

GW-020

GW Annual Monitor Report

DATE:
2009

**ANNUAL GROUNDWATER MONITORING
AND REMEDIATION REPORT
JANUARY THROUGH DECEMBER 2008**

**CONOCOPHILLIPS
MALJAMAR GAS PLANT**

LEA COUNTY, NEW MEXICO

Prepared for:



Prepared By:



TETRA TECH, INC.

1910 N. Big Spring Street
Midland, Texas 79705

October 14, 2009



Thomas (Tom) Wynn
Site Manager
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October 14, 2009

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 GROUNDWATER MONITORING AND
REMEDATION REPORT
JANUARY THROUGH DECEMBER 2008
ConocoPhillips Maljamar Gas Plant – GW-020
Lea County, New Mexico**

Dear Mr. von Gonten:

Please find one copy of the above referenced report for your review and concurrence. This report presents a summary of all site activities performed at the Maljamar Gas Plant from January through December 2008 relating to the remediation and monitoring of groundwater at the site, and presents a proposed path forward for enhancing the remediation of groundwater at the site.

If you have any questions or comments, please contact me at the above listed number or Greg Pope with Tetra Tech, Inc. 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, Inc., Midland, TX
Mr. Jeff Stephens, Southern Ute Indian Tribe Growth Fund, CD Copy only

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**RE: ANNUAL GROUNDWATER MONITORING AND
REMEDATION REPORT
JANUARY THROUGH DECEMBER 2008
ConocoPhillips Maljamar Gas Plant – GW-020
Lea County, New Mexico**

INTRODUCTION

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) is submitting the following annual status report for the Maljamar Gas Plant (Site; previously owned by Conoco and later, Frontier Energy, but now owned by Aka Energy as of June 2004). The gas plant is located in Lea County, New Mexico (Sec 21, T17S, R32E; Figure 1). This report includes a brief review of previous site activities and hydrogeologic conditions, groundwater sampling data collected in May 2008, groundwater extraction data collected from January through December 2008 during operation of the two groundwater extraction wells at the Site, and results of the installation of a skimmer pump in MW-9.

BACKGROUND

During previous investigative and remedial activities at the Maljamar Gas Plant, 12 soil borings were drilled and sampled, 19 groundwater monitoring wells, two (2) groundwater extraction well and two (2) hydrocarbon recovery wells were installed, groundwater samples and water level data were collected, surface and borehole geophysical surveys were performed, an aquifer pump test was conducted, and the groundwater extraction wells were operated. The following is a summary of those activities:

- A subsurface investigation was performed in June 2000 to assess the potential for impacts to the subsurface underlying two bermed areas where condensate was historically stored and a 15 barrel condensate release occurred February 13, 2000. The assessment consisted of drilling, collecting and analyzing soil samples from twelve (12) soil borings. One monitoring well (MW-1) was installed to a depth of 92 feet below ground surface (fbgs). Data collected from this investigation was submitted to the New

Mexico Oil Conservation Commission (NMOCD) in the August 8, 2000 Subsurface Investigation Report.

- Two (2) groundwater monitoring wells (MW-2 and 3) were installed at the site in September 2000.
- A groundwater investigation was initiated in May 2001 to define groundwater impacts at the Maljamar Gas Plant. Five (5) monitoring wells were installed (MW-4, 5, 7, 8 and 9). All wells installed during this investigation exhibited the presence of petroleum hydrocarbons. The results of this investigation were submitted to the NMOCD in the July 20, 2001 Interim Investigation Groundwater Report.
- Four (4) groundwater monitoring wells (MW-10, 11, 12 and 13) were installed in December 2001 and one (1) groundwater monitoring well (MW-14) was installed in March 2002 at the site.
- A groundwater investigation was performed in September 2002 to further delineate the groundwater flow system to the north, northeast, east, southeast, south, and southwest of the Maljamar Gas Plant and refine the conceptual hydrogeologic model of the area around the gas plant. Six groundwater monitoring wells (MW-15, 16, 17, 18, 19, and 20) were installed during this investigation. The water level elevations collected during this investigation indicated that a well-defined groundwater mound with a relatively uniform gradient field emanates radially away from a point source toward the north, east, and south. To the west, groundwater was not encountered during the March 2002 drilling program. The results of this investigation were submitted to the NMOCD in the November 11, 2002 Interim Groundwater Investigation Report.
- Condensate recovery wells SK-1 and SK-2 were installed at the site in March and December 2002, respectively.
- A magnetometer survey was performed in January 2003 to locate suspected abandoned exploration wells in the area over the groundwater mound that underlies the Maljamar Gas Plant. An early proposed hypothesis for the groundwater mounding conditions observed at the site was that the water flood of the MCA production unit underlying the area of concern had found a short-circuit upward through an abandoned well or annulus of an existing production well. However, no short-circuit pathways due to an abandoned well were discovered during this survey.
- A borehole geophysical investigation was initiated in March 2003 to ascertain the subsurface stratigraphy to facilitate free condensate removal and any subsequent groundwater remediation efforts. The study indicated mappable units, exhibiting lateral and vertical correlation properties, were underlying the gas plant.
- An aquifer pump test was performed at the site in September 2003 to gather hydrogeologic data from the uppermost saturated zone, exhibiting both condensate and chloride impacts, in order to develop a remediation plan. The data were also used to develop a water balance for the uppermost aquifer and an interpretive groundwater

flow model to aid in estimating the effects of pumping a proposed well to be sited near wells SK-1 and MW-7.

- A groundwater extraction well (MW-6) was installed in the vicinity of wells SK-1, SK-2 and MW-7 on March 31, 2004. Well operation and control equipment was installed during April and May 2004 and groundwater extraction began on May 10, 2004. Water level measurements were collected weekly from May 17, 2004 until September 8, 2004, and continued monthly thereafter.
- The results of the aquifer pump test and the magnetometer and borehole geophysical surveys were submitted to the NMOCD in the Comprehensive Groundwater Report, dated March 1, 2004 (Maxim, 2004a).
- Results of the installation and initial operation of groundwater extraction well MW-6 were submitted to the NMOCD in the Groundwater Extraction Well Report, dated December 9, 2004 (Maxim, 2004b).
- A Durham Geo F.A.P. Plus pneumatic skimmer pump was installed on December 15, 2005, based on the results of a hydrocarbon recovery pilot test performed at the Site in May 2005 (Maxim, 2005). The skimmer pump is alternated between wells SK-1, SK-2 and MW-7 to remove liquid phase hydrocarbons (LPH) present in these wells.
- A hydrocarbon recovery pilot test was performed at the Site on April 5, 2006. This data was used to evaluate the feasibility of installing a skimmer pump in MW-9 to remove the LPH layer present in this well. Results of the pilot test at MW-9 were reported in the Annual Report dated September 22, 2006 (Tetra Tech, 2006).
- Groundwater extraction well EW-1 was installed adjacent to monitoring well MW-12 between May 14 and June 22, 2007. From July 19 to August 21, 2007, EW-1 was developed, the pump and control equipment were installed, and the discharge flowline was laid. Continuous groundwater extraction at EW-1 began on September 19, 2007. Extracted groundwater from EW-1 is pumped into a flowline connected to MW-6. Installation details for EW-1 are discussed in the 2007 Annual Report dated March 21, 2008 (Tetra Tech, 2008).
- Monitoring well MW-20 surface casing was damaged during the placement of an oil well drilling rig and was not available for sampling during the May 2007 sampling event. The well was rehabilitated on May 15, 2007 and completed at the surface with upright steel security casing and a cement pad.

- On December 21, 2007, wells MW-6, MW-7, MW-12, MW-20, SK-1, SK-2, and EW-1 were surveyed for location coordinates and elevation of top of casing.

Table 1 presents the well construction details for all the monitoring and remediation wells installed at the Site.

SITE HYDROGEOLOGY SUMMARY

A detailed conceptual model of the hydrogeologic conditions existing at the Site is presented in the Comprehensive Groundwater Report (Maxim, 2004a). Previous groundwater investigations and sampling performed at the Site have revealed that groundwater occurs under confining conditions in the vicinity of the Site at approximately 70 to 95 fbs within two sand units ranging in thickness from several feet to no more than 10 to 12 feet thick. At a depth of approximately 72 fbs in the vicinity of wells SK-1 and MW-7, an 11-foot-thick upper water-bearing sandstone layer overlies a 4-foot-thick shale layer, which in turn overlies a lower 13-foot-thick water-bearing sandstone layer. Generally, the overlying deposits consist of approximately 60 feet of light colored sands and sandy silts with occasional caliche interbeds, shale stringers and intermittent gravels representative of the Quaternary age alluvium/bolson fill which are underlain by approximately 30 to 50 feet of green to grayish green to dark green silty shales of the Triassic age Chinle Shale. The Tertiary age Ogallala Formation outcrops in a prominent escarpment (Mescalero Ridge) approximately four miles to the northeast of the Site, where the Ogallala unconformably overlies the Chinle shales. The overlying interbedded shale units presumably confine the groundwater contained in the underlying water-bearing sandstone units. A borehole geophysics investigation conducted at the Site in March 2003 (Maxim, 2004a) indicated that the subsurface stratigraphy is complex, consisting of irregular, interbedded sands, shales and silts deposited on an erosional surface.

Previous groundwater investigations and monitoring events have revealed that the groundwater potentiometric surface in the immediate vicinity of the Site is mounded, with the center of the mound occurring northwest of the Site. In exploration borings completed approximately 1000 feet west, northwest, and southwest of the mound centroid, no sand interval was encountered indicating the mound is truncated toward the west, which is most likely due to a subsurface stratigraphic pinch-out or fault. To the north, south and east of the mound centroid, groundwater occurs under unconfined conditions, demonstrating that further away from the mound recharge zone, confining pressures diminish (Maxim, 2004a).

FIELD METHODOLOGY

Field activities conducted at the Maljamar Gas Plant from January through December 2008 included performing a round of groundwater sampling and analyses in May 2008; operating

groundwater extraction wells MW-6 and EW-1; collecting monthly groundwater level measurements at the Site monitoring wells and periodic water quality data during the operation of extraction well MW-6; and installation and operation of a skimmer pump in MW-9.

Groundwater Monitoring and Sampling

Groundwater samples were collected from the Maljamar Gas Plant monitoring wells on May 6-8, 2008. Prior to sampling, 22 wells were sounded for groundwater levels and affected wells were also measured for LPH thickness. Table 2 presents the groundwater level and LPH thickness measurement data for the Site. Fourteen (14) groundwater monitoring wells, two (2) groundwater extraction wells, and one onsite water well were sampled during this event. Wells exhibiting measurable levels of LPH were not 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 benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Method 8260; semi-volatile organic compounds-polynuclear aromatic hydrocarbons (PAHs) by Method 8270; calcium, magnesium, sodium and potassium by Method 6010B (except for MW-17); bromide, chloride, nitrate and sulfate by Method 300.0A; total dissolved solids (TDS) by Method 160.1; and alkalinity (carbonate, bicarbonate and total) by Method 310.1. Duplicate samples, collected from monitoring well MW-12 and extraction well MW-6, were also submitted to the laboratory for analysis.

Summaries of the laboratory analytical results from the May 2008 groundwater monitoring event are presented in Table 3. The laboratory analytical data is included in Appendix A.

Groundwater Level and Water Quality Data Collection

Monthly groundwater level measurements were recorded from each of the monitoring wells at the Site from January to December 2008. Groundwater depths were measured using an electronic interface probe capable of detecting both the top of the hydrocarbons, if present, and the hydrocarbon/water interface. The probe was cleaned before and after each use in each monitoring well. Groundwater measurements proceeded from the cleanest wells to the wells containing hydrocarbons. At each monitoring well, the water level and hydrocarbon depth, if present, were measured from the top of casing. The depth of groundwater below the top of casing was subtracted from the elevation of the top of casing to give the elevation of the groundwater at each well. The elevation of hydrocarbons was also determined in this manner at the affected wells, and the hydrocarbon thickness was calculated by subtracting the hydrocarbon depth from the groundwater depth. Groundwater and hydrocarbon depth measurements and elevations are summarized in Table 2.

Groundwater quality measurements of the MW-6 discharge water were collected periodically from January to December 2008 using a portable field instrument. Measurement parameters included specific conductivity, salinity, pH and temperature. Table 4 presents the groundwater quality measurement data for MW-6.

Groundwater Extraction and Hydrocarbon Recovery Operations

Groundwater extraction well MW-6 was operated continuously from January through December 2008, except for the period of time between August 19 and October 2, 2008 when the extraction pump was removed and replaced with a new pump. Extracted groundwater was pumped from the well into an onsite 210-barrel (bbl) fluid storage tank. The fluid storage tank is fitted with automated tank gauging and pumping controls and automatically injects the tank contents into MCA Station water flood system. A dedicated flowmeter, installed on the extraction well piping system, gauges the volume of groundwater removed by the extraction well. Since initial startup on May 10, 2004 to December 11, 2008, approximately 964,746 gallons of groundwater have been extracted from MW-6. Table 5a presents a summary of the groundwater extraction well recovery volumes at MW-6.

Groundwater extraction well EW-1 was started for continuous operation on September 17, 2007, and has operated continuously through December 2008. A dedicated flowmeter, installed on the extraction well piping system, gauges the volume of groundwater removed by extraction well EW-1. Extracted groundwater is pumped from the well to a flowline connected with MW-6 and then continues to the onsite 210-bbl fluid storage tank. Since initial startup on September 17, 2007 to December 11, 2008, approximately 43,872 gallons of groundwater have been extracted from EW-1. Table 5b presents a summary of the groundwater extraction well recovery volumes at EW-1.

A Durham Geo F.A.P. Plus pneumatic skimmer pump is moved between wells SK-1, SK-2 and MW-7, depending on the thickness of hydrocarbons present in each of the three wells. Extracted hydrocarbons and minor amounts of groundwater are pumped from the wells into the onsite 210-barrel fluid storage tank via a manifold attached to the groundwater extraction well piping at MW-6. Volumes of fluids removed by the skimmer pump are registered on the extraction well MW-6 flowmeter and are part of the total extraction volume presented in Table 5a.

A Durham Geo F.A.P. Plus pneumatic skimmer pump was installed in monitoring well MW-9 on March 24, 2008, based on the results of a hydrocarbon recovery pilot test performed at the well on April 5, 2006 (Tetra Tech, 2006). The skimmer pump started pumping on March 25, 2008 to remove LPH present in this well. A dedicated flowline was installed from well MW-9 to a manifold attached to the groundwater extraction well piping at MW-6. Extracted

hydrocarbons and minor amounts of groundwater are pumped from the well into the onsite 210-barrel fluid storage tank connected to MW-6. Volumes of fluids removed by the skimmer pump are registered on the extraction well MW-6 flowmeter and are part of the total extraction volume presented in Table 5a.

GROUNDWATER DATA ANALYSIS

The following sections provide a discussion of the groundwater data collected at the Maljamar Gas Plant from January to December 2008.

Groundwater Data Evaluation

Monthly groundwater and hydrocarbon level measurements were collected at the Site from January to December 2008, and are summarized in Table 2. Groundwater potentiometric surface maps for August and November 2007, and February and May 2008 are included as Figures 2a, 2b, 2c, and 2d, respectively. These potentiometric data show little variation in the mound geometry during this time period with groundwater elevations ranging from approximately 3,933 feet above mean sea level (famsl) in the mound centroid (MW-14) to approximately 3,893 famsl in MW-18, located south of the Site. The hydraulic gradient at the Site was calculated from this data set to be between 0.01024 and 0.01070 feet per foot, and the hydraulic gradient is shown to decrease radially from the approximate center of the mound in all directions except to the west.

Hydrocarbon thickness isopleth maps for August and November 2007, and February and May 2008 are included as Figures 3a, 3b, 3c, and 3d, respectively. As shown on the figures, the hydrocarbon thickness in the affected wells has remained fairly constant.

Groundwater Quality Evaluation

Groundwater analytical results are presented in Table 3, and a figure depicting the groundwater analytical results for the May 2008 sampling event is included as Figure 4. The laboratory analytical data is included in Appendix A.

The May 2008 groundwater samples reported detectable concentrations of organic compounds in five (5) of the wells sampled (Table 3; Figure 4). Wells MW-2, MW-4, MW-5, and MW-6 reported the only concentrations of organic constituents above WQCC standards with benzene reported at 49.0, 0.10, 0.088 and 12.0 mg/L, respectively.

Inorganic constituents were reported above WQCC standards in 14 of the 17 wells sampled (Table 3). Well MW-12 reported the highest concentrations of inorganic constituents with

48,600 mg/L of chloride, 1,600 mg/L of sulfate, and 88,500 mg/L of TDS. Extraction well EW-1 reported concentrations of inorganic constituents comparable to MW-12 with 41,500 mg/L of chloride, 1,150 mg/L of sulfate, and 77,200 mg/L of TDS. This well is located adjacent to MW-12. Chloride concentration isopleths for the May 2008 groundwater data are shown on Figure 5. Alkalinity analysis reported that only bicarbonate alkalinity is present in the site groundwater. Considering the general minerals content of wells outside the area of elevated chloride concentrations, the groundwater is generally calcium bicarbonate in nature.

Groundwater quality parameters for specific conductivity, pH, salinity and temperature collected of the discharge water from extraction well MW-6 are summarized in Table 4. Recent measurements indicate near neutral saline water with a pH of 6.89 to 7.10 and a specific conductivity of approximately 2.34 to 15.49 milliSiemens per centimeter are present in this well.

PROPOSED PATH FORWARD

Based on the data, results and evaluations presented in this report, Tetra Tech proposes the following path forward tasks:

- Continue operation of groundwater extraction wells MW-6 and EW-1, and periodically collect groundwater quality and extraction volume data from the wells. The maintenance of the pump systems, monitoring of the storage tank levels, and transfer and disposal of fluids will continue to be coordinated through ConocoPhillips' MCA Business Unit.
- Continue to evaluate the effectiveness of EW-1 at reducing the chloride concentrations in the vicinity of MW-12, and determine if additional extraction wells are necessary in this area of the Site to achieve this purpose.
- Continue to collect monthly groundwater level and hydrocarbon thickness data from the Site monitoring wells.
- Continue annual groundwater monitoring and sampling of the Site monitoring wells. Groundwater samples will be collected and submitted to an analytical laboratory for analyses of volatile organic compounds, semi-volatile organic compounds, major ions, total dissolved solids, and chloride. The next annual groundwater monitoring and sampling event is scheduled for May 2009.
- Continue skimmer pumping operations at SK-1, SK-2, MW-7 and MW-9 to remove LPH present in these wells. A skimmer pump will continue to be moved between wells SK-1, SK-2 and MW-7, depending on the thickness of hydrocarbons present in each of the three wells. The skimmer pump in MW-9 is dedicated to this well.

REFERENCES

Maxim Technologies (2004a) report entitled "Comprehensive Groundwater Report, Maljamar Gas Plant, Maljamar, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated March 1, 2004.

Maxim Technologies (2004b) report entitled "Groundwater Extraction Well Report, Maljamar Gas Plant, Maljamar, New Mexico" to Mr. Neal Goates, ConocoPhillips, dated October 22, 2004.

Maxim Technologies (2005) report entitled "Annual Groundwater Monitoring and Remediation Report, October 2004 Through July 2005, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated August 23, 2005.

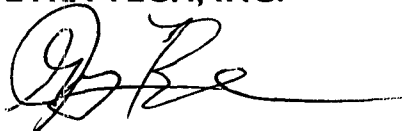
Tetra Tech (2006) report entitled "Annual Groundwater Monitoring and Remediation Report, August 2005 Through August 2006, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated September 22, 2006.

Tetra Tech (2008) report entitled "Annual Groundwater Monitoring and Remediation Report, August 2006 Through December 2007, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated March 21, 2008.

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

Sincerely,

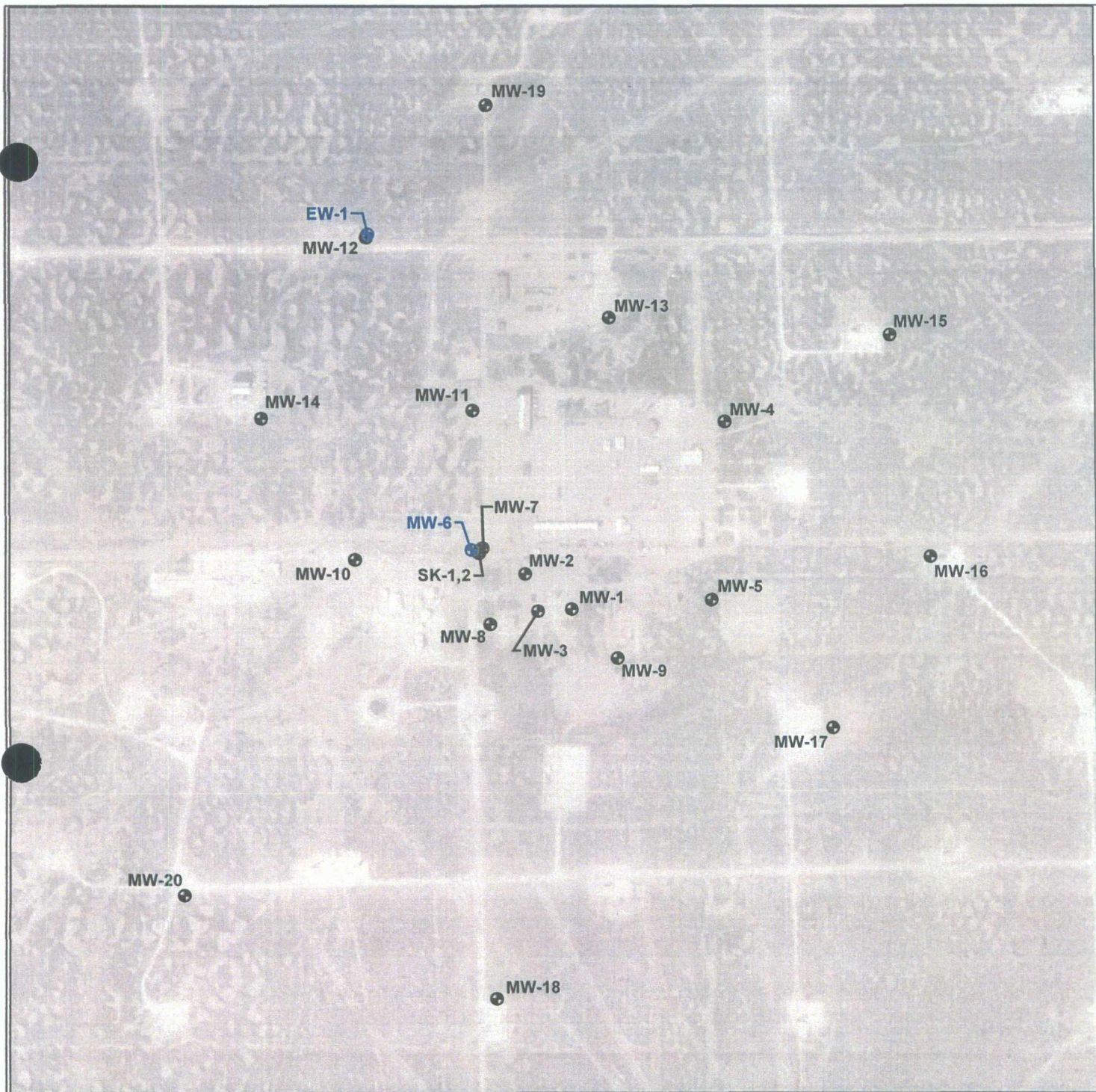
TETRA TECH, INC.



Greg W. Pope, P.G.
Project Manager

FIGURES

- Figure 1** **Monitoring and Extraction Well Locations**
- Figure 2a** **Groundwater Elevation Contour Map – August 21, 2007**
- Figure 2b** **Groundwater Elevation Contour Map – November 20, 2007**
- Figure 2c** **Groundwater Elevation Contour Map – February 27, 2008**
- Figure 2d** **Groundwater Elevation Contour Map – May 5, 2008**
- Figure 3a** **Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – August 21, 2007**
- Figure 3b** **Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – November 20, 2007**
- Figure 3c** **Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – February 27, 2008**
- Figure 3d** **Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – May 5, 2008**
- Figure 4** **Summary of Groundwater Analytical Results – May 6-8, 2008**
- Figure 5** **Chloride Concentration Isopleth Map – May 2008**



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

- MW-18
● Monitoring Well Location
- EW-1
● Extraction Well Location

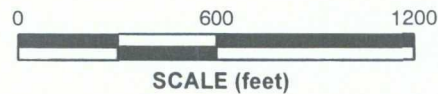


FIGURE
1

MONITORING AND EXTRACTION
WELL LOCATIONS

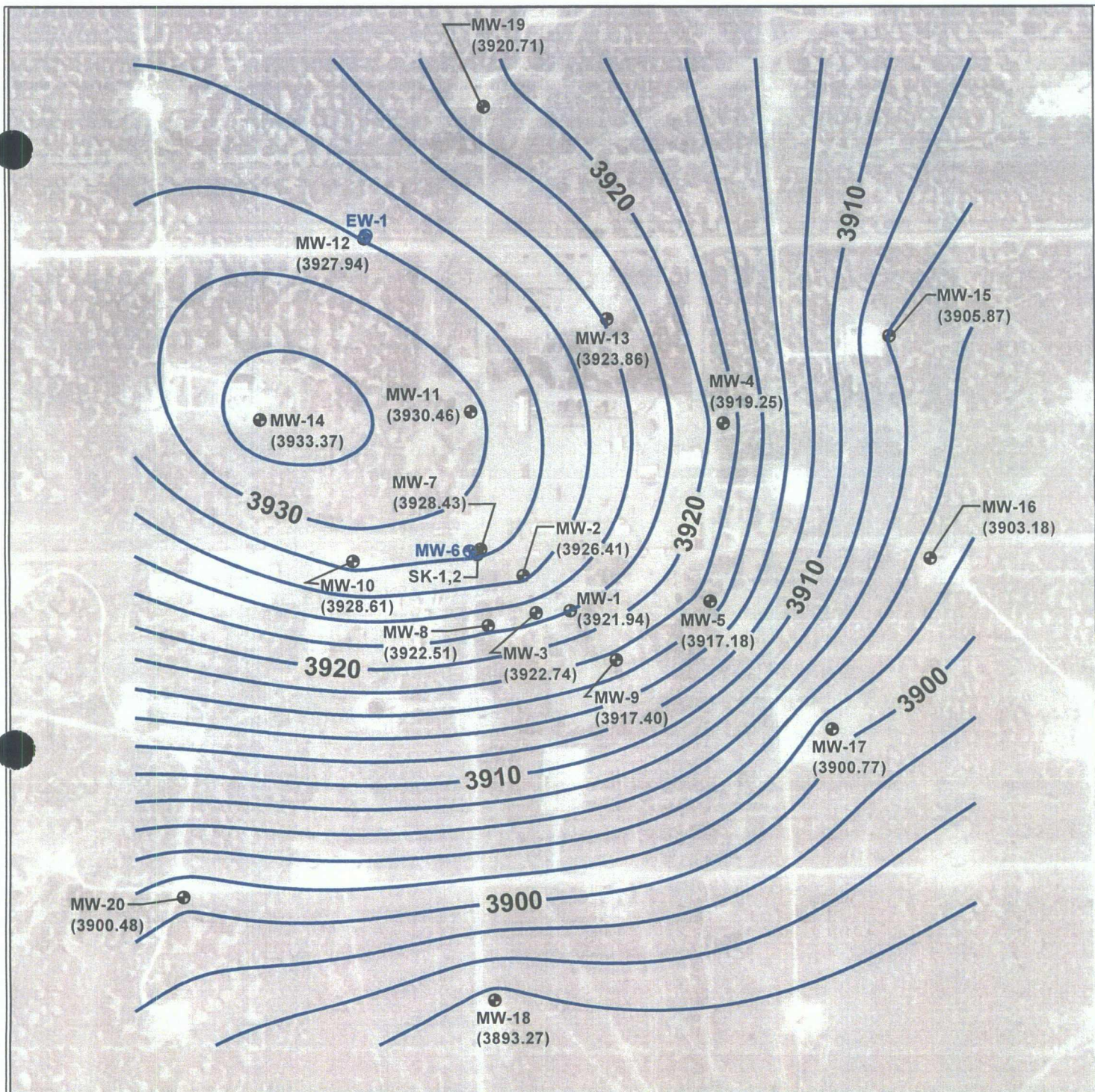
ConocoPhillips

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MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 05/01/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18



Monitoring Well Location

EW-1



Extraction Well Location

(3921.94)

Groundwater Elevation
feet above mean sea level

3920

Groundwater Elevation Contour
contour interval = 2 feet

0 600 1200

SCALE (feet)



FIGURE
2a

GROUNDWATER ELEVATION
CONTOUR MAP
AUGUST 21, 2007

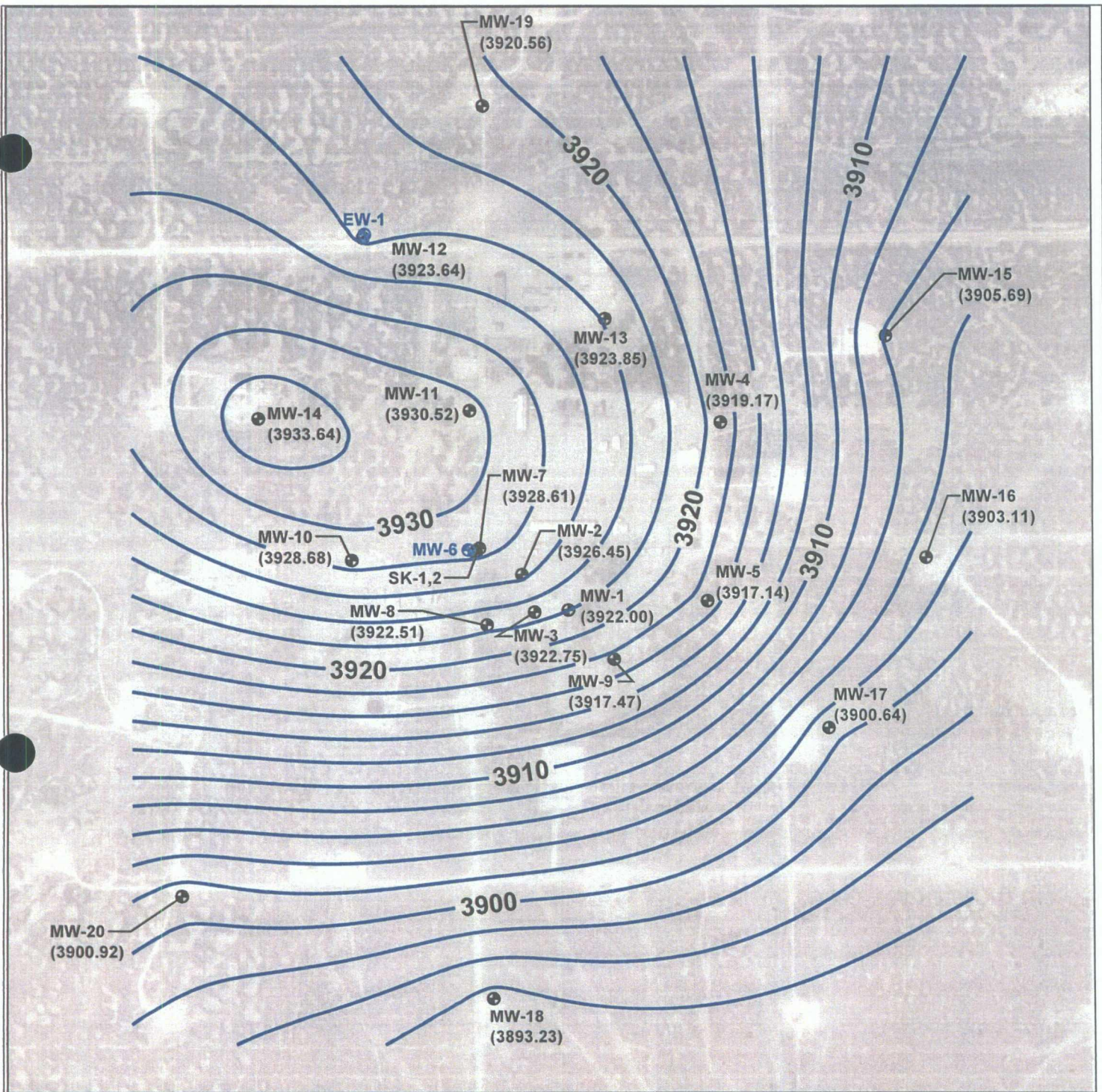
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Tt TETRA TECH, INC.

MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
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DRAWING DATE: 07/24/09

ACAD File: Maljamar.Site Base Map 2008.dwg



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LEGEND

MW-18



Monitoring Well Location

EW-1



Extraction Well Location

(3922.51)

Groundwater Elevation
feet above mean sea level

3920

Groundwater Elevation Contour
contour interval = 2 feet

0 600 1200

SCALE (feet)



FIGURE
2b

GROUNDWATER ELEVATION
CONTOUR MAP
NOVEMBER 20, 2007

ConocoPhillips

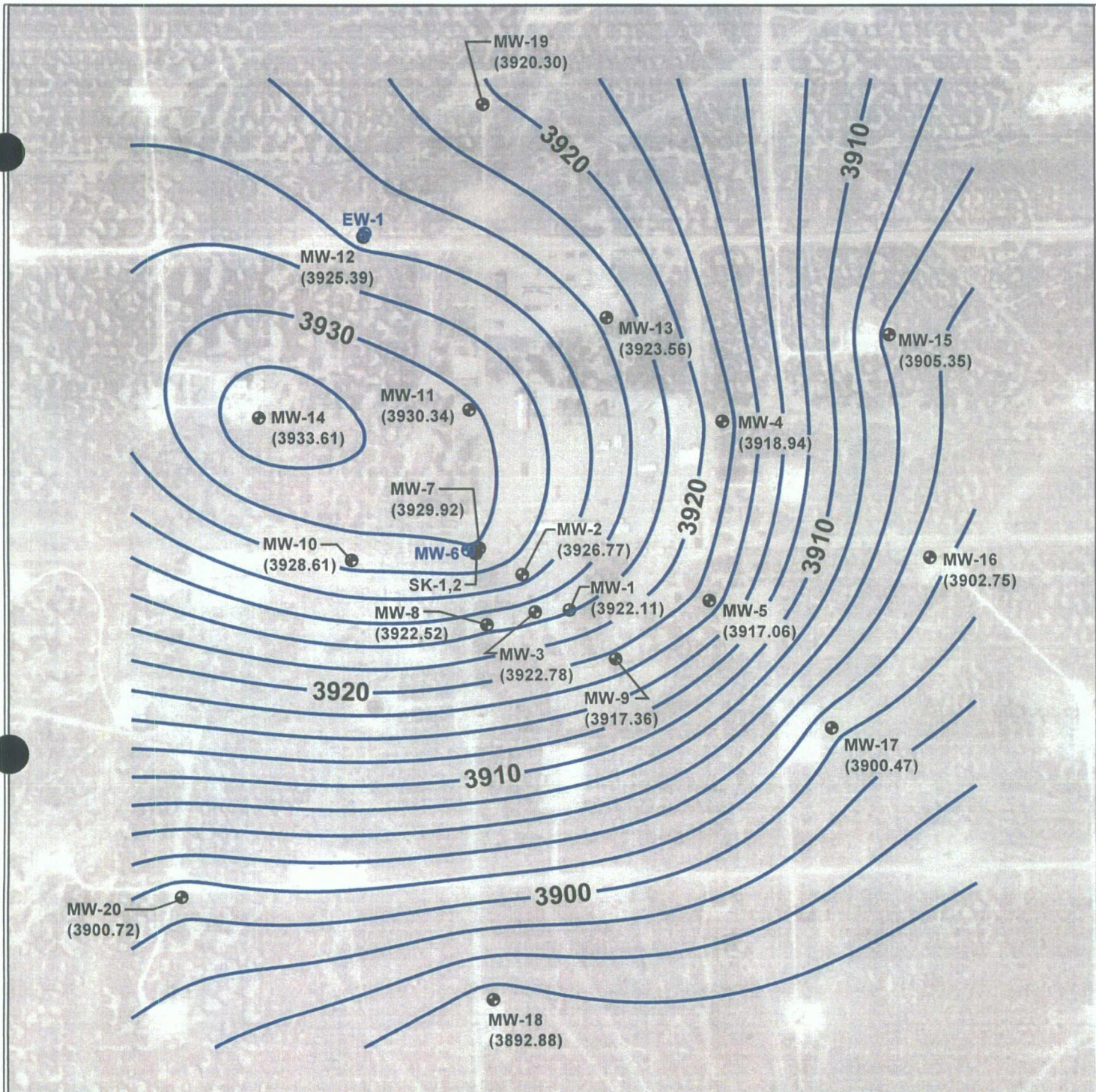


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Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
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DRAWING DATE: 07/27/09

ACAD File: Maljamar.Site Base Map 2008.dwg



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LEGEND

MW-18
●

Monitoring Well Location

MW-6
●

Extraction Well Location

(3922.52)

Groundwater Elevation
feet above mean sea level

3920

Groundwater Elevation Contour
contour interval = 2 feet

0 600 1200

SCALE (feet)



FIGURE
2c

GROUNDWATER ELEVATION
CONTOUR MAP
FEBRUARY 27, 2008

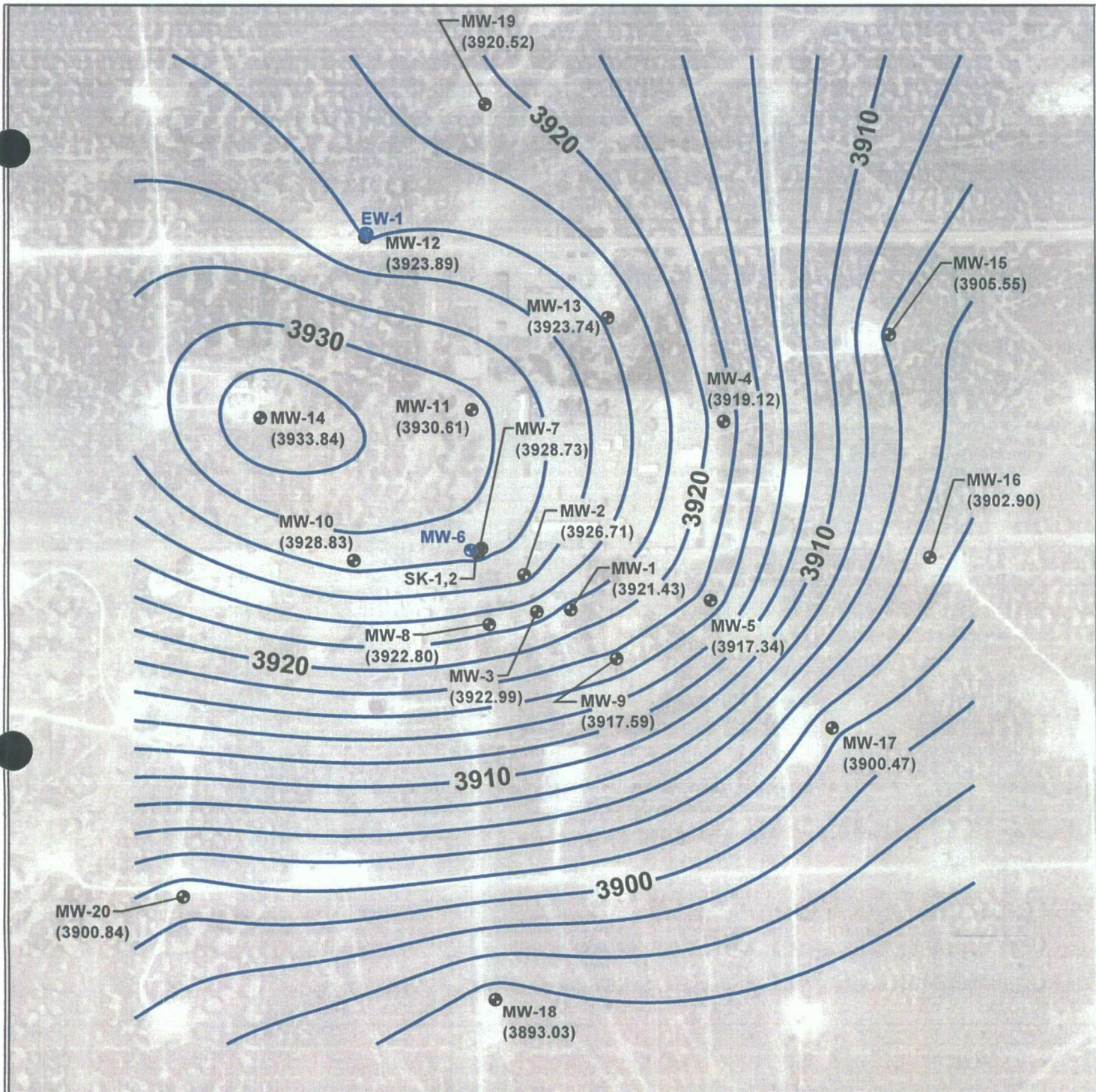
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MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

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DRAWING DATE: 07/27/09

ACAD File: Maljamar Site Base Map 2008.dwg



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LEGEND

MW-18



Monitoring Well Location

EW-1



Extraction Well Location

(3922.80)

Groundwater Elevation
feet above mean sea level

3920

Groundwater Elevation Contour
contour interval = 2 feet

0 600 1200

SCALE (feet)



FIGURE
2d

GROUNDWATER ELEVATION
CONTOUR MAP
MAY 5, 2008

ConocoPhillips

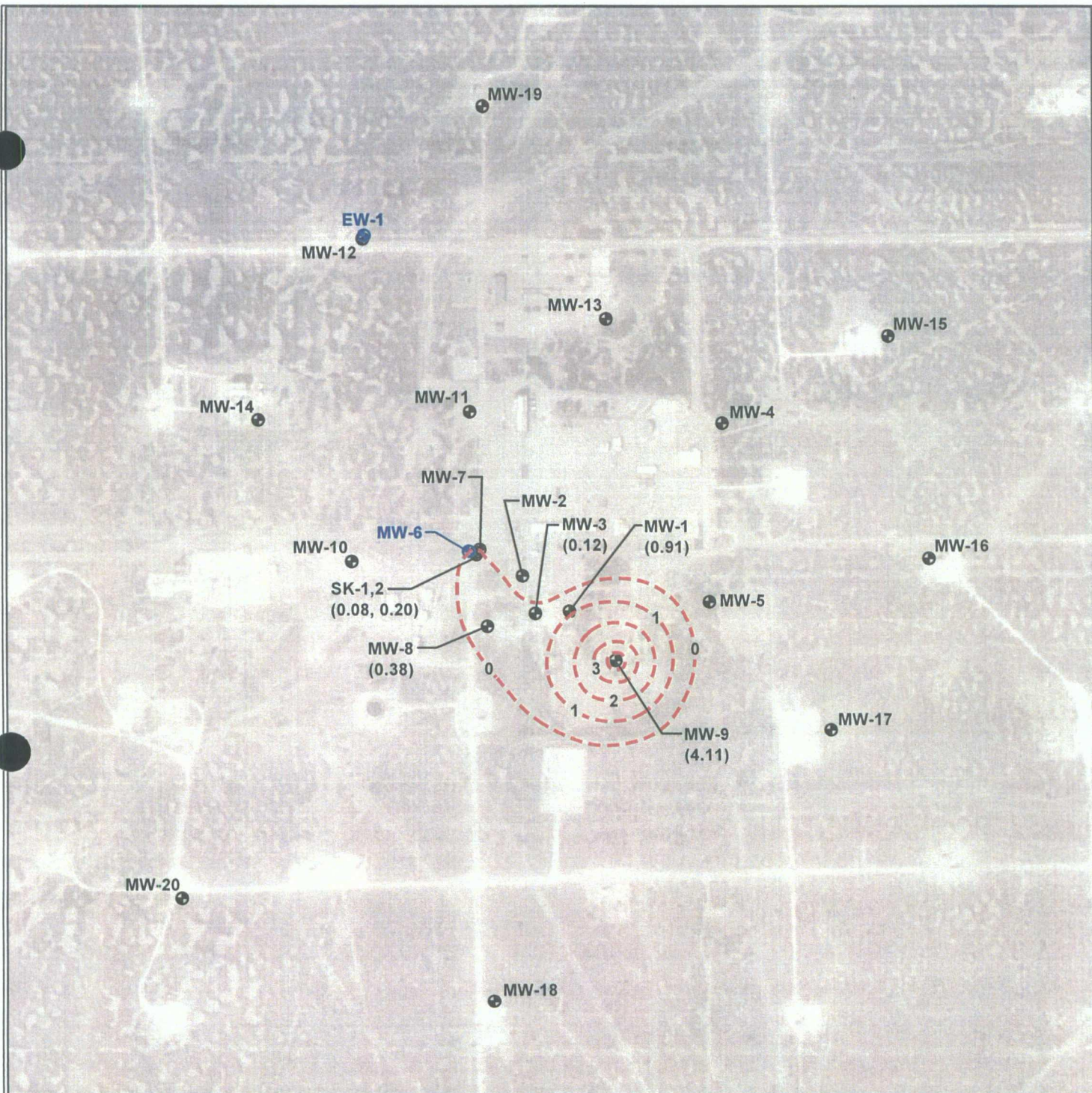


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MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 07/29/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

- MW-18
● Monitoring Well Location
- EW-1
● Extraction Well Location
- (4.11) LPH Thickness (feet)
- - - 3 - - - LPH Thickness Contour

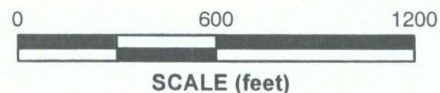


FIGURE
3a

LIQUID PHASE HYDROCARBON
(LPH) THICKNESS CONTOUR MAP
August 21, 2007

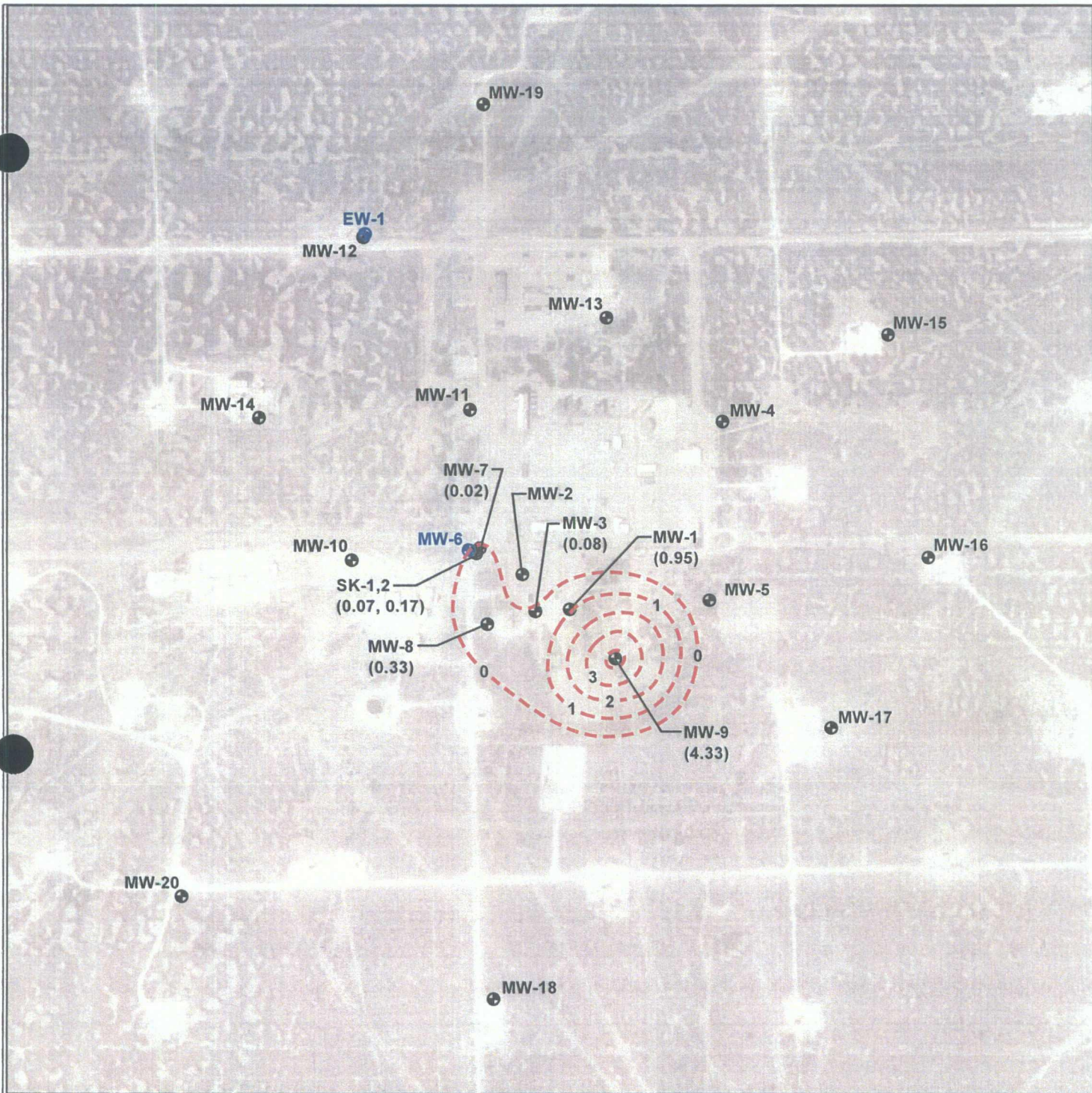
ConocoPhillips



MALJAMAR GAS PLANT
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Sec 21 T17S R32E

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DRAWING BY: GWP
DRAWING DATE: 07/29/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18
 Monitoring Well Location

EW-1
 Extraction Well Location

(4.33) LPH Thickness (feet)

 LPH Thickness Contour

0 600 1200

SCALE (feet)



**FIGURE
3b**

**LIQUID PHASE HYDROCARBON
(LPH) THICKNESS CONTOUR MAP**
November 20, 2007

ConocoPhillips

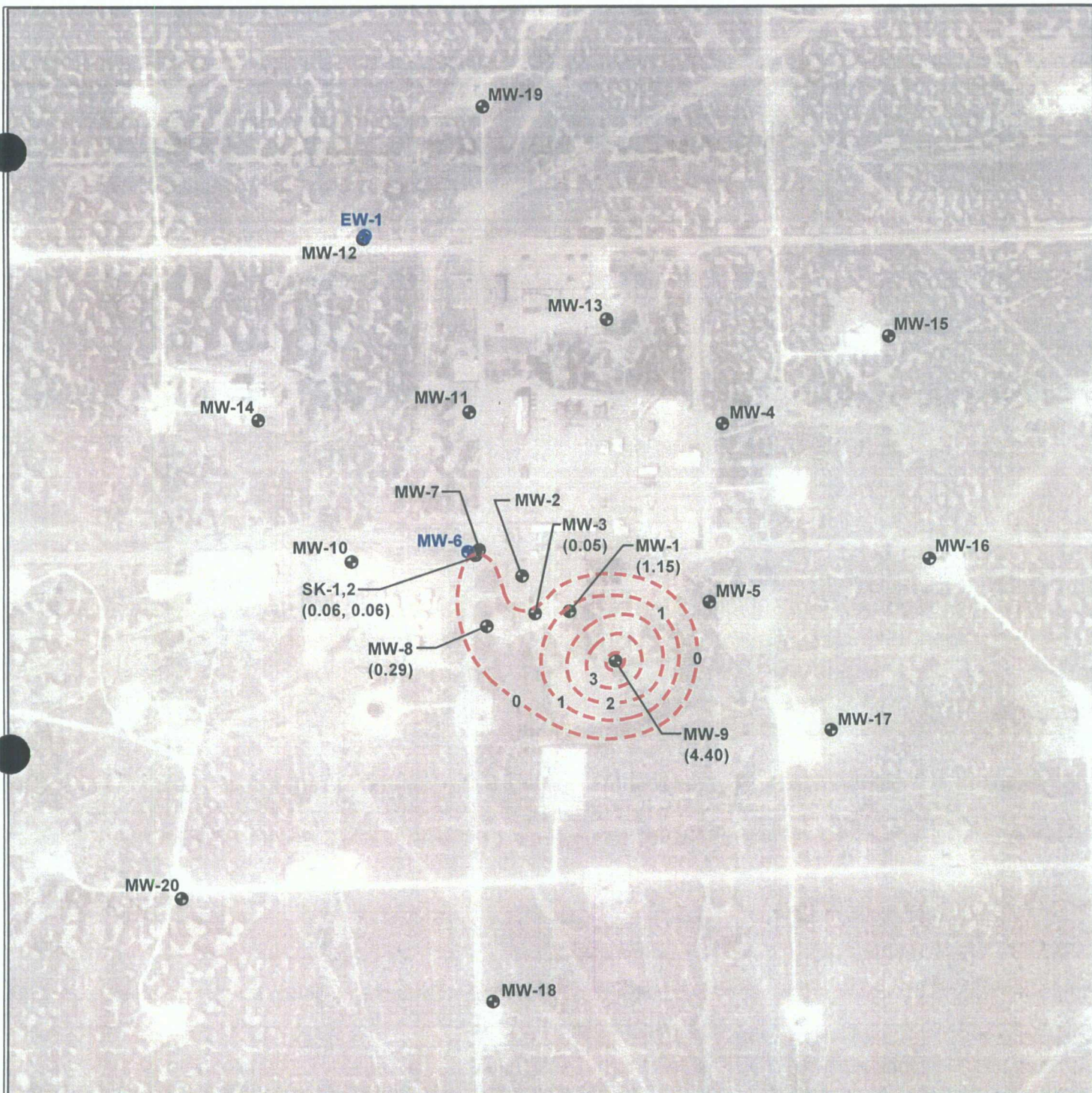


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PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 07/29/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

- MW-18
Monitoring Well Location
- EW-1
Extraction Well Location
- (4.40)
LPH Thickness (feet)
- 3
LPH Thickness Contour

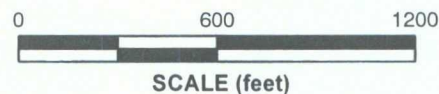


FIGURE
3c

LIQUID PHASE HYDROCARBON
(LPH) THICKNESS CONTOUR MAP
February 27, 2008

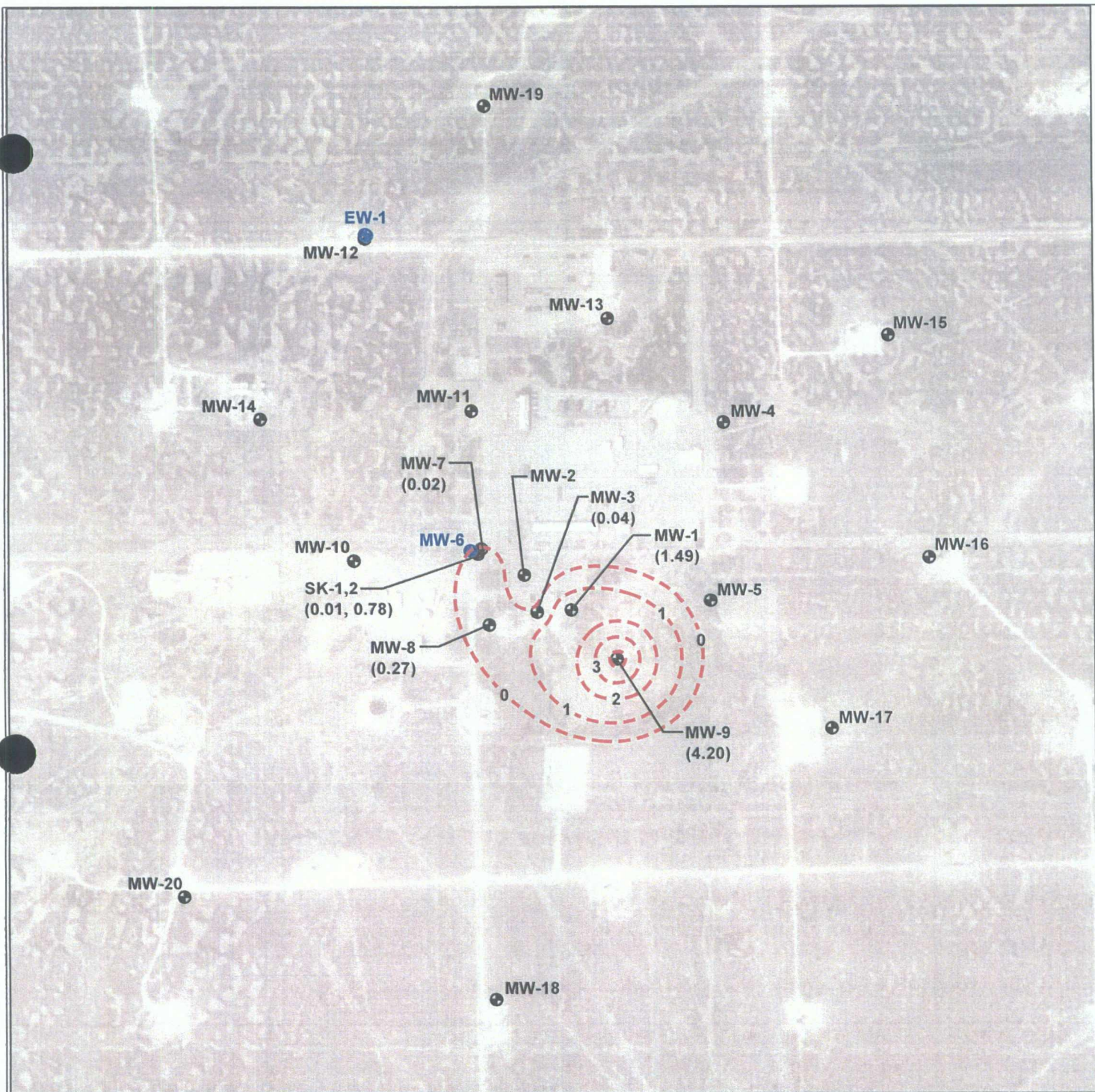
ConocoPhillips

Tt TETRA TECH, INC.

MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 07/29/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

-  **MW-18**
Monitoring Well Location
-  **EW-1**
Extraction Well Location
- (4.20)**
LPH Thickness (feet)
-  **3**
LPH Thickness Contour

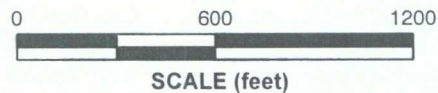


FIGURE 3d

LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP
MAY 5, 2008

ConocoPhillips



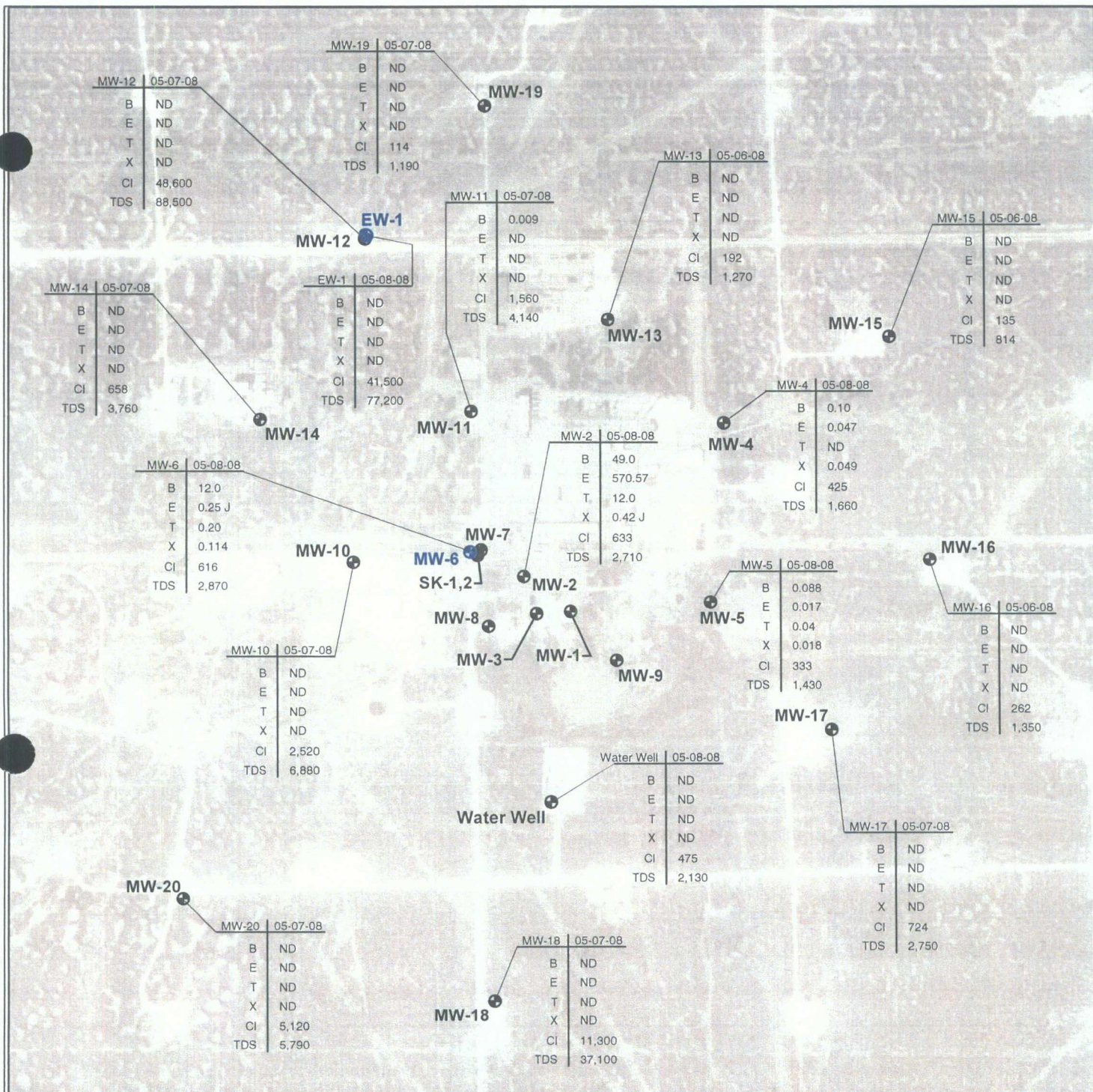
TETRA TECH, INC.

MALJAMAR GAS PLANT

Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 07/29/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18



Monitoring Well Location

EW-1



Extraction Well Location

ANALYTICAL DATA

Well Number	Sample Date
B	Benzene
E	Ethylbenzene
T	Toluene
X	Xylenes (Total)
Cl	Chloride
TDS	Total Dissolved Solids

Results in milligrams per liter

ND = Not detected at or above laboratory reporting limits

0 600 1200



SCALE (feet)



FIGURE
4

SUMMARY OF GROUNDWATER
ANALYTICAL RESULTS
MAY 6-8, 2008

ConocoPhillips

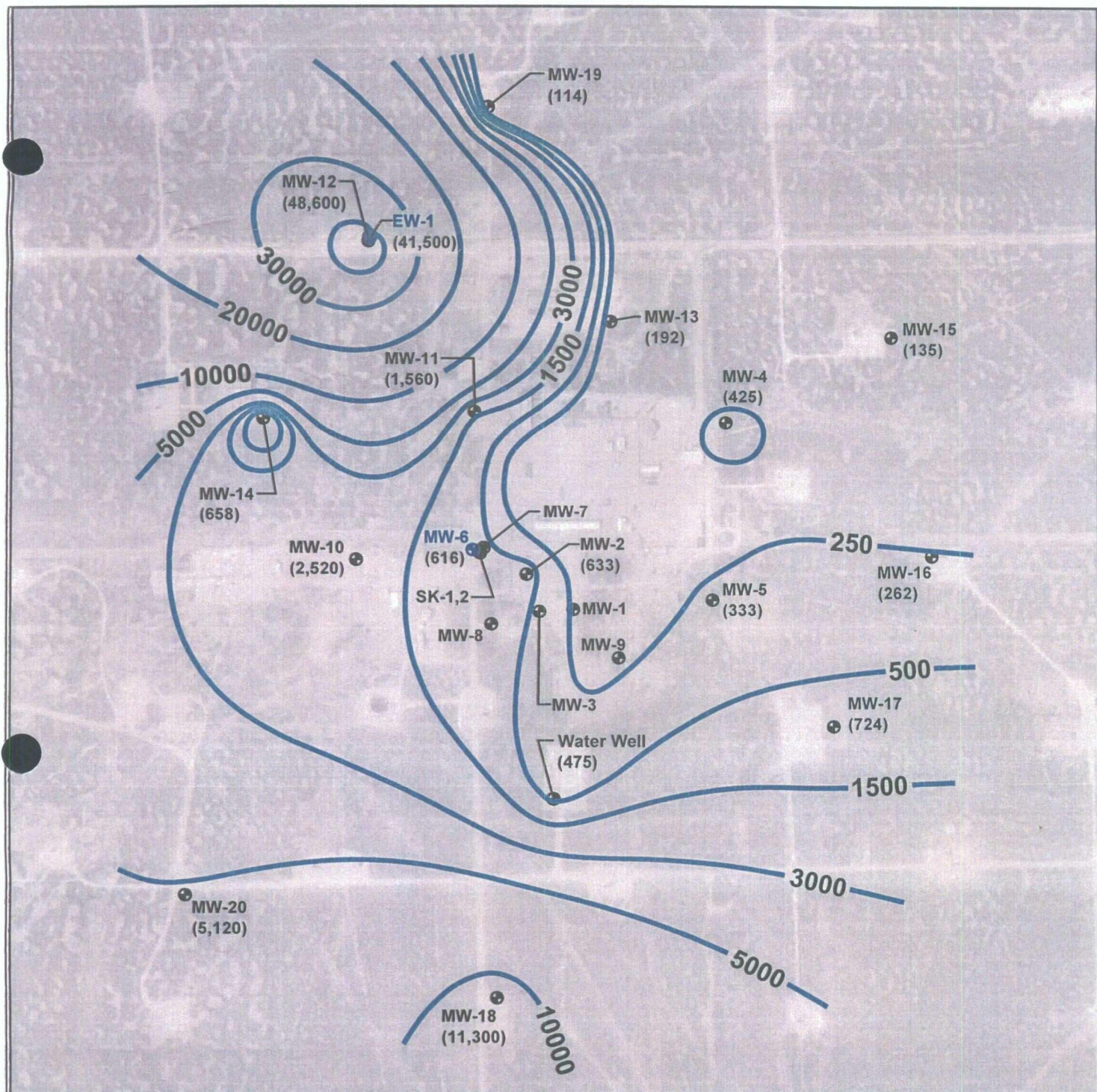


TETRA TECH, INC.

MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 07/29/09

ACAD File: Maljamar.Site Base Map 2008.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18



Monitoring Well Location

EW-1



Extraction Well Location

(5,120)

Chloride Concentration (mg/L)

3000

Chloride Concentration Contour

0 600 1200

SCALE (feet)



FIGURE
5

CHLORIDE CONCENTRATION
ISOPLETH MAP
MAY 2008

ConocoPhillips



TETRA TECH, INC.

MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 08/11/09

ACAD File: Maljamar Site Base Map 2008.dwg

Notes: Groundwater Analytical Data Collected May 6-8, 2008
mg/L = milligrams per liter

TABLES

Table 1	Well Construction Details
Table 2	Water Level Measurements
Table 3	Groundwater Quality Analyses – May 6-8, 2008
Table 4	MW-6 Groundwater Quality Measurements
Table 5a	Extraction Well MW-6 Recovery Volumes
Table 5b	Extraction Well EW-1 Recovery Volumes

Table 1

Well Construction Details
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico

Monitoring Well Number	Location Coordinates**		Top of Casing Elevation (famsl)	Depth			Screen Interval (fbgs)	Screen Slot Size*** (inches)	Casing Diameter (inches)	Well Installation Date
	Northing	Easting		Total (fbgs)	Casing (fbgs)	Water (fbgs)				
MW-1	32.81208	-103.77181	4002.24	97	0-72	77.00	72-92	0.010	2	6/21/2000
MW-2	32.81250	-103.77244	4005.12	98	0-67	76.32	67-97	0.010	2	9/28/2000
MW-3	32.81206	-103.77228	4001.94	98	0-68	76.94	68-98	0.010	2	9/28/2000
MW-4	32.81425	-103.76967	4016.20	110	0-80	94.88	80-110	0.010	2	5/22/2001
MW-5	32.81217	-103.76989	4009.42	100	0-70	90.20	70-100	0.010	2	5/22/2001
MW-6*	32.81282	-103.77315	4005.23	105	0-105		70-100	0.010	6	3/31/2004
MW-7*	32.81281	-103.77308	4002.95	100	0-70	81.58	70-100	0.010	2	5/23/2001
MW-8	32.81192	-103.77294	4000.72	100	0-70	76.10	70-100	0.010	2	5/23/2001
MW-9	32.81150	-103.77119	4003.11	100	0-70	83.63	70-100	0.010	2	5/23/2001
MW-10	32.81269	-103.77478	4000.47	97	0-74	73.39	74-94	0.010	2	12/5/2001
MW-11	32.81442	-103.77314	4015.54	120	0-98	83.46	98-118	0.010	2	12/4/2001
MW-12*	32.81646	-103.77455	4022.53	120	0-99	94.39	99-119	0.010	2	12/4/2001
MW-13	32.81547	-103.77128	4031.96	127	0-105	106.68	105-125	0.010	2	12/3/2001
MW-14	32.81436	-103.77603	4006.98	120	0-80	75.00	80-100	0.010	4	3/20/2002
MW-15	32.81523	-103.76737	4026.75	130	0-99	113.50	99-129	0.010	2	9/17/2002
MW-16	32.81264	-103.76686	4017.74	130	0-98	113.50	98-128	0.010	2	9/17/2002
MW-17	32.81066	-103.76825	3998.58	100	0-79	97.36	79-99	0.010	2	9/17/2002
MW-18	32.80754	-103.77293	3980.46	110	0-87	85.91	87-107	0.010	2	9/17/2002
MW-19	32.81796	-103.77289	4037.34	120	0-98	117.23	98-118	0.010	2	9/17/2002
MW-20*	32.80878	-103.77718	3977.52	120	0-80	75.90	80-100	0.010	2	9/18/2002
SK-1*	32.81280	-103.77309	4005.60	105	0-85	74.07	85-105	0.010	4	3/21/2002
SK-2*	32.81278	-103.77309	4004.99	89.5	0-69	72.89	69-89	0.010	4	12/18/2002
EW-1	32.81650	-103.77452	4022.04	125	0-125	92.58	95-125	0.020	6	5/15/2007

Notes:

famsl = feet above mean sea level

fbgs = feet below ground surface

* Wells re-surveyed for location and elevation of top of casing on 12/21/07

** Section 21, T-17-S, R-32-E, New Mexico Principal Meridian

*** Schedule 40 PVC

Blank Fields Indicate No Data

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1	05/21/01	4002.24	78.25		0.00	0.00	78.25	3923.99
	06/29/01	4002.24	78.24		0.00	0.00	78.24	3924.00
	12/13/01	4002.24	78.66		0.00	0.00	78.66	3923.58
	03/22/02	4002.24	79.00		0.00	0.00	79.00	3923.24
	09/16/02	4002.24	79.44	79.25	0.19	0.15	79.29	3922.95
	09/20/02	4002.24	79.35	79.13	0.22	0.18	79.17	3923.07
	09/04/03	4002.24	78.34		0.00	0.00	78.34	3923.90
	04/05/04	4002.24	80.23	80.22	0.01	0.01	80.22	3922.02
	05/17/04	4002.24	81.32	80.28	1.04	0.83	80.49	3921.75
	05/24/04	4002.24	81.30	80.25	1.05	0.84	80.46	3921.78
	06/01/04	4002.24	81.36	80.30	1.06	0.85	80.51	3921.73
	06/07/04	4002.24	81.28	80.26	1.02	0.82	80.46	3921.78
	06/15/04	4002.24	81.43	80.36	1.07	0.86	80.57	3921.67
	06/21/04	4002.24	81.42	80.39	1.03	0.82	80.60	3921.64
	06/28/04	4002.24	81.69	80.58	1.11	0.89	80.80	3921.44
	07/06/04	4002.24	81.59	80.49	1.10	0.88	80.71	3921.53
	07/12/04	4002.24	81.67	80.57	1.10	0.88	80.79	3921.45
	07/19/04	4002.24	81.63	80.57	1.06	0.85	80.78	3921.46
	07/26/04	4002.24	81.82	80.72	1.10	0.88	80.94	3921.30
	08/02/04	4002.24	81.72	80.63	1.09	0.87	80.85	3921.39
	08/10/04	4002.24	81.82	80.72	1.10	0.88	80.94	3921.30
	08/16/04	4002.24	81.83	80.74	1.09	0.87	80.96	3921.28
	08/23/04	4002.24	81.61	80.57	1.04	0.83	80.78	3921.46
	08/30/04	4002.24	81.84	80.75	1.09	0.87	80.97	3921.27
	09/08/04	4002.24	81.91	80.83	1.08	0.86	81.05	3921.19
	10/08/04	4002.24	81.92	80.87	1.05	0.84	81.08	3921.16
	12/30/04	4002.24	81.94	80.97	0.97	0.78	81.16	3921.08
	01/17/05	4002.24	82.28	81.27	1.01	0.81	81.47	3920.77
	03/09/05	4002.24	82.30	81.23	1.07	0.86	81.44	3920.80
	04/05/05	4002.24	82.05	81.04	1.01	0.81	81.24	3921.00
	05/10/05	4002.24	82.15	81.16	0.99	0.79	81.36	3920.88
	06/08/05	4002.24	82.24	81.23	1.01	0.81	81.43	3920.81
	07/05/05	4002.24	82.49	81.43	1.06	0.85	81.64	3920.60
	08/08/05	4002.24	82.41	81.42	0.99	0.79	81.62	3920.62
	09/14/05	4002.24	82.33	81.35	0.98	0.78	81.55	3920.69
	10/12/05	4002.24	82.43	81.42	1.01	0.81	81.62	3920.62
	11/09/05	4002.24	82.48	81.46	1.02	0.82	81.66	3920.58
	12/14/05	4002.24	82.28	81.30	0.98	0.78	81.50	3920.74
	01/12/06	4002.24	82.15	81.21	0.94	0.75	81.40	3920.84
	02/02/06	4002.24	82.08	81.11	0.97	0.78	81.30	3920.94
	03/07/06	4002.24	82.23	81.29	0.94	0.75	81.48	3920.76
	04/05/06	4002.24	82.16	81.22	0.94	0.75	81.41	3920.83
	05/08/06	4002.24	82.05	81.11	0.94	0.75	81.30	3920.94
	06/05/06	4002.24	82.09	81.15	0.94	0.75	81.34	3920.90
	07/11/06	4002.24	82.06	81.11	0.95	0.76	81.30	3920.94
	08/16/06	4002.24	82.03	81.08	0.95	0.76	81.27	3920.97
	09/07/06	4002.24	81.83	80.93	0.90	0.72	81.11	3921.13
	10/11/06	4002.24	81.77	80.89	0.88	0.70	81.07	3921.17
	11/08/06	4002.24	81.65	80.79	0.86	0.69	80.96	3921.28
	12/04/06	4002.24	82.08	81.23	0.85	0.68	81.40	3920.84
	01/04/07	4002.24	81.51	80.68	0.83	0.66	80.85	3921.39
	02/27/07	4002.24	81.35	80.48	0.87	0.70	80.65	3921.59
	03/20/07	4002.24	81.48	80.61	0.87	0.70	80.78	3921.46
	04/17/07	4000.24	81.31	80.47	0.84	0.67	80.64	3919.60
	05/07/07	4001.24	81.43	80.54	0.89	0.71	80.72	3920.52
	06/27/07	4002.24	81.25	80.35	0.90	0.72	80.53	3921.71
	07/19/07	4002.24	81.16	80.28	0.88	0.70	80.46	3921.78
	08/21/07	4002.24	81.03	80.12	0.91	0.73	80.30	3921.94
	09/17/07	4002.24	81.05	80.14	0.91	0.73	80.32	3921.92
	10/16/07	4002.24	80.85	79.91	0.94	0.75	80.10	3922.14
	11/20/07	4002.24	81.00	80.05	0.95	0.76	80.24	3922.00
	12/21/07	4002.24	80.85	79.88	0.97	0.78	80.07	3922.17
	01/22/08	4002.24	81.06	79.97	1.09	0.87	80.19	3922.05
	02/27/08	4002.24	81.05	79.90	1.15	0.92	80.13	3922.11
	03/25/08	4002.24	80.94	79.70	1.24	0.99	79.95	3922.29
	04/29/08	4002.24	81.03	79.59	1.44	1.15	79.88	3922.36
	05/05/08	4002.24	81.00	79.51	1.49	1.19	79.81	3922.43
	06/10/08	4002.24	81.20	79.35	1.85	1.48	79.72	3922.52
	07/15/08	4002.24	81.44	79.23	2.21	1.77	79.67	3922.57

Table 2
Water Level Measurements
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1 cont.	08/19/08	4002.24	81.70	79.05	2.65	2.12	79.58	3922.66
	09/16/08	4002.24	82.10	79.10	3.00	2.40	79.70	3922.54
	10/15/08	4002.24	82.25	78.91	3.34	2.67	79.58	3922.66
	11/12/08	4002.24	82.19	78.63	3.56	2.85	79.34	3922.90
	12/11/08	4002.24	82.58	78.70	3.88	3.10	79.48	3922.76
MW-2	05/21/01	4005.12	76.63		0.00	0.00	76.63	3928.49
	06/29/01	4005.12	76.57		0.00	0.00	76.57	3928.55
	12/13/01	4005.12	76.94		0.00	0.00	76.94	3928.18
	02/28/02	4005.12	76.92		0.00	0.00	76.92	3928.20
	03/22/02	4005.12	77.29		0.00	0.00	77.29	3927.83
	09/16/02	4005.12	77.57		0.00	0.00	77.57	3927.55
	09/20/02	4005.12	77.47		0.00	0.00	77.47	3927.65
	04/05/04	4005.12	80.23		0.00	0.00	80.23	3924.89
	05/17/04	4005.12	78.62		0.00	0.00	78.62	3926.50
	05/24/04	4005.12	78.81		0.00	0.00	78.81	3926.31
	06/01/04	4005.12	79.06		0.00	0.00	79.06	3926.06
	06/07/04	4005.12	79.04		0.00	0.00	79.04	3926.08
	06/15/04	4005.12	79.20		0.00	0.00	79.20	3925.92
	06/21/04	4005.12	79.23		0.00	0.00	79.23	3925.89
	06/28/04	4005.12	79.54		0.00	0.00	79.54	3925.58
	07/06/04	4005.12	79.38		0.00	0.00	79.38	3925.74
	07/12/04	4005.12	79.50		0.00	0.00	79.50	3925.62
	07/19/04	4005.12	79.45		0.00	0.00	79.45	3925.67
	07/26/04	4005.12	79.68		0.00	0.00	79.68	3925.44
	08/02/04	4005.12	79.52		0.00	0.00	79.52	3925.60
	08/10/04	4005.12	79.66		0.00	0.00	79.66	3925.46
	08/16/04	4005.12	79.65		0.00	0.00	79.65	3925.47
	08/23/04	4005.12	79.39		0.00	0.00	79.39	3925.73
	08/30/04	4005.12	79.64		0.00	0.00	79.64	3925.48
	09/08/04	4005.12	79.94	79.73	0.21	0.17	79.77	3925.35
	10/08/04	4005.12	79.73		0.00	0.00	79.73	3925.39
	12/30/05	4005.12	79.71		0.00	0.00	79.71	3925.41
	01/17/05	4005.12	79.85		0.00	0.00	79.85	3925.27
	03/09/05	4005.12	80.00		0.00	0.00	80.00	3925.12
	04/05/05	4005.12	79.72		0.00	0.00	79.72	3925.40
	05/10/05	4005.12	79.77		0.00	0.00	79.77	3925.35
	06/08/05	4005.12	79.83		0.00	0.00	79.83	3925.29
	07/05/05	4005.12	80.13		0.00	0.00	80.13	3924.99
	08/08/05	4005.12	80.03		0.00	0.00	80.03	3925.09
	09/14/05	4005.12	79.69		0.00	0.00	79.69	3925.43
	10/12/05	4005.12	79.59	79.59	0.00	0.00	79.59	3925.53
	11/09/05	4005.12	79.58		0.00	0.00	79.58	3925.54
	12/14/05	4005.12	79.58		0.00	0.00	79.58	3925.54
	01/12/06	4005.12	79.21		0.00	0.00	79.21	3925.91
	02/02/06	4005.12	79.22		0.00	0.00	79.22	3925.90
	03/07/06	4005.12	79.71		0.00	0.00	79.71	3925.41
	04/05/06	4005.12	79.91	79.90	0.01	0.01	79.90	3925.22
	05/08/06	4005.12	79.62	79.62	0.00	0.00	79.62	3925.50
	06/05/06	4005.12	79.64		0.00	0.00	79.64	3925.48
	07/11/06	4005.12	79.56	79.56	0.00	0.00	79.56	3925.56
	08/16/06	4005.12	79.11		0.00	0.00	79.11	3926.01
	09/07/06	4005.12	79.15		0.00	0.00	79.15	3925.97
	10/11/06	4005.12	79.22	79.21	0.01	0.01	79.21	3925.91
	11/08/06	4005.12	79.04	79.04	0.00	0.00	79.04	3926.08
	12/04/06	4005.12	79.68	79.68	0.00	0.00	79.68	3925.44
	01/04/07	4005.12	78.79		0.00	0.00	78.79	3926.33
	02/27/07	4005.12	78.78	78.77	0.01	0.01	78.77	3926.35
	03/20/07	4005.12	79.31	79.30	0.01	0.01	79.30	3925.82
	04/17/07	4005.12	79.40	79.39	0.01	0.01	79.39	3925.73
	05/07/07	4005.12	79.30	79.30	0.00	0.00	79.30	3925.82
	06/27/07	4005.12	78.98		0.00	0.00	78.98	3926.14
	07/19/07	4005.12	78.85		0.00	0.00	78.85	3926.27
	08/21/07	4005.12	78.71		0.00	0.00	78.71	3926.41
	09/17/07	4005.12	78.72		0.00	0.00	78.72	3926.40
	10/16/07	4005.12	78.61		0.00	0.00	78.61	3926.51
	11/20/07	4005.12	78.67		0.00	0.00	78.67	3926.45
	12/21/07	4005.12	78.47		0.00	0.00	78.47	3926.65
	01/22/08	4005.12	78.78		0.00	0.00	78.78	3926.34
	02/27/08	4005.12	78.35		0.00	0.00	78.35	3926.77

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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-2 cont.	03/25/08	4005.12	78.40		0.00	0.00	78.40	3926.72
	04/29/08	4005.12	78.48		0.00	0.00	78.48	3926.64
	05/05/08	4005.12	78.41		0.00	0.00	78.41	3926.71
	06/10/08	4005.12	78.42		0.00	0.00	78.42	3926.70
	07/15/08	4005.12	78.36		0.00	0.00	78.36	3926.76
	08/19/08	4005.12	77.95		0.00	0.00	77.95	3927.17
	09/16/08	4005.12	78.09		0.00	0.00	78.09	3927.03
	10/15/08	4005.12	77.99		0.00	0.00	77.99	3927.13
	11/12/08	4005.12	77.74		0.00	0.00	77.74	3927.38
	12/11/08	4005.12	78.14		0.00	0.00	78.14	3926.98
MW-3	02/06/02	4001.94	79.30	77.13	2.17	1.74	77.56	3924.38
	02/13/02	4001.94	79.62	77.71	1.91	1.53	78.09	3923.85
	03/22/02	4001.94	78.05	77.80	0.25	0.20	77.85	3924.09
	09/16/02	4001.94	78.18	78.14	0.04	0.03	78.15	3923.79
	09/20/02	4001.94	77.98	77.98	0.00	0.00	77.98	3923.96
	09/04/03	4001.94	79.29	78.91	0.38	0.30	78.99	3922.95
	04/05/04	4001.94	79.10	79.04	0.06	0.05	79.05	3922.89
	05/17/04	4001.94	79.46	79.08	0.38	0.30	79.16	3922.78
	05/24/04	4001.94	79.41	79.05	0.36	0.29	79.12	3922.82
	06/01/04	4001.94	79.58	79.17	0.41	0.33	79.25	3922.69
	06/07/04	4001.94	79.50	79.12	0.38	0.30	79.20	3922.74
	06/15/04	4001.94	79.68	79.24	0.44	0.35	79.33	3922.61
	06/21/04	4001.94	79.65	79.24	0.41	0.33	79.32	3922.62
	06/28/04	4001.94	80.04	79.53	0.51	0.41	79.63	3922.31
	07/06/04	4001.94	79.87	79.40	0.47	0.38	79.49	3922.45
	07/12/04	4001.94	80.00	79.49	0.51	0.41	79.59	3922.35
	07/19/04	4001.94	79.94	79.46	0.48	0.38	79.56	3922.38
	07/26/04	4001.94	80.18	79.65	0.53	0.42	79.76	3922.18
	08/02/04	4001.94	80.01	79.52	0.49	0.39	79.62	3922.32
	08/10/04	4001.94	80.12	79.59	0.53	0.42	79.70	3922.24
	08/16/04	4001.94	80.16	79.62	0.54	0.43	79.73	3922.21
	08/23/04	4001.94	79.82	79.39	0.43	0.34	79.48	3922.46
	08/30/04	4001.94	80.14	79.62	0.52	0.42	79.72	3922.22
	09/08/04	4001.94	80.24	79.68	0.56	0.45	79.79	3922.15
	10/08/04	4001.94	80.19	79.69	0.50	0.40	79.79	3922.15
	12/30/05	4001.94	80.13	79.71	0.42	0.34	79.79	3922.15
	01/17/05	4001.94	80.57	79.00	1.57	1.26	79.31	3922.63
	03/09/05	4001.94	80.50	80.00	0.50	0.40	80.10	3921.84
	04/05/05	4001.94	80.14	79.79	0.35	0.28	79.86	3922.08
	05/10/05	4001.94	80.23	79.84	0.39	0.31	79.92	3922.02
	06/08/05	4001.94	80.34	79.91	0.43	0.34	80.00	3921.94
	07/05/05	4001.94	80.69	80.15	0.54	0.43	80.26	3921.68
	08/08/05	4001.94	80.57	80.07	0.50	0.40	80.17	3921.77
	09/14/05	4001.94	80.39	79.96	0.43	0.34	80.05	3921.89
	10/12/05	4001.94	80.47	80.04	0.43	0.34	80.13	3921.81
	11/09/05	4001.94	80.46	80.06	0.40	0.32	80.14	3921.80
	12/14/05	4001.94	80.23	79.90	0.33	0.26	79.97	3921.97
	01/12/06	4001.94	79.99	79.72	0.27	0.22	79.77	3922.17
	02/02/06	4001.94	79.93	79.70	0.23	0.18	79.75	3922.19
	03/07/06	4001.94	80.24	79.90	0.34	0.27	79.97	3921.97
	04/05/06	4001.94	80.25	79.91	0.34	0.27	79.98	3921.96
	05/08/06	4001.94	80.10	79.83	0.27	0.22	79.88	3922.06
	06/05/06	4001.94	80.15	79.86	0.29	0.23	79.92	3922.02
	07/11/06	4001.94	80.10	79.85	0.25	0.20	79.90	3922.04
	08/16/06	4001.94	79.99	79.80	0.19	0.15	79.84	3922.10
	09/07/06	4001.94	79.64		0.00	0.00	79.64	3922.30
	10/11/06	4001.94	79.84	79.64	0.20	0.16	79.68	3922.26
	11/08/06	4001.94	79.66	79.51	0.15	0.12	79.54	3922.40
	12/04/06	4001.94	80.32	80.01	0.31	0.25	80.07	3921.87
	01/04/07	4001.94	79.39	79.39	0.00	0.00	79.39	3922.55
	02/27/07	4001.94	79.49	79.34	0.15	0.12	79.37	3922.57
	03/20/07	4001.94	79.74	79.56	0.18	0.14	79.60	3922.34
	04/17/07	4001.94	79.66	79.47	0.19	0.15	79.51	3922.43
	05/07/07	4001.94	79.63		0.00	0.00	79.63	3922.31
	06/27/07	4001.94	79.58	79.41	0.17	0.14	79.44	3922.50
	07/19/07	4001.94	79.25	79.25	0.00	0.00	79.25	3922.69
	08/21/07	4001.94	79.30	79.18	0.12	0.10	79.20	3922.74
	09/17/07	4001.94	79.32	79.18	0.14	0.11	79.21	3922.73
	10/16/07	4001.94	79.26	79.15	0.11	0.09	79.17	3922.77

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-3 cont.	11/20/07	4001.94	79.25	79.17	0.08	0.06	79.19	3922.75
	12/21/07	4001.94	79.00		0.00	0.00	79.00	3922.94
	01/22/08	4001.94	79.32	79.30	0.02	0.02	79.30	3922.64
	02/27/08	4001.94	79.20	79.15	0.05	0.04	79.16	3922.78
	03/25/08	4001.94	79.00	78.95	0.05	0.04	78.96	3922.98
	04/29/08	4001.94	79.00	78.98	0.02	0.02	78.98	3922.96
	05/05/08	4001.94	78.94	78.98	-0.04	-0.03	78.97	3922.97
	06/10/08	4001.94	78.89	78.87	0.02	0.02	78.87	3923.07
	07/15/08	4001.94	78.82	78.80	0.02	0.02	78.80	3923.14
	08/19/08	4001.94		78.64				
	09/16/08	4001.94	78.92	78.83	0.09	0.07	78.85	3923.09
	10/15/08	4001.94	78.85	78.67	0.18	0.14	78.71	3923.23
	11/12/08	4001.94	78.54	78.36	0.18	0.14	78.40	3923.54
	12/11/08	4001.94	78.80	78.56	0.24	0.19	78.61	3923.33
MW-4	05/22/01	4016.20	95.20		0.00	0.00	95.20	3921.00
	05/24/01	4016.20	94.88		0.00	0.00	94.88	3921.32
	06/29/01	4016.20	94.87		0.00	0.00	94.87	3921.33
	12/13/01	4016.20	95.27		0.00	0.00	95.27	3920.93
	03/22/02	4016.20	95.37		0.00	0.00	95.37	3920.83
	09/16/02	4016.20	95.53		0.00	0.00	95.53	3920.67
	09/20/02	4016.20	95.42		0.00	0.00	95.42	3920.78
	04/05/04	4016.20	96.38		0.00	0.00	96.38	3919.82
	05/17/04	4016.20	96.43		0.00	0.00	96.43	3919.77
	05/24/04	4016.20	96.37		0.00	0.00	96.37	3919.83
	06/01/04	4016.20	96.42		0.00	0.00	96.42	3919.78
	06/07/04	4016.20	96.34		0.00	0.00	96.34	3919.86
	06/15/04	4016.20	96.45		0.00	0.00	96.45	3919.75
	06/21/04	4016.20	96.42		0.00	0.00	96.42	3919.78
	06/28/04	4016.20	96.66		0.00	0.00	96.66	3919.54
	07/06/04	4016.20	96.54		0.00	0.00	96.54	3919.66
	07/12/04	4016.20	96.62		0.00	0.00	96.62	3919.58
	07/19/04	4016.20	96.56		0.00	0.00	96.56	3919.64
	07/26/04	4016.20	96.73		0.00	0.00	96.73	3919.47
	08/02/04	4016.20	96.61		0.00	0.00	96.61	3919.59
	08/10/04	4016.20	96.75		0.00	0.00	96.75	3919.45
	08/16/04	4016.20	96.69		0.00	0.00	96.69	3919.51
	08/23/04	4016.20	96.49		0.00	0.00	96.49	3919.71
	08/30/04	4016.20	96.69		0.00	0.00	96.69	3919.51
	09/08/04	4016.20	96.74		0.00	0.00	96.74	3919.46
	10/08/04	4016.20	96.71		0.00	0.00	96.71	3919.49
	12/30/05	4016.20	96.65		0.00	0.00	96.65	3919.55
	01/17/05	4016.20	97.03		0.00	0.00	97.03	3919.17
	02/09/05	4016.20	96.94		0.00	0.00	96.94	3919.26
	03/09/05	4016.20	96.96		0.00	0.00	96.96	3919.24
	04/05/05	4016.20	96.71		0.00	0.00	96.71	3919.49
	05/10/05	4016.20	96.75		0.00	0.00	96.75	3919.45
	06/08/05	4016.20	96.85		0.00	0.00	96.85	3919.35
	07/05/05	4016.20	97.08		0.00	0.00	97.08	3919.12
	08/08/05	4016.20	96.97		0.00	0.00	96.97	3919.23
	09/14/05	4016.20	96.94		0.00	0.00	96.94	3919.26
	10/12/05	4016.20	97.07		0.00	0.00	97.07	3919.13
	11/09/05	4016.20	97.14		0.00	0.00	97.14	3919.06
	12/14/05	4016.20	97.03		0.00	0.00	97.03	3919.17
	01/12/06	4016.20	96.91		0.00	0.00	96.91	3919.29
	02/02/06	4016.20	96.91		0.00	0.00	96.91	3919.29
	03/07/06	4016.20	97.04		0.00	0.00	97.04	3919.16
	04/05/06	4016.20	96.99		0.00	0.00	96.99	3919.21
	05/08/06	4016.20	96.95		0.00	0.00	96.95	3919.25
	06/05/06	4016.20	97.05		0.00	0.00	97.05	3919.15
	07/11/06	4016.20	97.09		0.00	0.00	97.09	3919.11
	08/16/06	4016.20	97.16		0.00	0.00	97.16	3919.04
	09/07/06	4016.20	97.08		0.00	0.00	97.08	3919.12
	10/11/06	4016.20	97.10		0.00	0.00	97.10	3919.10
	11/08/06	4016.20	97.00		0.00	0.00	97.00	3919.20
	12/04/06	4016.20	97.48		0.00	0.00	97.48	3918.72
	01/04/07	4016.20	96.97		0.00	0.00	96.97	3919.23
	02/27/07	4016.20	97.03		0.00	0.00	97.03	3919.17
	03/20/07	4016.20	97.18		0.00	0.00	97.18	3919.02
	04/17/07	4016.20	97.02		0.00	0.00	97.02	3919.18

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-4 cont.	05/07/07	4016.20	97.20		0.00	0.00	97.20	3919.00
	06/27/07	4016.20	97.09		0.00	0.00	97.09	3919.11
	07/19/07	4016.20	97.02		0.00	0.00	97.02	3919.18
	08/21/07	4016.20	96.95		0.00	0.00	96.95	3919.25
	09/17/07	4016.20	96.98		0.00	0.00	96.98	3919.22
	10/16/07	4016.20	96.93		0.00	0.00	96.93	3919.27
	11/20/07	4016.20	97.03		0.00	0.00	97.03	3919.17
	12/21/07	4016.20	96.91		0.00	0.00	96.91	3919.29
	01/22/08	4016.20	97.28		0.00	0.00	97.28	3918.92
	02/27/08	4016.20	97.26		0.00	0.00	97.26	3918.94
	03/25/08	4016.20	97.14		0.00	0.00	97.14	3919.06
	04/29/08	4016.20	97.13		0.00	0.00	97.13	3919.07
	05/05/08	4016.20	97.08		0.00	0.00	97.08	3919.12
	06/10/08	4016.20	97.11		0.00	0.00	97.11	3919.09
	07/15/08	4016.20	97.11		0.00	0.00	97.11	3919.09
	08/19/08	4016.20	97.10		0.00	0.00	97.10	3919.10
	09/16/08	4016.20	97.32		0.00	0.00	97.32	3918.88
	10/15/08	4016.20	97.25		0.00	0.00	97.25	3918.95
	11/12/08	4016.20	97.01		0.00	0.00	97.01	3919.19
	12/11/08	4016.20	97.15		0.00	0.00	97.15	3919.05
MW-5	05/23/01	4009.42	90.38		0.00	0.00	90.38	3919.04
	05/24/01	4009.42	90.20		0.00	0.00	90.20	3919.22
	12/13/01	4009.42	90.25		0.00	0.00	90.25	3919.17
	03/22/02	4009.42	90.24	90.22	0.02	0.02	90.22	3919.20
	09/16/02	4009.42	90.98	90.66	0.32	0.26	90.72	3918.70
	09/20/02	4009.42	90.88	90.59	0.29	0.23	90.65	3918.77
	04/05/04	4009.42	92.00	91.82	0.18	0.14	91.86	3917.56
	05/17/04	4009.42	92.10	91.91	0.19	0.15	91.95	3917.47
	05/24/04	4009.42	92.03	91.84	0.19	0.15	91.88	3917.54
	06/01/04	4009.42	92.10	91.91	0.19	0.15	91.95	3917.47
	06/07/04	4009.42	91.99	91.86	0.13	0.10	91.89	3917.53
	06/15/04	4009.42	92.12	91.94	0.18	0.14	91.98	3917.44
	06/21/04	4009.42	92.11	91.95	0.16	0.13	91.98	3917.44
	06/28/04	4009.42	92.33	92.15	0.18	0.14	92.19	3917.23
	07/06/04	4009.42	92.24	92.04	0.20	0.16	92.08	3917.34
	07/12/04	4009.42	92.31	92.12	0.19	0.15	92.16	3917.26
	07/19/04	4009.42	92.27	92.08	0.19	0.15	92.12	3917.30
	07/26/04	4009.42	92.39	92.19	0.20	0.16	92.23	3917.19
	08/02/04	4009.42	92.33	92.13	0.20	0.16	92.17	3917.25
	08/10/04	4009.42	92.40	92.21	0.19	0.15	92.25	3917.17
	08/16/04	4009.42	92.42	92.22	0.20	0.16	92.26	3917.16
	08/23/04	4009.42	92.15	92.02	0.13	0.10	92.05	3917.37
	08/30/04	4009.42	92.44	92.26	0.18	0.14	92.30	3917.12
	09/08/04	4009.42	92.44	92.24	0.20	0.16	92.28	3917.14
	10/08/04	4009.42	92.43	92.27	0.16	0.13	92.30	3917.12
	12/30/05	4009.42	92.41	92.34	0.07	0.06	92.35	3917.07
	01/17/05	4009.42	92.65	92.57	0.08	0.06	92.59	3916.83
	02/09/05	4009.42	92.61	92.57	0.04	0.03	92.58	3916.84
	03/09/05	4009.42	92.65	92.63	0.02	0.02	92.63	3916.79
	04/05/05	4009.42	92.38		0.00	0.00	92.38	3917.04
	05/10/05	4009.42	92.40		0.00	0.00	92.40	3917.02
	06/08/05	4009.42	92.54		0.00	0.00	92.54	3916.88
	07/05/05	4009.42	92.78		0.00	0.00	92.78	3916.64
	08/08/05	4009.42	92.65		0.00	0.00	92.65	3916.77
	09/14/05	4009.42	92.61	92.61	0.00	0.00	92.61	3916.81
	10/12/05	4009.42	92.70		0.00	0.00	92.70	3916.72
	11/09/05	4009.42	92.75		0.00	0.00	92.75	3916.67
	12/14/05	4009.42	92.56		0.00	0.00	92.56	3916.86
	01/12/06	4009.42	92.38		0.00	0.00	92.38	3917.04
	02/02/06	4009.42	92.38	92.38	0.00	0.00	92.38	3917.04
	03/07/06	4009.42	92.43		0.00	0.00	92.43	3916.99
	04/05/06	4009.42	92.32		0.00	0.00	92.32	3917.10
	05/08/06	4009.42	92.26		0.00	0.00	92.26	3917.16
	06/05/06	4009.42	92.30	92.30	0.00	0.00	92.30	3917.12
	07/11/06	4009.42	92.33	92.33	0.00	0.00	92.33	3917.09
	08/16/06	4009.42	92.41		0.00	0.00	92.41	3917.01
	09/07/06	4009.42	92.83		0.00	0.00	92.83	3916.59
	10/11/06	4009.42	92.36	92.36	0.00	0.00	92.36	3917.06
	11/08/06	4009.42	92.25	92.24	0.01	0.01	92.24	3917.18

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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-5 cont.	12/04/06	4009.42	92.75	92.75	0.00	0.00	92.75	3916.67
	01/04/07	4009.42	92.26		0.00	0.00	92.26	3917.16
	02/27/07	4009.42	92.35	92.35	0.00	0.00	92.35	3917.07
	03/20/07	4009.42	92.51	92.51	0.00	0.00	92.51	3916.91
	04/17/07	4009.42	92.32	92.32	0.00	0.00	92.32	3917.10
	05/07/07	4009.42	92.56	92.56	0.00	0.00	92.56	3916.86
	06/27/07	4009.42	92.39		0.00	0.00	92.39	3917.03
	07/17/07	4009.42	92.32		0.00	0.00	92.32	3917.10
	08/21/07	4009.42	92.24		0.00	0.00	92.24	3917.18
	09/17/07	4009.42	92.26		0.00	0.00	92.26	3917.16
	10/16/07	4009.42	92.23		0.00	0.00	92.23	3917.19
	11/20/07	4009.42	92.28		0.00	0.00	92.28	3917.14
	12/21/07	4009.42	92.21		0.00	0.00	92.21	3917.21
	01/22/08	4009.42	91.88		0.00	0.00	91.88	3917.54
	02/27/08	4009.42	92.36		0.00	0.00	92.36	3917.06
	03/25/08	4009.42	92.20		0.00	0.00	92.20	3917.22
	04/29/08	4009.42	92.11		0.00	0.00	92.11	3917.31
	05/05/08	4009.42	92.08		0.00	0.00	92.08	3917.34
	06/10/08	4009.42	92.22	91.98	0.24	0.19	92.03	3917.39
	07/15/08	4009.42	92.11	91.88	0.23	0.18	91.93	3917.49
	08/19/08	4009.42	92.00	91.81	0.19	0.15	91.85	3917.57
	09/16/08	4009.42	92.15	91.95	0.20	0.16	91.99	3917.43
	10/15/08	4009.42	92.03	91.85	0.18	0.14	91.89	3917.53
	11/12/08	4009.42	91.76	91.64	0.12	0.10	91.66	3917.76
	12/11/08	4009.42	91.78	91.75	0.03	0.02	91.76	3917.66
MW-7	05/24/01	4002.94	75.38		0.00	0.00	75.38	3927.56
	02/06/02	4002.94	76.62	69.86	6.76	5.41	71.21	3931.73
	02/20/02	4002.94	76.16	69.92	6.24	4.99	71.17	3931.77
	02/28/02	4002.94	75.74	69.89	5.85	4.68	71.06	3931.88
	03/22/02	4002.94	76.40	70.07	6.33	5.06	71.34	3931.60
	09/16/02	4002.94	76.56	70.51	6.05	4.84	71.72	3931.22
	09/20/02	4002.94	76.08	70.23	5.85	4.68	71.40	3931.54
	12/20/02	4002.94	75.09	70.98	4.11	3.29	71.80	3931.14
	01/21/03	4002.94	75.43	71.11	4.32	3.46	71.97	3930.97
	01/22/03	4002.94	75.44	70.97	4.47	3.58	71.86	3931.08
	01/29/03	4002.94	75.47	71.04	4.43	3.54	71.93	3931.01
	02/10/03	4002.94	75.53	71.00	4.53	3.62	71.91	3931.03
	02/17/03	4002.94	75.40	70.92	4.48	3.58	71.82	3931.12
	03/20/03	4002.94	75.51	70.91	4.60	3.68	71.83	3931.11
	03/27/03	4002.94	75.09	70.64	4.45	3.56	71.53	3931.41
	04/08/03	4002.94	76.09	71.41	4.68	3.74	72.35	3930.59
	04/16/03	4002.94	75.52	70.87	4.65	3.72	71.80	3931.14
	04/23/03	4002.94	75.31	70.69	4.62	3.70	71.61	3931.33
	04/30/03	4002.94	75.44	70.84	4.60	3.68	71.76	3931.18
	05/13/03	4002.94	75.66	71.02	4.64	3.71	71.95	3930.99
	05/19/03	4002.94	75.63	71.00	4.63	3.70	71.93	3931.01
	05/28/03	4002.94	75.95	71.33	4.62	3.70	72.25	3930.69
	06/04/03	4002.94	75.44	70.85	4.59	3.67	71.77	3931.17
	06/18/03	4002.94	75.64	71.10	4.54	3.63	72.01	3930.93
	08/28/03	4002.94	76.02	71.13	4.89	3.91	72.11	3930.83
	09/24/03	4002.94	76.17	71.42	4.75	3.80	72.37	3930.57
	04/05/04	4002.94	76.05	71.64	4.41	3.53	72.52	3930.42
	05/17/04	4002.94	87.40	72.50	14.90	11.92	75.48	3927.46
	05/24/04	4002.94	91.11	75.30	15.81	12.65	78.46	3924.48
	06/01/04	4002.94	85.60	73.17	12.43	9.94	75.66	3927.28
	06/07/04	4002.94	85.50	73.11	12.39	9.91	75.59	3927.35
	06/15/04	4002.94	79.80	73.18	6.62	5.30	74.50	3928.44
	06/21/04	4002.94	85.15	73.41	11.74	9.39	75.76	3927.18
	06/28/04	4002.94	84.98	73.51	11.47	9.18	75.80	3927.14
	07/06/04	4002.94	85.13	73.52	11.61	9.29	75.84	3927.10
	07/12/04	4002.94	85.16	73.66	11.50	9.20	75.96	3926.98
	07/19/04	4002.94	85.31	73.74	11.57	9.26	76.05	3926.89
	07/26/04	4002.94	85.27	73.76	11.51	9.21	76.06	3926.88
	08/02/04	4002.94	85.43	73.87	11.56	9.25	76.18	3926.76
	08/16/04	4002.94	85.06	73.68	11.38	9.10	75.96	3926.98
	08/23/04	4002.94	85.21	73.75	11.46	9.17	76.04	3926.90
	08/30/04	4002.94	85.41	73.93	11.48	9.18	76.23	3926.71
	09/08/04	4002.94	84.70	73.79	10.91	8.73	75.97	3926.97
	10/08/04	4002.94	84.10	73.91	10.19	8.15	75.95	3926.99

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 cont.	12/30/05	4002.94	81.78	74.50	7.28	5.82	75.96	3926.98
	01/17/05	4002.94	77.57	74.56	3.01	2.41	75.16	3927.78
	02/09/05	4002.94	78.77	75.46	3.31	2.65	76.12	3926.82
	03/09/05	4002.94	78.68	75.41	3.27	2.62	76.06	3926.88
	04/05/05	4002.94	78.36	75.12	3.24	2.59	75.77	3927.17
	05/10/05	4002.94	78.19	75.02	3.17	2.54	75.65	3927.29
	06/08/05	4002.94	76.62	75.67	0.95	0.76	75.86	3927.08
	07/05/05	4002.94	76.88	75.77	1.11	0.89	75.99	3926.95
	08/08/05	4002.94	76.63	75.64	0.99	0.79	75.84	3927.10
	09/14/05	4002.94	75.05	73.91	1.14	0.91	74.14	3928.80
	10/12/05	4002.94	76.10	73.28	2.82	2.26	73.84	3929.10
	11/09/05	4002.94	75.99	73.21	2.78	2.22	73.77	3929.17
	12/14/05	4002.94	76.19	73.46	2.73	2.18	74.01	3928.93
	01/12/06	4002.94	75.34	72.93	2.41	1.93	73.41	3929.53
	02/02/06	4002.94	77.39	73.33	4.06	3.25	74.14	3928.80
	03/07/06	4002.94	75.82	74.50	1.32	1.06	74.76	3928.18
	04/05/06	4002.94	79.32	74.81	4.51	3.61	75.71	3927.23
	05/08/06	4002.94	78.81	74.34	4.47	3.58	75.23	3927.71
	06/05/06	4002.94	78.75	74.18	4.57	3.66	75.09	3927.85
	07/11/06	4002.94	75.31	75.31	0.00	0.00	75.31	3927.63
	08/16/06	4002.94	74.67	72.31	2.36	1.89	72.78	3930.16
	08/30/06	4002.94	74.56	72.58	1.98	1.58	72.98	3929.96
	09/07/06	4002.94	74.83	74.83	0.00	0.00	74.83	3928.11
	10/11/06	4002.94	75.02	74.96	0.06	0.05	74.97	3927.97
	11/08/06	4002.94	74.13		0.00	0.00	74.13	3928.81
	12/04/06	4002.94	75.08	74.83	0.25	0.20	74.88	3928.06
	01/04/07	4002.94	74.22	73.99	0.23	0.18	74.04	3928.90
	02/27/07	4002.94	73.95	73.63	0.32	0.26	73.69	3929.25
	03/20/07	4002.94	76.23	75.83	0.40	0.32	75.91	3927.03
	04/17/07	4002.94	76.96		0.00	0.00	76.96	3925.98
	05/07/07	4002.94	74.76		0.00	0.00	74.76	3928.18
	06/27/07	4002.94	74.71		0.00	0.00	74.71	3928.23
	07/17/07	4002.94	74.56		0.00	0.00	74.56	3928.38
	08/21/07	4002.94	74.51		0.00	0.00	74.51	3928.43
	09/17/07	4002.94	74.43		0.00	0.00	74.43	3928.51
	10/16/07	4002.94	74.40	74.39	0.01	0.01	74.39	3928.55
	11/20/07	4002.94	74.35	74.33	0.02	0.02	74.33	3928.61
	12/21/07*	4002.95	73.85	73.76	0.09	0.07	73.78	3929.17
	01/22/08	4002.95	73.58	73.56	0.02	0.02	73.56	3929.39
	02/27/08	4002.95	73.02		0.00	0.00	73.02	3929.93
	03/25/08	4002.95	74.12	74.08	0.04	0.03	74.09	3928.86
	04/29/08	4002.95	74.21	74.19	0.02	0.02	74.19	3928.76
	05/05/08	4002.95	74.23	74.21	0.02	0.02	74.21	3928.74
	06/10/08	4002.95	74.27	74.25	0.02	0.02	74.25	3928.70
	07/15/08	4002.95	73.83	73.79	0.04	0.03	73.80	3929.15
	08/19/08	4002.95	72.31		0.00	0.00	72.31	3930.64
	09/16/08	4002.95	72.42		0.00	0.00	72.42	3930.53
	10/15/08	4002.95	72.65	72.64	0.01	0.01	72.64	3930.31
	11/12/08	4002.95	72.26		0.00	0.00	72.26	3930.69
	12/11/08	4002.95	73.60		0.00	0.00	73.60	3929.35
MW-8	05/23/01	4000.72	77.00		0.00	0.00	77.00	3923.72
	05/24/01	4000.72	76.10		0.00	0.00	76.10	3924.62
	06/29/01	4000.72	76.12		0.00	0.00	76.12	3924.60
	12/13/01	4000.72	70.43		0.00	0.00	70.43	3930.29
	02/28/02	4000.72	76.40		0.00	0.00	76.40	3924.32
	03/22/02	4000.72	76.90		0.00	0.00	76.90	3923.82
	09/16/02	4000.72	77.02		0.00	0.00	77.02	3923.70
	09/20/02	4000.72	76.85		0.00	0.00	76.85	3923.87
	09/04/03	4000.72	77.82		0.00	0.00	77.82	3922.90
	04/05/04	4000.72	78.04		0.00	0.00	78.04	3922.68
	05/17/04	4000.72	78.08		0.00	0.00	78.08	3922.64
	05/24/04	4000.72	78.07		0.00	0.00	78.07	3922.65
	06/01/04	4000.72	78.17		0.00	0.00	78.17	3922.55
	06/07/04	4000.72	78.14		0.00	0.00	78.14	3922.58
	06/15/04	4000.72	78.29		0.00	0.00	78.29	3922.43
	06/21/04	4000.72	78.31		0.00	0.00	78.31	3922.41
	06/28/04	4000.72	78.65		0.00	0.00	78.65	3922.07
	07/06/04	4000.72	78.49		0.00	0.00	78.49	3922.23
	07/12/04	4000.72	78.61		0.00	0.00	78.61	3922.11

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8 cont.	07/19/04	4000.72	78.57		0.00	0.00	78.57	3922.15
	07/26/04	4000.72	78.79		0.00	0.00	78.79	3921.93
	08/02/04	4000.72	78.65		0.00	0.00	78.65	3922.07
	08/10/04	4000.72	78.79		0.00	0.00	78.79	3921.93
	08/16/04	4000.72	78.78		0.00	0.00	78.78	3921.94
	08/23/04	4000.72	78.53		0.00	0.00	78.53	3922.19
	08/30/04	4000.72	78.77		0.00	0.00	78.77	3921.95
	09/08/04	4000.72	78.87		0.00	0.00	78.87	3921.85
	10/08/04	4000.72	78.87		0.00	0.00	78.87	3921.85
	12/30/05	4000.72	78.91		0.00	0.00	78.91	3921.81
	01/17/05	4000.72	79.27		0.00	0.00	79.27	3921.45
	02/09/05	4000.72	79.15		0.00	0.00	79.15	3921.57
	03/09/05	4000.72	79.18		0.00	0.00	79.18	3921.54
	04/05/05	4000.72	78.84		0.00	0.00	78.84	3921.88
	05/10/05	4000.72	78.87		0.00	0.00	78.87	3921.85
	06/08/05	4000.72	79.11	78.82	0.29	0.23	78.88	3921.84
	07/05/05	4000.72	79.05	79.01	0.04	0.03	79.02	3921.70
	08/08/05	4000.72	79.69	78.82	0.87	0.70	78.99	3921.73
	09/14/05	4000.72	79.69	78.61	1.08	0.86	78.83	3921.89
	10/12/05	4000.72	79.73	78.66	1.07	0.86	78.87	3921.85
	11/09/05	4000.72	79.72	78.72	1.00	0.80	78.92	3921.80
	12/14/05	4000.72	79.47	78.51	0.96	0.77	78.70	3922.02
	01/12/06	4000.72	79.21	78.31	0.90	0.72	78.49	3922.23
	02/02/06	4000.72	79.13	78.27	0.86	0.69	78.44	3922.28
	03/07/06	4000.72	79.29	78.48	0.81	0.65	78.64	3922.08
	04/05/06	4000.72	79.17	78.48	0.69	0.55	78.62	3922.10
	05/08/06	4000.72	79.15	78.40	0.75	0.60	78.55	3922.17
	06/05/06	4000.72	79.22	78.52	0.70	0.56	78.66	3922.06
	07/11/06	4000.72	79.23	78.56	0.67	0.54	78.69	3922.03
	08/16/06	4000.72	79.16	78.54	0.62	0.50	78.66	3922.06
	09/07/06	4000.72	78.96	78.36	0.60	0.48	78.48	3922.24
	10/11/06	4000.72	78.94	78.36	0.58	0.46	78.48	3922.24
	11/08/06	4000.72	78.78	78.20	0.58	0.46	78.32	3922.40
	12/04/06	4000.72	79.37	78.83	0.54	0.43	78.94	3921.78
	01/04/07	4000.72	78.61	78.09	0.52	0.42	78.19	3922.53
	02/27/07	4000.72	78.53	78.05	0.48	0.38	78.15	3922.57
	03/20/07	4000.72	78.79	78.32	0.47	0.38	78.41	3922.31
	04/17/07	4000.72	78.69	78.24	0.45	0.36	78.33	3922.39
	05/07/07	4000.72	78.91	78.46	0.45	0.36	78.55	3922.17
	06/27/07	4000.72	78.73	78.32	0.41	0.33	78.40	3922.32
	07/19/07	4000.72	78.61	78.22	0.39	0.31	78.30	3922.42
	08/21/07	4000.72	78.51	78.13	0.38	0.30	78.21	3922.51
	09/17/07	4000.72	78.53	78.16	0.37	0.30	78.23	3922.49
	10/16/07	4000.72	78.42	78.07	0.35	0.28	78.14	3922.58
	11/20/07	4000.72	78.47	78.14	0.33	0.26	78.21	3922.51
	12/21/07	4000.72	78.24	77.92	0.32	0.26	77.98	3922.74
	01/22/08	4000.72	78.64	78.34	0.30	0.24	78.40	3922.32
	02/27/08	4000.72	78.43	78.14	0.29	0.23	78.20	3922.52
	03/25/08	4000.72	78.22	77.92	0.30	0.24	77.98	3922.74
	04/29/08	4000.72	78.19	77.91	0.28	0.22	77.97	3922.75
	05/05/08	4000.72	78.14	77.87	0.27	0.22	77.92	3922.80
	06/10/08	4000.72	78.11	77.85	0.26	0.21	77.90	3922.82
	07/15/08	4000.72	78.08	77.82	0.26	0.21	77.87	3922.85
	08/19/08	4000.72	77.96	77.71	0.25	0.20	77.76	3922.96
	09/16/08	4000.72	78.18	77.94	0.24	0.19	77.99	3922.73
	10/15/08	4000.72	78.06	77.83	0.23	0.18	77.88	3922.84
	11/12/08	4000.72	77.76	77.54	0.22	0.18	77.58	3923.14
	12/11/08	4000.72	77.98	77.77	0.21	0.17	77.81	3922.91
MW-9	05/23/01	4003.11	83.00		0.00	0.00	83.00	3920.11
	05/24/01	4003.11	83.63		0.00	0.00	83.63	3919.48
	06/29/01	4003.11	83.55		0.00	0.00	83.55	3919.56
	12/13/01	4003.11	83.91		0.00	0.00	83.91	3919.20
	03/22/02	4003.11	84.08		0.00	0.00	84.08	3919.03
	09/16/02	4003.11	84.44		0.00	0.00	84.44	3918.67
	09/20/02	4003.11	84.44		0.00	0.00	84.44	3918.67
	04/05/04	4003.11	84.58		0.00	0.00	84.58	3918.53
	05/17/04	4003.11	89.30	84.65	4.65	3.72	85.58	3917.53
	05/24/04	4003.11	89.29	84.57	4.72	3.78	85.51	3917.60
	06/01/04	4003.11	89.31	84.67	4.64	3.71	85.60	3917.51

Table 2
Water Level Measurements
ConocoPhillips - Maljamar Gas Plant
Lea County, 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 cont.	06/07/04	4003.11	89.29	84.59	4.70	3.76	85.53	3917.58
	06/15/04	4003.11	89.37	84.70	4.67	3.74	85.63	3917.48
	06/21/04	4003.11	89.38	84.69	4.69	3.75	85.63	3917.48
	06/28/04	4003.11	89.51	84.92	4.59	3.67	85.84	3917.27
	07/06/04	4003.11	89.42	84.83	4.59	3.67	85.75	3917.36
	07/12/04	4003.11	89.51	84.89	4.62	3.70	85.81	3917.30
	07/19/04	4003.11	89.47	84.86	4.61	3.69	85.78	3917.33
	07/26/04	4003.11	89.58	85.00	4.58	3.66	85.92	3917.19
	08/02/04	4003.11	89.44	84.93	4.51	3.61	85.83	3917.28
	08/10/04	4003.11	89.53	85.10	4.43	3.54	85.99	3917.12
	08/16/04	4003.11	89.50	85.03	4.47	3.58	85.92	3917.19
	08/23/04	4003.11	89.27	84.87	4.40	3.52	85.75	3917.36
	08/30/04	4003.11	89.45	85.17	4.28	3.42	86.03	3917.08
	09/08/04	4003.11	89.48	85.12	4.36	3.49	85.99	3917.12
	10/08/04	4003.11	89.39	85.14	4.25	3.40	85.99	3917.12
	12/30/05	4003.11	89.24	85.25	3.99	3.19	86.05	3917.06
	01/17/05	4003.11	89.59	85.47	4.12	3.30	86.29	3916.82
	03/09/05	4003.11	89.58	85.47	4.11	3.29	86.29	3916.82
	04/05/05	4003.11	89.30	85.30	4.00	3.20	86.10	3917.01
	05/10/05	4003.11	89.42	85.29	4.13	3.30	86.12	3916.99
	06/08/05	4003.11	89.54	85.25	4.29	3.43	86.11	3917.00
	07/05/05	4003.11	89.72	85.53	4.19	3.35	86.37	3916.74
	08/08/05	4003.11	89.68	85.45	4.23	3.38	86.30	3916.81
	09/14/05	4003.11	89.63	85.44	4.19	3.35	86.28	3916.83
	10/12/05	4003.11	89.82	85.45	4.37	3.50	86.32	3916.79
	11/09/05	4003.11	89.88	85.47	4.41	3.53	86.35	3916.76
	12/14/05	4003.11	89.79	85.30	4.49	3.59	86.20	3916.91
	01/12/06	4003.11	89.73	85.18	4.55	3.64	86.09	3917.02
	02/02/06	4003.11	89.72	85.12	4.60	3.68	86.04	3917.07
	03/07/06	4003.11	89.84	85.22	4.62	3.70	86.14	3916.97
	04/05/06	4003.11	89.79	84.16	5.63	4.50	85.29	3917.82
	05/08/06	4003.11	89.68	85.05	4.63	3.70	85.98	3917.13
	06/05/06	4003.11	89.75	85.11	4.64	3.71	86.04	3917.07
	07/11/06	4003.11	89.75	85.13	4.62	3.70	86.05	3917.06
	08/16/06	4003.11	89.66	85.25	4.41	3.53	86.13	3916.98
	09/07/06	4003.11	89.51	85.20	4.31	3.45	86.06	3917.05
	10/11/06	4003.11	88.38	85.24	3.14	2.51	85.87	3917.24
	11/08/06	4003.11	89.26	85.15	4.11	3.29	85.97	3917.14
	12/04/06	4003.11	89.62	85.62	4.00	3.20	86.42	3916.69
	01/04/07	4003.11	89.14	85.18	3.96	3.17	85.97	3917.14
	02/27/07	4003.11	89.12	85.15	3.97	3.18	85.94	3917.17
	03/20/07	4003.11	89.11	85.32	3.79	3.03	86.08	3917.03
	04/17/07	4003.11	89.06	85.19	3.87	3.10	85.96	3917.15
	05/07/07	4003.11	89.15	85.25	3.90	3.12	86.03	3917.08
	06/27/07	4003.11	88.98	85.12	3.86	3.09	85.89	3917.22
	07/19/07	4003.11	89.01	85.04	3.97	3.18	85.83	3917.28
	08/21/07	4003.11	89.00	84.89	4.11	3.29	85.71	3917.40
	09/17/07	4003.11	88.97	84.94	4.03	3.22	85.75	3917.36
	10/16/07	4003.11	89.08	84.76	4.32	3.46	85.62	3917.49
	11/20/07	4003.11	89.10	84.77	4.33	3.46	85.64	3917.47
	12/21/07	4003.11	89.05	84.49	4.56	3.65	85.40	3917.71
	01/22/08	4003.11	89.18	84.79	4.39	3.51	85.67	3917.44
	02/27/08	4003.11	89.27	84.87	4.40	3.52	85.75	3917.36
	03/25/08	4003.11	88.02	84.89	3.13	2.50	85.52	3917.59
	04/29/08	4003.11	88.78	84.68	4.10	3.28	85.50	3917.61
	05/05/08	4003.11	88.88	84.68	4.20	3.36	85.52	3917.59
	06/10/08	4003.11	88.60	84.72	3.88	3.10	85.50	3917.61
	07/15/08	4003.11	88.15	84.50	3.65	2.92	85.23	3917.88
	08/19/08	4003.11	no data					
	09/16/08	4003.11	87.94	84.49	3.45	2.76	85.18	3917.93
	10/15/08	4003.11	86.74	85.10	1.64	1.31	85.43	3917.68
	11/12/08	4003.11	86.13	84.95	1.18	0.94	85.19	3917.92
	12/11/08	4003.11	86.07	85.07	1.00	0.80	85.27	3917.84
MW-10	12/13/01	4000.47	70.39		0.00	0.00	70.39	3930.08
	03/22/02	4000.47	70.76		0.00	0.00	70.76	3929.71
	09/16/02	4000.47	70.92		0.00	0.00	70.92	3929.55
	09/20/02	4000.47	70.79		0.00	0.00	70.79	3929.68
	09/04/03	4000.47	71.69		0.00	0.00	71.69	3928.78
	04/05/04	4000.47	71.87		0.00	0.00	71.87	3928.60

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10 cont.	05/17/04	4000.47	71.92		0.00	0.00	71.92	3928.55
	05/24/04	4000.47	71.85		0.00	0.00	71.85	3928.62
	06/01/04	4000.47	71.90		0.00	0.00	71.90	3928.57
	06/07/04	4000.47	71.83		0.00	0.00	71.83	3928.64
	06/15/04	4000.47	71.97		0.00	0.00	71.97	3928.50
	06/21/04	4000.47	71.94		0.00	0.00	71.94	3928.53
	06/28/04	4000.47	72.26		0.00	0.00	72.26	3928.21
	07/06/04	4000.47	72.14		0.00	0.00	72.14	3928.33
	07/12/04	4000.47	72.23		0.00	0.00	72.23	3928.24
	07/19/04	4000.47	72.19		0.00	0.00	72.19	3928.28
	07/26/04	4000.47	72.37		0.00	0.00	72.37	3928.10
	08/02/04	4000.47	72.25		0.00	0.00	72.25	3928.22
	08/10/04	4000.47	72.39		0.00	0.00	72.39	3928.08
	08/16/04	4000.47	72.36		0.00	0.00	72.36	3928.11
	08/23/04	4000.47	72.13		0.00	0.00	72.13	3928.34
	08/30/04	4000.47	72.37		0.00	0.00	72.37	3928.10
	09/08/04	4000.47	72.45		0.00	0.00	72.45	3928.02
	10/08/04	4000.47	72.45		0.00	0.00	72.45	3928.02
	12/30/05	4000.47	72.53		0.00	0.00	72.53	3927.94
	01/17/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	02/09/05	4000.47	72.82		0.00	0.00	72.82	3927.65
	03/09/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	04/05/05	4000.47	72.57		0.00	0.00	72.57	3927.90
	05/10/05	4000.47	72.63		0.00	0.00	72.63	3927.84
	06/08/05	4000.47	72.74		0.00	0.00	72.74	3927.73
	07/05/05	4000.47	73.01		0.00	0.00	73.01	3927.46
	08/08/05	4000.47	72.92		0.00	0.00	72.92	3927.55
	09/14/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	10/12/05	4000.47	72.97		0.00	0.00	72.97	3927.50
	11/09/05	4000.47	73.04		0.00	0.00	73.04	3927.43
	12/14/05	4000.47	72.84		0.00	0.00	72.84	3927.63
	01/12/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	02/02/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	03/07/06	4000.47	73.75		0.00	0.00	73.75	3926.72
	04/05/06	4000.47	72.66		0.00	0.00	72.66	3927.81
	05/08/06	4000.47	72.58		0.00	0.00	72.58	3927.89
	06/05/06	4000.47	72.69		0.00	0.00	72.69	3927.78
	07/11/06	4000.47	72.74		0.00	0.00	72.74	3927.73
	08/16/06	4000.47	72.68		0.00	0.00	72.68	3927.79
	09/07/06	4000.47	72.43		0.00	0.00	72.43	3928.04
	10/11/06	4000.47	72.36		0.00	0.00	72.36	3928.11
	11/08/06	4000.47	72.17		0.00	0.00	72.17	3928.30
	12/04/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	01/04/07	4000.47	71.95		0.00	0.00	71.95	3928.52
	02/27/07	4000.47	71.93		0.00	0.00	71.93	3928.54
	03/20/07	4000.47	72.09		0.00	0.00	72.09	3928.38
	04/17/07	4000.47	71.88		0.00	0.00	71.88	3928.59
	05/07/07	4000.47	72.10		0.00	0.00	72.10	3928.37
	06/27/07	4000.47	72.00		0.00	0.00	72.00	3928.47
	07/19/07	4000.47	71.89		0.00	0.00	71.89	3928.58
	08/21/07	4000.47	71.86		0.00	0.00	71.86	3928.61
	09/17/07	4000.47	71.82		0.00	0.00	71.82	3928.65
	10/16/07	4000.47	71.75		0.00	0.00	71.75	3928.72
	11/20/07	4000.47	71.79		0.00	0.00	71.79	3928.68
	12/21/07	4000.47	71.57		0.00	0.00	71.57	3928.90
	01/22/08	4000.47	72.00		0.00	0.00	72.00	3928.47
	02/27/08	4000.47	71.86		0.00	0.00	71.86	3928.61
	03/25/08	4000.47	71.69		0.00	0.00	71.69	3928.78
	04/29/08	4000.47	71.65		0.00	0.00	71.65	3928.82
	05/05/08	4000.47	71.64		0.00	0.00	71.64	3928.83
	06/10/08	4000.47	71.66		0.00	0.00	71.66	3928.81
	07/15/08	4000.47	71.66		0.00	0.00	71.66	3928.81
	08/19/08	4000.47	71.66		0.00	0.00	71.66	3928.81
	09/16/08	4000.47	71.90		0.00	0.00	71.90	3928.57
	10/15/08	4000.47	71.84		0.00	0.00	71.84	3928.63
	11/12/08	4000.47	71.60		0.00	0.00	71.60	3928.87
	12/11/08	4000.47	71.77		0.00	0.00	71.77	3928.70

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-11	12/13/01	4015.54	81.38		0.00	0.00	81.38	3934.16
	03/22/02	4015.54	83.60		0.00	0.00	83.60	3931.94
	09/16/02	4015.54	83.82		0.00	0.00	83.82	3931.72
	09/20/02	4015.54	83.70		0.00	0.00	83.70	3931.84
	09/04/03	4015.54	84.50		0.00	0.00	84.50	3931.04
	04/05/04	4015.54	84.54		0.00	0.00	84.54	3931.00
	05/17/04	4015.54	84.64		0.00	0.00	84.64	3930.90
	05/24/04	4015.54	84.55		0.00	0.00	84.55	3930.99
	06/01/04	4015.54	84.61		0.00	0.00	84.61	3930.93
	06/07/04	4015.54	84.58		0.00	0.00	84.58	3930.96
	06/15/04	4015.54	84.69		0.00	0.00	84.69	3930.85
	06/21/04	4015.54	84.72		0.00	0.00	84.72	3930.82
	06/28/04	4015.54	84.99		0.00	0.00	84.99	3930.55
	07/06/04	4015.54	84.83		0.00	0.00	84.83	3930.71
	07/12/04	4015.54	84.96		0.00	0.00	84.96	3930.58
	07/19/04	4015.54	84.90		0.00	0.00	84.90	3930.64
	07/26/04	4015.54	85.11		0.00	0.00	85.11	3930.43
	08/02/04	4015.54	84.96		0.00	0.00	84.96	3930.58
	08/10/04	4015.54	85.09		0.00	0.00	85.09	3930.45
	08/16/04	4015.54	85.06		0.00	0.00	85.06	3930.48
	08/23/04	4015.54	84.83		0.00	0.00	84.83	3930.71
	08/30/04	4015.54	85.06		0.00	0.00	85.06	3930.48
	09/08/04	4015.54	85.14		0.00	0.00	85.14	3930.40
	10/08/04	4015.54	85.12		0.00	0.00	85.12	3930.42
	12/30/05	4015.54	85.12		0.00	0.00	85.12	3930.42
	01/17/05	4015.54	85.52		0.00	0.00	85.52	3930.02
	02/09/05	4015.54	85.33		0.00	0.00	85.33	3930.21
	03/09/05	4015.54	85.45		0.00	0.00	85.45	3930.09
	04/05/05	4015.54	85.15		0.00	0.00	85.15	3930.39
	05/10/05	4015.54	85.21		0.00	0.00	85.21	3930.33
	06/08/05	4015.54	85.31		0.00	0.00	85.31	3930.23
	07/05/05	4015.54	85.59		0.00	0.00	85.59	3929.95
	08/08/05	4015.54	85.50		0.00	0.00	85.50	3930.04
	09/14/05	4015.54	85.42		0.00	0.00	85.42	3930.12
	10/12/05	4015.54	85.54		0.00	0.00	85.54	3930.00
	11/09/05	4015.54	85.62		0.00	0.00	85.62	3929.92
	12/14/05	4015.54	85.41		0.00	0.00	85.41	3930.13
	01/12/06	4015.54	85.26		0.00	0.00	85.26	3930.28
	02/02/06	4015.54	85.23		0.00	0.00	85.23	3930.31
	03/07/06	4015.54	85.44		0.00	0.00	85.44	3930.10
	04/05/06	4015.54	85.38		0.00	0.00	85.38	3930.16
	05/08/06	4015.54	85.33		0.00	0.00	85.33	3930.21
	06/05/06	4015.54	85.47		0.00	0.00	85.47	3930.07
	07/11/06	4015.54	85.48		0.00	0.00	85.48	3930.06
	08/16/06	4015.54	85.52		0.00	0.00	85.52	3930.02
	09/07/06	4015.54	85.43		0.00	0.00	85.43	3930.11
	10/11/06	4015.54	85.41		0.00	0.00	85.41	3930.13
	11/08/06	4015.54	85.31		0.00	0.00	85.31	3930.23
	12/04/06	4015.54	85.88		0.00	0.00	85.88	3929.66
	01/04/07	4015.54	85.20		0.00	0.00	85.20	3930.34
	02/27/07	4015.54	85.16		0.00	0.00	85.16	3930.38
	03/20/07	4015.54	85.33		0.00	0.00	85.33	3930.21
	04/17/07	4015.54	85.17		0.00	0.00	85.17	3930.37
	05/07/07	4015.54	85.40		0.00	0.00	85.40	3930.14
	06/27/07	4015.54	85.27		0.00	0.00	85.27	3930.27
	07/19/07	4015.54	85.13		0.00	0.00	85.13	3930.41
	08/21/07	4015.54	85.08		0.00	0.00	85.08	3930.46
	09/17/07	4015.54	85.05		0.00	0.00	85.05	3930.49
	10/16/07	4015.54	84.97		0.00	0.00	84.97	3930.57
	11/20/07	4015.54	85.02		0.00	0.00	85.02	3930.52
	12/21/07	4015.54	84.81		0.00	0.00	84.81	3930.73
	01/22/08	4015.54	85.27		0.00	0.00	85.27	3930.27
	02/27/08	4015.54	85.20		0.00	0.00	85.20	3930.34
	03/25/08	4015.54	84.99		0.00	0.00	84.99	3930.55
	04/29/08	4015.54	84.98		0.00	0.00	84.98	3930.56
	05/05/08	4015.54	84.93		0.00	0.00	84.93	3930.61
	06/10/08	4015.54	84.94		0.00	0.00	84.94	3930.60
	07/15/08	4015.54	84.90		0.00	0.00	84.90	3930.64
	08/19/08	4015.54	84.88		0.00	0.00	84.88	3930.66

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-11 cont.	09/16/08	4015.54	85.13		0.00	0.00	85.13	3930.41
	10/15/08	4015.54	85.03		0.00	0.00	85.03	3930.51
	11/12/08	4015.54	84.72		0.00	0.00	84.72	3930.82
	12/11/08	4015.54	84.92		0.00	0.00	84.92	3930.62
MW-12	12/13/01	4022.71	91.43		0.00	0.00	91.43	3931.28
	03/22/02	4022.71	94.38		0.00	0.00	94.38	3928.33
	09/16/02	4022.71	94.51		0.00	0.00	94.51	3928.20
	09/20/02	4022.71	94.31		0.00	0.00	94.31	3928.40
	04/05/04	4022.71	94.59		0.00	0.00	94.59	3928.12
	05/17/04	4022.71	94.60		0.00	0.00	94.60	3928.11
	05/24/04	4022.71	94.51		0.00	0.00	94.51	3928.20
	06/01/04	4022.71	94.53		0.00	0.00	94.53	3928.18
	06/07/04	4022.71	94.45		0.00	0.00	94.45	3928.26
	06/15/04	4022.71	94.56		0.00	0.00	94.56	3928.15
	06/21/04	4022.71	94.57		0.00	0.00	94.57	3928.14
	06/28/04	4022.71	94.84		0.00	0.00	94.84	3927.87
	07/06/04	4022.71	94.70		0.00	0.00	94.70	3928.01
	07/12/04	4022.71	94.80		0.00	0.00	94.80	3927.91
	07/19/04	4022.71	94.74		0.00	0.00	94.74	3927.97
	07/26/04	4022.71	94.92		0.00	0.00	94.92	3927.79
	08/02/04	4022.71	94.77		0.00	0.00	94.77	3927.94
	08/10/04	4022.71	94.88		0.00	0.00	94.88	3927.83
	08/16/04	4022.71	94.86		0.00	0.00	94.86	3927.85
	08/23/04	4022.71	94.60		0.00	0.00	94.60	3928.11
	08/30/04	4022.71	94.82		0.00	0.00	94.82	3927.89
	09/08/04	4022.71	94.89		0.00	0.00	94.89	3927.82
	10/08/04	4022.71	94.83		0.00	0.00	94.83	3927.88
	12/30/05	4022.71	94.72		0.00	0.00	94.72	3927.99
	01/17/05	4022.71	95.06		0.00	0.00	95.06	3927.65
	02/09/05	4022.71	94.94		0.00	0.00	94.94	3927.77
	03/09/05	4022.71	94.92		0.00	0.00	94.92	3927.79
	04/05/05	4022.71	94.58		0.00	0.00	94.58	3928.13
	05/10/05	4022.71	94.61		0.00	0.00	94.61	3928.10
	06/08/05	4022.71	94.58		0.00	0.00	94.58	3928.13
	07/05/05	4022.71	94.84		0.00	0.00	94.84	3927.87
	08/08/05	4022.71	94.78		0.00	0.00	94.78	3927.93
	09/14/05	4022.71	94.71		0.00	0.00	94.71	3928.00
	10/12/05	4022.71	94.82		0.00	0.00	94.82	3927.89
	11/09/05	4022.71	94.92		0.00	0.00	94.92	3927.79
	12/14/05	4022.71	94.70		0.00	0.00	94.70	3928.01
	01/12/06	4022.71	94.50		0.00	0.00	94.50	3928.21
	02/02/06	4022.71	94.58		0.00	0.00	94.58	3928.13
	03/07/06	4022.71	94.76		0.00	0.00	94.76	3927.95
	04/05/06	4022.71	94.67		0.00	0.00	94.67	3928.04
	05/08/06	4022.71	94.61		0.00	0.00	94.61	3928.10
	06/05/06	4022.71	94.77		0.00	0.00	94.77	3927.94
	07/11/06	4022.71	94.84		0.00	0.00	94.84	3927.87
	08/16/06	4022.71	94.93		0.00	0.00	94.93	3927.78
	09/07/06	4022.71	94.86		0.00	0.00	94.86	3927.85
	10/11/06	4022.71	94.86		0.00	0.00	94.86	3927.85
	11/08/06	4022.71	94.72		0.00	0.00	94.72	3927.99
	12/04/06	4022.71	95.35		0.00	0.00	95.35	3927.36
	01/04/07	4022.71	94.68		0.00	0.00	94.68	3928.03
	02/27/07	4022.71	94.73		0.00	0.00	94.73	3927.98
	03/20/07	4022.71	94.93		0.00	0.00	94.93	3927.78
	04/17/07	4022.71	94.73		0.00	0.00	94.73	3927.98
	05/07/07	4022.71	94.95		0.00	0.00	94.95	3927.76
	06/27/07	4022.71	94.42		0.00	0.00	94.42	3928.29
	07/19/07	4022.71	94.71		0.00	0.00	94.71	3928.00
	08/21/07	4022.71	94.77		0.00	0.00	94.77	3927.94
	09/17/07	4022.71	94.90		0.00	0.00	94.90	3927.81
	10/16/07	4022.71	98.83		0.00	0.00	98.83	3923.88
	11/20/07	4022.71	99.07		0.00	0.00	99.07	3923.64
	12/21/07*	4022.53	98.82		0.00	0.00	98.82	3923.71
	01/22/08	4022.53	97.14		0.00	0.00	97.14	3925.39
	02/27/08	4022.53	97.32		0.00	0.00	97.32	3925.21
	03/25/08	4022.53	98.91		0.00	0.00	98.91	3923.62
	04/29/08	4022.53	98.87		0.00	0.00	98.87	3923.66
	05/05/08	4022.53	98.82		0.00	0.00	98.82	3923.71

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-12 cont.	06/10/08	4022.53	98.63		0.00	0.00	98.63	3923.90
	07/15/08	4022.53	98.65		0.00	0.00	98.65	3923.88
	08/19/08	4022.53	98.43		0.00	0.00	98.43	3924.10
	09/16/08	4022.53	98.92		0.00	0.00	98.92	3923.61
	10/15/08	4022.53	98.84		0.00	0.00	98.84	3923.69
	11/12/08	4022.53	98.52		0.00	0.00	98.52	3924.01
	12/11/08	4022.53	98.48		0.00	0.00	98.48	3924.05
MW-13	12/13/01	4031.96	103.76		0.00	0.00	103.76	3928.20
	03/22/02	4031.96	107.18		0.00	0.00	107.18	3924.78
	09/16/02	4031.96	107.58		0.00	0.00	107.58	3924.38
	09/20/02	4031.96	107.48		0.00	0.00	107.48	3924.48
	04/05/04	4031.96	108.04		0.00	0.00	108.04	3923.92
	05/17/04	4031.96	108.06		0.00	0.00	108.06	3923.90
	05/24/04	4031.96	107.97		0.00	0.00	107.97	3923.99
	06/01/04	4031.96	107.97		0.00	0.00	107.97	3923.99
	06/07/04	4031.96	107.89		0.00	0.00	107.89	3924.07
	06/15/04	4031.96	107.99		0.00	0.00	107.99	3923.97
	06/21/04	4031.96	107.98		0.00	0.00	107.98	3923.98
	06/28/04	4031.96	108.29		0.00	0.00	108.29	3923.67
	07/06/04	4031.96	108.12		0.00	0.00	108.12	3923.84
	07/12/04	4031.96	108.22		0.00	0.00	108.22	3923.74
	07/19/04	4031.96	108.16		0.00	0.00	108.16	3923.80
	07/26/04	4031.96	108.34		0.00	0.00	108.34	3923.62
	08/02/04	4031.96	108.17		0.00	0.00	108.17	3923.79
	08/10/04	4031.96	108.29		0.00	0.00	108.29	3923.67
	08/16/04	4031.96	108.27		0.00	0.00	108.27	3923.69
	08/23/04	4031.96	108.01		0.00	0.00	108.01	3923.95
	08/30/04	4031.96	108.24		0.00	0.00	108.24	3923.72
	09/08/04	4031.96	108.31		0.00	0.00	108.31	3923.65
	10/08/04	4031.96	108.23		0.00	0.00	108.23	3923.73
	12/30/05	4031.96	108.12		0.00	0.00	108.12	3923.84
	01/17/05	4031.96	108.49		0.00	0.00	108.49	3923.47
	02/09/05	4031.96	108.38		0.00	0.00	108.38	3923.58
	03/09/05	4031.96	108.44		0.00	0.00	108.44	3923.52
	04/05/05	4031.96	108.04		0.00	0.00	108.04	3923.92
	05/10/05	4031.96	108.09		0.00	0.00	108.09	3923.87
	06/08/05	4031.96	108.18		0.00	0.00	108.18	3923.78
	07/05/05	4031.96	108.47		0.00	0.00	108.47	3923.49
	08/08/05	4031.96	108.37		0.00	0.00	108.37	3923.59
	09/14/05	4031.96	108.28		0.00	0.00	108.28	3923.68
	10/12/05	4031.96	108.42		0.00	0.00	108.42	3923.54
	11/09/05	4031.96	108.51		0.00	0.00	108.51	3923.45
	12/14/05	4031.96	108.31		0.00	0.00	108.31	3923.65
	01/12/06	4031.96	108.16		0.00	0.00	108.16	3923.80
	02/02/06	4031.96	108.17		0.00	0.00	108.17	3923.79
	03/07/06	4031.96	108.33		0.00	0.00	108.33	3923.63
	04/05/06	4031.96	108.22		0.00	0.00	108.22	3923.74
	05/08/06	4031.96	108.18		0.00	0.00	108.18	3923.78
	06/05/06	4031.96	108.30		0.00	0.00	108.30	3923.66
	07/11/06	4031.96	108.34		0.00	0.00	108.34	3923.62
	08/16/06	4031.96	108.43		0.00	0.00	108.43	3923.53
	09/07/06	4031.96	108.32		0.00	0.00	108.32	3923.64
	10/11/06	4031.96	108.31		0.00	0.00	108.31	3923.65
	11/08/06	4031.96	108.18		0.00	0.00	108.18	3923.78
	12/04/06	4031.96	108.79		0.00	0.00	108.79	3923.17
	01/04/07	4031.96	108.11		0.00	0.00	108.11	3923.85
	02/27/07	4031.96	108.16		0.00	0.00	108.16	3923.80
	03/20/07	4031.96	108.37		0.00	0.00	108.37	3923.59
	04/17/07	4031.96	108.13		0.00	0.00	108.13	3923.83
	05/07/07	4031.96	108.37		0.00	0.00	108.37	3923.59
	06/27/07	4031.96	108.23		0.00	0.00	108.23	3923.73
	07/19/07	4031.96	108.13		0.00	0.00	108.13	3923.83
	08/21/07	4031.96	108.10		0.00	0.00	108.10	3923.86
	09/17/07	4031.96	108.08		0.00	0.00	108.08	3923.88
	10/16/07	4031.96	108.03		0.00	0.00	108.03	3923.93
	11/20/07	4031.96	108.11		0.00	0.00	108.11	3923.85
	12/21/07	4031.96	107.92		0.00	0.00	107.92	3924.04
	01/22/08	4031.96	108.42		0.00	0.00	108.42	3923.54
	02/27/08	4031.96	108.40		0.00	0.00	108.40	3923.56

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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-13 cont.	03/25/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	04/29/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	05/05/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	06/10/08	4031.96	108.23		0.00	0.00	108.23	3923.73
	07/15/08	4031.96	108.23		0.00	0.00	108.23	3923.73
	08/19/08	4031.96	108.24		0.00	0.00	108.24	3923.72
	09/16/08	4031.96	108.52		0.00	0.00	108.52	3923.44
	10/15/08	4031.96	108.44		0.00	0.00	108.44	3923.52
	11/12/08	4031.96	108.15		0.00	0.00	108.15	3923.81
	12/11/08	4031.96	108.34		0.00	0.00	108.34	3923.62
MW-14	12/13/01	4006.98	74.67		0.00	0.00	74.67	3932.31
	03/22/02	4006.98	74.67		0.00	0.00	74.67	3932.31
	09/16/02	4006.98	74.56		0.00	0.00	74.56	3932.42
	09/20/02	4006.98	74.40		0.00	0.00	74.40	3932.58
	04/05/04	4006.98	75.20		0.00	0.00	75.20	3931.78
	05/17/04	4006.98	75.25		0.00	0.00	75.25	3931.73
	05/24/04	4006.98	75.17		0.00	0.00	75.17	3931.81
	06/01/04	4006.98	75.18		0.00	0.00	75.18	3931.80
	06/07/04	4006.98	75.12		0.00	0.00	75.12	3931.86
	06/15/04	4006.98	75.23		0.00	0.00	75.23	3931.75
	06/21/04	4006.98	75.24		0.00	0.00	75.24	3931.74
	06/28/04	4006.98	75.55		0.00	0.00	75.55	3931.43
	07/06/04	4006.98	75.37		0.00	0.00	75.37	3931.61
	07/12/04	4006.98	75.49		0.00	0.00	75.49	3931.49
	07/19/04	4006.98	75.43		0.00	0.00	75.43	3931.55
	07/26/04	4006.98	75.64		0.00	0.00	75.64	3931.34
	08/02/04	4006.98	75.49		0.00	0.00	75.49	3931.49
	08/10/04	4006.98	75.62		0.00	0.00	75.62	3931.36
	08/16/04	4006.98	75.59		0.00	0.00	75.59	3931.39
	08/23/04	4006.98	75.32		0.00	0.00	75.32	3931.66
	08/30/04	4006.98	75.57		0.00	0.00	75.57	3931.41
	09/08/04	4006.98	75.65		0.00	0.00	75.65	3931.33
	10/08/04	4006.98	75.61		0.00	0.00	75.61	3931.37
	12/30/05	4006.98	75.45		0.00	0.00	75.45	3931.53
	01/17/05	4006.98	75.74		0.00	0.00	75.74	3931.24
	02/09/05	4006.98	75.46		0.00	0.00	75.46	3931.52
	03/09/05	4006.98	75.37		0.00	0.00	75.37	3931.61
	04/05/05	4006.98	74.84		0.00	0.00	74.84	3932.14
	05/10/05	4006.98	74.72		0.00	0.00	74.72	3932.26
	06/08/05	4006.98	74.71		0.00	0.00	74.71	3932.27
	07/05/05	4006.98	74.93		0.00	0.00	74.93	3932.05
	08/08/05	4006.98	74.78		0.00	0.00	74.78	3932.20
	09/14/05	4006.98	74.62		0.00	0.00	74.62	3932.36
	10/12/05	4006.98	74.69		0.00	0.00	74.69	3932.29
	11/09/05	4006.98	74.69		0.00	0.00	74.69	3932.29
	12/14/05	4006.98	74.29		0.00	0.00	74.29	3932.69
	01/12/06	4006.98	74.01		0.00	0.00	74.01	3932.97
	02/02/06	4006.98	73.91		0.00	0.00	73.91	3933.07
	03/07/06	4006.98	73.97		0.00	0.00	73.97	3933.01
	04/05/06	4006.98	73.80		0.00	0.00	73.80	3933.18
	05/08/06	4006.98	73.69		0.00	0.00	73.69	3933.29
	06/05/06	4006.98	73.78		0.00	0.00	73.78	3933.20
	07/11/06	4006.98	73.83		0.00	0.00	73.83	3933.15
	08/16/06	4006.98	73.94		0.00	0.00	73.94	3933.04
	09/07/06	4006.98	72.93		0.00	0.00	72.93	3934.05
	10/11/06	4006.98	73.95		0.00	0.00	73.95	3933.03
	11/08/06	4006.98	73.88		0.00	0.00	73.88	3933.10
	12/04/06	4006.98	74.53		0.00	0.00	74.53	3932.45
	01/04/07	4006.98	73.79		0.00	0.00	73.79	3933.19
	02/27/07	4006.98	73.73		0.00	0.00	73.73	3933.25
	03/20/07	4006.98	73.90		0.00	0.00	73.90	3933.08
	04/17/07	4006.98	73.68		0.00	0.00	73.68	3933.30
	05/07/07	4006.98	73.88		0.00	0.00	73.88	3933.10
	06/27/07	4006.98	73.80		0.00	0.00	73.80	3933.18
	07/19/07	4006.98	73.69		0.00	0.00	73.69	3933.29
	08/21/07	4006.98	73.61		0.00	0.00	73.61	3933.37
	09/17/07	4006.98	73.54		0.00	0.00	73.54	3933.44
	10/16/07	4006.98	73.39		0.00	0.00	73.39	3933.59
	11/20/07	4006.98	73.34		0.00	0.00	73.34	3933.64

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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 cont.	12/21/07	4006.98	73.05		0.00	0.00	73.05	3933.93
	01/22/08	4006.98	73.44		0.00	0.00	73.44	3933.54
	02/27/08	4006.98	73.37		0.00	0.00	73.37	3933.61
	03/25/08	4006.98	73.17		0.00	0.00	73.17	3933.81
	04/29/08	4006.98	73.16		0.00	0.00	73.16	3933.82
	05/05/08	4006.98	73.14		0.00	0.00	73.14	3933.84
	06/10/08	4006.98	73.16		0.00	0.00	73.16	3933.82
	07/15/08	4006.98	73.25		0.00	0.00	73.25	3933.73
	08/19/08	4006.98	73.32		0.00	0.00	73.32	3933.66
	09/16/08	4006.98	73.68		0.00	0.00	73.68	3933.30
	10/15/08	4006.98	73.67		0.00	0.00	73.67	3933.31
MW-15	11/12/08	4006.98	73.44		0.00	0.00	73.44	3933.54
	12/11/08	4006.98	73.69		0.00	0.00	73.69	3933.29
	09/20/02	4026.75	118.93		0.00	0.00	118.93	3907.82
	04/05/04	4026.75	119.65		0.00	0.00	119.65	3907.10
	05/17/04	4026.75	119.56		0.00	0.00	119.56	3907.19
	05/24/04	4026.75	119.63		0.00	0.00	119.63	3907.12
	06/01/04	4026.75	119.62		0.00	0.00	119.62	3907.13
	06/07/04	4026.75	119.63		0.00	0.00	119.63	3907.12
	06/15/04	4026.75	119.66		0.00	0.00	119.66	3907.09
	06/21/04	4026.75	119.69		0.00	0.00	119.69	3907.06
	06/28/04	4026.75	119.78		0.00	0.00	119.78	3906.97
	07/06/04	4026.75	119.77		0.00	0.00	119.77	3906.98
	07/12/04	4026.75	119.79		0.00	0.00	119.79	3906.96
	07/19/04	4026.75	119.80		0.00	0.00	119.80	3906.95
	07/26/04	4026.75	119.86		0.00	0.00	119.86	3906.89
	08/02/04	4026.75	119.83		0.00	0.00	119.83	3906.92
	08/10/04	4026.75	119.87		0.00	0.00	119.87	3906.88
	08/16/04	4026.75	119.88		0.00	0.00	119.88	3906.87
	08/23/04	4026.75	119.82		0.00	0.00	119.82	3906.93
	08/30/04	4026.75	119.88		0.00	0.00	119.88	3906.87
	09/08/04	4026.75	119.92		0.00	0.00	119.92	3906.83
	10/08/04	4026.75	119.94		0.00	0.00	119.94	3906.81
	12/30/05	4026.75	120.03		0.00	0.00	120.03	3906.72
	01/17/05	4026.75	120.12		0.00	0.00	120.12	3906.63
	02/09/05	4026.75	120.12		0.00	0.00	120.12	3906.63
	03/09/05	4026.75	120.14		0.00	0.00	120.14	3906.61
	04/05/05	4026.75	120.05		0.00	0.00	120.05	3906.70
	05/10/05	4026.75	120.11		0.00	0.00	120.11	3906.64
	06/08/05	4026.75	120.14		0.00	0.00	120.14	3906.61
	07/05/05	4026.75	120.24		0.00	0.00	120.24	3906.51
	08/08/05	4026.75	120.33		0.00	0.00	120.33	3906.42
	09/14/05	4026.75	120.33		0.00	0.00	120.33	3906.42
	10/12/05	4026.75	120.37		0.00	0.00	120.37	3906.38
	11/09/05	4026.75	120.42		0.00	0.00	120.42	3906.33
	12/14/05	4026.75	120.43		0.00	0.00	120.43	3906.32
	01/12/06	4026.75	120.42		0.00	0.00	120.42	3906.33
	02/02/06	4026.75	120.43		0.00	0.00	120.43	3906.32
	03/07/06	4026.75	120.50		0.00	0.00	120.50	3906.25
	04/05/06	4026.75	120.48		0.00	0.00	120.48	3906.27
	05/08/06	4026.75	120.45		0.00	0.00	120.45	3906.30
	06/05/06	4026.75	120.54		0.00	0.00	120.54	3906.21
	07/11/06	4026.75	120.65		0.00	0.00	120.65	3906.10
	08/16/06	4026.75	120.68		0.00	0.00	120.68	3906.07
	09/07/06	4026.75	120.71		0.00	0.00	120.71	3906.04
	10/11/06	4026.75	120.75		0.00	0.00	120.75	3906.00
	11/08/06	4026.75	120.76		0.00	0.00	120.76	3905.99
	12/04/06	4026.75	120.76		0.00	0.00	120.76	3905.99
	01/04/07	4026.75	120.80		0.00	0.00	120.80	3905.95
	02/27/07	4026.75	120.83		0.00	0.00	120.83	3905.92
	03/20/07	4026.75	120.90		0.00	0.00	120.90	3905.85
	04/17/07	4026.75	120.86		0.00	0.00	120.86	3905.89
	05/07/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	06/27/07	4026.75	120.81		0.00	0.00	120.81	3905.94
	07/19/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	08/21/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	09/17/07	4026.75	120.93		0.00	0.00	120.93	3905.82
	10/16/07	4026.75	120.95		0.00	0.00	120.95	3905.80
	11/20/07	4026.75	121.06		0.00	0.00	121.06	3905.69

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-15 cont.	12/21/07	4026.75	121.08		0.00	0.00	121.08	3905.67
	01/22/08	4026.75	121.18		0.00	0.00	121.18	3905.57
	02/27/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	03/25/08	4026.75	121.22		0.00	0.00	121.22	3905.53
	04/29/08	4026.75	121.21		0.00	0.00	121.21	3905.54
	05/05/08	4026.75	121.20		0.00	0.00	121.20	3905.55
	06/10/08	4026.75	121.24		0.00	0.00	121.24	3905.51
	07/15/08	4026.75	121.31		0.00	0.00	121.31	3905.44
	08/19/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	09/16/08	4026.75	121.54		0.00	0.00	121.54	3905.21
	10/15/08	4026.75	121.43		0.00	0.00	121.43	3905.32
	11/12/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	12/11/08	4026.75	121.47		0.00	0.00	121.47	3905.28
MW-16	09/20/02	4017.74	113.50		0.00	0.00	113.50	3904.24
	04/05/04	4017.74	113.88		0.00	0.00	113.88	3903.86
	05/17/04	4017.74	113.92		0.00	0.00	113.92	3903.82
	05/24/04	4017.74	113.83		0.00	0.00	113.83	3903.91
	06/01/04	4017.74	113.89		0.00	0.00	113.89	3903.85
	06/07/04	4017.74	113.80		0.00	0.00	113.80	3903.94
	06/15/04	4017.74	113.88		0.00	0.00	113.88	3903.86
	06/21/04	4017.74	113.90		0.00	0.00	113.90	3903.84
	06/28/04	4017.74	114.18		0.00	0.00	114.18	3903.56
	07/06/04	4017.74	114.01		0.00	0.00	114.01	3903.73
	07/12/04	4017.74	114.13		0.00	0.00	114.13	3903.61
	07/19/04	4017.74	114.06		0.00	0.00	114.06	3903.68
	07/26/04	4017.74	114.22		0.00	0.00	114.22	3903.52
	08/02/04	4017.74	114.07		0.00	0.00	114.07	3903.67
	08/10/04	4017.74	114.21		0.00	0.00	114.21	3903.53
	08/16/04	4017.74	114.08		0.00	0.00	114.08	3903.66
	08/23/04	4017.74	113.97		0.00	0.00	113.97	3903.77
	08/30/04	4017.74	114.13		0.00	0.00	114.13	3903.61
	09/08/04	4017.74	114.21		0.00	0.00	114.21	3903.53
	10/08/04	4017.74	114.15		0.00	0.00	114.15	3903.59
	12/30/04	4017.74	114.03		0.00	0.00	114.03	3903.71
	01/17/05	4017.74	114.39		0.00	0.00	114.39	3903.35
	02/09/05	4017.74	114.26		0.00	0.00	114.26	3903.48
	03/09/05	4017.74	114.29		0.00	0.00	114.29	3903.45
	04/05/05	4017.74	113.94		0.00	0.00	113.94	3903.80
	05/10/05	4017.74	114.01		0.00	0.00	114.01	3903.73
	06/08/05	4017.74	114.10		0.00	0.00	114.10	3903.64
	07/05/05	4017.74	114.40		0.00	0.00	114.40	3903.34
	08/08/05	4017.74	114.33		0.00	0.00	114.33	3903.41
	09/14/05	4017.74	114.24		0.00	0.00	114.24	3903.50
	10/12/05	4017.74	114.38		0.00	0.00	114.38	3903.36
	11/09/05	4017.74	114.48		0.00	0.00	114.48	3903.26
	12/14/05	4017.74	114.27		0.00	0.00	114.27	3903.47
	01/12/06	4017.74	114.17		0.00	0.00	114.17	3903.57
	02/02/06	4017.74	114.17		0.00	0.00	114.17	3903.57
	03/07/06	4017.74	114.36		0.00	0.00	114.36	3903.38
	04/05/06	4017.74	114.28		0.00	0.00	114.28	3903.46
	05/08/06	4017.74	114.25		0.00	0.00	114.25	3903.49
	06/05/06	4017.74	114.38		0.00	0.00	114.38	3903.36
	07/11/06	4017.74	114.47		0.00	0.00	114.47	3903.27
	08/16/06	4017.74	114.58		0.00	0.00	114.58	3903.16
	09/07/06	4017.74	114.49		0.00	0.00	114.49	3903.25
	10/11/06	4017.74	114.51		0.00	0.00	114.51	3903.23
	11/08/06	4017.74	114.40		0.00	0.00	114.40	3903.34
	12/04/06	4017.74	115.00		0.00	0.00	115.00	3902.74
	01/04/07	4017.74	114.38		0.00	0.00	114.38	3903.36
	02/27/07	4017.74	114.41		0.00	0.00	114.41	3903.33
	03/20/07	4017.74	114.67		0.00	0.00	114.67	3903.07
	04/17/07	4017.74	114.47		0.00	0.00	114.47	3903.27
	05/07/07	4017.74	114.71		0.00	0.00	114.71	3903.03
	06/27/07	4017.74	114.65		0.00	0.00	114.65	3903.09
	07/19/07	4017.74	114.58		0.00	0.00	114.58	3903.16
	08/21/07	4017.74	114.56		0.00	0.00	114.56	3903.18
	09/17/07	4017.74	114.57		0.00	0.00	114.57	3903.17
	10/16/07	4017.74	114.51		0.00	0.00	114.51	3903.23
	11/20/07	4017.74	114.63		0.00	0.00	114.63	3903.11

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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-16 cont.	12/21/07	4017.74	114.46		0.00	0.00	114.46	3903.28
	01/22/08	4017.74	114.95		0.00	0.00	114.95	3902.79
	02/27/08	4017.74	114.99		0.00	0.00	114.99	3902.75
	03/25/08	4017.74	114.84		0.00	0.00	114.84	3902.90
	04/29/08	4017.74	114.87		0.00	0.00	114.87	3902.87
	05/05/08	4017.74	114.84		0.00	0.00	114.84	3902.90
	06/10/08	4017.74	114.86		0.00	0.00	114.86	3902.88
	07/15/08	4017.74	114.92		0.00	0.00	114.92	3902.82
	08/19/08	4017.74	114.94		0.00	0.00	114.94	3902.80
	09/16/08	4017.74	115.19		0.00	0.00	115.19	3902.55
	10/15/08	4017.74	115.15		0.00	0.00	115.15	3902.59
	11/12/08	4017.74	115.20		0.00	0.00	115.20	3902.54
	12/11/08	4017.74	115.06		0.00	0.00	115.06	3902.68
MW-17	09/20/02	3998.58	97.36		0.00	0.00	97.36	3901.22
	04/05/04	3998.58	97.28		0.00	0.00	97.28	3901.30
	05/17/04	3998.58	97.37		0.00	0.00	97.37	3901.21
	05/24/04	3998.58	97.35		0.00	0.00	97.35	3901.23
	06/01/04	3998.58	97.33		0.00	0.00	97.33	3901.25
	06/07/04	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/15/04	3998.58	97.39		0.00	0.00	97.39	3901.19
	06/21/04	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/28/04	3998.58	97.51		0.00	0.00	97.51	3901.07
	07/06/04	3998.58	97.45		0.00	0.00	97.45	3901.13
	07/12/04	3998.58	97.53		0.00	0.00	97.53	3901.05
	07/19/04	3998.58	97.49		0.00	0.00	97.49	3901.09
	07/26/04	3998.58	97.55		0.00	0.00	97.55	3901.03
	08/02/04	3998.58	97.51		0.00	0.00	97.51	3901.07
	08/10/04	3998.58	97.55		0.00	0.00	97.55	3901.03
	08/16/04	3998.58	97.56		0.00	0.00	97.56	3901.02
	08/23/04	3998.58	97.49		0.00	0.00	97.49	3901.09
	08/30/04	3998.58	97.53		0.00	0.00	97.53	3901.05
	09/08/04	3998.58	97.56		0.00	0.00	97.56	3901.02
	10/08/04	3998.58	97.58		0.00	0.00	97.58	3901.00
	12/30/05	3998.58	97.61		0.00	0.00	97.61	3900.97
	01/17/05	3998.58	97.72		0.00	0.00	97.72	3900.86
	02/09/05	3998.58	97.63		0.00	0.00	97.63	3900.95
	03/09/05	3998.58	97.68		0.00	0.00	97.68	3900.90
	04/05/05	3998.58	97.32		0.00	0.00	97.32	3901.26
	05/10/05	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/08/05	3998.58	97.59		0.00	0.00	97.59	3900.99
	07/05/05	3998.58	97.68		0.00	0.00	97.68	3900.90
	08/08/05	3998.58	97.70		0.00	0.00	97.70	3900.88
	09/14/05	3998.58	96.62		0.00	0.00	96.62	3901.96
	10/12/05	3998.58	97.76		0.00	0.00	97.76	3900.82
	11/09/05	3998.58	97.79		0.00	0.00	97.79	3900.79
	12/14/05	3998.58	97.66		0.00	0.00	97.66	3900.92
	01/12/06	3998.58	97.77		0.00	0.00	97.77	3900.81
	02/02/06	3998.58	97.50		0.00	0.00	97.50	3901.08
	03/07/06	3998.58	97.79		0.00	0.00	97.79	3900.79
	04/05/06	3998.58	97.53		0.00	0.00	97.53	3901.05
	05/08/06	3998.58	97.59		0.00	0.00	97.59	3900.99
	06/05/06	3998.58	97.74		0.00	0.00	97.74	3900.84
	07/11/06	3998.58	97.83		0.00	0.00	97.83	3900.75
	08/16/06	3998.58	98.87		0.00	0.00	98.87	3899.71
	09/07/06	3998.58	97.88		0.00	0.00	97.88	3900.70
	10/11/06	3998.58	97.83		0.00	0.00	97.83	3900.75
	11/08/06	3998.58	97.95		0.00	0.00	97.95	3900.63
	12/04/06	3998.58	98.25		0.00	0.00	98.25	3900.33
	01/04/07	3998.58	97.77		0.00	0.00	97.77	3900.81
	02/27/07	3998.58	97.76		0.00	0.00	97.76	3900.82
	03/20/07	3998.58	97.94		0.00	0.00	97.94	3900.64
	04/17/07	3998.58	97.85		0.00	0.00	97.85	3900.73
	05/07/07	3998.58	97.98		0.00	0.00	97.98	3900.60
	06/27/07	3998.58	97.86		0.00	0.00	97.86	3900.72
	07/19/07	3998.58	97.88		0.00	0.00	97.88	3900.70
	08/21/07	3998.58	97.81		0.00	0.00	97.81	3900.77
	09/17/07	3998.58	97.90		0.00	0.00	97.90	3900.68
	10/16/07	3998.58	97.91		0.00	0.00	97.91	3900.67
	11/20/07	3998.58	97.94		0.00	0.00	97.94	3900.64

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-17 cont.	12/21/07	3998.58	98.05		0.00	0.00	98.05	3900.53
	01/22/08	3998.58	98.08		0.00	0.00	98.08	3900.50
	02/27/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	03/25/08	3998.58	98.18		0.00	0.00	98.18	3900.40
	04/29/08	3998.58	98.15		0.00	0.00	98.15	3900.43
	05/05/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	06/10/08	3998.58	98.84		0.00	0.00	98.84	3899.74
	07/15/08	3998.58	98.09		0.00	0.00	98.09	3900.49
	08/19/08	3998.58	98.14		0.00	0.00	98.14	3900.44
	09/16/08	3998.58	98.21		0.00	0.00	98.21	3900.37
	10/15/08	3998.58	98.25		0.00	0.00	98.25	3900.33
	11/12/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	12/11/08	3998.58	98.19		0.00	0.00	98.19	3900.39
MW-18	09/20/02	3980.46	86.62		0.00	0.00	86.62	3893.84
	04/05/04	3980.46	86.61		0.00	0.00	86.61	3893.85
	05/17/04	3980.46	86.63		0.00	0.00	86.63	3893.83
	05/24/04	3980.46	86.58		0.00	0.00	86.58	3893.88
	06/01/04	3980.46	86.57		0.00	0.00	86.57	3893.89
	06/07/04	3980.46	86.50		0.00	0.00	86.50	3893.96
	06/15/04	3980.46	86.59		0.00	0.00	86.59	3893.87
	06/21/04	3980.46	86.60		0.00	0.00	86.60	3893.86
	06/28/04	3980.46	86.79		0.00	0.00	86.79	3893.67
	07/06/04	3980.46	86.74		0.00	0.00	86.74	3893.72
	07/12/04	3980.46	86.77		0.00	0.00	86.77	3893.69
	07/19/04	3980.46	86.76		0.00	0.00	86.76	3893.70
	07/26/04	3980.46	86.91		0.00	0.00	86.91	3893.55
	08/02/04	3980.46	86.81		0.00	0.00	86.81	3893.65
	08/10/04	3980.46	86.93		0.00	0.00	86.93	3893.53
	08/16/04	3980.46	86.90		0.00	0.00	86.90	3893.56
	08/23/04	3980.46	86.63		0.00	0.00	86.63	3893.83
	08/30/04	3980.46	86.86		0.00	0.00	86.86	3893.60
	09/08/04	3980.46	86.92		0.00	0.00	86.92	3893.54
	10/08/04	3980.46	86.87		0.00	0.00	86.87	3893.59
	12/30/05	3980.46	86.74		0.00	0.00	86.74	3893.72
	01/17/05	3980.46	87.09		0.00	0.00	87.09	3893.37
	02/09/05	3980.46	86.97		0.00	0.00	86.97	3893.49
	03/09/05	3980.46	86.98		0.00	0.00	86.98	3893.48
	04/05/05	3980.46	86.64		0.00	0.00	86.64	3893.82
	05/10/05	3980.46	86.68		0.00	0.00	86.68	3893.78
	06/08/05	3980.46	86.75		0.00	0.00	86.75	3893.71
	07/05/05	3980.46	87.03		0.00	0.00	87.03	3893.43
	08/08/05	3980.46	86.97		0.00	0.00	86.97	3893.49
	09/14/05	3980.46	86.89		0.00	0.00	86.89	3893.57
	10/12/05	3980.46	87.03		0.00	0.00	87.03	3893.43
	11/09/05	3980.46	87.13		0.00	0.00	87.13	3893.33
	12/14/05	3980.46	86.93		0.00	0.00	86.93	3893.53
	01/12/06	3980.46	86.79		0.00	0.00	86.79	3893.67
	02/02/06	3980.46	86.80		0.00	0.00	86.80	3893.66
	03/07/06	3980.46	86.98		0.00	0.00	86.98	3893.48
	04/05/06	3980.46	86.91		0.00	0.00	86.91	3893.55
	05/08/06	3980.46	86.86		0.00	0.00	86.86	3893.60
	06/05/06	3980.46	87.00		0.00	0.00	87.00	3893.46
	07/11/06	3980.46	87.08		0.00	0.00	87.08	3893.38
	08/16/06	3980.46	87.19		0.00	0.00	87.19	3893.27
	09/07/06	3980.46	87.13		0.00	0.00	87.13	3893.33
	10/11/06	3980.46	87.14		0.00	0.00	87.14	3893.32
	11/08/06	3980.46	87.06		0.00	0.00	87.06	3893.40
	12/04/06	3980.46	87.66		0.00	0.00	87.66	3892.80
	01/04/07	3980.46	87.13		0.00	0.00	87.13	3893.33
	02/27/07	3980.46	87.05		0.00	0.00	87.05	3893.41
	03/20/07	3980.46	87.31		0.00	0.00	87.31	3893.15
	04/17/07	3980.46	87.12		0.00	0.00	87.12	3893.34
	05/07/07	3980.46	87.36		0.00	0.00	87.36	3893.10
	06/17/07	3980.46	87.29		0.00	0.00	87.29	3893.17
	07/19/07	3980.46	87.21		0.00	0.00	87.21	3893.25
	08/21/07	3980.46	87.19		0.00	0.00	87.19	3893.27
	09/17/07	3980.46	87.22		0.00	0.00	87.22	3893.24
	10/16/07	3980.46	87.17		0.00	0.00	87.17	3893.29

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-18 cont.	11/20/07	3980.46	87.23		0.00	0.00	87.23	3893.23
	12/21/07	3980.46	87.07		0.00	0.00	87.07	3893.39
	01/22/08	3980.46	87.56		0.00	0.00	87.56	3892.90
	02/26/08	3980.46	87.58		0.00	0.00	87.58	3892.88
	03/25/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	04/29/08	3980.46	87.46		0.00	0.00	87.46	3893.00
	05/05/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	06/10/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	07/15/08	3980.46	87.48		0.00	0.00	87.48	3892.98
	08/19/08	3980.46	87.50		0.00	0.00	87.50	3892.96
	09/16/08	3980.46	87.81		0.00	0.00	87.81	3892.65
	10/15/08	3980.46	no data					
MW-19	11/12/08	3980.46	87.46		0.00	0.00	87.46	3893.00
	12/11/08	3980.46	87.69		0.00	0.00	87.69	3892.77
	09/20/02	4037.34	117.23		0.00	0.00	116.67	3920.67
	04/05/04	4037.34	116.67		0.00	0.00	116.67	3920.67
	05/17/04	4037.34	116.62		0.00	0.00	116.62	3920.72
	05/24/04	4037.34	116.59		0.00	0.00	116.59	3920.75
	06/01/04	4037.34	116.57		0.00	0.00	116.57	3920.77
	06/07/04	4037.34	116.59		0.00	0.00	116.59	3920.75
	06/15/04	4037.34	116.53		0.00	0.00	116.53	3920.81
	06/21/04	4037.34	116.63		0.00	0.00	116.63	3920.71
	06/28/04	4037.34	116.68		0.00	0.00	116.68	3920.66
	07/06/04	4037.34	116.65		0.00	0.00	116.65	3920.69
	07/12/04	4037.34	116.66		0.00	0.00	116.66	3920.68
	07/19/04	4037.34	116.68		0.00	0.00	116.68	3920.66
	07/26/04	4037.34	116.73		0.00	0.00	116.73	3920.61
	08/02/04	4037.34	116.71		0.00	0.00	116.71	3920.63
	08/10/04	4037.34	116.71		0.00	0.00	116.71	3920.63
	08/16/04	4037.34	116.74		0.00	0.00	116.74	3920.60
	08/23/04	4037.34	116.69		0.00	0.00	116.69	3920.65
	08/30/04	4037.34	116.69		0.00	0.00	116.69	3920.65
	09/08/04	4037.34	116.73		0.00	0.00	116.73	3920.61
	10/08/04	4037.34	116.78		0.00	0.00	116.78	3920.56
	12/30/05	4037.34	116.76		0.00	0.00	116.76	3920.58
	01/17/05	4037.34	116.78		0.00	0.00	116.78	3920.56
	02/09/05	4037.34	116.76		0.00	0.00	116.76	3920.58
	03/09/05	4037.34	116.70		0.00	0.00	116.70	3920.64
	04/05/05	4037.34	116.64		0.00	0.00	116.64	3920.70
	05/10/05	4037.34	116.63		0.00	0.00	116.63	3920.71
	06/08/05	4037.34	116.57		0.00	0.00	116.57	3920.77
	07/05/05	4037.34	116.64		0.00	0.00	116.64	3920.70
	08/08/05	4037.34	116.77		0.00	0.00	116.77	3920.57
	09/15/05	4037.34	116.71		0.00	0.00	116.71	3920.63
	10/12/05	4037.34	116.70		0.00	0.00	116.70	3920.64
	11/09/05	4037.34	116.74		0.00	0.00	116.74	3920.60
	12/14/05	4037.34	116.74		0.00	0.00	116.74	3920.60
	01/12/06	4037.34	116.73		0.00	0.00	116.73	3920.61
	02/02/06	4037.34	116.70		0.00	0.00	116.70	3920.64
	03/07/06	4037.34	116.72		0.00	0.00	116.72	3920.62
	04/05/06	4037.34	116.68		0.00	0.00	116.68	3920.66
	05/08/06	4037.34	116.61		0.00	0.00	116.61	3920.73
	06/05/06	4037.34	116.66		0.00	0.00	116.66	3920.68
	07/11/06	4037.34	116.73		0.00	0.00	116.73	3920.61
	08/16/06	4037.34	116.74		0.00	0.00	116.74	3920.60
	09/07/06	4037.34	116.74		0.00	0.00	116.74	3920.60
	10/11/06	4037.34	116.80		0.00	0.00	116.80	3920.54
	11/08/06	4037.34	116.79		0.00	0.00	116.79	3920.55
	12/04/06	4037.34	116.90		0.00	0.00	116.90	3920.44
	01/04/07	4037.34	116.65		0.00	0.00	116.65	3920.69
	02/27/07	4037.34	116.71		0.00	0.00	116.71	3920.63
	03/20/07	4037.34	116.76		0.00	0.00	116.76	3920.58
	04/17/07	4037.34	116.61		0.00	0.00	116.61	3920.73
	05/07/07	4037.34	116.66		0.00	0.00	116.66	3920.68
	06/27/07	4037.34	116.59		0.00	0.00	116.59	3920.75
	07/19/07	4037.34	116.65		0.00	0.00	116.65	3920.69
	08/21/07	4037.34	116.63		0.00	0.00	116.63	3920.71
	09/17/07	4037.34	116.70		0.00	0.00	116.70	3920.64
	10/16/07	4037.34	116.66		0.00	0.00	116.66	3920.68

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-19 cont.	11/20/07	4037.34	116.78		0.00	0.00	116.78	3920.56
	12/21/07	4037.34	116.64		0.00	0.00	116.64	3920.70
	01/22/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	02/27/08	4037.34	117.04		0.00	0.00	117.04	3920.30
	03/25/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	04/29/08	4037.34	116.89		0.00	0.00	116.89	3920.45
	05/05/08	4037.34	116.82		0.00	0.00	116.82	3920.52
	06/10/08	4037.34	116.79		0.00	0.00	116.79	3920.55
	07/15/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	08/19/08	4037.34	116.89		0.00	0.00	116.89	3920.45
	09/16/08	4037.34	117.17		0.00	0.00	117.17	3920.17
	10/15/08	4037.34	117.09		0.00	0.00	117.09	3920.25
	11/12/08	4037.34	116.82		0.00	0.00	116.82	3920.52
	12/11/08	4037.34	117.09		0.00	0.00	117.09	3920.25
MW-20	09/20/02	3976.92	75.90		0.00	0.00	75.90	3901.02
	04/05/04	3976.92	76.13		0.00	0.00	76.13	3900.79
	05/17/04	3976.92	76.16		0.00	0.00	76.16	3900.76
	05/24/04	3976.92	76.11		0.00	0.00	76.11	3900.81
	06/01/04	3976.92	76.14		0.00	0.00	76.14	3900.78
	06/07/04	3976.92	76.10		0.00	0.00	76.10	3900.82
	06/15/04	3976.92	76.17		0.00	0.00	76.17	3900.75
	06/21/04	3976.92	76.15		0.00	0.00	76.15	3900.77
	06/28/04	3976.92	76.36		0.00	0.00	76.36	3900.56
	07/06/04	3976.92	76.24		0.00	0.00	76.24	3900.68
	07/12/04	3976.92	76.31		0.00	0.00	76.31	3900.61
	07/19/04	3976.92	76.26		0.00	0.00	76.26	3900.66
	07/26/04	3976.92	76.41		0.00	0.00	76.41	3900.51
	08/02/04	3976.92	76.28		0.00	0.00	76.28	3900.64
	08/10/04	3976.92	76.37		0.00	0.00	76.37	3900.55
	08/16/04	3976.92	76.32		0.00	0.00	76.32	3900.60
	08/23/04	3976.92	76.13		0.00	0.00	76.13	3900.79
	08/30/04	3976.92	76.30		0.00	0.00	76.30	3900.62
	09/08/04	3976.92	76.02		0.00	0.00	76.02	3900.90
	10/08/04	3976.92	74.45		0.00	0.00	74.45	3902.47
	12/30/05	3976.92	73.18		0.00	0.00	73.18	3903.74
	01/17/05	3976.92	73.89		0.00	0.00	73.89	3903.03
	02/09/05	3976.92	74.27		0.00	0.00	74.27	3902.65
	03/09/05	3976.92	74.86		0.00	0.00	74.86	3902.06
	04/05/05	3976.92	75.03		0.00	0.00	75.03	3901.89
	05/10/05	3976.92	75.28		0.00	0.00	75.28	3901.64
	06/08/05	3976.92	75.48		0.00	0.00	75.48	3901.44
	07/05/05	3976.92	75.58		0.00	0.00	75.58	3901.34
	08/08/05	3976.92	75.82		0.00	0.00	75.82	3901.10
	09/14/05	3976.92	74.48		0.00	0.00	74.48	3902.44
	10/12/05	3976.92	73.79		0.00	0.00	73.79	3903.13
	11/09/05	3976.92	74.19		0.00	0.00	74.19	3902.73
	12/14/05	3976.92	75.01		0.00	0.00	75.01	3901.91
	01/12/06	3976.92	75.47		0.00	0.00	75.47	3901.45
	02/02/06	3976.92	75.50		0.00	0.00	75.50	3901.42
	03/07/06	3976.92	75.75		0.00	0.00	75.75	3901.17
	04/05/06	3976.92	75.88		0.00	0.00	75.88	3901.04
	05/08/06	3976.92	75.89		0.00	0.00	75.89	3901.03
	06/05/06	3976.92	77.15		0.00	0.00	77.15	3899.77
	07/11/06	3976.92	76.18		0.00	0.00	76.18	3900.74
	08/16/06	3976.92	76.12		0.00	0.00	76.12	3900.80
	09/07/06	3976.92	76.26		0.00	0.00	76.26	3900.66
	06/27/07	± 3976.92	12.45		0.00	0.00	12.45	
	07/19/07	± 3976.92	79.91		0.00	0.00	79.91	
	08/21/07	± 3976.92	76.44		0.00	0.00	76.44	
	09/17/07	± 3976.92	76.58		0.00	0.00	76.58	
	10/16/07	± 3976.92	76.52		0.00	0.00	76.52	
	11/20/07	± 3976.92	76.60		0.00	0.00	76.60	
	12/21/07*	3977.52	76.48		0.00	0.00	76.48	3901.04
	01/22/08	3977.52	76.75		0.00	0.00	76.75	3900.77
	02/27/08	3977.52	76.80		0.00	0.00	76.80	3900.72
	03/25/08	3977.52	76.70		0.00	0.00	76.70	3900.82
	04/29/08	3977.52	76.70		0.00	0.00	76.70	3900.82
	05/05/08	3977.52	76.68		0.00	0.00	76.68	3900.84
	06/10/08	3977.52	76.75		0.00	0.00	76.75	3900.77

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico
 (all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-20 cont.	07/15/08	3977.52	76.71		0.00	0.00	76.71	3900.81
	08/19/08	3977.52	76.73		0.00	0.00	76.73	3900.79
	09/16/08	3977.52	76.92		0.00	0.00	76.92	3900.60
	10/15/08	3977.52	76.66		0.00	0.00	76.66	3900.86
	11/12/08	3977.52	76.33		0.00	0.00	76.33	3901.19
	12/11/08	3977.52	76.38		0.00	0.00	76.38	3901.14
SK-1	03/22/02	4002.94	74.07	74.02	0.05	0.04	74.03	3928.91
	09/16/02	4002.94	74.40	74.38	0.02	0.02	74.38	3928.56
	04/05/04	4002.94	76.81	74.30	2.51	2.01	74.80	3928.14
	05/17/04	4002.94	80.67	78.17	2.50	2.00	78.67	3924.27
	06/21/04	4002.94	84.37	81.68	2.69	2.15	82.22	3920.72
	06/21/04	4002.94	80.95	78.28	2.67	2.14	78.81	3924.13
	06/07/04	4002.94	80.72	78.04	2.68	2.14	78.58	3924.36
	06/15/04	4002.94	80.69	78.03	2.66	2.13	78.56	3924.38
	06/21/04	4002.94	80.86	78.18	2.68	2.14	78.72	3924.22
	06/28/04	4002.94	80.95	78.30	2.65	2.12	78.83	3924.11
	07/06/04	4002.94	79.99	78.34	1.65	1.32	78.67	3924.27
	07/12/04	4002.94	81.03	78.38	2.65	2.12	78.91	3924.03
	07/19/04	4002.94	81.16	78.38	2.78	2.22	78.94	3924.00
	07/26/04	4002.94	81.41	78.56	2.85	2.28	79.13	3923.81
	08/02/04	4002.94	81.73	78.46	3.27	2.62	79.11	3923.83
	08/10/04	4002.94	82.15	77.99	4.16	3.33	78.82	3924.12
	08/16/04	4002.94	82.84	77.77	5.07	4.06	78.78	3924.16
	08/23/04	4002.94	83.75	77.61	6.14	4.91	78.84	3924.10
	08/30/04	4002.94	84.42	77.41	7.01	5.61	78.81	3924.13
	09/08/04	4002.94	85.19	77.00	8.19	6.55	78.64	3924.30
	10/08/04	4002.94	86.99	76.24	10.75	8.60	78.39	3924.55
	12/30/05	4002.94	85.50	76.35	9.15	7.32	78.18	3924.76
	01/17/05	4002.94	82.03	76.16	5.87	4.70	77.33	3925.61
	02/09/05	4002.94	84.30	76.99	7.31	5.85	78.45	3924.49
	03/09/05	4002.94	84.20	76.83	7.37	5.90	78.30	3924.64
	04/05/05	4002.94	84.18	76.56	7.62	6.10	78.08	3924.86
	05/10/05	4002.94	84.08	76.42	7.66	6.13	77.95	3924.99
	06/08/05	4002.94	82.13	77.20	4.93	3.94	78.19	3924.75
	07/05/05	4002.94	82.29	77.27	5.02	4.02	78.27	3924.67
	08/08/05	4002.94	82.73	76.89	5.84	4.67	78.06	3924.88
	09/14/05	4002.94	79.55	75.51	4.04	3.23	76.32	3926.62
	10/12/05	4002.94	78.91	75.49	3.42	2.74	76.17	3926.77
	11/09/05	4002.94	78.76	75.44	3.32	2.66	76.10	3926.84
	12/14/05	4002.94	79.87	75.41	4.46	3.57	76.30	3926.64
	01/12/06	4002.94	78.57	75.72	2.85	2.28	76.29	3926.65
	02/02/06	4002.94	79.51	77.03	2.48	1.98	77.53	3925.41
	03/07/06	4002.94	82.32	77.57	4.75	3.80	78.52	3924.42
	04/05/06	4002.94	79.47	79.43	0.04	0.03	79.44	3923.50
	05/08/06	4002.94	78.33	78.01	0.32	0.26	78.07	3924.87
	06/05/06	4002.94	78.61	78.60	0.01	0.01	78.60	3924.34
	07/11/06	4002.94	78.28	77.64	0.64	0.51	77.77	3925.17
	08/16/06	4002.94	76.67	76.14	0.53	0.42	76.25	3926.69
	08/30/06	4002.94	76.56	76.04	0.52	0.42	76.14	3926.80
	09/07/06	4002.94	77.87	77.33	0.54	0.43	77.44	3925.50
	10/11/06	4002.94	78.24	77.66	0.58	0.46	77.78	3925.16
	11/08/06	4002.94	77.92	77.92	0.00	0.00	77.92	3925.02
	12/04/06	4002.94	78.43	78.43	0.00	0.00	78.43	3924.51
	01/04/07	4002.94	77.76	77.75	0.01	0.01	77.75	3925.19
	02/27/07	4002.94	77.15	77.14	0.01	0.01	77.14	3925.80
	03/20/07	4002.94	80.27	80.24	0.03	0.02	80.25	3922.69
	04/17/07	4002.94	80.48	80.44	0.04	0.03	80.45	3922.49
	05/07/07	4002.94	78.17	78.12	0.05	0.04	78.13	3924.81
	06/27/07	4002.94	77.88	77.79	0.09	0.07	77.81	3925.13
	07/19/07	4002.94	77.73	77.65	0.08	0.06	77.67	3925.27
	08/21/07	4002.94	77.69	77.61	0.08	0.06	77.63	3925.31
	09/17/07	4002.94	77.60	77.52	0.08	0.06	77.54	3925.40
	10/16/07	4002.94	77.46	77.43	0.03	0.02	77.44	3925.50
	11/20/07	4002.94	77.44	77.37	0.07	0.06	77.38	3925.56
	12/21/07*	4005.60	77.25	77.18	0.07	0.06	77.19	3928.41
	01/22/08	4005.60	76.16	76.08	0.08	0.06	76.10	3929.50
	02/27/08	4005.60	76.15	76.08	0.07	0.06	76.09	3929.51
	03/25/08	4005.60	77.32	77.24	0.08	0.06	77.26	3928.34
	04/29/08	4005.60	77.40	77.32	0.08	0.06	77.34	3928.26

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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
SK-1 cont.	05/05/08	4005.60	77.27	77.26	0.01	0.01	77.26	3928.34
	06/10/08	4005.60	77.36	77.28	0.08	0.06	77.30	3928.30
	07/15/08	4005.60	77.34	77.26	0.08	0.06	77.28	3928.32
	08/19/08	4005.60	75.35	75.27	0.08	0.06	75.29	3930.31
	09/16/08	4005.60	75.45	75.38	0.07	0.06	75.39	3930.21
	10/15/08	4005.60	76.13	76.05	0.08	0.06	76.07	3929.53
	11/12/08	4005.60	75.45	75.38	0.07	0.06	75.39	3930.21
	12/11/08	4005.60	77.15	77.08	0.07	0.06	77.09	3928.51
SK-2	12/19/02	4002.94	72.89	72.89	0.00	0.00	72.89	3930.05
	12/20/02	4002.94	74.08	73.73	0.35	0.28	73.80	3929.14
	12/30/02	4002.94	74.01	73.63	0.38	0.30	73.71	3929.23
	01/03/03	4002.94	74.42	73.79	0.63	0.50	73.92	3929.02
	01/07/03	4002.94	74.72	74.05	0.67	0.54	74.18	3928.76
	01/10/03	4002.94	75.38	73.74	1.64	1.31	74.07	3928.87
	01/15/03	4002.94	74.32	73.71	0.61	0.49	73.83	3929.11
	01/21/03	4002.94	74.53	73.60	0.93	0.74	73.79	3929.15
	02/17/03	4002.94	74.19	73.70	0.49	0.39	73.80	3929.14
	05/28/03	4002.94	74.54	73.79	0.75	0.60	73.94	3929.00
	06/07/04	4002.94	78.94	75.29	3.65	2.92	76.02	3926.92
	06/15/04	4002.94	79.21	75.38	3.83	3.06	76.15	3926.79
	06/21/04	4002.94	79.03	75.45	3.58	2.86	76.17	3926.77
	06/28/04	4002.94	79.63	75.62	4.01	3.21	76.42	3926.52
	07/06/04	4002.94	79.46	75.59	3.87	3.10	76.36	3926.58
	07/12/04	4002.94	79.61	75.68	3.93	3.14	76.47	3926.47
	07/19/04	4002.94	79.28	75.74	3.54	2.83	76.45	3926.49
	07/26/04	4002.94	79.63	75.83	3.80	3.04	76.59	3926.35
	08/02/04	4002.94	79.37	75.79	3.58	2.86	76.51	3926.43
	08/10/04	4002.94	79.59	75.85	3.74	2.99	76.60	3926.34
	08/16/04	4002.94	79.48	75.90	3.58	2.86	76.62	3926.32
	08/23/04	4002.94	78.97	75.83	3.14	2.51	76.46	3926.48
	08/30/04	4002.94	79.52	75.96	3.56	2.85	76.67	3926.27
	09/08/04	4002.94	79.62	76.01	3.61	2.89	76.73	3926.21
	10/08/04	4002.94	79.41	76.10	3.31	2.65	76.76	3926.18
	12/30/05	4002.94	79.14	76.16	2.98	2.38	76.76	3926.18
	01/17/05	4002.94	78.16	75.96	2.20	1.76	76.40	3926.54
	02/09/05	4002.94	79.31	76.31	3.00	2.40	76.91	3926.03
	03/09/05	4002.94	79.24	76.36	2.88	2.30	76.94	3926.00
	04/05/05	4002.94	78.57	76.17	2.40	1.92	76.65	3926.29
	05/10/05	4002.94	78.55	76.20	2.35	1.88	76.67	3926.27
	06/08/05	4002.94	77.68	76.58	1.10	0.88	76.80	3926.14
	07/05/05	4002.94	78.06	76.73	1.33	1.06	77.00	3925.94
	08/08/05	4002.94	76.63	0.00	0.00	0.00	76.63	3926.31
	09/14/05	4002.94	77.03	75.91	1.12	0.90	76.13	3926.81
	10/12/05	4002.94	76.58	75.77	0.81	0.65	75.93	3927.01
	11/09/05	4002.94	76.61	75.61	1.00	0.80	75.81	3927.13
	12/14/05	4002.94	76.93	75.76	1.17	0.94	75.99	3926.95
	01/12/06	4002.94	75.93	75.34	0.59	0.47	75.46	3927.48
	02/02/06	4002.94	76.60	75.64	0.96	0.77	75.83	3927.11
	03/07/06	4002.94	77.84	76.07	1.77	1.42	76.42	3926.52
	04/05/06	4002.94	78.40	76.26	2.14	1.71	76.69	3926.25
	05/08/06	4002.94	77.64	77.64	0.00	0.00	77.64	3925.30
	06/05/06	4002.94	76.85	76.07	0.78	0.62	76.23	3926.71
	07/11/06	4002.94	76.30	75.76	0.54	0.43	75.87	3927.07
	08/16/06	4002.94	74.80	0.00	0.00	0.00	74.80	3928.14
	08/30/06	4002.94	74.77	74.66	0.11	0.09	74.68	3928.26
	09/07/06	4002.94	75.64	75.24	0.40	0.32	75.32	3927.62
	10/11/06	4002.94	77.51	77.51	0.00	0.00	77.51	3925.43
	11/08/06	4002.94	74.99	74.99	0.00	0.00	74.99	3927.95
	12/04/06	4002.94	75.46	75.46	0.00	0.00	75.46	3927.48
	01/04/07	4002.94	74.79		0.00	0.00	74.79	3928.15
	02/27/07	4002.94	75.02	74.93	0.09	0.07	74.95	3927.99
	03/20/07	4002.94	75.98	75.72	0.26	0.21	75.77	3927.17
	04/17/07	4002.94	76.26	76.00	0.26	0.21	76.05	3926.89
	05/07/07	4002.94	75.91	75.64	0.27	0.22	75.69	3927.25
	06/27/07	4002.94	75.68	75.44	0.24	0.19	75.49	3927.45
	07/19/07	4002.94	75.28		0.00	0.00	75.28	3927.66
	08/21/07	4002.94	75.41	75.21	0.20	0.16	75.25	3927.69
	09/17/07	4002.94	75.25	75.17	0.08	0.06	75.19	3927.75
	10/16/07	4002.94	75.22	75.05	0.17	0.14	75.08	3927.86

Table 2
Water Level Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, 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
SK-2 cont.	11/20/07	4002.94	75.20	75.03	0.17	0.14	75.06	3927.88
	12/21/07*	4004.99	75.02	74.89	0.13	0.10	74.92	3930.07
	01/22/08	4004.99	74.98	74.86	0.12	0.10	74.88	3930.11
	02/27/08	4004.99	74.33	74.25	0.08	0.06	74.27	3930.72
	03/25/08	4004.99	74.86	74.77	0.09	0.07	74.79	3930.20
	04/29/08	4004.99	75.02	74.95	0.07	0.06	74.96	3930.03
	05/05/08	4004.99	74.99	74.21	0.78	0.62	74.37	3930.62
	06/10/08	4004.99	75.06	74.99	0.07	0.06	75.00	3929.99
	07/15/08	4004.99	75.08	75.00	0.08	0.06	75.02	3929.97
	08/19/08	4004.99	74.28	74.19	0.09	0.07	74.21	3930.78
	09/16/08	4004.99	74.32	74.28	0.04	0.03	74.29	3930.70
	10/15/08	4004.99	74.28	74.22	0.06	0.05	74.23	3930.76
	11/12/08	4004.99	74.16	74.10	0.06	0.05	74.11	3930.88
	12/11/08	4004.99	74.90	74.85	0.05	0.04	74.86	3930.13
EW-1	06/27/07		92.58		0.00	0.00	92.58	
	07/19/07		93.27		0.00	0.00	93.27	

Notes:

L.P.H. = Liquid Phase Hydrocarbon

Blank Fields Indicate No Data

* Wells re-surveyed for location and elevation of top of casing on 12/21/07.

Table 3
Groundwater Quality Analysis
May 6-8, 2008
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico

Parameters (mg/L)	WW	MW-2	MW-4	MW-5	MW-6	MW-6 QA*	MW-10	MW-11	MW-12	MW-12 QA*	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	EW-1	NM WQ Std
Total Metals																				
Calcium	184	323	156	176	182	188	819	615	3,880	3,840	193	613	92.8	171		2,200	359	1,690	3,340	
Magnesium	62.9	67.7	48.3	32.8	78.0	81.3	188	166	1,030	1,030	43.9	165	38.2	49.1		727	48.6	571	1,040	
Potassium	3.63	3.09	8.04	3.09	4.18	3.61	8.24	8.62	84.3	85.4	3.09	6.09	2.71	2.90		25.3	9.56	24.7	74.1	
Sodium	140	72.9	79.2	158	145	147	785	204	24,000	23,100	66.8	57.1	53.0	70.4		3,260	50.2	983	19,000	
Volatile Organic Compounds																				
Benzene	ND	49.0	0.10	0.088	12.0	11.0	ND	0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Ethylbenzene	ND	570.57	0.047	0.017	0.25 J	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75
Toluene	ND	12.0	ND	0.04	0.20	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75
Xylenes (total)	ND	0.42 J	0.049	0.018	0.114	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62
Semivolatile Organic Compounds																				
1-Methylnaphthalene	ND	0.005	0.013	0.006	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
2-Methylnaphthalene	ND	ND	0.009	0.005	0.006	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0007
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluorine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	ND	0.005	0.005	ND	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Inorganic Analysis																				
Carbonate Alkalinity	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bicarbonate Alkalinity	187	308	174	417	218	219	150	168	97	97	201	208	229	246	186	107	229	111	105	
Total Alkalinity	187	308	174	417	218	219	150	168	97	97	201	208	229	246	186	107	229	111	105	
Bromide	ND	4.55	ND	ND	ND	ND	14.4	8.18	ND	ND	ND	8.04	0.845	1.31	3.96	50.5	ND	19.8	ND	
Chloride	475	633	425	333	616	660	2,520	1,560	48,600	45,100	192	658	135	262	724	11,300	114	5,120	41,500	250
Nitrate as N	ND	ND	ND	ND	ND	ND	4.18	1.560	ND, H	ND, H	11.9	10.1	ND, H	ND, H	ND	8.36	1.06	ND	ND	10
Sulfate	144	4.53	ND	21.3	25.5	20.6	398	163	1,600	1,610	234	904	68.5	140	295	718	29.3	467	1,150	600
Total Dissolved Solids	2,130	2,710	1,660	1,430	2,870	4,390	6,880	4,140	88,500	84,300	1,270	3,760	814	1,350	2,750	37,100	1,190	5,790	77,200	1,000

Notes:
mg/L = milligrams per liter
ND = Not detected at or above laboratory reporting limits.
J = Estimated value between Method Detection Limit and Practical Quantitation Limit
H = Sample prepared or analyzed after EPA recommended holding time exceeded.
* QA = Field duplicate sample analyses for evaluation of laboratory quality assurance/quality control (QA/QC) procedures.
Trip blanks used for sample shipping QA/QC reported non-detect for BTEx concentrations.
Blank fields indicate no data.
NM WQ Std = New Mexico Water Quality Standard

Table 4
MW-6 Groundwater Quality Measurements
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico

Date	Time	Specific Conductivity (mS/cm)	Salinity (ppt)	pH (units)	Temperature (°C)	Comments
05/17/04		1.62	0.81	7.93	24.0	
07/12/04	10:27	1.70	0.85	8.23	21.5	
07/12/04	10:29	1.69	0.84	8.26	21.4	
07/12/04	10:30	1.69	0.84	8.27	21.3	
07/12/04	10:31	1.69	0.84	8.26	21.1	
07/12/04	10:33	1.69	0.84	8.25	21.2	
07/12/04	10:35	1.71	0.85	8.26	20.9	
07/12/04	10:37	1.69	0.84	8.23	21.0	pump off @10:37
07/26/04	11:44	1.71	0.86	8.13	21.7	pump off @11:49
08/10/04	10:13	1.71	0.85	8.26	23.3	
08/10/04	10:15	1.71	0.85	8.32	22.4	
08/10/04	10:17	1.71	0.86	8.39	22.1	
08/10/04	10:18	1.71	0.86	8.42	21.6	
08/10/04	10:22	1.72	0.86	8.47	21.7	
08/10/04	10:27	1.74	0.87	8.38	21.5	
08/10/04	10:29	1.73	0.86	8.39	21.7	pump off @ 10:29
08/16/04	8:59	1.75	0.87	8.29	21.0	
08/16/04	9:00	1.73	0.87	8.35	20.6	
08/16/04	9:03	1.72	0.86	8.43	20.4	
08/16/04	11:11	1.69	0.84	8.15	22.0	
08/16/04	11:15	1.71	0.86	8.35	21.4	
08/16/04	11:20	1.71	0.85	8.46	21.1	
08/16/04	11:25	1.73	0.86	8.41	21.3	pump off @ 11:28
08/23/04	8:15	1.72	0.86	8.31	21.3	
08/23/04	8:20	1.73	0.86	8.41	21.1	
08/23/04	8:25	1.75	0.87	8.42	21.2	pump off @ 08:27
08/30/04	9:22	1.75	0.88	8.33	22.2	
08/30/04	9:26	1.73	0.87	8.43	21.5	pump off @ 09:27
09/08/04	9:00	1.72	0.86	8.21	21.4	
09/08/04	9:05	1.72	0.86	8.47	21.6	
09/08/04	9:10	1.74	0.87	8.46	21.1	pump off @ 09:13
10/08/04	9:36	1.75	0.88	8.54	21.3	
10/08/04	9:40	1.75	0.88	8.69	21.0	
10/08/04	9:45	1.79	0.90	8.68	21.1	pump off @ 9:46
10/08/04	11:58	1.75	0.88	8.50	20.9	
10/08/04	12:05	1.77	0.89	8.67	20.5	
10/08/04	12:10	1.78	0.89	8.69	20.4	pump off @ 12:10
01/17/05	10:55	1.46	0.73	7.44	16.6	
02/09/05	11:20	1.45	0.72	7.14	18.5	
04/05/05	10:00	2.08	1.04	7.23	19.4	
08/08/05	10:35	1.73	0.86	7.12	22.8	
02/16/06	12:20	1.51	0.75	6.74	21.0	
03/07/06	11:35	1.49	0.74	7.37	21.4	
06/05/06	12:25	1.65	0.82	7.06		
09/20/06	12:42	1.80	0.90	7.04	22.8	
12/04/06	10:10	2.00	0.99	7.26	15.7	
01/04/07	11:05	2.06	1.02	7.30	18.5	
04/17/07	13:37	2.04		7.19	23.3	
10/16/07	11:30	2.24	1.11	6.95	21.1	
02/27/08	10:42	15.49	7.74	6.89	20.5	
10/15/08	2:05	2.34	1.16	7.10	18.0	

Notes:

mS/cm = milliSiemens per centimeter

ppt = parts per thousand

°C = degrees Celsius

Table 5a
Extraction Well MW-6 Recovery Volumes
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
12/14/05	12:00	155,239.90	5,935.80	380,312.75		0.27	Float switch & freezing problems.
01/26/06	12:15	160,817.90	5,578.00	385,890.75		0.09	Float switch & freezing problems.
02/02/06	14:30	163,014.50	2,196.60	388,087.35		0.22	Float switch & freezing problems.
02/15/06	11:00	173,406.30	10,391.80	398,479.15		0.56	Install heat trace & insulation.
02/16/06	12:25	174,273.60	867.30	399,346.45		0.60	
03/07/06	11:05	187,632.40	13,358.80	412,705.25		0.49	
03/23/06	11:15	215,507.00	27,874.60	440,579.85		1.21	
04/05/06	11:43	220,641.00	5,134.00	445,713.85		0.27	
04/18/06	10:00	228,578.50	7,937.50	453,651.35		0.42	
05/08/06	15:31	241,171.50	12,593.00	466,244.35		0.44	
05/11/06	13:40	242,939.70	1,768.20	468,012.55		0.41	
05/12/06	8:22	243,424.10	484.40	468,496.95		0.34	
05/12/06	8:40	243,451.40	27.30	468,524.25		1.52	
06/05/06	12:25	258,570.00	15,118.60	483,642.85		0.44	
07/11/06	12:10	280,703.30	22,133.30	505,776.15		0.43	
08/16/06	8:20	281,423.30	720.00	506,496.15		0.01	Pump off from 7/24/06 f/ tank repairs.
08/30/06	10:50	281,484.50	61.20	506,557.35		0.00	Restart pump on 8/30/06.
09/20/06	12:42	297,406.90	15,922.40	522,479.75		0.53	
10/11/06	10:40	312,557.10	15,150.20	537,629.95		0.50	
11/08/06	9:00	329,920.90	17,363.80	554,993.75		0.43	Pump off from 11/07/06, tank full.
12/04/06	10:10	349,386.10	19,465.20	574,458.95		0.52	
01/04/07	11:05	365,410.80	16,024.70	590,483.65		0.36	
02/27/07	10:50	392,701.40	27,290.60	617,774.25		0.35	
03/20/07	9:15	418,632.10	25,930.70	643,704.95		0.86	
04/17/07	13:56	456,282.30	37,650.20	681,355.15		0.93	
05/07/07	10:46	468,334.40	12,052.10	693,407.25		0.42	
05/08/07	15:17	469,062.40	728.00	694,135.25		0.51	
05/15/07	11:12	495,925.30	26,862.90	720,998.15		2.67	
06/27/07	10:29	500,361.20	4,435.90	725,434.05		0.07	Pump off intermittently f/ tank work.
07/19/07	8:45	514,061.50	13,700.30	739,134.35		0.43	
07/19/07	11:25	514,119.20	57.70	739,192.05		0.36	
07/19/07	15:07	514,204.40	85.20	739,277.25		0.38	
07/19/07	16:12	514,251.80	47.40	739,324.65		0.73	
08/21/07	10:55	534,891.20	20,639.40	759,964.05		0.43	
08/21/07	14:23	534,986.50	95.30	760,059.35		0.46	
09/17/07	10:06	551,664.60	16,678.10	776,737.45		0.43	
09/17/07	10:59	551,711.20	46.60	776,784.05		0.88	
10/16/07	8:45	569,938.40	18,227.20	795,011.25		0.44	
10/16/07	11:11	569,985.80	47.40	795,058.65		0.32	
11/20/07	8:40	591,598.70	21,612.90	816,671.55		0.43	
11/20/07	9:11	591,635.70	37.00	816,708.55		1.19	
12/21/07	8:15	611,077.40	19,441.70	836,150.25		0.44	
12/21/07	10:22	611,123.40	46.00	836,196.25		0.36	
01/22/08	10:50	627,483.90	16,360.50	852,556.75		0.36	
01/22/08	12:35	627,488.90	5.00	852,561.75		0.04	
02/27/08	8:52	626,666.60	-822.30	851,739.45		-0.02	Corrected flowmeter volume.
02/27/08	11:25	626,863.90	197.30	851,936.75		1.55	
03/12/08	10:50	628,820.00	1,956.10	853,892.85		0.10	
03/25/08	9:35	639,930.90	11,110.90	865,003.75		0.59	
03/25/08	11:23	639,972.50	41.60	865,045.35		0.33	
04/29/08	8:50	662,693.50	22,721.00	887,766.35		0.45	
04/29/08	10:35	662,735.30	41.80	887,808.15		0.33	
05/05/08	13:45	666,464.20	3,728.90	891,537.05		0.43	
05/05/08	14:39	666,506.10	41.90	891,578.95		0.33	
06/10/08	8:45	688,437.80	21,931.70	913,510.65		0.42	
06/10/08	10:55	688,488.80	51.00	913,561.65		0.40	
07/15/08	9:10	708,547.60	20,058.80	933,620.45		0.40	
07/15/08	10:55	708,598.70	51.10	933,671.55		0.40	
08/19/08	8:40	709,904.40	1,305.70	934,977.25		0.03	Pump would not come on.
09/16/08	9:20	709,904.40	0.00	934,977.25		0.00	
10/01/08	9:55	709,904.40	0.00	934,977.25		0.00	Install new pump.
10/02/08	8:30	709,949.00	44.60	935,021.85		0.00	Fix float switches and start pump.
10/02/08	10:15	710,037.40	88.40	935,110.25		0.70	
10/15/08	9:20	712,327.00	2,289.60	937,399.85		0.12	
10/15/08	12:42	712,494.70	167.70	937,567.55		1.32	
11/12/08	8:43	721,969.10	9,474.40	947,041.95		0.23	
11/12/08	11:11	722,012.10	43.00	947,084.95		0.34	
12/11/08	9:00	739,633.90	17,621.80	964,706.75		0.42	
12/11/08	10:36	739,673.50	39.60	964,746.35		0.31	

Table 5a
Extraction Well MW-6 Recovery Volumes
 ConocoPhillips - Maljamar Gas Plant
 Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
04/05/04	14:45	1,506.45					Start pumping MW-6.
05/10/04	10:35	1,770.90	264.45				
05/10/04	12:28	1,940.00	169.10	433.55			
05/17/04	14:50	14,792.65	12,852.65	13,286.20		1.28	
05/17/04	17:09	15,045.55	252.90	13,539.10			
05/24/04	13:51	27,260.85	12,215.30	25,754.40		1.21	
06/01/04	8:07	34,896.40	7,635.55	33,389.95		0.66	
06/01/04	9:41	34,910.00	13.60	33,403.55			
06/01/04	10:51	35,008.60	98.60	33,502.15	112.20		
06/01/04	12:12	35,040.00	31.40	33,533.55			
06/01/04	12:31	35,123.25	83.25	33,616.80	83.25		
06/01/04	13:51	35,130.30	7.05	33,623.85			
06/07/04	8:04	42,007.30	6,877.00	40,500.85		0.80	
06/07/04	9:19	42,080.90	73.60	40,574.45	73.60		
06/07/04	11:06	42,164.65	83.75	40,658.20	83.75		
06/15/04	8:06	51,167.30	9,002.65	49,660.85		0.78	
06/15/04	9:10	51,230.00	62.70	49,723.55	95.65		
06/15/04	9:16	51,260.00	30.00	49,753.55			
06/15/04	9:52	51,262.95	2.95	49,756.50			
06/15/04	11:19	51,358.25	95.30	49,851.80	95.30		
06/21/04	8:21	57,670.00	6,311.75	56,163.55		0.73	
06/21/04	8:27	57,710.00	40.00	56,203.55			
06/21/04	8:56	57,735.65	25.65	56,229.20			
06/21/04	10:47	57,830.35	94.70	56,323.90	94.70		
06/28/04	8:18	65,189.50	7,359.15	63,683.05		0.73	
06/28/04	10:17	65,282.70	93.20	63,776.25	93.20		
06/28/04	12:28	65,376.90	94.20	63,870.45	94.20		
07/06/04	8:08	73,765.10	8,388.20	72,258.65		0.73	
07/06/04	8:46	73,868.50	103.40	72,362.05	103.40		
07/06/04	13:41	74,044.45	175.95	72,538.00	175.95		
07/12/04	9:07	80,116.10	6,071.65	78,609.65		0.70	
07/12/04	10:37	80,207.95	91.85	78,701.50	91.85		
07/12/04	13:07	80,300.40	92.45	78,793.95			
07/19/04	8:08	87,253.85	6,953.45	85,747.40		0.69	
07/19/04	8:45	87,358.20	104.35	85,851.75	104.35		
07/19/04	10:59	87,442.75	84.55	85,936.30	84.55		
07/26/04	9:01	94,366.45	6,923.70	92,860.00		0.69	
07/26/04	9:31	94,460.95	94.50	92,954.50	94.50		
07/26/04	11:49	94,554.90	93.95	93,048.45	93.95		
08/02/04	8:05	101,564.60	7,009.70	100,058.15		0.70	
08/02/04	8:45	101,658.50	93.90	100,152.05	93.90		
08/02/04	10:49	101,750.60	92.10	100,244.15	92.10		
08/10/04	8:26	109,577.25	7,826.65	108,070.80		0.68	
08/10/04	10:29	109,668.75	91.50	108,162.30	91.50		
08/10/04	12:44	109,769.50	100.75	108,263.05	100.75		
08/16/04	8:12	115,282.00	5,512.50	113,775.55		0.64	
08/16/04	9:03	115,374.45	92.45	113,868.00	92.45		
08/16/04	11:28	115,466.40	91.95	113,959.95	91.95		
08/23/04	8:27	122,334.20	6,867.80	120,827.75		0.68	
08/23/04	11:13	122,424.30	90.10	120,917.85	90.10		
08/23/04	12:43	122,513.25	88.95	121,006.80	88.95		
08/30/04	8:09	129,069.60	6,556.35	127,563.15		0.65	
08/30/04	9:27	129,150.00	80.40	127,643.55			
08/30/04	12:03	129,239.55	89.55	127,733.10	89.55		
09/08/04	7:56	137,417.20	8,177.65	135,910.75		0.63	
09/08/04	9:13	137,503.90	86.70	135,997.45	86.70		
09/08/04	12:01	137,587.95	84.05	136,081.50	84.05		
10/08/04	12:10	164,776.80	27,188.85	163,270.35		0.63	
12/30/04	8:55	226,579.30	61,802.50	225,072.85		0.52	
01/17/05	13:30	251.50	251.50	225,324.35			Replace flowmeter.
02/09/05	12:20	18,330.70	18,079.20	243,403.55		0.55	
03/09/05	13:25	37,412.00	19,081.30	262,484.85		0.47	
04/05/05	12:38	55,160.60	17,748.60	280,233.45		0.46	
05/19/05	10:15	82,715.00	27,554.40	307,787.85		0.43	
06/08/05	11:15	95,551.00	12,836.00	320,623.85		0.45	
07/05/05	14:30	110,883.80	15,332.80	335,956.65		0.39	
08/08/05	12:45	129,746.00	18,862.20	354,818.85		0.39	
09/14/05	10:15	141,031.00	11,285.00	366,103.85		0.21	
11/09/05	11:00	141,182.10	151.10	366,254.95			Pump not working.
11/15/05	10:00	141,182.10	0.00	366,254.95			Pull pump for repairs.
11/21/05	10:30	141,322.20	140.10	366,395.05			Reinstall pump.
11/29/05	12:30	149,304.10	7,981.90	374,376.95		0.69	

Table 5b
Extraction Well EW-1 Recovery Volumes
 ConocoPhillips
 Maljamar Gas Plant
 Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
09/17/07	9:30	0.00					Start pumping EW-1
09/17/07	12:05	187.10	187.10	187.10		1.21	
10/16/07	8:42	3,793.00	3,605.90	3,793.00		0.09	
10/16/07	9:20	3,813.70	20.70	3,813.70		0.54	
11/20/07	8:43	7,671.50	3,857.80	7,671.50		0.08	
12/21/07	8:20	9,925.80	2,254.30	9,925.80		0.05	
12/21/07	8:51	9,945.20	19.40	9,945.20		0.63	
02/27/08	8:55	16,656.70	6,711.50	16,656.70		0.07	
02/27/08	10:55	16,674.40	17.70	16,674.40		0.57	
03/12/08	9:20	18,031.50	1,357.10	18,031.50		0.07	
03/25/08	9:38	19,339.20	1,307.70	19,339.20		0.07	
04/29/08	8:55	22,760.20	3,421.00	22,760.20		0.07	
04/29/08	9:25	22,779.90	19.70	22,779.90		0.64	
05/05/08	13:49	23,368.50	588.60	23,368.50		0.07	
06/10/08	8:50	26,631.70	3,263.20	26,631.70		0.06	
07/15/08	9:13	29,908.90	3,277.20	29,908.90		0.07	
08/19/08	9:06	33,081.00	3,172.10	33,081.00		0.06	
09/16/08	9:25	35,767.90	2,686.90	35,767.90		0.07	
10/15/08	9:25	38,521.00	2,753.10	38,521.00		0.07	
10/15/08	12:46	38,537.90	16.90	38,537.90		0.55	
11/12/08	9:09	41,178.20	2,640.30	41,178.20		0.07	
12/11/08	9:03	43,872.10	2,693.90	43,872.10		0.06	

APPENDIX A

Laboratory Analytical Data



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

Conoco Phillips

Certificate of Analysis Number:

08050648

Report To:

Tetra Tech
Greg Pope
1703 W Industrial Avenue

Midland
TX

79701-

ph: (432) 686-8081

fax:

Project Name:

COP Maljamar Gas Plant

Site:

Maljamar, NM

Site Address:

PO Number:

4509825328

State:

New Mexico

State Cert. No.:

Date Reported:

5/27/2008

This Report Contains A Total Of 64 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

5/27/2008

Date

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



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

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:
08050648

Report To: Tetra Tech Greg Pope 1703 W Industrial Avenue Midland TX 79701- ph: (432) 686-8081 fax:	Project Name: COP Maljamar Gas Plant Site: Maljamar, NM Site Address: PO Number: 4509825328 State: New Mexico State Cert. No.: Date Reported: 5/27/2008
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Your sample ID's "MW-12" and "DUP-01" (SPL ID: 08050648-11 and -18) were analyzed several hours outside the method holding time for Nitrate as N by Method 300.0.

A trip blank was received with the sample but was not listed on the chain of custody. Per our conversation on May 13, 2008 SPL, Inc. analyzed the trip blank for BTEX by SW 846 Method 8260B.

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.

For Ion Chromatography analysis by EPA Method 300.0, your sample ID's "MW-12", "EW-1", "MW-6", "WW", "MW-4", "MW-2", "MW-5", "DUP-01", and "DUP-02" (SPL ID's: 08050648-11, -12, -13, -14, -15, -16, 17, -18, and -19) were reported with Bromide and/or Nitrate as N as nondetect with elevated sample quantitation limits due to sample matrix interference from high concentration of chloride in the samples; the lowest possible dilutions were performed.

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

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID: 78990 for the Semivolatile Organics analysis by Method SW8270C. 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.

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.

08050648 Page 1
5/29/2008

Bethany A. Agarwal
Senior Project Manager

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

Date



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

Conoco Phillips

Certificate of Analysis Number:

08050648

Report To: Tetra Tech
Greg Pope
1703 W Industrial Avenue

Midland

TX

79701-

ph: (432) 686-8081

fax: (432) 686-8085

Project Name: COP Maljamar Gas Plant

Site: Maljamar, NM

Site Address:

PO Number: 4509825328

State: New Mexico

State Cert. No.:

Date Reported: 5/27/2008

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-15	08050648-01	Water	5/6/2008 11:10:00 AM	5/9/2008 10:00:00 AM		☐
MW-16	08050648-02	Water	5/6/2008 1:50:00 PM	5/9/2008 10:00:00 AM		☐
MW-13	08050648-03	Water	5/6/2008 2:40:00 PM	5/9/2008 10:00:00 AM		☐
MW-17	08050648-04	Water	5/7/2008 8:35:00 AM	5/9/2008 10:00:00 AM		☐
MW-19	08050648-05	Water	5/7/2008 8:50:00 AM	5/9/2008 10:00:00 AM		☐
MW-11	08050648-06	Water	5/7/2008 9:40:00 AM	5/9/2008 10:00:00 AM		☐
MW-14	08050648-07	Water	5/7/2008 10:15:00 AM	5/9/2008 10:00:00 AM		☐
MW-20	08050648-08	Water	5/7/2008 11:05:00 AM	5/9/2008 10:00:00 AM		☐
MW-18	08050648-09	Water	5/7/2008 12:25:00 PM	5/9/2008 10:00:00 AM		☐
MW-10	08050648-10	Water	5/7/2008 1:10:00 PM	5/9/2008 10:00:00 AM		☐
MW-12	08050648-11	Water	5/7/2008 1:50:00 PM	5/9/2008 10:00:00 AM		☐
EW-1	08050648-12	Water	5/8/2008 8:35:00 AM	5/9/2008 10:00:00 AM		☐
MW-6	08050648-13	Water	5/8/2008 8:55:00 AM	5/9/2008 10:00:00 AM		☐
WW	08050648-14	Water	5/8/2008 9:20:00 AM	5/9/2008 10:00:00 AM		☐
MW-4	08050648-15	Water	5/8/2008 9:55:00 AM	5/9/2008 10:00:00 AM		☐
MW-2	08050648-16	Water	5/8/2008 10:35:00 AM	5/9/2008 10:00:00 AM	280862	☐
MW-5	08050648-17	Water	5/8/2008 11:20:00 AM	5/9/2008 10:00:00 AM	280862	☐
DUP-01	08050648-18	Water	5/7/2008	5/9/2008 10:00:00 AM	280862	☐
DUP-02	08050648-19	Water	5/8/2008	5/9/2008 10:00:00 AM	280861	☐
Trip Blank	08050648-20	Water	5/8/2008	5/9/2008 10:00:00 AM	280861	☐

Bethany Agarwal

Bethany A. Agarwal
Senior Project Manager

5/27/2008

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer



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

Client Sample ID MW-15

Collected: 05/06/2008 11:10

SPL Sample ID: 08050648-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 12:29	LT	4441781
Ethylbenzene	ND		5	1	05/15/08 12:29	LT	4441781
Toluene	ND		5	1	05/15/08 12:29	LT	4441781
m,p-Xylene	ND		5	1	05/15/08 12:29	LT	4441781
o-Xylene	ND		5	1	05/15/08 12:29	LT	4441781
Xylenes, Total	ND		5	1	05/15/08 12:29	LT	4441781
Surr: 1,2-Dichloroethane-d4	94.0		% 62-130	1	05/15/08 12:29	LT	4441781
Surr: 4-Bromofluorobenzene	96.0		% 70-130	1	05/15/08 12:29	LT	4441781
Surr: Toluene-d8	100		% 74-122	1	05/15/08 12:29	LT	4441781

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-16

Collected: 05/06/2008 13:50 SPL Sample ID: 08050648-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 13:52	LT	4441784
Ethylbenzene	ND		5	1	05/15/08 13:52	LT	4441784
Toluene	ND		5	1	05/15/08 13:52	LT	4441784
m,p-Xylene	ND		5	1	05/15/08 13:52	LT	4441784
o-Xylene	ND		5	1	05/15/08 13:52	LT	4441784
Xylenes, Total	ND		5	1	05/15/08 13:52	LT	4441784
Surr: 1,2-Dichloroethane-d4	92.0		% 62-130	1	05/15/08 13:52	LT	4441784
Surr: 4-Bromofluorobenzene	96.0		% 70-130	1	05/15/08 13:52	LT	4441784
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 13:52	LT	4441784

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-13

Collected: 05/06/2008 14:40

SPL Sample ID: 08050648-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 14:20	LT	4441785
Ethylbenzene	ND		5	1	05/15/08 14:20	LT	4441785
Toluene	ND		5	1	05/15/08 14:20	LT	4441785
m,p-Xylene	ND		5	1	05/15/08 14:20	LT	4441785
o-Xylene	ND		5	1	05/15/08 14:20	LT	4441785
Xylenes, Total	ND		5	1	05/15/08 14:20	LT	4441785
Surr: 1,2-Dichloroethane-d4	92.0		% 62-130	1	05/15/08 14:20	LT	4441785
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/15/08 14:20	LT	4441785
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 14:20	LT	4441785

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-17

Collected: 05/07/2008 8:35

SPL Sample ID: 08050648-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 14:48	LT	4441786
Ethylbenzene	ND		5	1	05/15/08 14:48	LT	4441786
Toluene	ND		5	1	05/15/08 14:48	LT	4441786
m,p-Xylene	ND		5	1	05/15/08 14:48	LT	4441786
o-Xylene	ND		5	1	05/15/08 14:48	LT	4441786
Xylenes, Total	ND		5	1	05/15/08 14:48	LT	4441786
Surr: 1,2-Dichloroethane-d4	92.0		% 62-130	1	05/15/08 14:48	LT	4441786
Surr: 4-Bromofluorobenzene	96.0		% 70-130	1	05/15/08 14:48	LT	4441786
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 14:48	LT	4441786

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-19

Collected: 05/07/2008 8:50

SPL Sample ID: 08050648-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 15:16	LT	4441787
Ethylbenzene	ND		5	1	05/15/08 15:16	LT	4441787
Toluene	ND		5	1	05/15/08 15:16	LT	4441787
m,p-Xylene	ND		5	1	05/15/08 15:16	LT	4441787
o-Xylene	ND		5	1	05/15/08 15:16	LT	4441787
Xylenes, Total	ND		5	1	05/15/08 15:16	LT	4441787
Surr: 1,2-Dichloroethane-d4	96.0		% 62-130	1	05/15/08 15:16	LT	4441787
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/15/08 15:16	LT	4441787
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 15:16	LT	4441787

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-11

Collected: 05/07/2008 9:40

SPL Sample ID: 08050648-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	9		5	1	05/15/08 15:44	LT	4441788
Ethylbenzene	ND		5	1	05/15/08 15:44	LT	4441788
Toluene	ND		5	1	05/15/08 15:44	LT	4441788
m,p-Xylene	ND		5	1	05/15/08 15:44	LT	4441788
o-Xylene	ND		5	1	05/15/08 15:44	LT	4441788
Xylenes, Total	ND		5	1	05/15/08 15:44	LT	4441788
Surr: 1,2-Dichloroethane-d4	92.0		% 62-130	1	05/15/08 15:44	LT	4441788
Surr: 4-Bromofluorobenzene	96.0		% 70-130	1	05/15/08 15:44	LT	4441788
Surr: Toluene-d8	96.0		% 74-122	1	05/15/08 15:44	LT	4441788

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-14

Collected: 05/07/2008 10:15 SPL Sample ID: 08050648-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 16:12	LT	4441789
Ethylbenzene	ND		5	1	05/15/08 16:12	LT	4441789
Toluene	ND		5	1	05/15/08 16:12	LT	4441789
m,p-Xylene	ND		5	1	05/15/08 16:12	LT	4441789
o-Xylene	ND		5	1	05/15/08 16:12	LT	4441789
Xylenes, Total	ND		5	1	05/15/08 16:12	LT	4441789
Surr: 1,2-Dichloroethane-d4	96.0		% 62-130	1	05/15/08 16:12	LT	4441789
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/15/08 16:12	LT	4441789
Surr: Toluene-d8	96.0		% 74-122	1	05/15/08 16:12	LT	4441789

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
NTNC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-20

Collected: 05/07/2008 11:05 SPL Sample ID: 08050648-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 16:40	LT	4441790
Ethylbenzene	ND		5	1	05/15/08 16:40	LT	4441790
Toluene	ND		5	1	05/15/08 16:40	LT	4441790
m,p-Xylene	ND		5	1	05/15/08 16:40	LT	4441790
o-Xylene	ND		5	1	05/15/08 16:40	LT	4441790
Xylenes, Total	ND		5	1	05/15/08 16:40	LT	4441790
Surr: 1,2-Dichloroethane-d4	96.0		% 62-130	1	05/15/08 16:40	LT	4441790
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/15/08 16:40	LT	4441790
Surr: Toluene-d8	100		% 74-122	1	05/15/08 16:40	LT	4441790

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-18

Collected: 05/07/2008 12:25

SPL Sample ID: 08050648-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 17:08	LT	4441791
Ethylbenzene	ND		5	1	05/15/08 17:08	LT	4441791
Toluene	ND		5	1	05/15/08 17:08	LT	4441791
m,p-Xylene	ND		5	1	05/15/08 17:08	LT	4441791
o-Xylene	ND		5	1	05/15/08 17:08	LT	4441791
Xylenes, Total	ND		5	1	05/15/08 17:08	LT	4441791
Surr: 1,2-Dichloroethane-d4	96.0		% 62-130	1	05/15/08 17:08	LT	4441791
Surr: 4-Bromofluorobenzene	96.0		% 70-130	1	05/15/08 17:08	LT	4441791
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 17:08	LT	4441791

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-10

Collected: 05/07/2008 13:10

SPL Sample ID: 08050648-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
Benzene	ND		5	1	05/15/08 17:36	LT	4441792
Ethylbenzene	ND		5	1	05/15/08 17:36	LT	4441792
Toluene	ND		5	1	05/15/08 17:36	LT	4441792
m,p-Xylene	ND		5	1	05/15/08 17:36	LT	4441792
o-Xylene	ND		5	1	05/15/08 17:36	LT	4441792
Xylenes, Total	ND		5	1	05/15/08 17:36	LT	4441792
Surr: 1,2-Dichloroethane-d4	94.0		% 62-130	1	05/15/08 17:36	LT	4441792
Surr: 4-Bromofluorobenzene	96.0		% 70-130	1	05/15/08 17:36	LT	4441792
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 17:36	LT	4441792

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-12

Collected: 05/07/2008 13:50

SPL Sample ID: 08050648-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	97		2	1	05/15/08 18:45	PAC	4442431
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	97		2	1	05/15/08 18:45	PAC	4442447
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442464
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	48600		1000	1000	05/19/08 16:06	A_E	4452134
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		25	50	05/09/08 16:15	A_E	4429180
Nitrogen, Nitrate (As N)	ND		25	50	05/09/08 16:15	A_E	4428683
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	3880		1	10	05/24/08 17:59	EG	4460233
Magnesium	1030		1	10	05/24/08 17:59	EG	4460233
Potassium	84.3		2	1	05/24/08 16:49	EG	4460222
Sodium	24000		50	100	05/24/08 18:23	EG	4460236

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-12

Collected: 05/07/2008 13:50 SPL Sample ID: 08050648-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/23/08 18:21	GY	4458752
2-Methylnaphthalene	ND		5	1	05/23/08 18:21	GY	4458752
Acenaphthene	ND		5	1	05/23/08 18:21	GY	4458752
Acenaphthylene	ND		5	1	05/23/08 18:21	GY	4458752
Anthracene	ND		5	1	05/23/08 18:21	GY	4458752
Benz(a)anthracene	ND		5	1	05/23/08 18:21	GY	4458752
Benzo(a)pyrene	ND		5	1	05/23/08 18:21	GY	4458752
Benzo(b)fluoranthene	ND		5	1	05/23/08 18:21	GY	4458752
Benzo(g,h,i)perylene	ND		5	1	05/23/08 18:21	GY	4458752
Benzo(k)fluoranthene	ND		5	1	05/23/08 18:21	GY	4458752
Chrysene	ND		5	1	05/23/08 18:21	GY	4458752
Dibenz(a,h)anthracene	ND		5	1	05/23/08 18:21	GY	4458752
Dibenzofuran	ND		5	1	05/23/08 18:21	GY	4458752
Fluoranthene	ND		5	1	05/23/08 18:21	GY	4458752
Fluorene	ND		5	1	05/23/08 18:21	GY	4458752
Indeno(1,2,3-cd)pyrene	ND		5	1	05/23/08 18:21	GY	4458752
Naphthalene	ND		5	1	05/23/08 18:21	GY	4458752
Phenanthrene	ND		5	1	05/23/08 18:21	GY	4458752
Pyrene	ND		5	1	05/23/08 18:21	GY	4458752
Surr: 2-Fluorobiphenyl	68.0	%	23-116	1	05/23/08 18:21	GY	4458752
Surr: Nitrobenzene-d5	62.0	%	21-114	1	05/23/08 18:21	GY	4458752
Surr: Terphenyl-d14	36.0	%	22-141	1	05/23/08 18:21	GY	4458752

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	1600		100	100	05/20/08 11:04	A_E	4450048
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	88500		1000	100	05/12/08 15:00	KRD	4435080

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-12

Collected: 05/07/2008 13:50

SPL Sample ID: 08050648-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 18:04	LT	4441793
Ethylbenzene	ND		5	1	05/15/08 18:04	LT	4441793
Toluene	ND		5	1	05/15/08 18:04	LT	4441793
m,p-Xylene	ND		5	1	05/15/08 18:04	LT	4441793
o-Xylene	ND		5	1	05/15/08 18:04	LT	4441793
Xylenes, Total	ND		5	1	05/15/08 18:04	LT	4441793
Surr: 1,2-Dichloroethane-d4	102		% 62-130	1	05/15/08 18:04	LT	4441793
Surr: 4-Bromofluorobenzene	92.0		% 70-130	1	05/15/08 18:04	LT	4441793
Surr: Toluene-d8	100		% 74-122	1	05/15/08 18:04	LT	4441793

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID EW-1

Collected: 05/08/2008 8:35

SPL Sample ID: 08050648-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	105		2	1	05/15/08 18:45	PAC	4442432
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	105		2	1	05/15/08 18:45	PAC	4442448
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442465
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	41500		1000	1000	05/19/08 16:06	A_E	4452137
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		25	50	05/09/08 16:32	A_E	4429181
Nitrogen, Nitrate (As N)	ND		25	50	05/09/08 16:32	A_E	4428684
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	3340		1	10	05/24/08 18:08	EG	4460234
Magnesium	1040		1	10	05/24/08 18:08	EG	4460234
Potassium	74.1		2	1	05/24/08 16:54	EG	4460223
Sodium	19000		50	100	05/24/08 18:27	EG	4460237

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID EW-1

Collected: 05/08/2008 8:35

SPL Sample ID: 08050648-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/23/08 18:54	GY	4458753
2-Methylnaphthalene	ND		5	1	05/23/08 18:54	GY	4458753
Acenaphthene	ND		5	1	05/23/08 18:54	GY	4458753
Acenaphthylene	ND		5	1	05/23/08 18:54	GY	4458753
Anthracene	ND		5	1	05/23/08 18:54	GY	4458753
Benz(a)anthracene	ND		5	1	05/23/08 18:54	GY	4458753
Benzo(a)pyrene	ND		5	1	05/23/08 18:54	GY	4458753
Benzo(b)fluoranthene	ND		5	1	05/23/08 18:54	GY	4458753
Benzo(g,h,i)perylene	ND		5	1	05/23/08 18:54	GY	4458753
Benzo(k)fluoranthene	ND		5	1	05/23/08 18:54	GY	4458753
Chrysene	ND		5	1	05/23/08 18:54	GY	4458753
Dibenz(a,h)anthracene	ND		5	1	05/23/08 18:54	GY	4458753
Dibenzofuran	ND		5	1	05/23/08 18:54	GY	4458753
Fluoranthene	ND		5	1	05/23/08 18:54	GY	4458753
Fluorene	ND		5	1	05/23/08 18:54	GY	4458753
Indeno(1,2,3-cd)pyrene	ND		5	1	05/23/08 18:54	GY	4458753
Naphthalene	ND		5	1	05/23/08 18:54	GY	4458753
Phenanthrene	ND		5	1	05/23/08 18:54	GY	4458753
Pyrene	ND		5	1	05/23/08 18:54	GY	4458753
Surr: 2-Fluorobiphenyl	80.0		% 23-116	1	05/23/08 18:54	GY	4458753
Surr: Nitrobenzene-d5	80.0		% 21-114	1	05/23/08 18:54	GY	4458753
Surr: Terphenyl-d14	36.0		% 22-141	1	05/23/08 18:54	GY	4458753

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	1150		100	100	05/20/08 11:04	A_E	4450049
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	77200		1000	100	05/12/08 15:00	KRD	4435082

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID EW-1

Collected: 05/08/2008 8:35

SPL Sample ID: 08050648-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/15/08 18:32	LT	4441794
Ethylbenzene	ND		5	1	05/15/08 18:32	LT	4441794
Toluene	ND		5	1	05/15/08 18:32	LT	4441794
m,p-Xylene	ND		5	1	05/15/08 18:32	LT	4441794
o-Xylene	ND		5	1	05/15/08 18:32	LT	4441794
Xylenes, Total	ND		5	1	05/15/08 18:32	LT	4441794
Surr: 1,2-Dichloroethane-d4	98.0		% 62-130	1	05/15/08 18:32	LT	4441794
Surr: 4-Bromofluorobenzene	92.0		% 70-130	1	05/15/08 18:32	LT	4441794
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 18:32	LT	4441794

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-6

Collected: 05/08/2008 8:55

SPL Sample ID: 08050648-13

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	218		2	1	05/15/08 18:45	PAC	4442434
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	218		2	1	05/15/08 18:45	PAC	4442449
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442466
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	616		20	20	05/19/08 16:06	A_E	4452138
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		5	10	05/09/08 16:48	A_E	4429182
Nitrogen, Nitrate (As N)	ND		5	10	05/09/08 16:48	A_E	4428685
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	182		0.1	1	05/24/08 16:59	EG	4460224
Magnesium	78		0.1	1	05/24/08 16:59	EG	4460224
Potassium	4.18		2	1	05/24/08 16:59	EG	4460224
Sodium	145		0.5	1	05/24/08 16:59	EG	4460224

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-6

Collected: 05/08/2008 8:55

SPL Sample ID: 08050648-13

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	6		5	1	05/23/08 19:26	GY	4458754
2-Methylnaphthalene	6		5	1	05/23/08 19:26	GY	4458754
Acenaphthene	ND		5	1	05/23/08 19:26	GY	4458754
Acenaphthylene	ND		5	1	05/23/08 19:26	GY	4458754
Anthracene	ND		5	1	05/23/08 19:26	GY	4458754
Benz(a)anthracene	ND		5	1	05/23/08 19:26	GY	4458754
Benzo(a)pyrene	ND		5	1	05/23/08 19:26	GY	4458754
Benzo(b)fluoranthene	ND		5	1	05/23/08 19:26	GY	4458754
Benzo(g,h,i)perylene	ND		5	1	05/23/08 19:26	GY	4458754
Benzo(k)fluoranthene	ND		5	1	05/23/08 19:26	GY	4458754
Chrysene	ND		5	1	05/23/08 19:26	GY	4458754
Dibenz(a,h)anthracene	ND		5	1	05/23/08 19:26	GY	4458754
Dibenzofuran	ND		5	1	05/23/08 19:26	GY	4458754
Fluoranthene	ND		5	1	05/23/08 19:26	GY	4458754
Fluorene	ND		5	1	05/23/08 19:26	GY	4458754
Indeno(1,2,3-cd)pyrene	ND		5	1	05/23/08 19:26	GY	4458754
Naphthalene	ND		5	1	05/23/08 19:26	GY	4458754
Phenanthrene	ND		5	1	05/23/08 19:26	GY	4458754
Pyrene	ND		5	1	05/23/08 19:26	GY	4458754
Surr: 2-Fluorobiphenyl	76.0	%	23-116	1	05/23/08 19:26	GY	4458754
Surr: Nitrobenzene-d5	76.0	%	21-114	1	05/23/08 19:26	GY	4458754
Surr: Terphenyl-d14	54.0	%	22-141	1	05/23/08 19:26	GY	4458754

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	25.5		2	2	05/20/08 11:04	A_E 4450050
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	2870		20	2	05/12/08 15:00	KRD 4435083

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-6

Collected: 05/08/2008 8:55

SPL Sample ID: 08050648-13

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	12000		1000	200	05/16/08 18:20	LT	4442251
Ethylbenzene	250 J		1000	200	05/16/08 18:20	LT	4442251
Toluene	200		5	1	05/15/08 19:00	LT	4441795
m,p-Xylene	92		5	1	05/15/08 19:00	LT	4441795
o-Xylene	22		5	1	05/15/08 19:00	LT	4441795
Xylenes, Total	114		5	1	05/15/08 19:00	LT	4441795
Surr: 1,2-Dichloroethane-d4	92.0		% 62-130	200	05/16/08 18:20	LT	4442251
Surr: 1,2-Dichloroethane-d4	94.0		% 62-130	1	05/15/08 19:00	LT	4441795
Surr: 4-Bromofluorobenzene	99.0		% 70-130	200	05/16/08 18:20	LT	4442251
Surr: 4-Bromofluorobenzene	100		% 70-130	1	05/15/08 19:00	LT	4441795
Surr: Toluene-d8	97.0		% 74-122	200	05/16/08 18:20	LT	4442251
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 19:00	LT	4441795

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID WW

Collected: 05/08/2008 9:20

SPL Sample ID: 08050648-14

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	187		2	1	05/15/08 18:45	PAC	4442435
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	187		2	1	05/15/08 18:45	PAC	4442450
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442467
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	475		20	20	05/19/08 16:06	A_E	4452139
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		2	4	05/09/08 18:10	A_E	4429187
Nitrogen,Nitrate (As N)	ND		2	4	05/09/08 18:10	A_E	4428690
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	184		0.1	1	05/24/08 17:03	EG	4460225
Magnesium	62.9		0.1	1	05/24/08 17:03	EG	4460225
Potassium	3.63		2	1	05/24/08 17:03	EG	4460225
Sodium	140		0.5	1	05/24/08 17:03	EG	4460225

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID WW

Collected: 05/08/2008 9:20

SPL Sample ID: 08050648-14

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/20/08 21:46	GY	4458763
2-Methylnaphthalene	ND		5	1	05/20/08 21:46	GY	4458763
Acenaphthene	ND		5	1	05/20/08 21:46	GY	4458763
Acenaphthylene	ND		5	1	05/20/08 21:46	GY	4458763
Anthracene	ND		5	1	05/20/08 21:46	GY	4458763
Benz(a)anthracene	ND		5	1	05/20/08 21:46	GY	4458763
Benzo(a)pyrene	ND		5	1	05/20/08 21:46	GY	4458763
Benzo(b)fluoranthene	ND		5	1	05/20/08 21:46	GY	4458763
Benzo(g,h,i)perylene	ND		5	1	05/20/08 21:46	GY	4458763
Benzo(k)fluoranthene	ND		5	1	05/20/08 21:46	GY	4458763
Chrysene	ND		5	1	05/20/08 21:46	GY	4458763
Dibenz(a,h)anthracene	ND		5	1	05/20/08 21:46	GY	4458763
Dibenzofuran	ND		5	1	05/20/08 21:46	GY	4458763
Fluoranthene	ND		5	1	05/20/08 21:46	GY	4458763
Fluorene	ND		5	1	05/20/08 21:46	GY	4458763
Indeno(1,2,3-cd)pyrene	ND		5	1	05/20/08 21:46	GY	4458763
Naphthalene	ND		5	1	05/20/08 21:46	GY	4458763
Phenanthrene	ND		5	1	05/20/08 21:46	GY	4458763
Pyrene	ND		5	1	05/20/08 21:46	GY	4458763
Surr: 2-Fluorobiphenyl	60.0		% 23-116	1	05/20/08 21:46	GY	4458763
Surr: Nitrobenzene-d5	46.0		% 21-114	1	05/20/08 21:46	GY	4458763
Surr: Terphenyl-d14	48.0		% 22-141	1	05/20/08 21:46	GY	4458763

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	144		10	10	05/20/08 11:04	A_E	4450051
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	2130		20	2	05/12/08 15:00	KRD	4435084

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID WW

Collected: 05/08/2008 9:20

SPL Sample ID: 08050648-14

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
Benzene	ND		5	1	05/16/08 17:26	LT	4442249
Ethylbenzene	ND		5	1	05/16/08 17:26	LT	4442249
Toluene	ND		5	1	05/16/08 17:26	LT	4442249
m,p-Xylene	ND		5	1	05/16/08 17:26	LT	4442249
o-Xylene	ND		5	1	05/16/08 17:26	LT	4442249
Xylenes, Total	ND		5	1	05/16/08 17:26	LT	4442249
Surr: 1,2-Dichloroethane-d4	86.0		% 62-130	1	05/16/08 17:26	LT	4442249
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/16/08 17:26	LT	4442249
Surr: Toluene-d8	96.0		% 74-122	1	05/16/08 17:26	LT	4442249

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-4

Collected: 05/08/2008 9:55

SPL Sample ID: 08050648-15

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	174		2	1	05/15/08 18:45	PAC	4442436
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	174		2	1	05/15/08 18:45	PAC	4442451
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442468
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	425		20	20	05/19/08 16:07	A_E	4452140
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		2	4	05/09/08 18:27	A_E	4429188
Nitrogen,Nitrate (As N)	ND		2	4	05/09/08 18:27	A_E	4428691
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	156		0.1	1	05/24/08 17:08	EG	4460226
Magnesium	48.3		0.1	1	05/24/08 17:08	EG	4460226
Potassium	8.04		2	1	05/24/08 17:08	EG	4460226
Sodium	79.2		0.5	1	05/24/08 17:08	EG	4460226

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-4

Collected: 05/08/2008 9:55

SPL Sample ID: 08050648-15

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	13		5	1	05/23/08 19:59	GY	4458755
2-Methylnaphthalene	9		5	1	05/23/08 19:59	GY	4458755
Acenaphthene	ND		5	1	05/23/08 19:59	GY	4458755
Acenaphthylene	ND		5	1	05/23/08 19:59	GY	4458755
Anthracene	ND		5	1	05/23/08 19:59	GY	4458755
Benz(a)anthracene	ND		5	1	05/23/08 19:59	GY	4458755
Benzo(a)pyrene	ND		5	1	05/23/08 19:59	GY	4458755
Benzo(b)fluoranthene	ND		5	1	05/23/08 19:59	GY	4458755
Benzo(g,h,i)perylene	ND		5	1	05/23/08 19:59	GY	4458755
Benzo(k)fluoranthene	ND		5	1	05/23/08 19:59	GY	4458755
Chrysene	ND		5	1	05/23/08 19:59	GY	4458755
Dibenz(a,h)anthracene	ND		5	1	05/23/08 19:59	GY	4458755
Dibenzofuran	ND		5	1	05/23/08 19:59	GY	4458755
Fluoranthene	ND		5	1	05/23/08 19:59	GY	4458755
Fluorene	ND		5	1	05/23/08 19:59	GY	4458755
Indeno(1,2,3-cd)pyrene	ND		5	1	05/23/08 19:59	GY	4458755
Naphthalene	5		5	1	05/23/08 19:59	GY	4458755
Phenanthrene	ND		5	1	05/23/08 19:59	GY	4458755
Pyrene	ND		5	1	05/23/08 19:59	GY	4458755
Surr: 2-Fluorobiphenyl	78.0		% 23-116	1	05/23/08 19:59	GY	4458755
Surr: Nitrobenzene-d5	82.0		% 21-114	1	05/23/08 19:59	GY	4458755
Surr: Terphenyl-d14	50.0		% 22-141	1	05/23/08 19:59	GY	4458755

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	ND		1	1	05/20/08 10:59	A_E 4450043
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	1660		10	1	05/12/08 15:00	KRD 4435086

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-4

Collected: 05/08/2008 9:55

SPL Sample ID: 08050648-15

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	100		5	1	05/15/08 19:57	LT	4441796
Ethylbenzene	47		5	1	05/15/08 19:57	LT	4441796
Toluene	ND		5	1	05/15/08 19:57	LT	4441796
m,p-Xylene	44		5	1	05/15/08 19:57	LT	4441796
o-Xylene	5		5	1	05/15/08 19:57	LT	4441796
Xylenes, Total	49		5	1	05/15/08 19:57	LT	4441796
Surr: 1,2-Dichloroethane-d4	94.0		% 62-130	1	05/15/08 19:57	LT	4441796
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/15/08 19:57	LT	4441796
Surr: Toluene-d8	98.0		% 74-122	1	05/15/08 19:57	LT	4441796

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID MW-2

Collected: 05/08/2008 10:35 SPL Sample ID: 08050648-16

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	308		2	1	05/15/08 18:45	PAC	4442438
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	308		2	1	05/15/08 18:45	PAC	4442452
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442469
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	633		20	20	05/19/08 16:07	A_E	4452141
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	4.55		2	4	05/09/08 18:43	A_E	4429189
Nitrogen, Nitrate (As N)	ND		2	4	05/09/08 18:43	A_E	4428692
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	323		0.1	1	05/24/08 17:12	EG	4460227
Magnesium	67.7		0.1	1	05/24/08 17:12	EG	4460227
Potassium	3.09		2	1	05/24/08 17:12	EG	4460227
Sodium	72.9		0.5	1	05/24/08 17:12	EG	4460227

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-2

Collected: 05/08/2008 10:35 SPL Sample ID: 08050648-16

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1-Methylnaphthalene	5		5	1	05/20/08 22:46	GY	4458765
2-Methylnaphthalene	ND		5	1	05/20/08 22:46	GY	4458765
Acenaphthene	ND		5	1	05/20/08 22:46	GY	4458765
Acenaphthylene	ND		5	1	05/20/08 22:46	GY	4458765
Anthracene	ND		5	1	05/20/08 22:46	GY	4458765
Benz(a)anthracene	ND		5	1	05/20/08 22:46	GY	4458765
Benzo(a)pyrene	ND		5	1	05/20/08 22:46	GY	4458765
Benzo(b)fluoranthene	ND		5	1	05/20/08 22:46	GY	4458765
Benzo(g,h,i)perylene	ND		5	1	05/20/08 22:46	GY	4458765
Benzo(k)fluoranthene	ND		5	1	05/20/08 22:46	GY	4458765
Chrysene	ND		5	1	05/20/08 22:46	GY	4458765
Dibenz(a,h)anthracene	ND		5	1	05/20/08 22:46	GY	4458765
Dibenzofuran	ND		5	1	05/20/08 22:46	GY	4458765
Fluoranthene	ND		5	1	05/20/08 22:46	GY	4458765
Fluorene	ND		5	1	05/20/08 22:46	GY	4458765
Indeno(1,2,3-cd)pyrene	ND		5	1	05/20/08 22:46	GY	4458765
Naphthalene	5		5	1	05/20/08 22:46	GY	4458765
Phenanthrene	ND		5	1	05/20/08 22:46	GY	4458765
Pyrene	ND		5	1	05/20/08 22:46	GY	4458765
Surr: 2-Fluorobiphenyl	56.0	%	23-116	1	05/20/08 22:46	GY	4458765
Surr: Nitrobenzene-d5	48.0	%	21-114	1	05/20/08 22:46	GY	4458765
Surr: Terphenyl-d14	28.0	%	22-141	1	05/20/08 22:46	GY	4458765

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L		
Sulfate	4.53		1	1	05/20/08 11:20	A_E	4450054
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue, Filterable)	2710		20	2	05/12/08 15:00	KRD	4435087

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID MW-2

Collected: 05/08/2008 10:35 SPL Sample ID: 08050648-16

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	49000		2500	500	05/17/08 10:32	LT	4443404
Ethylbenzene	570570		2500	500	05/17/08 10:32	LT	4443404
Toluene	12000		2500	500	05/17/08 10:32	LT	4443404
m,p-Xylene	200 J		2500	500	05/17/08 10:32	LT	4443404
o-Xylene	220 J		2500	500	05/17/08 10:32	LT	4443404
Xylenes, Total	420 J		2500	500	05/17/08 10:32	LT	4443404
Surr: 1,2-Dichloroethane-d4	96.0	%	62-130	500	05/17/08 10:32	LT	4443404
Surr: 1,2-Dichloroethane-d4	92.0	%	62-130	1	05/15/08 20:24	LT	4441797
Surr: 4-Bromofluorobenzene	100	%	70-130	500	05/17/08 10:32	LT	4443404
Surr: 4-Bromofluorobenzene	110	%	70-130	1	05/15/08 20:24	LT	4441797
Surr: Toluene-d8	96.0	%	74-122	500	05/17/08 10:32	LT	4443404
Surr: Toluene-d8	100	%	74-122	1	05/15/08 20:24	LT	4441797

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

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MI - Matrix Interference



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

Client Sample ID MW-5

Collected: 05/08/2008 11:20

SPL Sample ID: 08050648-17

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL							
			MCL		SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	417		2	1	05/15/08 18:45	PAC	4442439
ALKALINITY, BICARBONATE							
			MCL		SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	417		2	1	05/15/08 18:45	PAC	4442453
ALKALINITY, CARBONATE							
			MCL		SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442470
CHLORIDE, TOTAL							
			MCL		E325.2	Units: mg/L	
Chloride	333		20	20	05/19/08 16:07	A_E	4452142
ION CHROMATOGRAPHY							
			MCL		E300.0	Units: mg/L	
Bromide	ND		2	4	05/09/08 19:00	A_E	4429190
Nitrogen,Nitrate (As N)	ND		2	4	05/09/08 19:00	A_E	4428693
METALS BY METHOD 6010B, TOTAL							
			MCL		SW6010B	Units: mg/L	
Calcium	176		0.1	1	05/24/08 17:17	EG	4460228
Magnesium	32.8		0.1	1	05/24/08 17:17	EG	4460228
Potassium	3.09		2	1	05/24/08 17:17	EG	4460228
Sodium	158		0.5	1	05/24/08 17:17	EG	4460228

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-5

Collected: 05/08/2008 11:20 SPL Sample ID: 08050648-17

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	6		5	1	05/20/08 23:16	GY	4458766
2-Methylnaphthalene	5		5	1	05/20/08 23:16	GY	4458766
Acenaphthene	ND		5	1	05/20/08 23:16	GY	4458766
Acenaphthylene	ND		5	1	05/20/08 23:16	GY	4458766
Anthracene	ND		5	1	05/20/08 23:16	GY	4458766
Benz(a)anthracene	ND		5	1	05/20/08 23:16	GY	4458766
Benzo(a)pyrene	ND		5	1	05/20/08 23:16	GY	4458766
Benzo(b)fluoranthene	ND		5	1	05/20/08 23:16	GY	4458766
Benzo(g,h,i)perylene	ND		5	1	05/20/08 23:16	GY	4458766
Benzo(k)fluoranthene	ND		5	1	05/20/08 23:16	GY	4458766
Chrysene	ND		5	1	05/20/08 23:16	GY	4458766
Dibenz(a,h)anthracene	ND		5	1	05/20/08 23:16	GY	4458766
Dibenzofuran	ND		5	1	05/20/08 23:16	GY	4458766
Fluoranthene	ND		5	1	05/20/08 23:16	GY	4458766
Fluorene	ND		5	1	05/20/08 23:16	GY	4458766
Indeno(1,2,3-cd)pyrene	ND		5	1	05/20/08 23:16	GY	4458766
Naphthalene	ND		5	1	05/20/08 23:16	GY	4458766
Phenanthrene	ND		5	1	05/20/08 23:16	GY	4458766
Pyrene	ND		5	1	05/20/08 23:16	GY	4458766
Surr: 2-Fluorobiphenyl	74.0		% 23-116	1	05/20/08 23:16	GY	4458766
Surr: Nitrobenzene-d5	58.0		% 21-114	1	05/20/08 23:16	GY	4458766
Surr: Terphenyl-d14	40.0		% 22-141	1	05/20/08 23:16	GY	4458766

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	21.3		1	1	05/20/08 11:20	A_E	4450055
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	1430		10	1	05/12/08 15:00	KRD	4435088

Qualifiers:
 ND/U - Not Detected at the Reporting Limit
 B/V - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



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

Client Sample ID MW-5

Collected: 05/08/2008 11:20

SPL Sample ID: 08050648-17

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	88		5	1	05/16/08 17:53	LT	4442250
Ethylbenzene	17		5	1	05/16/08 17:53	LT	4442250
Toluene	40		5	1	05/16/08 17:53	LT	4442250
m,p-Xylene	18		5	1	05/16/08 17:53	LT	4442250
o-Xylene	ND		5	1	05/16/08 17:53	LT	4442250
Xylenes, Total	18		5	1	05/16/08 17:53	LT	4442250
Surr: 1,2-Dichloroethane-d4	86.0		% 62-130	1	05/16/08 17:53	LT	4442250
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/16/08 17:53	LT	4442250
Surr: Toluene-d8	98.0		% 74-122	1	05/16/08 17:53	LT	4442250

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

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

Client Sample ID DUP-01

Collected: 05/07/2008 0:00

SPL Sample ID: 08050648-18

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	97		2	1	05/15/08 18:45	PAC	4442440
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	97		2	1	05/15/08 18:45	PAC	4442454
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442471
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	45100		2000	2000	05/19/08 16:39	A_E	4452145
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		25	50	05/09/08 19:16	A_E	4429191
Nitrogen, Nitrate (As N)	ND		25	50	05/09/08 19:16	A_E	4428694
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	3840		1	10	05/24/08 18:12	EG	4460235
Magnesium	1030		1	10	05/24/08 18:12	EG	4460235
Potassium	85.4		2	1	05/24/08 17:21	EG	4460229
Sodium	23100		50	100	05/24/08 18:32	EG	4460238

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID DUP-01

Collected: 05/07/2008 0:00

SPL Sample ID: 08050648-18

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/23/08 20:32	GY	4458756
2-Methylnaphthalene	ND		5	1	05/23/08 20:32	GY	4458756
Acenaphthene	ND		5	1	05/23/08 20:32	GY	4458756
Acenaphthylene	ND		5	1	05/23/08 20:32	GY	4458756
Anthracene	ND		5	1	05/23/08 20:32	GY	4458756
Benz(a)anthracene	ND		5	1	05/23/08 20:32	GY	4458756
Benzo(a)pyrene	ND		5	1	05/23/08 20:32	GY	4458756
Benzo(b)fluoranthene	ND		5	1	05/23/08 20:32	GY	4458756
Benzo(g,h,i)perylene	ND		5	1	05/23/08 20:32	GY	4458756
Benzo(k)fluoranthene	ND		5	1	05/23/08 20:32	GY	4458756
Chrysene	ND		5	1	05/23/08 20:32	GY	4458756
Dibenz(a,h)anthracene	ND		5	1	05/23/08 20:32	GY	4458756
Dibenzofuran	ND		5	1	05/23/08 20:32	GY	4458756
Fluoranthene	ND		5	1	05/23/08 20:32	GY	4458756
Fluorene	ND		5	1	05/23/08 20:32	GY	4458756
Indeno(1,2,3-cd)pyrene	ND		5	1	05/23/08 20:32	GY	4458756
Naphthalene	ND		5	1	05/23/08 20:32	GY	4458756
Phenanthrene	ND		5	1	05/23/08 20:32	GY	4458756
Pyrene	ND		5	1	05/23/08 20:32	GY	4458756
Surr: 2-Fluorobiphenyl	72.0		% 23-116	1	05/23/08 20:32	GY	4458756
Surr: Nitrobenzene-d5	70.0		% 21-114	1	05/23/08 20:32	GY	4458756
Surr: Terphenyl-d14	32.0		% 22-141	1	05/23/08 20:32	GY	4458756

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	1610		100	100	05/20/08 11:22	A_E	4450056
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue,Filterable)	84300		1000	100	05/12/08 15:00	KRD	4435089

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID DUP-01

Collected: 05/07/2008 0:00

SPL Sample ID: 08050648-18

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	ND		5	1	05/16/08 16:58	LT	4442248
Ethylbenzene	ND		5	1	05/16/08 16:58	LT	4442248
Toluene	ND		5	1	05/16/08 16:58	LT	4442248
m,p-Xylene	ND		5	1	05/16/08 16:58	LT	4442248
o-Xylene	ND		5	1	05/16/08 16:58	LT	4442248
Xylenes, Total	ND		5	1	05/16/08 16:58	LT	4442248
Surr: 1,2-Dichloroethane-d4	98.0		% 62-130	1	05/16/08 16:58	LT	4442248
Surr: 4-Bromofluorobenzene	94.0		% 70-130	1	05/16/08 16:58	LT	4442248
Surr: Toluene-d8	100		% 74-122	1	05/16/08 16:58	LT	4442248

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID DUP-02

Collected: 05/08/2008 0:00

SPL Sample ID: 08050648-19

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	219		2	1	05/15/08 18:45	PAC	4442441
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	219		2	1	05/15/08 18:45	PAC	4442455
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/15/08 18:45	PAC	4442472
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	660		20	20	05/19/08 16:41	A_E	4452146
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		2	4	05/09/08 20:05	A_E	4429194
Nitrogen, Nitrate (As N)	ND		2	4	05/09/08 20:05	A_E	4428697
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	188		0.1	1	05/24/08 17:26	EG	4460230
Magnesium	81.3		0.1	1	05/24/08 17:26	EG	4460230
Potassium	3.61		2	1	05/24/08 17:26	EG	4460230
Sodium	147		0.5	1	05/24/08 17:26	EG	4460230

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/13/2008 15:25	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID DUP-02

Collected: 05/08/2008 0:00

SPL Sample ID: 08050648-19

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1-Methylnaphthalene	6		5	1	05/21/08 0:16	GY	4458768
2-Methylnaphthalene	7		5	1	05/21/08 0:16	GY	4458768
Acenaphthene	ND		5	1	05/21/08 0:16	GY	4458768
Acenaphthylene	ND		5	1	05/21/08 0:16	GY	4458768
Anthracene	ND		5	1	05/21/08 0:16	GY	4458768
Benz(a)anthracene	ND		5	1	05/21/08 0:16	GY	4458768
Benzo(a)pyrene	ND		5	1	05/21/08 0:16	GY	4458768
Benzo(b)fluoranthene	ND		5	1	05/21/08 0:16	GY	4458768
Benzo(g,h,i)perylene	ND		5	1	05/21/08 0:16	GY	4458768
Benzo(k)fluoranthene	ND		5	1	05/21/08 0:16	GY	4458768
Chrysene	ND		5	1	05/21/08 0:16	GY	4458768
Dibenz(a,h)anthracene	ND		5	1	05/21/08 0:16	GY	4458768
Dibenzofuran	ND		5	1	05/21/08 0:16	GY	4458768
Fluoranthene	ND		5	1	05/21/08 0:16	GY	4458768
Fluorene	ND		5	1	05/21/08 0:16	GY	4458768
Indeno(1,2,3-cd)pyrene	ND		5	1	05/21/08 0:16	GY	4458768
Naphthalene	5		5	1	05/21/08 0:16	GY	4458768
Phenanthrene	ND		5	1	05/21/08 0:16	GY	4458768
Pyrene	ND		5	1	05/21/08 0:16	GY	4458768
Surr: 2-Fluorobiphenyl	84.0		% 23-116	1	05/21/08 0:16	GY	4458768
Surr: Nitrobenzene-d5	64.0		% 21-114	1	05/21/08 0:16	GY	4458768
Surr: Terphenyl-d14	36.0		% 22-141	1	05/21/08 0:16	GY	4458768

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/13/2008 16:21	N_M	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L		
Sulfate	20.6		2	2	05/20/08 11:22	A_E	4450057
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue, Filterable)	4390		40	4	05/12/08 15:00	KRD	4435090

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



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

Client Sample ID DUP-02

Collected: 05/08/2008 0:00

SPL Sample ID: 08050648-19

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
Benzene	11000		1000	200	05/16/08 19:15	LT	4442252
Ethylbenzene	220 J		1000	200	05/16/08 19:15	LT	4442252
Toluene	200		5	1	05/16/08 16:03	LT	4442247
m,p-Xylene	88		5	1	05/16/08 16:03	LT	4442247
o-Xylene	22		5	1	05/16/08 16:03	LT	4442247
Xylenes, Total	110		5	1	05/16/08 16:03	LT	4442247
Surr: 1,2-Dichloroethane-d4	92.0		% 62-130	200	05/16/08 19:15	LT	4442252
Surr: 1,2-Dichloroethane-d4	88.0		% 62-130	1	05/16/08 16:03	LT	4442247
Surr: 4-Bromofluorobenzene	99.0		% 70-130	200	05/16/08 19:15	LT	4442252
Surr: 4-Bromofluorobenzene	98.0		% 70-130	1	05/16/08 16:03	LT	4442247
Surr: Toluene-d8	96.0		% 74-122	200	05/16/08 19:15	LT	4442252
Surr: Toluene-d8	98.0		% 74-122	1	05/16/08 16:03	LT	4442247

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID Trip Blank

Collected: 05/08/2008 0:00

SPL Sample ID: 08050648-20

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
Benzene	ND		5	1	05/16/08 15:36	LT	4442246
Ethylbenzene	ND		5	1	05/16/08 15:36	LT	4442246
Toluene	ND		5	1	05/16/08 15:36	LT	4442246
m,p-Xylene	ND		5	1	05/16/08 15:36	LT	4442246
o-Xylene	ND		5	1	05/16/08 15:36	LT	4442246
Xylenes, Total	ND		5	1	05/16/08 15:36	LT	4442246
Surr: 1,2-Dichloroethane-d4	88.0		% 62-130	1	05/16/08 15:36	LT	4442246
Surr: 4-Bromofluorobenzene	100		% 70-130	1	05/16/08 15:36	LT	4442246
Surr: Toluene-d8	96.0		% 74-122	1	05/16/08 15:36	LT	4442246

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

Quality Control Documentation



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 08050648
Lab Batch ID: 79002

Method Blank

RunID: TJA_080524A-4460212 Units: mg/L
Analysis Date: 05/24/2008 16:04 Analyst: EG
Preparation Date: 05/13/2008 15:25 Prep By: DD Method SW3010A

Analyte	Result	Rep Limit
Calcium	ND	0.1
Magnesium	ND	0.1
Potassium	ND	2
Sodium	ND	0.5

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11E	MW-12
08050648-12E	EW-1
08050648-13E	MW-6
08050648-14E	VV
08050648-15E	MW-4
08050648-16E	MW-2
08050648-17E	MW-5
08050648-18E	DUP-01
08050648-19E	DUP-02

Laboratory Control Sample (LCS)

RunID: TJA_080524A-4460213 Units: mg/L
Analysis Date: 05/24/2008 16:09 Analyst: EG
Preparation Date: 05/13/2008 15:25 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.028	102.8	80	120
Magnesium	1.000	1.005	100.5	80	120
Potassium	10.00	10.06	100.6	80	120
Sodium	1.000	0.9996	99.96	80	120

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

Sample Spiked: 08050652-01
RunID: TJA_080524A-4460215 Units: mg/L
Analysis Date: 05/24/2008 16:18 Analyst: EG
Preparation Date: 05/13/2008 15:25 Prep By: DD Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	46.20	1	47.75	N/C	1	47.48	N/C	N/C	20	75	125
Magnesium	4.362	1	5.425	N/C	1	5.413	N/C	N/C	20	75	125
Potassium	3.596	10	13.41	98.17	10	14.56	109.6	8.202	20	75	125
Sodium	18.69	1	19.83	N/C	1	19.75	N/C	N/C	20	75	125

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

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 08050648
Lab Batch ID: 79002

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C

WorkOrder: 08050648
Lab Batch ID: 78990

Method Blank

RunID: J_080520B-4458757 Units: ug/L
Analysis Date: 05/20/2008 18:45 Analyst: GY
Preparation Date: 05/13/2008 16:21 Prep By: N_M Method SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11B	MW-12
08050648-12B	EW-1
08050648-13B	MW-6
08050648-14B	WW
08050648-15B	MW-4
08050648-16B	MW-2
08050648-17B	MW-5
08050648-18B	DUP-01
08050648-19B	DUP-02

Analyte	Result	Rep Limit
1-Methylnaphthalene	ND	5.0
2-Methylnaphthalene	ND	5.0
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benz(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Chrysene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Dibenzofuran	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Naphthalene	ND	5.0
Phenanthrene	ND	5.0
Pyrene	ND	5.0
Surr: 2-Fluorobiphenyl	64.0	23-116
Surr: Nitrobenzene-d5	54.0	21-114
Surr: Terphenyl-d14	68.0	22-141

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: J_080520B-4458758 Units: ug/L
Analysis Date: 05/20/2008 19:16 Analyst: GY
Preparation Date: 05/13/2008 16:21 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1-Methylnaphthalene	50.0	41.0	82.0	50.0	42.0	84.0	2.4	50	30	120
2-Methylnaphthalene	50.0	42.0	84.0	50.0	45.0	90.0	6.9	50	20	170
Acenaphthene	50.0	45.0	90.0	50.0	47.0	94.0	4.3	31	30	150
Acenaphthylene	50.0	42.0	84.0	50.0	44.0	88.0	4.7	50	33	250
Anthracene	50.0	37.0	74.0	50.0	40.0	80.0	7.8	50	27	133
Benz(a)anthracene	50.0	36.0	72.0	50.0	38.0	76.0	5.4	50	33	143
Benzo(a)pyrene	50.0	41.0	82.0	50.0	45.0	90.0	9.3	50	17	163
Benzo(b)fluoranthene	50.0	41.0	82.0	50.0	43.0	86.0	4.8	50	24	159

Qualifiers: ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C

WorkOrder: 08050648
Lab Batch ID: 78990

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: J_080520B-4458758 Units: ug/L
Analysis Date: 05/20/2008 19:16 Analyst: GY
Preparation Date: 05/13/2008 16:21 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzo(g,h,i)perylene	50.0	46.0	92.0	50.0	50.0	100	8.3	50	30	160
Benzo(k)fluoranthene	50.0	45.0	90.0	50.0	48.0	96.0	6.5	50	11	162
Chrysene	50.0	41.0	82.0	50.0	43.0	86.0	4.8	50	17	168
Dibenz(a,h)anthracene	50.0	42.0	84.0	50.0	42.0	84.0	0.0	50	30	160
Dibenzofuran	50.0	45.0	90.0	50.0	47.0	94.0	4.3	50	30	150
Fluoranthene	50.0	41.0	82.0	50.0	44.0	88.0	7.1	50	26	137
Fluorene	50.0	44.0	88.0	50.0	46.0	92.0	4.4	50	30	150
Indeno(1,2,3-cd)pyrene	50.0	29.0	58.0	50.0	33.0	66.0	12.9	50	30	160
Naphthalene	50.0	42.0	84.0	50.0	44.0	88.0	4.7	50	21	133
Phenanthrene	50.0	43.0	86.0	50.0	46.0	92.0	6.7	50	10	140
Pyrene	50.0	42.0	84.0	50.0	45.0	90.0	6.9	31	30	150
Surr: 2-Fluorobiphenyl	50.0	45.0	90.0	50.0	47.0	94.0	4.3	30	23	116
Surr: Nitrobenzene-d5	50.0	36.0	72.0	50.0	38.0	76.0	5.4	30	21	114
Surr: Terphenyl-d14	50.0	39.0	78.0	50.0	41.0	82.0	5.0	30	22	141

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 08050648
Lab Batch ID: R237822

Method Blank

RunID: K_080515A-4441780 Units: ug/L
Analysis Date: 05/15/2008 12:02 Analyst: LT
Preparation Date: 05/15/2008 12:02 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes, Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	90.0	62-130
Surr: 4-Bromofluorobenzene	96.0	70-130
Surr: Toluene-d8	100.0	74-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-01A	MW-15
08050648-02A	MW-16
08050648-03A	MW-13
08050648-04A	MW-17
08050648-05A	MW-19
08050648-06A	MW-11
08050648-07A	MW-14
08050648-08A	MW-20
08050648-09A	MW-18
08050648-10A	MW-10
08050648-11A	MW-12
08050648-12A	EW-1
08050648-13A	MW-6
08050648-15A	MW-4
08050648-16A	MW-2

Laboratory Control Sample (LCS)

RunID: K_080515A-4441779 Units: ug/L
Analysis Date: 05/15/2008 10:48 Analyst: LT
Preparation Date: 05/15/2008 10:48 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.0	90.0	76	126
Ethylbenzene	20.0	17.0	85.0	67	122
Toluene	20.0	17.0	85.0	70	131
m,p-Xylene	40.0	34.0	85.0	72	150
o-Xylene	20.0	17.0	85.0	78	141
Xylenes, Total	60	51	85	72	150
Surr: 1,2-Dichloroethane-d4	50.0	45	90.0	62	130
Surr: 4-Bromofluorobenzene	50.0	48	96.0	70	130
Surr: Toluene-d8	50.0	50	100	74	122

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

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

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 08050648
Lab Batch ID: R237822

Sample Spiked: 08050648-01
RunID: K_080515A-4441782 Units: ug/L
Analysis Date: 05/15/2008 12:57 Analyst: LT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20.0	100	20	19.0	95.0	5.13	22	76	127
Ethylbenzene	ND	20	17.0	85.0	20	17.0	85.0	0	20	35	175
Toluene	ND	20	18.0	90.0	20	17.0	85.0	5.71	24	70	131
m,p-Xylene	ND	40	35.0	87.5	40	34.0	85.0	2.90	20	35	175
o-Xylene	ND	20	17.0	85.0	20	17.0	85.0	0	20	35	175
Xylenes, Total	ND	60	52	87	60	51	85	1.9	20	35	175
Surr: 1,2-Dichloroethane-d4	ND	50	49	98.0	50	48.0	96.0	2.06	30	62	130
Surr: 4-Bromofluorobenzene	ND	50	49	98.0	50	49.0	98.0	0	30	70	130
Surr: Toluene-d8	ND	50	49	98.0	50	49.0	98.0	0	30	74	122

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 08050648
Lab Batch ID: R237847

Method Blank

RunID: K_080516B-4442245 Units: ug/L
Analysis Date: 05/16/2008 15:08 Analyst: LT
Preparation Date: 05/16/2008 15:08 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes, Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	86.0	62-130
Surr: 4-Bromofluorobenzene	96.0	70-130
Surr: Toluene-d8	98.0	74-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-13A	MW-6
08050648-14A	WW
08050648-17A	MW-5
08050648-18A	DUP-01
08050648-19A	DUP-02
08050648-20A	Trip Blank

Laboratory Control Sample (LCS)

RunID: K_080516B-4442244 Units: ug/L
Analysis Date: 05/16/2008 14:17 Analyst: LT
Preparation Date: 05/16/2008 14:17 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.0	95.0	76	126
Ethylbenzene	20.0	16.0	80.0	67	122
Toluene	20.0	17.0	85.0	70	131
m,p-Xylene	40.0	32.0	80.0	72	150
o-Xylene	20.0	16.0	80.0	78	141
Xylenes, Total	60	48	80	72	150
Surr: 1,2-Dichloroethane-d4	50.0	44	88.0	62	130
Surr: 4-Bromofluorobenzene	50.0	49	98.0	70	130
Surr: Toluene-d8	50.0	48	96.0	74	122

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

Sample Spiked: 08050959-07
RunID: K_080516B-4442254 Units: ug/L
Analysis Date: 05/16/2008 20:38 Analyst: LT

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 08050648
Lab Batch ID: R237847

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	21.0	105	20	23.0	115	9.09	22	76	127
Ethylbenzene	ND	20	18.0	90.0	20	20.0	100	10.5	20	35	175
Toluene	ND	20	19.0	95.0	20	20.0	100	5.13	24	70	131
m,p-Xylene	ND	40	36.0	90.0	40	39.0	97.5	8.00	20	35	175
o-Xylene	ND	20	18.0	90.0	20	20.0	100	10.5	20	35	175
Xylenes, Total	ND	60	54	90	60	59	98	8.8	20	35	175
Surr: 1,2-Dichloroethane-d4	ND	50	46	92.0	50	47.0	94.0	2.15	30	62	130
Surr: 4-Bromofluorobenzene	ND	50	50	100	50	49.0	98.0	2.02	30	70	130
Surr: Toluene-d8	ND	50	49	98.0	50	48.0	96.0	2.06	30	74	122

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 08050648
Lab Batch ID: R237923

Method Blank

RunID: K_080516C-4443392 Units: ug/L
Analysis Date: 05/17/2008 4:57 Analyst: LT
Preparation Date: 05/17/2008 4:57 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID Client Sample ID
08050648-16A MW-2

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes, Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	92.0	62-130
Surr: 4-Bromofluorobenzene	98.0	70-130
Surr: Toluene-d8	96.0	74-122

Laboratory Control Sample (LCS)

RunID: K_080516C-4443391 Units: ug/L
Analysis Date: 05/17/2008 4:02 Analyst: LT
Preparation Date: 05/17/2008 4:02 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	21.0	105	76	126
Ethylbenzene	20.0	19.0	95.0	67	122
Toluene	20.0	19.0	95.0	70	131
m,p-Xylene	40.0	37.0	92.5	72	150
o-Xylene	20.0	19.0	95.0	78	141
Xylenes, Total	60	56	93	72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0	62	130
Surr: 4-Bromofluorobenzene	50.0	50	100	70	130
Surr: Toluene-d8	50.0	48	96.0	74	122

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

Sample Spiked: 08051192-09
RunID: K_080516C-4443394 Units: ug/L
Analysis Date: 05/17/2008 5:53 Analyst: LT

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

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 08050648
Lab Batch ID: R237923

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	9300	1000	10000	N/C	1000	10000	N/C	N/C	22	76	127
Ethylbenzene	740	1000	1700	96.0	1000	1700	96.0	0	20	35	175
Toluene	5200	1000	6200	N/C	1000	6300	N/C	N/C	24	70	131
m,p-Xylene	2100	2000	4100	100	2000	4100	100	0	20	35	175
o-Xylene	1100	1000	2000	90.0	1000	2100	100	4.88	20	35	175
Xylenes, Total	3200	3000	6100	97	3000	6200	100	1.6	20	35	175
Surr: 1,2-Dichloroethane-d4	ND	2500	2300	92.0	2500	2400	96.0	4.26	30	62	130
Surr: 4-Bromofluorobenzene	ND	2500	2500	100	2500	2500	100	0	30	70	130
Surr: Toluene-d8	ND	2500	2400	96.0	2500	2400	96.0	0	30	74	122

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 08050648
Lab Batch ID: R236980D

Method Blank

RunID: IC1_080509B-4428688 Units: mg/L
Analysis Date: 05/09/2008 17:37 Analyst: A_E

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-14C	WW
08050648-15C	MW-4
08050648-16C	MW-2
08050648-17C	MW-5
08050648-18C	DUP-01
08050648-19C	DUP-02

Laboratory Control Sample (LCS)

RunID: IC1_080509B-4428689 Units: mg/L
Analysis Date: 05/09/2008 17:54 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.679	96.79	85	115

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

Sample Spiked: 08050648-19
RunID: IC1_080509B-4428698 Units: mg/L
Analysis Date: 05/09/2008 20:22 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	ND	40	34.89	87.22	40	35.01	87.52	0.3376	20	80	120

Qualifiers:

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

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 08050648
Lab Batch ID: R236980S

Method Blank

RunID: IC1_080509B-4428676 Units: mg/L
Analysis Date: 05/09/2008 13:38 Analyst: A_E

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11C	MW-12
08050648-12C	EW-1
08050648-13C	MW-6

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_080509B-4428677 Units: mg/L
Analysis Date: 05/09/2008 13:54 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.916	99.16	85	115

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

Sample Spiked: 08050600-01
RunID: IC1_080509B-4428679 Units: mg/L
Analysis Date: 05/09/2008 14:27 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	ND	10	8.823	88.23	10	8.857	88.57	0.3846	20	80	120

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

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 08050648
Lab Batch ID: R237009D

Method Blank

RunID: IC1_080509E-4429185 Units: mg/L
Analysis Date: 05/09/2008 17:37 Analyst: A_E

Analyte	Result	Rep Limit
Bromide	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-14C	WW
08050648-15C	MW-4
08050648-16C	MW-2
08050648-17C	MW-5
08050648-18C	DUP-01
08050648-19C	DUP-02

Laboratory Control Sample (LCS)

RunID: IC1_080509E-4429186 Units: mg/L
Analysis Date: 05/09/2008 17:54 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bromide	10.00	9.981	99.81	85	115

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

Sample Spiked: 08050648-19
RunID: IC1_080509E-4429195 Units: mg/L
Analysis Date: 05/09/2008 20:22 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Bromide	ND	40	40.35	97.24	40	40.58	97.80	0.5486	20	80	120

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 08050648
Lab Batch ID: R237009S

Method Blank

RunID: IC1_080509E-4429175 Units: mg/L
Analysis Date: 05/09/2008 13:38 Analyst: A_E

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11C	MW-12
08050648-12C	EW-1
08050648-13C	MW-6

Analyte	Result	Rep Limit
Bromide	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_080509E-4429176 Units: mg/L
Analysis Date: 05/09/2008 13:54 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bromide	10.00	9.763	97.63	85	115

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

Sample Spiked: 08050600-01
RunID: IC1_080509E-4429178 Units: mg/L
Analysis Date: 05/09/2008 14:27 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Bromide	ND	10	9.592	95.92	10	9.685	96.85	0.9649	20	80	120

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 08050648
Lab Batch ID: R237383

Method Blank

RunID: WET_080512ZH-4435067 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-13D	MW-6
08050648-14D	WW
08050648-15D	MW-4
08050648-16D	MW-2
08050648-17D	MW-5
08050648-18D	DUP-01
08050648-19D	DUP-02

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_080512ZH-4435069 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Dissolved Solids (Residue,Filterable)	200.0	202.0	101.0	200.0	198.0	99.00	2.0	10	95	107

Sample Duplicate

Original Sample: 08050648-14
RunID: WET_080512ZH-4435084 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filterable)	2130	2132	0.188	20

Qualifiers:

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

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 08050648
Lab Batch ID: R237383A

Method Blank

RunID: WET_080512ZH-4435067 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11D	MW-12
08050648-12D	EW-1

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_080512ZH-4435069 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filtera	200.0	202.0	101.0	200.0	198.0	99.00	2.0	10	95	107

Sample Duplicate

Original Sample: 08050415-01
RunID: WET_080512ZH-4435071 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filtera	3410	3410	0.0587	20

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Alkalinity (as CaCO₃), Total
Method: SM2320B

WorkOrder: 08050648
Lab Batch ID: R237857

Method Blank

RunID: WET_080515ZK-4442427 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Total (As CaCO ₃)	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11D	MW-12
08050648-12D	EW-1
08050648-13D	MW-6
08050648-14D	WW
08050648-15D	MW-4
08050648-16D	MW-2
08050648-17D	MW-5
08050648-18D	DUP-01
08050648-19D	DUP-02

Laboratory Control Sample (LCS)

RunID: WET_080515ZK-4442430 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO ₃)	86.30	85.00	98.49	90	110

Sample Duplicate

Original Sample: 08050648-19
RunID: WET_080515ZK-4442441 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO ₃)	219	219	0	20

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Alkalinity, Bicarbonate
Method: SM2320B

WorkOrder: 08050648
Lab Batch ID: R237862

Method Blank

RunID: WET_080515ZL-4442444 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11D	MW-12
08050648-12D	EW-1
08050648-13D	MW-6
08050648-14D	WW
08050648-15D	MW-4
08050648-16D	MW-2
08050648-17D	MW-5
08050648-18D	DUP-01
08050648-19D	DUP-02

Laboratory Control Sample (LCS)

RunID: WET_080515ZL-4442446 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	86.30	85.00	98.49	90	110

Sample Duplicate

Original Sample: 08050648-19
RunID: WET_080515ZL-4442455 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	219	219	0	20

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Alkalinity, Carbonate
Method: SM2320B

WorkOrder: 08050648
Lab Batch ID: R237863

Method Blank

RunID: WET_080515ZM-4442461 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11D	MW-12
08050648-12D	EW-1
08050648-13D	MW-6
08050648-14D	WW
08050648-15D	MW-4
08050648-16D	MW-2
08050648-17D	MW-5
08050648-18D	DUP-01
08050648-19D	DUP-02

Laboratory Control Sample (LCS)

RunID: WET_080515ZM-4442463 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	86.30	85.00	98.49	90	110

Sample Duplicate

Original Sample: 08050648-19
RunID: WET_080515ZM-4442472 Units: mg/L
Analysis Date: 05/15/2008 18:45 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	0	20

Qualifiers:

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

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

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5/27/2008 4:24:21 PM



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Sulfate, Total
Method: E375.4

WorkOrder: 08050648
Lab Batch ID: R238325S

Method Blank

RunID: KONELAB_080520A-4450027 Units: mg/L
Analysis Date: 05/20/2008 9:46 Analyst: A_E

Analyte	Result	Rep Limit
Sulfate	ND	1.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11C	MW-12
08050648-12C	EW-1
08050648-13C	MW-6
08050648-14C	WW
08050648-15C	MW-4
08050648-16C	MW-2
08050648-17C	MW-5
08050648-18C	DUP-01
08050648-19C	DUP-02

Laboratory Control Sample (LCS)

RunID: KONELAB_080520A-44500 Units: mg/L
Analysis Date: 05/20/2008 9:46 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Sulfate	10.00	9.456	94.56	80	120

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

Sample Spiked: 08050648-15
RunID: KONELAB_080520A-44500 Units: mg/L
Analysis Date: 05/20/2008 10:59 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sulfate	ND	10	9.721	97.21	10	9.380	93.80	3.562	20	75	125

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Chloride, Total
Method: E325.2

WorkOrder: 08050648
Lab Batch ID: R238460D

Method Blank

RunID: KONELAB_080519E-4452130 Units: mg/L
Analysis Date: 05/19/2008 15:52 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	1.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050648-11C	MW-12
08050648-12C	EW-1
08050648-13C	MW-6
08050648-14C	WW
08050648-15C	MW-4
08050648-16C	MW-2
08050648-17C	MW-5
08050648-18C	DUP-01
08050648-19C	DUP-02

Laboratory Control Sample (LCS)

RunID: KONELAB_080519E-44521 Units: mg/L
Analysis Date: 05/19/2008 15:52 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	50.00	48.03	96.06	80	120

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

Sample Spiked: 08050648-11
RunID: KONELAB_080519E-44521 Units: mg/L
Analysis Date: 05/19/2008 16:06 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	48620	5000	45060	N/C	5000	45130	N/C	N/C	20	76	131

Qualifiers:

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

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

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

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5/27/2008 4:24:21 PM

*Sample Receipt Checklist
And
Chain of Custody*



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

Sample Receipt Checklist

Workorder:	08050648	Received By:	RE
Date and Time Received:	5/9/2008 10:00:00 AM	Carrier name:	Fedex-Priority
Temperature:	3.5°C	Chilled by:	Water Ice

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

*VOA Preservation Checked After Sample Analysis

SPL Representative: Agarwal, Bethany A.

Contact Date & Time: 5/13/2008 8:35:00 AM

Client Name Contacted: Greg Pope

Non Conformance
Issues:

Client Instructions: Analyze the trip blank for 8260-BTEX per client instructions.



Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number:

08050648

Attention: Greg Pope

Phone: 432-686-8081

email: gwpope@aol.com

Address: 1703 W Industrial Avenue

City: Midland

State: TX

Zip Code: 79701

Project Name: COP Majanar

P.O. Number:

Sampled By:

[Signature]

HL Brooks

print

Sample ID	Collected		Sample Type	Matrix		Bottle	Preservative	# of Containers	8260-B	8270-P	Br, CL	Metals	TDS,	HCO3
	Date	Time		Comp	Grab									
MW-15	5/6/08	1110						1	3	1				
MW-16		1350						1	3	1				
MW-13		1440						1	3	1				
MW-17	5/7/08	0835						1	3	1				
MW-19		0850						1	3	1				
MW-11		0940						1	3	1				
MW-14		1015						1	3	1				
MW-20		1105						1	3	1				
MW-18		1225						1	3	1				
MW-10		1310						1	3	1				

RUSH

Remarks:

Intact? Y or N

Temperature: 35C

Bottle Types:

1: 3/40ml Vials 2. 1L Glass 3. 1L Plastic 4. 1L Amber Glass 5. 8oz Plastic

Preservative Types:

1: NONE 2. HNO3 3. HCL 4. H2SO4

Turnaround Time Requirements

24 hr () 48 hr ()

72 hr () 5 wday ()

10 wday - Standard

Relinquished by Sampler:

Date

Time

Received by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by:

PUSH



Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number:

08050648

Attention: Greg Pope

Phone: 432-686-8081

email: gwpoppe@aol.com

Address: 1703 W Industrial Avenue

City: Midland

State: TX

Zip Code: 79701

Project Name: COP Mallenar

P.O. Number:

Sampled By: *[Signature]*

signature

HL Breaks

print

Sample ID	Collected			Sample Type	Comp	Grab	Water	Matrix	Soil	Bottle Type	Preservative Type	# of Containers	8260-BTEX	8270-PAH	Br, Cl, NO3, SO4 300.0	Metals- K, Mg, Na, Ca 60.10	TDS	HCO3, CO3, Total Alk
	Date	Time																
MU-12	5/7/08	1350								1	3	1	X					
EW-1	5/8/08	0835								1	3	1	X					
EW-1										4	1	2						
EW-1										3	1	2						
MU-12	5/7/08	1350								4	1	2						
MU-12										3	1	2						
MU-12										5	2	1						
MU-6	5/8/08	0855								1	3	1	X					
MU-6										4	1	2						

Remarks:

Bottle Types: 1: 3/40ml Vials 2: 1L Glass 3: 1L Plastic 4: 1L Amber Glass
Preservative Types: 1: NONE 2: HNO3 3: HCL 4: H2SO4

Intact
Temperature: 68.0 F
68.0 F
68.0 F

Turnaround Time Requirements

24 hr () 48 hr ()

72 hr () 5 wday ()

10 wday - Standard

Relinquished by Sampler:

Relinquished by:

Relinquished by:

Date: 5/9/08

Time: 1000

Received by SPL, Inc. *[Signature]*



Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number:

08050648

Attention: Greg Pope

Phone: 432-686-8081

email: gwpope@aol.com

Address: 1703 W Industrial Avenue

City: Midland

State: TX

Zip Code: 79701

Project Name: COP Mallamar

P.O. Number:

Sampled By:

[Signature]

HL Brooks

print

Sample ID	Collected		Sample Type		Matrix		Bottle Type	Preservative Type	# of Containers	8260-BTEX	8270-PAH	Br, CL, NO3, SO4-300.0	Metals - K, Mg, Na, Ca-60.10	TDS,	HCO3, CO3, Total Alk
	Date	Time	Comp	Grab	Water	Soil									
MW-6	5/6/08	0855					3	1	2						
MW-6	5/6/08	0920					5	2	1						
MW-6	5/6/08	0940					1	3	1						
MW-6	5/6/08	0955					4	1	2						
MW-4	5/6/08	0955					3	1	2						
MW-4	5/6/08	0955					5	2	1						
MW-4	5/6/08	0955					1	3	1						
MW-4	5/6/08	0955					4	1	2						
MW-4	5/6/08	0955					3	1	2						
MW-4	5/6/08	0955					5	2	1						

Turnaround Time Requirements

Remarks:

24 hr() 48 hr()
72 hr() 5 wday()
10 wday - Standard

Bottle Types:

1: 3/40ml Vials 2: 1L Glass 3: 1L Plastic 4: 1L Amber Glass 5: 8oz Plastic

Preservative Types:

1: NONE 2: HNO3 3: HCL 4: H2SO4

Relinquished by Sampler:

Received by:

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by SPL Inc.

5/9/08



Page 5 of 5

Client Name: Tetra Tech / Conoco Phillips		matrix		bottle		size		pres.		Requested Analysis	
Address: 1703 W. Industrial Ave. Midland, TX 79701		W=water S=soil O=oil SL=sludge X=other		P=plastic A=amber glass G=glass V=vial X=other		1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other		1=HCl 2=HNO3 3=H2SO4 X=other		8260-BTEX L2	
Phone/Fax: 432-686-8081										8270-PAH	
Client Contact: Greg Pope Email: greg.pope@conoco.com										Br, Cl, NO3, SO4 - 300.0	
Project Name/No.: CCF Midland										Metals - K, Na, Ni, Ca - 22 6010	
Site Name:										TDS	
Site Location: Midland, Nuv										HCO3, CO3, TCH / ALK	
Invoice To:		Ph:									
SAMPLE ID	DATE	TIME	comp	grab							
Dup-01	5/8/08	-		X	W	P	1	X	2		
Dup-01	5/8/08	-		X	W	P	40	2	1		
Dup-02	5/8/08	-		X	W	V	1	X	3		
Dup-02	5/8/08	-		X	W	A	1	X	2		
Dup-02	5/8/08	-		X	W	P	1	X	2		
Dup-02	5/8/08	-		X	W	P	1	X	1		
Tip Blank	5/8/08										
RUST											
Client/Consultant Remarks:											
Laboratory remarks:											
Requested TAT											
Contract	72hr	Special Reporting Requirements Results:									
24hr	Standard	Fax Email PDF									
48hr		LA RECAP									
Other		Special Detection Limits (specify):									
1. Relinquished by Samples:		date		time		2. Received by:		date		time	
3. Relinquished by:		date		time		4. Received by:		date		time	
5. Relinquished by:		date		time		6. Received by Laboratory:		date		time	
PM review (initial):		Intact?		Ice?		Temp:		3.8		3.8	



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

Conoco Phillips

Certificate of Analysis Number:

08050531

Report To: Tetra Tech Greg Pope 1703 W Industrial Avenue Midland TX 79701- ph: (432) 686-8081 fax:	Project Name: COP Maljamar Gas Plant Site: Maljamar, NM Site Address: PO Number: 4509825328 State: New Mexico State Cert. No.: Date Reported:
---	--

This Report Contains A Total Of 40 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

6/2/2008

Date

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



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

Case Narrative for:
Conoco Phillips

Certificate of Analysis Number:
08050531

Report To: Tetra Tech Greg Pope 1703 W Industrial Avenue Midland TX 79701- ph: (432) 686-8081 fax:	Project Name: COP Maljamar Gas Plant Site: Maljamar, NM Site Address: PO Number: 4509825328 State: New Mexico State Cert. No.: Date Reported:
--	--

Your sample ID's "MW-15" and "MW-16" (SPL ID: 08050531-01 and -02) were analyzed several hours outside the method holding time for Nitrate as N by Method 300.0.

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

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

For Ion Chromatography analysis by EPA Method 300.0, your sample ID's "MW-13", "MW-19", "MW-11", and "MW-20" (SPL ID's: 08050531-03, -05, -06, and -08) were reported with Bromide and/or Nitrate as N as nondetect with elevated sample quantitation limits due to sample matrix interference from high concentration of chloride in the samples; the lowest possible dilutions were performed.

Your sample ID "MW-15" (SPL ID: 08050531-01) was randomly selected for use in SPL's quality control program for the Semivolatiles Organics analysis by SW846 Method 8270. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for several compounds (Batch ID: 78853) 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.

Your sample ID "MW-15" (SPL ID: 08050531-01) was randomly selected for use in SPL's quality control program for the Chloride analysis by EPA Method 325.2. The Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Chloride (Batch ID: R238460S) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

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

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

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

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

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

08050531 Page 1

6/4/2008

Bethany A. Agarwal
Senior Project Manager

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

Date



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

Conoco Phillips

Certificate of Analysis Number:

08050531

Report To: Tetra Tech
Greg Pope
1703 W Industrial Avenue

Midland
TX

79701-

ph: (432) 686-8081

fax: (432) 686-8085

Project Name: COP Maljamar Gas Plant

Site: Maljamar, NM

Site Address:

PO Number: 4509825328

State: New Mexico

State Cert. No.:

Date Reported:

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-15	08050531-01	Water	5/6/2008 11:10:00 AM	5/8/2008 10:00:00 AM		☐
MW-16	08050531-02	Water	5/6/2008 1:50:00 PM	5/8/2008 10:00:00 AM		☐
MW-13	08050531-03	Water	5/6/2008 2:40:00 PM	5/8/2008 10:00:00 AM		☐
MW-17	08050531-04	Water	5/7/2008 8:35:00 AM	5/8/2008 10:00:00 AM		☐
MW-19	08050531-05	Water	5/7/2008 8:50:00 AM	5/8/2008 10:00:00 AM		☐
MW-11	08050531-06	Water	5/7/2008 9:40:00 AM	5/8/2008 10:00:00 AM		☐
MW-14	08050531-07	Water	5/7/2008 10:15:00 AM	5/8/2008 10:00:00 AM		☐
MW-20	08050531-08	Water	5/7/2008 11:05:00 AM	5/8/2008 10:00:00 AM		☐
MW-18	08050531-09	Water	5/7/2008 12:25:00 PM	5/8/2008 10:00:00 AM		☐
MW-10	08050531-10	Water	5/7/2008 1:10:00 PM	5/8/2008 10:00:00 AM		☐

Bethany Agarwal

Bethany A. Agarwal
Senior Project Manager

6/2/2008

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer



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

Client Sample ID: MW-15

Collected: 05/06/2008 11:10 SPL Sample ID: 08050531-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	229		2	1	05/13/08 12:30	PAC	4435832
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	229		2	1	05/13/08 12:30	PAC	4435864
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435891
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	135		5	5	05/19/08 13:32	A_E	4452116
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	0.845		0.5	1	05/08/08 14:18	A_E	4427539
Nitrogen, Nitrate (As N)	ND		0.5	1	05/08/08 14:18	A_E	4426164
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	92.8		0.1	1	05/25/08 11:09	EG	4460309
Magnesium	38.2		0.1	1	05/25/08 11:09	EG	4460309
Potassium	2.71		2	1	05/25/08 11:09	EG	4460309
Sodium	53		0.5	1	05/25/08 11:09	EG	4460309

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 17:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-15

Collected: 05/06/2008 11:10

SPL Sample ID: 08050531-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 16:40	GY	4441303
2-Methylnaphthalene	ND		5	1	05/15/08 16:40	GY	4441303
Acenaphthere	ND		5	1	05/15/08 16:40	GY	4441303
Acenaphthylene	ND		5	1	05/15/08 16:40	GY	4441303
Anthracene	ND		5	1	05/15/08 16:40	GY	4441303
Benz(a)anthracene	ND		5	1	05/15/08 16:40	GY	4441303
Benzo(a)pyrene	ND		5	1	05/15/08 16:40	GY	4441303
Benzo(b)fluoranthene	ND		5	1	05/15/08 16:40	GY	4441303
Benzo(g,h,i)perylene	ND		5	1	05/15/08 16:40	GY	4441303
Benzo(k)fluoranthene	ND		5	1	05/15/08 16:40	GY	4441303
Chrysene	ND		5	1	05/15/08 16:40	GY	4441303
Dibenz(a,h)anthracene	ND		5	1	05/15/08 16:40	GY	4441303
Dibenzofuran	ND		5	1	05/15/08 16:40	GY	4441303
Fluoranthene	ND		5	1	05/15/08 16:40	GY	4441303
Fluorene	ND		5	1	05/15/08 16:40	GY	4441303
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 16:40	GY	4441303
Naphthalene	ND		5	1	05/15/08 16:40	GY	4441303
Phenanthrene	ND		5	1	05/15/08 16:40	GY	4441303
Pyrene	ND		5	1	05/15/08 16:40	GY	4441303
Surr: 2-Fluorobiphenyl	76.0		% 23-116	1	05/15/08 16:40	GY	4441303
Surr: Nitrobenzene-d5	60.0		% 21-114	1	05/15/08 16:40	GY	4441303
Surr: Terphenyl-d14	26.0		% 22-141	1	05/15/08 16:40	GY	4441303

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	68.5		5	5	05/20/08 10:17	A_E	4450031
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	814		10	1	05/09/08 16:30	KRD	4430965

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-16

Collected: 05/06/2008 13:50 SPL Sample ID: 08050531-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	246		2	1	05/13/08 12:30	PAC	4435833
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	246		2	1	05/13/08 12:30	PAC	4435865
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435892
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	262		5	5	05/19/08 13:32	A_E	4452119
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	1.31		0.5	1	05/08/08 14:34	A_E	4427540
Nitrogen, Nitrate (As N)	ND		0.5	1	05/08/08 14:34	A_E	4426165
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	171		0.1	1	05/25/08 11:14	EG	4460310
Magnesium	49.1		0.1	1	05/25/08 11:14	EG	4460310
Potassium	2.9		2	1	05/25/08 15:14	EG	4460360
Sodium	70.4		0.5	1	05/25/08 11:14	EG	4460310

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 17:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MWV-16

Collected: 05/06/2008 13:50

SPL Sample ID: 08050531-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/17/08 21:45	GY	4445988
2-Methylnaphthalene	ND		5	1	05/17/08 21:45	GY	4445988
Acenaphthene	ND		5	1	05/17/08 21:45	GY	4445988
Acenaphthylene	ND		5	1	05/17/08 21:45	GY	4445988
Anthracene	ND		5	1	05/17/08 21:45	GY	4445988
Benz(a)anthracene	ND		5	1	05/17/08 21:45	GY	4445988
Benzo(a)pyrene	ND		5	1	05/17/08 21:45	GY	4445988
Benzo(b)fluoranthene	ND		5	1	05/17/08 21:45	GY	4445988
Benzo(g,h,i)perylene	ND		5	1	05/17/08 21:45	GY	4445988
Benzo(k)fluoranthene	ND		5	1	05/17/08 21:45	GY	4445988
Chrysene	ND		5	1	05/17/08 21:45	GY	4445988
Dibenz(a,h)anthracene	ND		5	1	05/17/08 21:45	GY	4445988
Dibenzofuran	ND		5	1	05/17/08 21:45	GY	4445988
Fluoranthene	ND		5	1	05/17/08 21:45	GY	4445988
Fluorene	ND		5	1	05/17/08 21:45	GY	4445988
Indeno(1,2,3-cd)pyrene	ND		5	1	05/17/08 21:45	GY	4445988
Naphthalene	ND		5	1	05/17/08 21:45	GY	4445988
Phenanthrene	ND		5	1	05/17/08 21:45	GY	4445988
Pyrene	ND		5	1	05/17/08 21:45	GY	4445988
Surr: 2-Fluorobiphenyl	86.0		% 23-116	1	05/17/08 21:45	GY	4445988
Surr: Nitrobenzene-d5	82.0		% 21-114	1	05/17/08 21:45	GY	4445988
Surr: Terphenyl-d14	22.0		% 22-141	1	05/17/08 21:45	GY	4445988

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	140		10	10	05/20/08 10:17	A_E	4450032
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	1350		10	1	05/09/08 16:30	KRD	4430966

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-13

Collected: 05/06/2008 14:40 SPL Sample ID: 08050531-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	201		2	1	05/13/08 12:30	PAC	4435834
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	201		2	1	05/13/08 12:30	PAC	4435866
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435893
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	192		5	5	05/19/08 13:32	A_E	4452120
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		2.5	5	05/08/08 14:01	A_E	4427538
Nitrogen, Nitrate (As N)	11.9		2.5	5	05/08/08 14:01	A_E	4426163
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	193		0.1	1	05/25/08 11:18	EG	4460311
Magnesium	43.9		0.1	1	05/25/08 11:18	EG	4460311
Potassium	3.09		2	1	05/25/08 11:18	EG	4460311
Sodium	66.8		0.5	1	05/25/08 11:18	EG	4460311

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 17:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-13

Collected: 05/06/2008 14:40

SPL Sample ID: 08050531-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 18:14	GY	4441305
2-Methylnaphthalene	ND		5	1	05/15/08 18:14	GY	4441305
Acenaphthene	ND		5	1	05/15/08 18:14	GY	4441305
Acenaphthylene	ND		5	1	05/15/08 18:14	GY	4441305
Anthracene	ND		5	1	05/15/08 18:14	GY	4441305
Benz(a)anthracene	ND		5	1	05/15/08 18:14	GY	4441305
Benzo(a)pyrene	ND		5	1	05/15/08 18:14	GY	4441305
Benzo(b)fluoranthene	ND		5	1	05/15/08 18:14	GY	4441305
Benzo(g,h,i)perylene	ND		5	1	05/15/08 18:14	GY	4441305
Benzo(k)fluoranthene	ND		5	1	05/15/08 18:14	GY	4441305
Chrysene	ND		5	1	05/15/08 18:14	GY	4441305
Dibenz(a,h)anthracene	ND		5	1	05/15/08 18:14	GY	4441305
Dibenzofuran	ND		5	1	05/15/08 18:14	GY	4441305
Fluoranthene	ND		5	1	05/15/08 18:14	GY	4441305
Fluorene	ND		5	1	05/15/08 18:14	GY	4441305
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 18:14	GY	4441305
Naphthalene	ND		5	1	05/15/08 18:14	GY	4441305
Phenanthrene	ND		5	1	05/15/08 18:14	GY	4441305
Pyrene	ND		5	1	05/15/08 18:14	GY	4441305
Surr: 2-Fluorobiphenyl	74.0		% 23-116	1	05/15/08 18:14	GY	4441305
Surr: Nitrobenzene-d5	48.0		% 21-114	1	05/15/08 18:14	GY	4441305
Surr: Terphenyl-d14	16 MI	*	% 22-141	1	05/15/08 18:14	GY	4441305

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	234	20	20	05/20/08 10:17	A_E	4450033
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	1270	10	1	05/09/08 16:30	KRD	4430967

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-17

Collected: 05/07/2008 8:35

SPL Sample ID: 08050531-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO3), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO3)	186		2	1	05/13/08 12:30	PAC	4435835
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	186		2	1	05/13/08 12:30	PAC	4435867
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435894
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	724		20	20	05/19/08 14:50	A_E	4452124
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	3.96		0.5	1	05/08/08 14:51	A_E	4427541
Nitrogen, Nitrate (As N)	ND		0.5	1	05/08/08 14:51	A_E	4426166
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 18:45	GY	4441306
2-Methylnaphthalene	ND		5	1	05/15/08 18:45	GY	4441306
Acenaphthene	ND		5	1	05/15/08 18:45	GY	4441306
Acenaphthylene	ND		5	1	05/15/08 18:45	GY	4441306
Anthracene	ND		5	1	05/15/08 18:45	GY	4441306
Benz(a)anthracene	ND		5	1	05/15/08 18:45	GY	4441306
Benzo(a)pyrene	ND		5	1	05/15/08 18:45	GY	4441306
Benzo(b)fluoranthene	ND		5	1	05/15/08 18:45	GY	4441306
Benzo(g,h,i)perylene	ND		5	1	05/15/08 18:45	GY	4441306
Benzo(k)fluoranthene	ND		5	1	05/15/08 18:45	GY	4441306
Chrysene	ND		5	1	05/15/08 18:45	GY	4441306
Dibenz(a,h)anthracene	ND		5	1	05/15/08 18:45	GY	4441306
Dibenzofuran	ND		5	1	05/15/08 18:45	GY	4441306
Fluoranthene	ND		5	1	05/15/08 18:45	GY	4441306
Fluorene	ND		5	1	05/15/08 18:45	GY	4441306
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 18:45	GY	4441306
Naphthalene	ND		5	1	05/15/08 18:45	GY	4441306
Phenanthrene	ND		5	1	05/15/08 18:45	GY	4441306
Pyrene	ND		5	1	05/15/08 18:45	GY	4441306
Surr: 2-Fluorobiphenyl	88.0		% 23-116	1	05/15/08 18:45	GY	4441306
Surr: Nitrobenzene-d5	60.0		% 21-114	1	05/15/08 18:45	GY	4441306
Surr: Terphenyl-d14	16 MI	*	% 22-141	1	05/15/08 18:45	GY	4441306

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
BV - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-17

Collected: 05/07/2008 8:35

SPL Sample ID: 08050531-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	295		20	20	05/20/08 10:17	A_E	4450034
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	2750		20	2	05/09/08 16:30	KRD	4430968

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-19

Collected: 05/07/2008 8:50

SPL Sample ID: 08050531-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	229		2	1	05/13/08 12:30	PAC	4435836
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	229		2	1	05/13/08 12:30	PAC	4435868
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435895
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	114		5	5	05/19/08 14:49	A_E	4452123
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	ND		1	2	05/08/08 15:07	A_E	4427542
Nitrogen, Nitrate (As N)	1.06		1	2	05/08/08 15:07	A_E	4426167
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	359		0.1	1	05/25/08 11:23	EG	4460312
Magnesium	48.6		0.1	1	05/25/08 11:23	EG	4460312
Potassium	9.56		2	1	05/25/08 11:23	EG	4460312
Sodium	50.2		0.5	1	05/25/08 11:23	EG	4460312

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 17:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-19

Collected: 05/07/2008 8:50

SPL Sample ID: 08050531-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 19:16	GY	4441307
2-Methylnaphthalene	ND		5	1	05/15/08 19:16	GY	4441307
Acenaphthene	ND		5	1	05/15/08 19:16	GY	4441307
Acenaphthylene	ND		5	1	05/15/08 19:16	GY	4441307
Anthracene	ND		5	1	05/15/08 19:16	GY	4441307
Benz(a)anthracene	ND		5	1	05/15/08 19:16	GY	4441307
Benzo(a)pyrene	ND		5	1	05/15/08 19:16	GY	4441307
Benzo(b)fluoranthene	ND		5	1	05/15/08 19:16	GY	4441307
Benzo(g,h,i)perylene	ND		5	1	05/15/08 19:16	GY	4441307
Benzo(k)fluoranthene	ND		5	1	05/15/08 19:16	GY	4441307
Chrysene	ND		5	1	05/15/08 19:16	GY	4441307
Dibenz(a,h)anthracene	ND		5	1	05/15/08 19:16	GY	4441307
Dibenzofuran	ND		5	1	05/15/08 19:16	GY	4441307
Fluoranthene	ND		5	1	05/15/08 19:16	GY	4441307
Fluorene	ND		5	1	05/15/08 19:16	GY	4441307
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 19:16	GY	4441307
Naphthalene	ND		5	1	05/15/08 19:16	GY	4441307
Phenanthrene	ND		5	1	05/15/08 19:16	GY	4441307
Pyrene	ND		5	1	05/15/08 19:16	GY	4441307
Surr: 2-Fluorobiphenyl	90.0		% 23-116	1	05/15/08 19:16	GY	4441307
Surr: Nitrobenzene-d5	74.0		% 21-114	1	05/15/08 19:16	GY	4441307
Surr: Terphenyl-d14	32.0		% 22-141	1	05/15/08 19:16	GY	4441307

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	29.3		2	2	05/20/08 10:17	A_E	4450035
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	1190		100	10	05/09/08 16:30	KRD	4430969

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



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

Client Sample ID: MW-11

Collected: 05/07/2008 9:40

SPL Sample ID: 08050531-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	168		2	1	05/13/08 12:30	PAC	4435837
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	168		2	1	05/13/08 12:30	PAC	4435869
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435896
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	1560		50	50	05/19/08 14:53	A_E	4452126
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	8.18		1	2	05/08/08 15:24	A_E	4427543
Nitrogen, Nitrate (As N)	ND		1	2	05/08/08 15:24	A_E	4426168
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	615		0.5	5	05/25/08 11:32	EG	4460314
Magnesium	166		0.1	1	05/25/08 11:27	EG	4460313
Potassium	8.62		2	1	05/25/08 11:27	EG	4460313
Sodium	204		0.5	1	05/25/08 11:27	EG	4460313

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 17:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-11

Collected: 05/07/2008 9:40

SPL Sample ID: 08050531-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 19:47	GY	4441308
2-Methylnaphthalene	ND		5	1	05/15/08 19:47	GY	4441308
Acenaphthene	ND		5	1	05/15/08 19:47	GY	4441308
Acenaphthylene	ND		5	1	05/15/08 19:47	GY	4441308
Anthracene	ND		5	1	05/15/08 19:47	GY	4441308
Benz(a)anthracene	ND		5	1	05/15/08 19:47	GY	4441308
Benzo(a)pyrene	ND		5	1	05/15/08 19:47	GY	4441308
Benzo(b)fluoranthene	ND		5	1	05/15/08 19:47	GY	4441308
Benzo(g,h,i)perylene	ND		5	1	05/15/08 19:47	GY	4441308
Benzo(k)fluoranthene	ND		5	1	05/15/08 19:47	GY	4441308
Chrysene	ND		5	1	05/15/08 19:47	GY	4441308
Dibenz(a,h)anthracene	ND		5	1	05/15/08 19:47	GY	4441308
Dibenzofuran	ND		5	1	05/15/08 19:47	GY	4441308
Fluoranthene	ND		5	1	05/15/08 19:47	GY	4441308
Fluorene	ND		5	1	05/15/08 19:47	GY	4441308
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 19:47	GY	4441308
Naphthalene	ND		5	1	05/15/08 19:47	GY	4441308
Phenanthrene	ND		5	1	05/15/08 19:47	GY	4441308
Pyrene	ND		5	1	05/15/08 19:47	GY	4441308
Surr: 2-Fluorobiphenyl	90.0		% 23-116	1	05/15/08 19:47	GY	4441308
Surr: Nitrobenzene-d5	76.0		% 21-114	1	05/15/08 19:47	GY	4441308
Surr: Terphenyl-d14	14 MI	*	% 22-141	1	05/15/08 19:47	GY	4441308

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL				MCL	E375.4	Units: mg/L	
Sulfate	163		20	20	05/20/08 10:20	A_E	4450038
TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	4140		40	4	05/12/08 15:00	KRD	4435075

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-14

Collected: 05/07/2008 10:15 SPL Sample ID: 08050531-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	208		2	1	05/13/08 12:30	PAC	4435838
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	208		2	1	05/13/08 12:30	PAC	4435870
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435897
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	658		20	20	05/19/08 14:50	A_E	4452125
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	8.04		2	4	05/08/08 15:40	A_E	4427544
Nitrogen, Nitrate (As N)	10.1		2	4	05/08/08 15:40	A_E	4426169
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	613		0.5	5	05/21/08 21:11	EG	4453387
Magnesium	165		0.1	1	05/21/08 20:47	EG	4453383
Potassium	6.09		2	1	05/21/08 20:47	EG	4453383
Sodium	57.1		0.5	1	05/21/08 20:47	EG	4453383

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 18:45	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-14

Collected: 05/07/2008 10:15

SPL Sample ID: 08050531-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 20:18	GY	4441309
2-Methylnaphthalene	ND		5	1	05/15/08 20:18	GY	4441309
Acenaphthene	ND		5	1	05/15/08 20:18	GY	4441309
Acenaphthylene	ND		5	1	05/15/08 20:18	GY	4441309
Anthracene	ND		5	1	05/15/08 20:18	GY	4441309
Benz(a)anthracene	ND		5	1	05/15/08 20:18	GY	4441309
Benzo(a)pyrene	ND		5	1	05/15/08 20:18	GY	4441309
Benzo(b)fluoranthene	ND		5	1	05/15/08 20:18	GY	4441309
Benzo(g,h,i)perylene	ND		5	1	05/15/08 20:18	GY	4441309
Benzo(k)fluoranthene	ND		5	1	05/15/08 20:18	GY	4441309
Chrysene	ND		5	1	05/15/08 20:18	GY	4441309
Dibenz(a,h)anthracene	ND		5	1	05/15/08 20:18	GY	4441309
Dibenzofuran	ND		5	1	05/15/08 20:18	GY	4441309
Fluoranthene	ND		5	1	05/15/08 20:18	GY	4441309
Fluorene	ND		5	1	05/15/08 20:18	GY	4441309
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 20:18	GY	4441309
Naphthalene	ND		5	1	05/15/08 20:18	GY	4441309
Phenanthrene	ND		5	1	05/15/08 20:18	GY	4441309
Pyrene	ND		5	1	05/15/08 20:18	GY	4441309
Surr: 2-Fluorobiphenyl	72.0		% 23-116	1	05/15/08 20:18	GY	4441309
Surr: Nitrobenzene-d5	62.0		% 21-114	1	05/15/08 20:18	GY	4441309
Surr: Terphenyl-d14	14 MI	*	% 22-141	1	05/15/08 20:18	GY	4441309

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	904	100	100	05/20/08 10:22	A_E	4450039
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	3760	40	4	05/12/08 15:00	KRD	4435076

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-20

Collected: 05/07/2008 11:05 SPL Sample ID: 08050531-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	111		2	1	05/13/08 12:30	PAC	4435839
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	111		2	1	05/13/08 12:30	PAC	4435871
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435898
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	5120		100	100	05/19/08 15:17	A_E	4452128
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	19.8		5	10	05/08/08 16:22	A_E	4427545
Nitrogen, Nitrate (As N)	ND		5	10	05/08/08 16:22	A_E	4426170
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	1690		0.5	5	05/21/08 21:16	EG	4453388
Magnesium	571		0.5	5	05/21/08 21:16	EG	4453388
Potassium	24.7		2	1	05/21/08 20:52	EG	4453384
Sodium	983		2.5	5	05/21/08 21:16	EG	4453388

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 18:45	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-20

Collected: 05/07/2008 11:05

SPL Sample ID: 08050531-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/15/08 20:49	GY	4441310
2-Methylnaphthalene	ND		5	1	05/15/08 20:49	GY	4441310
Acenaphthene	ND		5	1	05/15/08 20:49	GY	4441310
Acenaphthylene	ND		5	1	05/15/08 20:49	GY	4441310
Anthracene	ND		5	1	05/15/08 20:49	GY	4441310
Benz(a)anthracene	ND		5	1	05/15/08 20:49	GY	4441310
Benzo(a)pyrene	ND		5	1	05/15/08 20:49	GY	4441310
Benzo(b)fluoranthene	ND		5	1	05/15/08 20:49	GY	4441310
Benzo(g,h,i)perylene	ND		5	1	05/15/08 20:49	GY	4441310
Benzo(k)fluoranthene	ND		5	1	05/15/08 20:49	GY	4441310
Chrysene	ND		5	1	05/15/08 20:49	GY	4441310
Dibenz(a,h)anthracene	ND		5	1	05/15/08 20:49	GY	4441310
Dibenzofuran	ND		5	1	05/15/08 20:49	GY	4441310
Fluoranthene	ND		5	1	05/15/08 20:49	GY	4441310
Fluorene	ND		5	1	05/15/08 20:49	GY	4441310
Indeno(1,2,3-cd)pyrene	ND		5	1	05/15/08 20:49	GY	4441310
Naphthalene	ND		5	1	05/15/08 20:49	GY	4441310
Phenanthrene	ND		5	1	05/15/08 20:49	GY	4441310
Pyrene	ND		5	1	05/15/08 20:49	GY	4441310
Surr: 2-Fluorobiphenyl	62.0		% 23-116	1	05/15/08 20:49	GY	4441310
Surr: Nitrobenzene-d5	50.0		% 21-114	1	05/15/08 20:49	GY	4441310
Surr: Terphenyl-d14	32.0		% 22-141	1	05/15/08 20:49	GY	4441310

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	467	20	20	05/20/08 10:22	A_E	4450040
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	5790	50	5	05/12/08 15:00	KRD	4435077

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-18

Collected: 05/07/2008 12:25 SPL Sample ID: 08050531-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	107		2	1	05/13/08 12:30	PAC	4435840
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	107		2	1	05/13/08 12:30	PAC	4435872
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435899
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	11300		120	120	05/19/08 15:38	A_E	4452129
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	50.5		5	10	05/08/08 16:39	A_E	4427546
Nitrogen, Nitrate (As N)	8.36		5	10	05/08/08 16:39	A_E	4426171
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	2200		1	10	05/21/08 21:30	EG	4453390
Magnesium	727		0.5	5	05/21/08 21:25	EG	4453389
Potassium	25.3		2	1	05/21/08 20:56	EG	4453385
Sodium	3260		5	10	05/21/08 21:30	EG	4453390

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 18:45	DDW	1.00

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-18

Collected: 05/07/2008 12:25

SPL Sample ID: 08050531-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/17/08 21:14	GY	4445987
2-Methylnaphthalene	ND		5	1	05/17/08 21:14	GY	4445987
Acenaphthene	ND		5	1	05/17/08 21:14	GY	4445987
Acenaphthylene	ND		5	1	05/17/08 21:14	GY	4445987
Anthracene	ND		5	1	05/17/08 21:14	GY	4445987
Benz(a)anthracene	ND		5	1	05/17/08 21:14	GY	4445987
Benzo(a)pyrene	ND		5	1	05/17/08 21:14	GY	4445987
Benzo(b)fluoranthene	ND		5	1	05/17/08 21:14	GY	4445987
Benzo(g,h,i)perylene	ND		5	1	05/17/08 21:14	GY	4445987
Benzo(k)fluoranthene	ND		5	1	05/17/08 21:14	GY	4445987
Chrysene	ND		5	1	05/17/08 21:14	GY	4445987
Dibenz(a,h)anthracene	ND		5	1	05/17/08 21:14	GY	4445987
Dibenzofuran	ND		5	1	05/17/08 21:14	GY	4445987
Fluoranthene	ND		5	1	05/17/08 21:14	GY	4445987
Fluorene	ND		5	1	05/17/08 21:14	GY	4445987
Indeno(1,2,3-cd)pyrene	ND		5	1	05/17/08 21:14	GY	4445987
Naphthalene	ND		5	1	05/17/08 21:14	GY	4445987
Phenanthrene	ND		5	1	05/17/08 21:14	GY	4445987
Pyrene	ND		5	1	05/17/08 21:14	GY	4445987
Surr: 2-Fluorobiphenyl	52.0		% 23-116	1	05/17/08 21:14	GY	4445987
Surr: Nitrobenzene-d5	48.0		% 21-114	1	05/17/08 21:14	GY	4445987
Surr: Terphenyl-d14	12 MI	*	% 22-141	1	05/17/08 21:14	GY	4445987

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	718	100	100	05/20/08 11:04	A_E	4450046
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	37100	1000	100	05/12/08 15:00	KRD	4435078

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-10

Collected: 05/07/2008 13:10 SPL Sample ID: 08050531-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CaCO₃), TOTAL				MCL	SM2320B	Units: mg/L	
Alkalinity, Total (As CaCO ₃)	150		2	1	05/13/08 12:30	PAC	4435841
ALKALINITY, BICARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Bicarbonate	150		2	1	05/13/08 12:30	PAC	4435873
ALKALINITY, CARBONATE				MCL	SM2320B	Units: mg/L	
Alkalinity, Carbonate	ND		2	1	05/13/08 12:30	PAC	4435900
CHLORIDE, TOTAL				MCL	E325.2	Units: mg/L	
Chloride	2520		50	50	05/19/08 14:53	A_E	4452127
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L	
Bromide	14.4		2	4	05/08/08 16:55	A_E	4427547
Nitrogen, Nitrate (As N)	4.18		2	4	05/08/08 16:55	A_E	4426172
METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Calcium	819		0.5	5	05/21/08 21:34	EG	4453391
Magnesium	188		0.1	1	05/21/08 21:06	EG	4453386
Potassium	8.24		2	1	05/21/08 21:06	EG	4453386
Sodium	785		2.5	5	05/21/08 21:34	EG	4453391

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/12/2008 18:45	DDW	1.00

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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

Client Sample ID: MW-10

Collected: 05/07/2008 13:10 SPL Sample ID: 08050531-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1-Methylnaphthalene	ND		5	1	05/17/08 20:44	GY	4445986
2-Methylnaphthalene	ND		5	1	05/17/08 20:44	GY	4445986
Acenaphthene	ND		5	1	05/17/08 20:44	GY	4445986
Acenaphthylene	ND		5	1	05/17/08 20:44	GY	4445986
Anthracene	ND		5	1	05/17/08 20:44	GY	4445986
Benz(a)anthracene	ND		5	1	05/17/08 20:44	GY	4445986
Benzo(a)pyrene	ND		5	1	05/17/08 20:44	GY	4445986
Benzo(b)fluoranthene	ND		5	1	05/17/08 20:44	GY	4445986
Benzo(g,h,i)perylene	ND		5	1	05/17/08 20:44	GY	4445986
Benzo(k)fluoranthene	ND		5	1	05/17/08 20:44	GY	4445986
Chrysene	ND		5	1	05/17/08 20:44	GY	4445986
Dibenz(a,h)anthracene	ND		5	1	05/17/08 20:44	GY	4445986
Dibenzofuran	ND		5	1	05/17/08 20:44	GY	4445986
Fluoranthene	ND		5	1	05/17/08 20:44	GY	4445986
Fluorene	ND		5	1	05/17/08 20:44	GY	4445986
Indeno(1,2,3-cd)pyrene	ND		5	1	05/17/08 20:44	GY	4445986
Naphthalene	ND		5	1	05/17/08 20:44	GY	4445986
Phenanthrene	ND		5	1	05/17/08 20:44	GY	4445986
Pyrene	ND		5	1	05/17/08 20:44	GY	4445986
Surr: 2-Fluorobiphenyl	52.0		% 23-116	1	05/17/08 20:44	GY	4445986
Surr: Nitrobenzene-d5	50.0		% 21-114	1	05/17/08 20:44	GY	4445986
Surr: Terphenyl-d14	16 MI	*	% 22-141	1	05/17/08 20:44	GY	4445986

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/11/2008 14:34	LLL	1.00

SULFATE, TOTAL			MCL	E375.4	Units: mg/L	
Sulfate	398	20	20	05/20/08 11:04	A_E	4450047
TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L	
Total Dissolved Solids (Residue, Filterable)	6880	50	5	05/12/08 15:00	KRD	4435079

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 08050531
Lab Batch ID: 78928

Method Blank

RunID: TJA_080525A-4460299 Units: mg/L
Analysis Date: 05/25/2008 10:24 Analyst: EG
Preparation Date: 05/12/2008 17:30 Prep By: DD Method SW3010A

Analyte	Result	Rep Limit
Calcium	ND	0.1
Magnesium	ND	0.1
Potassium	ND	2
Sodium	ND	0.5

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01C	MW-15
08050531-02C	MW-16
08050531-03C	MW-13
08050531-05C	MW-19
08050531-06C	MW-11

Laboratory Control Sample (LCS)

RunID: TJA_080525A-4460300 Units: mg/L
Analysis Date: 05/25/2008 10:28 Analyst: EG
Preparation Date: 05/12/2008 17:30 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.045	104.5	80	120
Magnesium	1.000	1.044	104.4	80	120
Potassium	10.00	10.64	106.4	80	120
Sodium	1.000	0.9680	96.80	80	120

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

Sample Spiked: 08050784-01
RunID: TJA_080525A-4460302 Units: mg/L
Analysis Date: 05/25/2008 10:37 Analyst: EG
Preparation Date: 05/12/2008 17:30 Prep By: DD Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	66.19	1	63.66	N/C	1	66.24	N/C	N/C	20	75	125
Magnesium	17.69	1	17.71	N/C	1	18.43	N/C	N/C	20	75	125
Potassium	22.41	10	30.59	81.82	10	31.11	87.04	1.690	20	75	125
Sodium	468.3	1	442.7	N/C	1	462.7	N/C	N/C	20	75	125

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

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 08050531
Lab Batch ID: 78933

Method Blank

RunID: TJA_080521A-4453357 Units: mg/L
Analysis Date: 05/21/2008 19:08 Analyst: EG
Preparation Date: 05/12/2008 18:45 Prep By: DD Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-07C	MW-14
08050531-08C	MW-20
08050531-09C	MW-18
08050531-10C	MW-10

Analyte	Result	Rep Limit
Calcium	ND	0.1
Magnesium	ND	0.1
Potassium	ND	2
Sodium	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJA_080521A-4453359 Units: mg/L
Analysis Date: 05/21/2008 19:13 Analyst: EG
Preparation Date: 05/12/2008 18:45 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.023	102.3	80	120
Magnesium	1.000	1.001	100.1	80	120
Potassium	10.00	10.84	108.4	80	120
Sodium	1.000	1.082	108.2	80	120

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

Sample Spiked: 08050771-02
RunID: TJA_080521A-4453364 Units: mg/L
Analysis Date: 05/21/2008 19:22 Analyst: EG
Preparation Date: 05/12/2008 18:45 Prep By: DD Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	16.73	1	18.98	N/C	1	18.39	N/C	N/C	20	75	125
Magnesium	4.554	1	5.948	N/C	1	5.766	N/C	N/C	20	75	125
Potassium	3.643	10	12.63	89.88	10	12.52	88.82	0.8455	20	75	125
Sodium	177.0	1	192.0	N/C	1	187.3	N/C	N/C	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C

WorkOrder: 08050531
Lab Batch ID: 78853

Method Blank

RunID: J_080516C-4442876 Units: ug/L
Analysis Date: 05/16/2008 12:07 Analyst: GY
Preparation Date: 05/11/2008 14:34 Prep By: LLL Method SW3510C

Analyte	Result	Rep Limit
1-Methylnaphthalene	ND	5.0
2-Methylnaphthalene	ND	5.0
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benz(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Chrysene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Dibenzofuran	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Naphthalene	ND	5.0
Phenanthrene	ND	5.0
Pyrene	ND	5.0
Surr: 2-Fluorobiphenyl	80.0	23-116
Surr: Nitrobenzene-d5	78.0	21-114
Surr: Terphenyl-d14	94.0	22-141

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01A	MW-15
08050531-02A	MW-16
08050531-03A	MW-13
08050531-04A	MW-17
08050531-05A	MW-19
08050531-06A	MW-11
08050531-07A	MW-14
08050531-08A	MW-20
08050531-09A	MW-18
08050531-10A	MW-10

Laboratory Control Sample (LCS)

RunID: J_080516C-4442877 Units: ug/L
Analysis Date: 05/16/2008 12:37 Analyst: GY
Preparation Date: 05/11/2008 14:34 Prep By: LLL Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1-Methylnaphthalene	50.0	33.0	66.0	30	120
2-Methylnaphthalene	50.0	32.0	64.0	20	170
Acenaphthene	50.0	36.0	72.0	30	150
Acenaphthylene	50.0	37.0	74.0	33	250
Anthracene	50.0	31.0	62.0	27	133
Benz(a)anthracene	50.0	32.0	64.0	33	143
Benzo(a)pyrene	50.0	37.0	74.0	17	163
Benzo(b)fluoranthene	50.0	35.0	70.0	24	159

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C

WorkOrder: 08050531
Lab Batch ID: 78853

Laboratory Control Sample (LCS)

RunID: J_080516C-4442877 Units: ug/L
Analysis Date: 05/16/2008 12:37 Analyst: GY
Preparation Date: 05/11/2008 14:34 Prep By: LLL Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzo(g,h,i)perylene	50.0	36.0	72.0	30	160
Benzo(k)fluoranthene	50.0	37.0	74.0	11	162
Chrysene	50.0	38.0	76.0	17	168
Dibenz(a,h)anthracene	50.0	36.0	72.0	30	160
Dibenzofuran	50.0	35.0	70.0	30	150
Fluoranthene	50.0	32.0	64.0	26	137
Fluorene	50.0	33.0	66.0	30	150
Indeno(1,2,3-cd)pyrene	50.0	27.0	54.0	30	160
Naphthalene	50.0	36.0	72.0	21	133
Phenanthrene	50.0	34.0	68.0	10	140
Pyrene	50.0	40.0	80.0	30	150
Surr: 2-Fluorobiphenyl	50.0	36	72.0	23	116
Surr: Nitrobenzene-d5	50.0	32	64.0	21	114
Surr: Terphenyl-d14	50.0	36	72.0	22	141

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

Sample Spiked: 08050531-01
RunID: J_080520C-4458771 Units: ug/L
Analysis Date: 05/21/2008 0:46 Analyst: GY
Preparation Date: 05/11/2008 14:34 Prep By: LLL Method SW3510C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1-Methylnaphthalene	ND	50	24.0	48.0	50	30.0	60.0	22.2	50	30	130
2-Methylnaphthalene	ND	50	24.0	48.0	50	29.0	58.0	18.9	50	20	170
Acenaphthene	ND	50	26.0	52.0	50	30.0	60.0	14.3	31	30	150
Acenaphthylene	ND	50	24.0	48.0	50	30.0	60.0	22.2	50	33	250
Anthracene	ND	50	12.0	24.0 *	50	18.0	36.0	40.0	50	27	133
Benz(a)anthracene	ND	50	6.00	12.0 *	50	16.0	32.0 *	90.9 *	50	33	143
Benzo(a)pyrene	ND	50	6.00	12.0 *	50	18.0	36.0	100 *	50	17	163
Benzo(b)fluoranthene	ND	50	5.00	10.0 *	50	16.0	32.0	105 *	50	24	159

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C

WorkOrder: 08050531
Lab Batch ID: 78853

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

Sample Spiked: 08050531-01
RunID: J_080520C-4458771 Units: ug/L
Analysis Date: 05/21/2008 0:46 Analyst: GY
Preparation Date: 05/11/2008 14:34 Prep By: LLL Method SW3510C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzo(g,h,i)perylene	ND	50	7.00	14.0 *	50	16.0	32.0	78.3 *	50	30	160
Benzo(k)fluoranthene	ND	50	11.0	22.0	50	19.0	38.0	53.3 *	50	11	162
Chrysene	ND	50	10.0	20.0	50	19.0	38.0	62.1 *	50	17	168
Dibenz(a,h)anthracene	ND	50	6.00	12.0 *	50	15.0	30.0	85.7 *	50	30	160
Dibenzofuran	ND	50	25.0	50.0	50	31.0	62.0	21.4	50	30	150
Fluoranthene	ND	50	10.0	20.0 *	50	22.0	44.0	75.0 *	50	26	137
Fluorene	ND	50	20.0	40.0	50	28.0	56.0	33.3	50	30	150
Indeno(1,2,3-cd)pyrene	ND	50	3.00	6.00 *	50	13.0	26.0 *	125 *	50	30	160
Naphthalene	ND	50	29.0	58.0	50	31.0	62.0	6.67	50	21	133
Phenanthrene	ND	50	19.0	38.0	50	25.0	50.0	27.3	50	10	140
Pyrene	ND	50	10.0	20.0 *	50	22.0	44.0	75.0 *	31	30	150
Surr: 2-Fluorobiphenyl	ND	50	32	64.0	50	35.0	70.0	8.96	30	23	116
Surr: Nitrobenzene-d5	ND	50	24	48.0	50	32.0	64.0	28.6	30	21	114
Surr: Terphenyl-d14	ND	50	8	16.0 *	50	13.0	26.0	47.6 *	30	22	141

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 08050531
Lab Batch ID: R236824A

Method Blank

RunID: IC1_080508A-4426159 Units: mg/L
Analysis Date: 05/08/2008 12:56 Analyst: A_E

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: IC1_080508A-4426160 Units: mg/L
Analysis Date: 05/08/2008 13:12 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.872	98.72	85	115

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

Sample Spiked: 08050531-10
RunID: IC1_080508A-4426175 Units: mg/L
Analysis Date: 05/08/2008 17:44 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	4.182	40	40.45	90.67	40	40.42	90.60	0.07172	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TN/C - Too numerous to count

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

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

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

Conoco Phillips
COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 08050531
Lab Batch ID: R236911

Method Blank

RunID: IC1_080508D-4427534 Units: mg/L
Analysis Date: 05/08/2008 12:56 Analyst: A_E

Analyte	Result	Rep Limit
Bromide	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: IC1_080508D-4427535 Units: mg/L
Analysis Date: 05/08/2008 13:12 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bromide	10.00	9.696	96.96	85	115

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

Sample Spiked: 08050531-10
RunID: IC1_080508D-4427550 Units: mg/L
Analysis Date: 05/08/2008 17:44 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Bromide	14.35	40	52.91	96.40	40	52.69	95.84	0.4261	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 08050531
Lab Batch ID: R237106

Method Blank

RunID: WET_080509Q-4430958 Units: mg/L
Analysis Date: 05/09/2008 16:30 Analyst: KRD

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-04B	MW-17
08050531-05B	MW-19

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_080509Q-4430960 Units: mg/L
Analysis Date: 05/09/2008 16:30 Analyst: KRD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filterabl	200.0	199.0	99.50	200.0	198.0	99.00	0.5	10	95	107

Sample Duplicate

Original Sample: 08050531-08
RunID: WET_080509Q-4430971 Units: mg/L
Analysis Date: 05/09/2008 16:30 Analyst: KRD

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filterabl	5790	5791	0.0173	20

Qualifiers: ND/U - Not Detected at the Reporting Limit
BV - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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

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

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

Conoco Phillips
COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 08050531
Lab Batch ID: R237106A

Method Blank

RunID: WET_080509Q-4430958 Units: mg/L
Analysis Date: 05/09/2008 16:30 Analyst: KRD

Samples in Analytical Batch:

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterabl	ND	10

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_080509Q-4430960 Units: mg/L
Analysis Date: 05/09/2008 16:30 Analyst: KRD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filterabl	200.0	199.0	99.50	200.0	198.0	99.00	0.5	10	95	107

Sample Duplicate

Original Sample: 08050415-01
RunID: WET_080509Q-4430962 Units: mg/L
Analysis Date: 05/09/2008 16:30 Analyst: KRD

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filterabl	3600	3599	0.0278	20

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

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



Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 08050531
Lab Batch ID: R237383A

Method Blank

RunID: WET_080512ZH-4435067 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_080512ZH-4435069 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filterabl	200.0	202.0	101.0	200.0	198.0	99.00	2.0	10	95	107

Sample Duplicate

Original Sample: 08050415-01
RunID: WET_080512ZH-4435071 Units: mg/L
Analysis Date: 05/12/2008 15:00 Analyst: KRD

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filterabl	3410	3410	0.0587	20

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

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Alkalinity (as CaCO₃), Total
Method: SM2320B

WorkOrder: 08050531
Lab Batch ID: R237426

Method Blank

RunID: WET_080513V-4435829 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Total (As CaCO ₃)	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: WET_080513V-4435831 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO ₃)	86.30	86.00	99.65	90	110

Sample Duplicate

Original Sample: 08050531-10
RunID: WET_080513V-4435841 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO ₃)	150	150	0	20

Qualifiers:

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

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Alkalinity, Bicarbonate
Method: SM2320B

WorkOrder: 08050531
Lab Batch ID: R237428

Method Blank

RunID: WET_080513W-4435861 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: WET_080513W-4435863 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	86.30	86.00	99.65	90	110

Sample Duplicate

Original Sample: 08050531-10
RunID: WET_080513W-4435873 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	150	150	0	20

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Alkalinity, Carbonate
Method: SM2320B

WorkOrder: 08050531
Lab Batch ID: R237432

Method Blank

RunID: WET_080513X-4435888 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: WET_080513X-4435890 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	86.30	86.00	99.65	90	110

Sample Duplicate

Original Sample: 08050531-10
RunID: WET_080513X-4435900 Units: mg/L
Analysis Date: 05/13/2008 12:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	0	20

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Sulfate, Total
Method: E375.4

WorkOrder: 08050531
Lab Batch ID: R238325A

Method Blank

RunID: KONELAB_080520A-4450027 Units: mg/L
Analysis Date: 05/20/2008 9:46 Analyst: A_E

Analyte	Result	Rep Limit
Sulfate	ND	1.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: KONELAB_080520A-44500 Units: mg/L
Analysis Date: 05/20/2008 9:46 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Sulfate	10.00	9.456	94.56	80	120

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

Sample Spiked: 08050531-05
RunID: KONELAB_080520A-44500 Units: mg/L
Analysis Date: 05/20/2008 10:17 Analyst: A_E

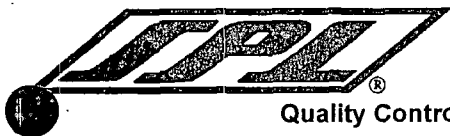
Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sulfate	29.28	10	38.54	92.60	10	38.52	92.38	0.05663	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TN/C - Too numerous to count

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

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Quality Control Report

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

Conoco Phillips COP Maljamar Gas Plant

Analysis: Chloride, Total
Method: E325.2

WorkOrder: 08050531
Lab Batch ID: R238460S

Method Blank

RunID: KONELAB_080519E-4452109 Units: mg/L
Analysis Date: 05/19/2008 13:16 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	1.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08050531-01B	MW-15
08050531-02B	MW-16
08050531-03B	MW-13
08050531-04B	MW-17
08050531-05B	MW-19
08050531-06B	MW-11
08050531-07B	MW-14
08050531-08B	MW-20
08050531-09B	MW-18
08050531-10B	MW-10

Laboratory Control Sample (LCS)

RunID: KONELAB_080519E-44521 Units: mg/L
Analysis Date: 05/19/2008 13:16 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	50.00	47.18	94.35	80	120

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

Sample Spiked: 08050531-01
RunID: KONELAB_080519E-44521 Units: mg/L
Analysis Date: 05/19/2008 13:32 Analyst: A_E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	135.4	50	174.5	78.17	50	166.9	62.94 *	4.463	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

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*Sample Receipt Checklist
And
Chain of Custody*



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

Sample Receipt Checklist

Workorder:	08050531	Received By:	L_C
Date and Time Received:	5/8/2008 10:00:00 AM	Carrier name:	Fedex-Priority
Temperature:	5.0°C	Chilled by:	Water Ice

- | | | | |
|--|---|--|---|
| 1. Shipping container/cooler in good condition? | Yes ☒ | No ☐ | Not Present ☐ |
| 2. Custody seals intact on shipping container/cooler? | Yes ☒ | No ☐ | Not Present ☐ |
| 3. Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☒ |
| 4. Chain of custody present? | Yes ☒ | No ☐ | |
| 5. Chain of custody signed when relinquished and received? | Yes ☒ | No ☐ | |
| 6. Chain of custody agrees with sample labels?
1. Received extra unpreserved amber liter for sample ID: "MW-14". 2. Received only one unpreserved amber liter container for sample ID: "MW-18" when chain of custody indicates two. | Yes ☐ | No ☒ | |
| 7. Samples in proper container/bottle? | Yes ☒ | No ☐ | |
| 8. Sample containers intact? | Yes ☒ | No ☐ | |
| 9. Sufficient sample volume for indicated test? | Yes ☒ | No ☐ | |
| 10. All samples received within holding time? | Yes ☒ | No ☐ | |
| 11. Container/Temp Blank temperature in compliance? | Yes ☒ | No ☐ | |
| 12. Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | VOA Vials Not Present ☒ |
| 13. Water - Preservation checked upon receipt (except VOA*)? | Yes ☒ | No ☐ | Not Applicable ☐ |

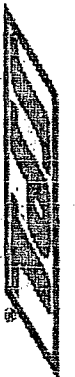
*VOA Preservation Checked After Sample Analysis

SPL Representative: Agarwal, Bethany A.
Client Name Contacted: Greg Pope

Contact Date & Time: 5/13/2008 8:35:00 AM

Non Conformance Issues: 1. Logged in extra container for analysis indicated on chain of custody. 2. Logged in one container for test indicated on chain.

Client Instructions: Notified client of nonconformance issue via phone.



Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number:

Attention: Greg Pope

Phone: 432-686-8081 email: gwpope@aol.com

Address: 1703 W Industrial Avenue

City: Midland State: TX Zip Code: 79701

Project Name: COP Mallamar

P. O. Number:

Sampled By: *H.L. Brooks* print signature

Sample ID	Collected		Sample Type	Grab	Water	Soil	Matrix	Bottle Type	Preservative Type	# of Containers	Requested Analysis					
	Date	Time									8260-BTEX	8270-PAH	Br, CL, NO3, SO4-300.0	Metals- K,Mg,Na,Ca-60.10	TDS.	HC03, CO3, Total Alk
MW-14 MW-15	5/6/08	1110						4	1	2	X			X		
MW-15								3	1	2						
MW-15								5	2	1						
MW-16	5/6/08	1350						4	1	2	X			X		
MW-16								3	1	2						
MW-16								5	2	1						
MW-13	5/6/08	1440						4	1	2	X			X		
MW-13								3	1	2						
MW-13								5	2	1						

Turnaround Time Requirements

24 hr () 48 hr ()
72 hr () 5 wday ()
10 wday - Standard (X)
Remarks: Bottle Types: 1: 3/40ml Vials 2: 1L Glass 3: 1L Plastic 4: 1L Amber Glass 5: 8oz Plastic
Preservative Types: 1: NONE 2: HNO3 3: HCL 4: H2SO4

Relinquished by Sampler:

Received by:

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by SPL, Inc.



Chain of Custody Record

08050531

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number:

Attention: Greg Pope

Phone: 432-686-8081

email: gwpopo@aol.com

Address: 1703 W Industrial Avenue

City: Midland

State: TX

Zip Code: 79701

Project Name: COP Majanar

P.O. Number:

Sampled By:

[Signature]

H.L. Brooks

print

Sample ID	Collected		Sample Type	Grab	Water	Matrix	Soil	Bottle Type	Preservative Type	# of Containers	Requested Analysis					
	Date	Time									8260-BTEX	8270-PAH	Br, Cl, NO3, SO4-300.0	Metals- K, Mg, Na, Ca-6010	TDS,	HCO3, CO3, Total Alk
MW-17	5/7/08	0835		X	X	X		4	1	1	X	X	X	X	X	X
MW-17	5/7/08	0850		X	X	X		3	1	1	X	X	X	X	X	X
MW-19	5/7/08	0850		X	X	X		4	1	2	X	X	X	X	X	X
MW-19				X	X	X		3	1	2	X	X	X	X	X	X
MW-19				X	X	X		5	2	1	X	X	X	X	X	X
MW-11	5/7/08	0940		X	X	X		4	1	2	X	X	X	X	X	X
MW-11				X	X	X		3	1	2	X	X	X	X	X	X
MW-11				X	X	X		5	2	1	X	X	X	X	X	X
MW-14	5/7/08	1015		X	X	X		4	1	2	X	X	X	X	X	X
MW-14				X	X	X		4	1	2	X	X	X	X	X	X

Turnaround Time Requirements

24 hr () 48 hr ()

72 hr () 5 wday ()

10 wday - Standard (X)

Remarks:

Bottle Types:

Preservative Types:

Relinquished by Sampler:

[Signature]

Relinquished by:

[Signature]

Relinquished by:

[Signature]

Relinquished by:

Date	Time	Received by:
5/7/08	1615	<i>[Signature]</i>
Date	Time	Received by:
5/7/08	10:00	<i>[Signature]</i>



Chain of Custody Record

08050531

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number:

Attention: Greg Pope

Phone: 432-686-8081

email: gwpope@aol.com

Address: 1703 W Industrial Avenue

City: Midland

State: TX

Zip Code: 79701

Project Name: COP Mallamar

P.O. Number:

Sampled By:

signature

H.L. Brooks

print

Sample ID	Collected		Sample Type	Comp	Grab	Water	Matrix	Soil	Bottle Type	Preservative Type	# of Containers	Requested Analysis					
	Date	Time										8260-BTEX	8270-PAH	Br, Cl, NO ₃ , SO ₄ 300.0	Metals- K, Mg, Na, Ca 60.10	TDS	HCO ₃ , CO ₃ , Total Alk
MW-14	5/7/08	1015							5	2	1						
MW-20	5/7/08	1105							4	1	2						
MW-20									3	1	2						
MW-20									5	2	1						
MW-18	5/7/08	1225							4	1	2						
MW-18									3	1	2						
MW-18									5	2	1						
MW-10	5/7/08	1310							4	1	2						
MW-10									3	1	2						
MW-10									5	2	1						
MW-10									4	1	2						
MW-10									3	1	2						

Remarks:

Preservative

Intact? ☒ or N

Bottle Types:

1: 3/40ml Vials 2. 1L Glass 3. 1L Plastic 4. 1L Amber Glass 5. 8oz Plastic

Preservative Types:

1: NONE 2. HNO₃ 3. HCL 4. H₂SO₄

Turnaround Time Requirements

24 hr () 48 hr ()

72 hr () 5 wday ()

10 wday - Standard

Relinquished by Sampler:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by: