B GRO Gas	GCVW/2420
H11010414006	MW-15	SW-846 8015B GRO Gas	GCVW/2419	SW-846 8015B GRO Gas	GCVW/2420
H11010414007	MW-4	SW-846 8015B GRO Gas	GCVW/2419	SW-846 8015B GRO Gas	GCVW/2420
H11010414008	MW-5	SW-846 8015B GRO Gas	GCVW/2419	SW-846 8015B GRO Gas	GCVW/2420
H11010414009	MW-26	SW-846 8015B GRO Gas	GCVW/2419	SW-846 8015B GRO Gas	GCVW/2420
H11010414011	MW-23	SW-846 8015B GRO Gas	GCVW/2419	SW-846 8015B GRO	GCVW/2420
H11010414012	MW-22	SW-846 8015B GRO Gas	GCVW/2419	Gas SW-846 8015B GRO	GCVW/2420
H11010414013	MW-13	SW-846 8015B GRO Gas	GCVW/2419	Gas SW-846 8015B GRO	GCVW/2420
H11010414014	MW-19	SW-846 8015B GRO Gas	GCVW/2419	Gas SW-846 8015B GRO Gas	GCVW/2420
H11010414001	MW-21	EPA 300.0	IC/1627		
H11010414002	MW-16	EPA 300.0	IC/1627		
H11010414003	MW-20	EPA 300.0	IC/1627		
H11010414004	MW-25	EPA 300.0	IC/1627		
H11010414005	MW-24	EPA 300.0	IC/1627		
H11010414006	MW-15	EPA 300.0	IC/1627		
H11010414007	MW-4	EPA 300.0	IC/1627		
H11010414008	MW-5	EPA 300.0	IC/1627		
H11010414009	MW-26	EPA 300.0	IC/1627		
H11010414010	MW-27	EPA 300.0	IC/1627		
H11010414011	MW-23	EPA 300.0	IC/1627		
H11010414012	MW-22	EPA 300.0	IC/1627		
H11010414013	MW-13	EPA 300.0	IC/1627		
H11010414014	MW-19	EPA 300.0	IC/1628		·
H11010414015	MW-14	EPA 300.0	IC/1628		,
H11010414016	MW-18	EPA 300.0	IC/1628		
H11010414017	MW-12	EPA 300.0	IC/1628		
H11010414018	SVE-10	EPA 300.0	IC/1628		
H11010414019	MW-6	EPA 300.0	IC/1628		

Report ID: H11010414\_6159



Phone: (713) 660-0901 Fax: (713) 660-8975

# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Workorder: H11010414: East Hobbs Junction

Project Number: 114-6400787

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical * Batch
H11010414020	Dup#2	EPA 300.0	IC/1628		
H11010414022	DUP	EPA 300.0	IC/1628		
H11010414015	MW-14	SW-846 5030	GCVW/2425	SW-846 8021B	GCVW/2426
H11010414018	SVE-10	SW-846 5030	GCVW/2425	SW-846 8021B	GCVW/2426
H11010414001	MW-21	SW-846 8015B GRO Gas	GCVW/2427	SW-846 8015B GRO Gas	GCVW/2428
H11010414002	MW-16	SW-846 8015B GRO Gas	GCVW/2427	SW-846 8015B GRO Gas	GCVW/2428
H11010414003	MW-20	SW-846 8015B GRO Gas	GCVW/2427	SW-846 8015B GRO Gas	GCVW/2428
H11010414015	MW-14	SW-846 8015B GRO Gas	GCVW/2427	SW-846 8015B GRO Gas	GCVW/2428
H11010414018	SVE-10	SW-846 8015B GRO Gas	GCVW/2427	SW-846 8015B GRO Gas	GCVW/2428
H11010414010	MW-27	SW-846 8015B GRO Gas	GCVW/2431	SW-846 8015B GRO Gas	GCVW/2432
H11010414019	MW-6	SW-846 8015B GRO Gas	GCVW/2431	SW-846 8015B GRO Gas	GCVW/2432
H11010414020	Dup#2	SW-846 8015B GRO Gas	GCVW/2431	SW-846 8015B GRO Gas	GCVW/2432
H11010414022	DUP	SW-846 8015B GRO Gas	GCVW/2431	SW-846 8015B GRO Gas	GCVW/2432
H11010414016	MW-18	SW-846 5030	GCVW/2433	SW-846 8021B	GCVW/2434
H11010414017	MW-12	SW-846 5030	GCVW/2433	SW-846 8021B	GCVW/2434
H11010414019	MW-6	SW-846 5030	GCVW/2433	SW-846 8021B	GCVW/2434
H11010414020	Dup#2	SW-846 5030	GCVW/2433	SW-846 8021B	GCVW/2434
H11010414022	DUP	SW-846 5030	GCVW/2433	SW-846 8021B	GCVW/2434
H11010414016	MW-18	SW-846 8015B GRO Gas	GCVW/2437	SW-846 8015B GRO Gas	GCVW/2438
H11010414017	MW-12	SW-846 8015B GRO Gas	GCVW/2437	SW-846 8015B GRO Gas	GCVW/2438
H11010414016	MW-18	SW-846 5030	GCVW/2439	SW-846 8021B	GCVW/2440
H11010414017	MW-12	SW-846 5030	GCVW/2439	SW-846 8021B	GCVW/2440

Report ID: H11010414\_6159



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# Sample Receipt Checklist

WorkOrder: H11010414 Received By LOG **Date and Time** 01/27/2011 09:10 Carrier Name: **FEDEXS** Temperature: 3.0/3.0/4.0/4.0/3.5/3.5/2.0/2.0/3.0/3.0/ Chilled By: Water Ice 4.0/4.0°C Shipping container/cooler in good condition? YES 2. Custody seals intact on shipping container/cooler? YES Custody seals intact on sample bottles? **Not Present** Chain of custody present? YES 5. Chain of custody signed when relinquished and received? YES 6. Chain of custody agrees with sample labels? NO 1) Received DUP sample but not listed on chain. Logged in with analysis. Samples in proper container/bottle? YES Samples containers intact? NO 1) Received one liter broken for MW-25 DRO. SPL continued with analysis with extra container. 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? VOA Vials Not Present 13. Water - Preservation checked upon receipt(except VOA\*)? YES \*VOA Preservation Checked After Sample Analysis SPL Representative: Dayna Fisher Contact Date & Time: 01/31/11 10:50

Report ID: H11010414\_6159

Client Name Contacted:

Client Instructions:

**Greg Pope** 

Notified client via email confirmation



Phone: (713) 660-0901 Fax: (713) 660-8975

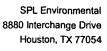
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Phone: (713) 660-0901 Fax: (713) 660-8975

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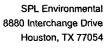
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Phone: (713) 660-0901 Fax: (713) 660-8975

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Phone: (713) 660-0901 Fax: (713) 660-8975

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Phone: (713) 660-0901 Fax: (713) 660-8975

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