AP - 010

ANNUAL MONITORING REPORT

05/16/2008

Thomas (Tom) Wynn
Site Manager
Risk Management & Remediation

1354 Phillips Building
420 South Keeler
Bartlesville, OK 74074
phone 918.661.0310
fax 918-662-4192
tom.r.wynn@conocophillips.com

ConocoPhillips

May 16, 2008

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

RE: ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT
MARCH 2007 THROUGH FEBRUARY 2008
***ConocoPhillips* Line NM1-1 (AP-10)**
Hobbs, Lea County, New Mexico

Dear Mr. von Gonten:

Pursuant to requirements set forth in Discharge Permit GW-349 for the Line NM1-1 remediation site, please find one copy of the above referenced report for your review and concurrence. This report presents an annual summary of all site activities performed from March 2007 through February 2008 relating to the operation, maintenance and monitoring of the remediation system, quarterly groundwater monitoring, and sampling and analyses.

If you have any questions or comments, please contact either myself at the above listed number or Greg W. Pope with Tetra Tech at (432) 686-8081.

Sincerely,

Tom Wynn
Site Manager
Risk Management and Remediation
ConocoPhillips

cc: w/ attachment

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

ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT
MARCH 2007 THROUGH FEBRUARY 2008

CONOCOPHILLIPS
LINE NM1-1 (AP-10)

HOBBS, LEA COUNTY, NEW MEXICO

Prepared for:

ConocoPhillips

Prepared By:

TETRA TECH, INC.

1703 W. Industrial Avenue
Midland, Texas 79701

May 16, 2008

TETRA TECH, INC.

1703 W. Industrial Ave.
Midland, Texas 79701
(432) 686-8081

May 16, 2008

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

RE: ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT MARCH 2007 THROUGH FEBRUARY 2008
ConocoPhillips Line NM1-1 (AP-10)
Hobbs, Lea County, New Mexico

INTRODUCTION

On behalf of ConocoPhillips, formerly Phillips Pipe Line Company, Tetra Tech (formerly Maxim Technologies; Maxim) is submitting the following annual status report for the Line NM1-1 remediation site (Site). The Site is located in Lea County, New Mexico (Sec 9, T19S, R38E; Figure 1), approximately one mile south of the city of Hobbs. This report has been prepared in accordance with New Mexico Oil Conservation Division's (NMOCD) Discharge Permit GW-349 issued to ConocoPhillips on October 10, 2002 for the Site. A request for extension of the submittal date for this report to April 30, 2008 was submitted to the NMOCD and approved via electronic mail on March 28, 2008; however, additional time was required to complete the report. This report is a summary of the following activities performed from March 2007 through February 2008:

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

During this time period, no new groundwater monitoring wells or remediation wells were installed at the Site. With verbal approval from NMOCD, the groundwater extraction, treatment and re-injection system was shut down on September 21, 2005 due to detections of volatile organic compounds (VOC) reported in the monthly groundwater effluent sample

collected on August 24, 2005 and the following sample collected on September 20, 2005, indicating a breakthrough in the granular activated carbon (GAC) due to VOC loading. Also, thin measurable layers of crude oil were observed in the six (6) groundwater re-injection wells during the October 2005 groundwater monitoring event, and in two (2) of the re-injection wells in January 2006. Due to these two factors and current data, the groundwater extraction, treatment and re-injection system has remained off since September 21, 2005. The pipeline release excavation was backfilled by ConocoPhillips in June 2006.

This report also presents four quarters of groundwater monitoring data collected in April, July and October 2007, and January 2008.

All Site activities were performed according to the conditions described in Discharge Permit GW-349. A renewal application for Discharge Permit GW-349 was submitted to the NMOCD on June 26, 2007.

BACKGROUND

Project activities commenced at the Site in 1999 following the discovery of a release of crude oil from gathering line NM1-1. Assessment and remediation activities have been conducted at the Site to define and address the crude oil impacts including the installation of a comprehensive soil and groundwater remediation system. The remediation system installation consists of a crude oil recovery system, a groundwater extraction, treatment and re-injection system, and an enhanced-bioremediation system consisting of bio-venting and nutrient injection. Figure 1 illustrates the locations of the pipeline release excavation, the existing pipeline corridors, the Site monitoring and remediation wells, and the remediation system buildings and crude oil storage tank.

Higgins and Associates, L.L.C. of Centennial, Colorado (H&A) performed the installation of the remediation system, initial startup procedures, system operation and maintenance, and required Site monitoring activities until September 2003[1]. On September 24, 2003, Maxim (presently Tetra Tech) assumed operation and maintenance of the system, and has continued the required Site monitoring activities.

[1]Higgins and Associates, 2000. Stage 2 Abatement Plan for Groundwater Abatement Plan AP-10, Line NM1-1 Site, Phillips Pipe Line Company, April 14, 2000.

HEALTH AND SAFETY

Tetra Tech required safety and health procedures that were appropriate for the level of environmental hazard known to exist at the Site. Procedures used complied with ConocoPhillips' "Contractors Health and Safety Standard" (revised 2008). Modified Level D Personal Protective Equipment (PPE) was adequate for the Site activities. Personnel were equipped with respirators and organic vapor cartridges in the event of a sudden release of noxious fumes from the Site. Prior to commencement of work, a Site Specific Health and Safety Plan (HASP) was prepared by Tetra Tech. The HASP was reviewed and signed by all personnel working at the Site. Safety procedures were reviewed during tailgate safety meetings conducted prior to the start of work each day.

GROUNDWATER MONITORING AND SAMPLING

Quarterly groundwater monitoring and sampling activities were conducted at the Site on April 23 and 24, July 23 and 24, and October 22 and 23, 2007, and January 28 and 29, 2008. Accessible monitoring, recovery and remediation wells were measured for groundwater elevations prior to the sampling events. Wells EW-2, IW-2, IW-3, IW-4, IW-5, IW-7, MW-13 and SVE-1 were sampled during all four quarterly sampling events. Well IW-6 was not sampled during this time period due to very low water levels in this well. The groundwater samples were collected into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of total petroleum hydrocarbons (TPH), both diesel range organics (DRO) and gasoline range organics (GRO) by Method 8015B modified, benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Method 8021B, and chloride by Method 300.0A. Samples collected in April 2007 were also analyzed for New Mexico Water Quality Control Commission (WQCC) metals by Methods 6010B/7470A/300.0A, polynuclear aromatic hydrocarbons (PAHs) by Method 8270C, and total dissolved solids (TDS) by Method 160.1 per NMOCD Discharge Permit GW-349 requirements.

Groundwater elevation measurements are summarized in Table 1. Potentiometric surface maps for each of the four sampling events are included as Figures 2a, 2b, 2c, and 2d. Groundwater flow direction during all four quarterly events was generally to the south-southeast at an average gradient ranging from 0.0040 to 0.0044 feet per foot (ft/ft). Groundwater elevations show an overall decreasing trend after peaking during the January 2005

recharge event approximately three years ago. Hydrographs prepared for selected Site wells are included in Appendix A.

Groundwater analytical results are presented in Tables 2a, 2b, 2c, and 2d, and figures depicting the groundwater analytical results for the four quarterly sampling events are included as Figures 3a, 3b, 3c, and 3d. The laboratory analytical data is included in Appendix B. Analytical results from the groundwater monitoring events show a radial dispersion of the dissolved phase components in the groundwater re-injection wells (IWs) as a possible response to the groundwater table increases seen in October 2004 and January 2005. Concentrations of BTEX and TPH show varying responses in the individual wells, as indicated on the groundwater analytical data graphs included in Appendix A. Results of the April 2007 WQCC analysis (Table 2d) reported dissolved metals at naturally occurring background concentrations. Analysis for TDS reported concentrations ranging from 520 (IW-4) to 720 (IW-5) milligrams per liter (mg/L). PAH analyses reported 50 micrograms per liter (µg/L) of naphthalene in well MW-13. No other detectable concentrations of PAH were reported in any of the groundwater samples during this event.

FREE PETROLEUM HYDROCARBON GAUGING

Free-phase petroleum hydrocarbons were measured in selected wells during each of the four monitoring events. The pneumatic pumps were shut off one week prior to each sampling event, and removed from the recovery wells prior to measuring hydrocarbon thickness and then reinstalled after measuring. Isopleth maps depicting liquid phase hydrocarbon (LPH) thickness for April, July and October 2007, and January 2008 are included as Figures 4a, 4b, 4c and 4d, respectively, and LPH measurements are summarized in Table 1.

LPH thicknesses measured in April 2007 through January 2008 continue to show effects of the increased groundwater levels first observed at the Site in October 2004. The decreased LPH plume thickness is still thought to be in response to the heightened groundwater table rising above the established hydrocarbon smear zone and decreasing the LPH plume. However, the LPH thickness in select individual wells has shown an overall increasing trend during the reporting period, possibly due to the overall decrease in groundwater elevations at the Site. LPH levels measured during the April 2007 monitoring event showed maximum measured thicknesses of 3.16 feet in MW-1 and 3.04 feet in MW-7 (Figure 4a). LPH measurements in July 2007 show an overall slight increase in LPH thickness with a maximum thickness of 3.23 feet

measured in MW-1 and 3.15 feet measured in MW-7 (Figure 4b). The LPH thickness measurements collected in October 2007 show an overall decrease in LPH thickness with a maximum thickness of 2.33 feet measured in MW-1 and 2.04 feet measured in MW-7 (Figure 4c). The LPH measurements collected in January 2008 (Figure 4d) show slight increases in LPH thickness from the previous sampling event with a maximum thickness of 3.53 feet measured in MW-1 and 3.32 feet measured in MW-7. The variances measured in LPH thicknesses in crude oil recovery wells between sampling events is possibly in response to the crude oil extraction and varying rates of crude oil recovery in those wells. During all sampling events, IWs showed fluctuating LPH thicknesses ranging from 0.00 to a maximum of 0.06 feet (MW-4; July 2007). The presence of LPH in the IWs is a possible response to the groundwater table elevation increase observed October 2004 through January 2005; LPH thickness was first measured in all IWs on October 19, 2005[2]. Depiction of the responses of LPH plume thickness and groundwater level elevation over time is shown on the hydrographs in Appendix A.

FREE PETROLEUM HYDROCARBON RECOVERY

The pneumatic recovery system consists of Durham Geo F.A.P. Plus pumps installed in wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, SVE-2, EW-1 and EW-2. The recovery system pumps crude oil from the wells through petroleum rated hoses contained in PVC piping to a bermed 140-barrel aboveground storage tank (AST) located adjacent to the recovery system compound (Figure 1). Additional crude oil is collected from the oil/water separator (OWS) into a 525-gallon AST. From April 20, 2002 to February 2008, the system has recovered approximately 930 barrels of crude oil. From initial abatement activities and ongoing product removal activities, approximately 1,230 barrels of crude oil have been recovered through February 2008.

Due to the reduction of LPH thicknesses in the recovery wells observed since October 2004 and January 2005, the crude oil extraction rate decreased from previous levels while the recovery of groundwater increased[3]. To counter this effect, several tasks have been performed to enhance crude oil recovery rates while reducing the amount of groundwater being

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[2] Maxim Technologies., 2006. Annual Monitoring, Operation and Maintenance Report: March 2005 through February 2006, ConocoPhillips Line NM1-1 (AP-10), Hobbs, Lea County, New Mexico. April 12, 2006.

[3] Tetra Tech, Inc., 2007. Annual Monitoring, Operation and Maintenance Report: March 2006 through February 2007, ConocoPhillips Line NM1-1 (AP-10), Hobbs, Lea County, New Mexico. March 30, 2007.

recovered including: collecting weekly measurements of LPH thickness in the recovery wells; adjusting the skimmer pump intake depths according to fluctuations in the crude oil/groundwater interface; adjusting the pumping cycle of the skimmer pumps; and, rotating wells on and offline according to the thickness of crude oil measured in the well. During the June 2005 meeting with NMOCD in Santa Fe, a rule of thumb was established that assumed 0.5 feet of crude oil thickness would be used as criteria for returning a recovery well to operation. This condition has been used with some exception in that wells will remain online while showing less than 0.5 feet of crude oil if they are not pumping groundwater. Also, fine tuning the pumping cycle has allowed several of the wells to remain constantly online without recovering significant groundwater.

GROUNDWATER DISPOSAL ACTIVITIES

On March 13, 2007, approximately 64 barrels of recovered groundwater and a minor amount of crude oil were removed from the oil storage tank and transported by Key Energy Services to Sundance Services in Eunice, New Mexico for disposal.

On October 11, 2007, approximately 51 barrels of recovered groundwater and a minor amount of crude oil were removed from the oil storage tank and transported by Key Energy Services to Sundance Services in Eunice, New Mexico for disposal. Also on October 11, 2007, ConocoPhillips removed approximately 32 barrels of crude oil from the oil storage tank and injected it into the Gaines Station pipeline.

On February 12, 2008, approximately 55 barrels of recovered groundwater and a minor amount of crude oil were removed from the oil storage tank and transported by Key Energy Services to Sundance Services in Eunice, New Mexico for disposal.

The C-117A disposal permits for these groundwater disposal activities are included in Appendix C.

SYSTEM OPERATION AND MAINTENANCE

The remediation system equipment operation and maintenance schedule was performed according to manufacture recommendations and included periodic oil and oil filter changes, air filter replacement, motor bearing lubrication and air/oil separator maintenance on the

Sullivan/Palatek 20D air compressor; periodic checking of the motor bearings on the Roton soil vapor extraction (SVE) blower; replacement of fuses and indicator bulbs on the system control panel as needed; monitoring and replacement/repair of gauges, fittings, air regulators and hoses on the pneumatic pumps and wellhead assemblies; monitoring and periodic leak checking on the bio-venting and nutrient injection wellheads; and routine monitoring of all system fittings, hoses, sight glasses, gauges, valves, seals, lines, bearings, control switches and solenoids. The operation and maintenance schedule also included recording the system gauge, timer and totalizer readings for monitoring of system functions over time.

The SVE system was routinely monitored for vacuum readings at the blower intake manifold, well inlet header and SVE wellheads; blower exhaust stack flow rate, temperature, and effluent concentrations of VOC; and volume of oil recovered in the condensate separator. Oil recovered by the SVE condensate separator was transferred to the OWS and ultimately accumulated into a storage tank for disposal. The nutrient injection system is currently being used for air sparging only using ambient air.

REMEDIATION SYSTEM LINE PRESSURE TESTING

The remediation system below grade oil recovery, and groundwater extraction and re-injection piping were pressure tested on September 10-12, 2007 to fulfill the requirements of Discharge Permit GW-349 issued by the NMOCD for the Site on October 10, 2002. Ferguson Construction of Lovington, New Mexico performed the line pressure testing utilizing hydro-testing techniques, with recording instrumentation consisting of a Barton pressure meter recorder, a Barton temperature meter recorder, a dead weight tester and 200 pounds per square inch (psi) gauges. The below grade oil recovery, and groundwater extraction and re-injection lines were filled with fresh water, capped and air pressure applied to a minimum of 3 psi above the normal operating pressures. The oil recovery lines pressure and temperature were monitored for approximately 20 hours using chart recorders with no observed pressure decline or leakage. The groundwater extraction and re-injection lines pressure and temperature were monitored for approximately 24 hours using chart recorders with no observed pressure decline or leakage. Upon completion of the pressure testing, all the lines were reconnected to the original specifications. Copies of the pressure and temperature recorder charts are included in Appendix D.

CONCLUSIONS

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

- Analytical results from the recent four quarters of groundwater sampling show a lateral dispersion of dissolved phase components in response to the groundwater elevation increases observed at the Site in October 2004 and January 2005. Groundwater levels measured during the recent sampling events show they peaked in January 2005 and have begun a decreasing trend.
- The LPH plume shows a variation in thickness during the four reporting quarters as the plume reestablishes and responds to the changes in groundwater levels. Crude oil skimming in the recovery wells may also be having an affect on the LPH plume thickness.
- Thin measurable levels of LPH were observed in well IW-4 during all four quarterly sampling events during the April 2007 – January 2008 sampling period, and in all six groundwater re-injection wells during the January 2008 sampling event as a response to the dispersion of the LPH plume due to past increased groundwater levels at the Site.
- Due to BTEX detections in effluent discharge samples, indicating a breakthrough in the GAC due to VOC loading, the groundwater extraction, treatment and re-injection system was shutdown on September 21, 2005, with verbal approval from NMOCD and continues to remain shutdown.
- From initial abatement activities to February, 2008, the crude oil recovery system has recovered approximately 1,230 barrels of crude oil. Groundwater recovery by the oil skimmer system has decreased, due to an enhanced maintenance schedule to reduce groundwater recovery by the skimmer wells.
- The requirement to analyze groundwater samples from the Site annually for WQCC metals, PAH and TDS was completed and will continue as necessary.
- The remediation system below grade oil recovery piping was pressure tested on September 10-12, 2007, and found to be competent.
- Submittal of this report fulfills the compliance requirements outlined in ConocoPhillips Discharge Permit GW-349.

TETRA TECH, INC.

RECOMMENDATIONS

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

- Continue the enhanced maintenance schedule on the crude oil skimmer system to improve the recovery of crude oil and reduce or eliminate recovered groundwater.
- Continue operation of the bioremediation system to counter the dispersion of dissolved phase constituents.
- Install up to four (4) additional groundwater monitoring wells downgradient of the IWs to determine the extent of the crude oil observed in these wells during the quarterly monitoring events.

Should you have any questions or comments upon review of this report, please contact Mr. Tom Wynn at (918) 661-0310 or myself at (432) 686-8081.

Sincerely,
TETRA TECH

Greg W. Pope, P.G.
Project Manager

FIGURES

Figure 1	Site Map
Figure 2a	Groundwater Contour Map – April 2007
Figure 2b	Groundwater Contour Map – July 2007
Figure 2c	Groundwater Contour Map – October 2007
Figure 2d	Groundwater Contour Map – January 2008
Figure 3a	Summary of Groundwater Analytical Results – April 2007
Figure 3b	Summary of Groundwater Analytical Results – July 2007
Figure 3c	Summary of Groundwater Analytical Results – October 2007
Figure 3d	Summary of Groundwater Analytical Results – January 2008
Figure 4a	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – April 2007
Figure 4b	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – July 2007
Figure 4c	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – October 2007
Figure 4d	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – January 2008

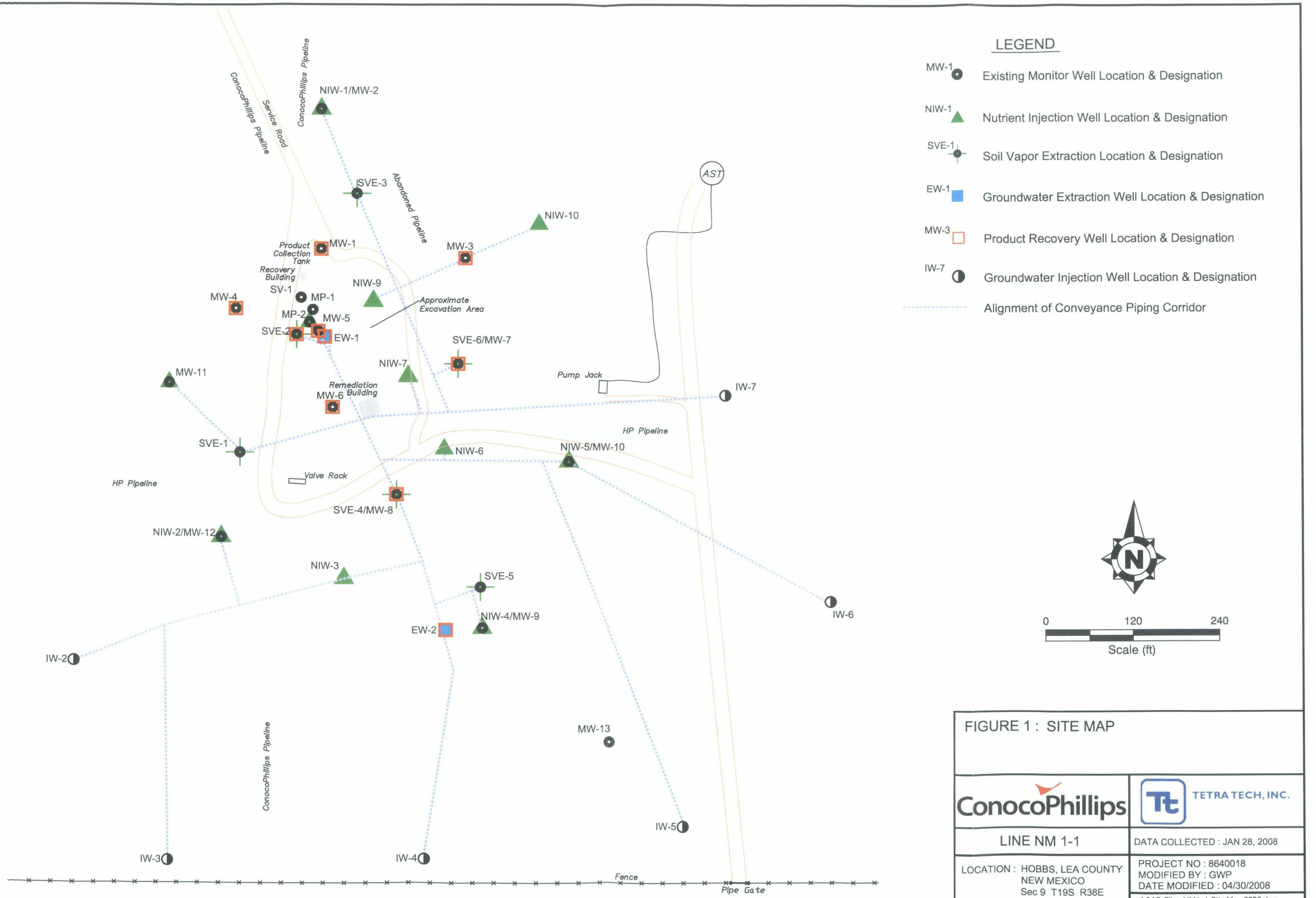


FIGURE 1 : SITE MAP

ConocoPhillips

TETRA TECH, INC.

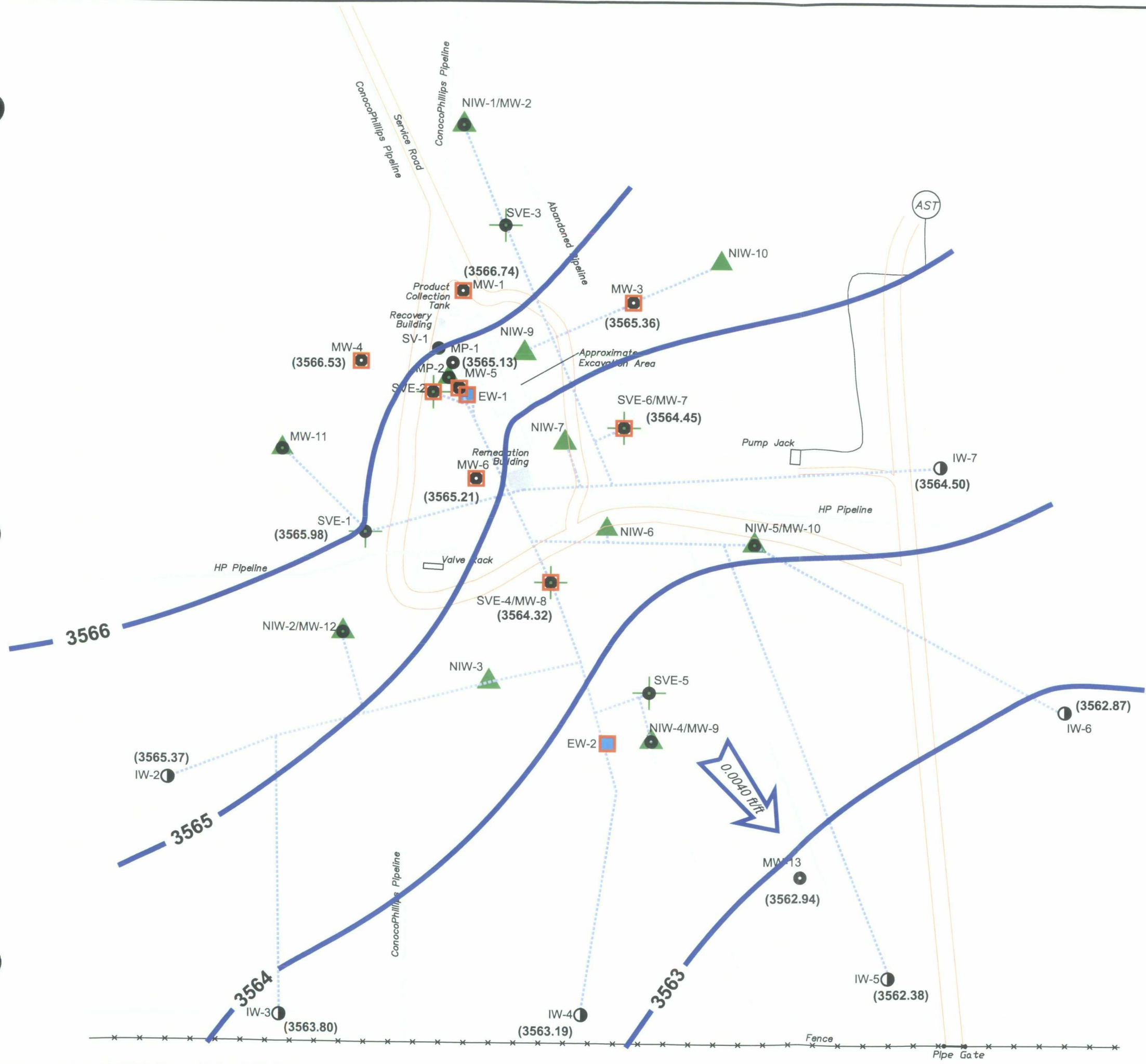
LINE NM 1-1

DATA COLLECTED : JAN 28, 2008

LOCATION : HOBBS, LEA COUNTY
NEW MEXICO
Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 Site Map 2008.dwg



LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- —3565— Groundwater Elevation Contour
- (3566.74) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

N

0 120 240

Scale (ft)

FIGURE 2a : GROUNDWATER ELEVATION CONTOUR MAP APRIL 2007

ConocoPhillips | TETRA TECH, INC.

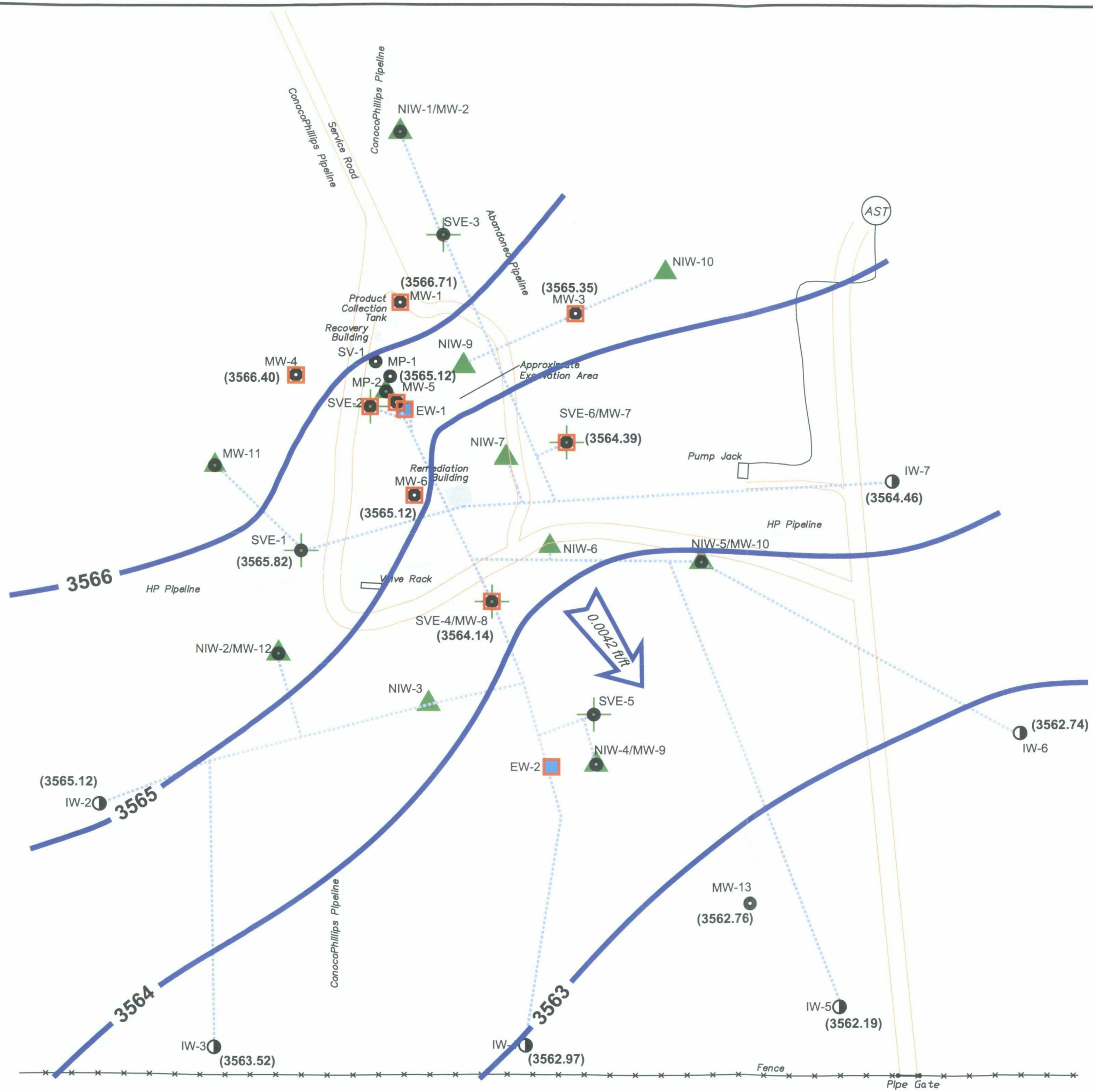
LINE NM 1-1

DATA COLLECTED : APRIL 23, 2007

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 GW Apr07.dwg



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- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- —3565— Groundwater Elevation Contour
- (3566.71) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

0 120 240

Scale (ft)

FIGURE 2b : GROUNDWATER ELEVATION CONTOUR MAP JULY 2007

ConocoPhillips

TETRA TECH, INC.

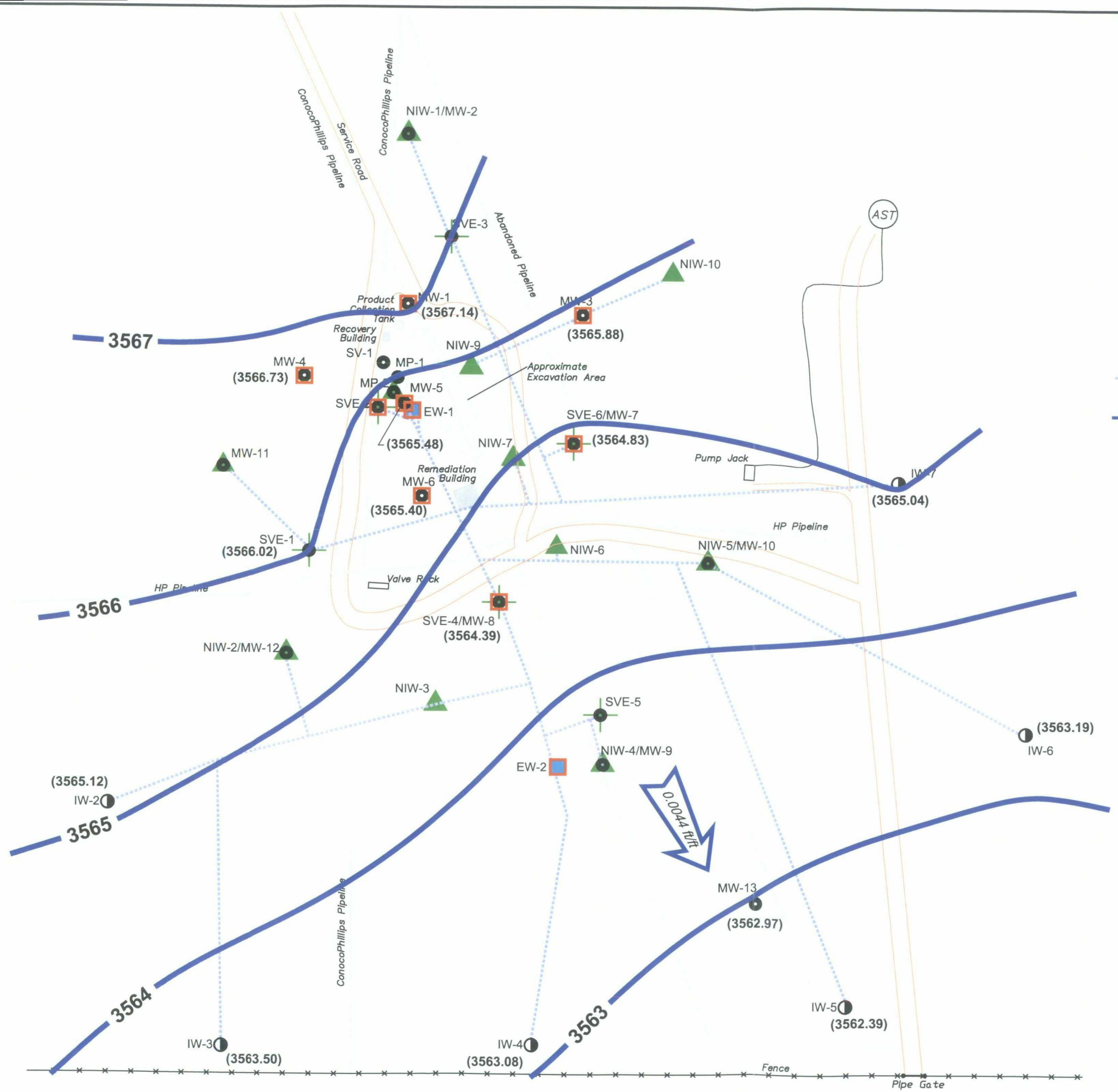
LINE NM 1-1

DATA COLLECTED : JULY 23, 2007

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/08

ACAD File : NM1_1 GW Jul07.dwg



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- EW-1 — Groundwater Extraction Well Location & Designation
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- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- —3565— Groundwater Elevation Contour
- (3567.14) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

N

0 120 240

Scale (ft)

FIGURE 2c : GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 2007

ConocoPhillips

TETRA TECH, INC.

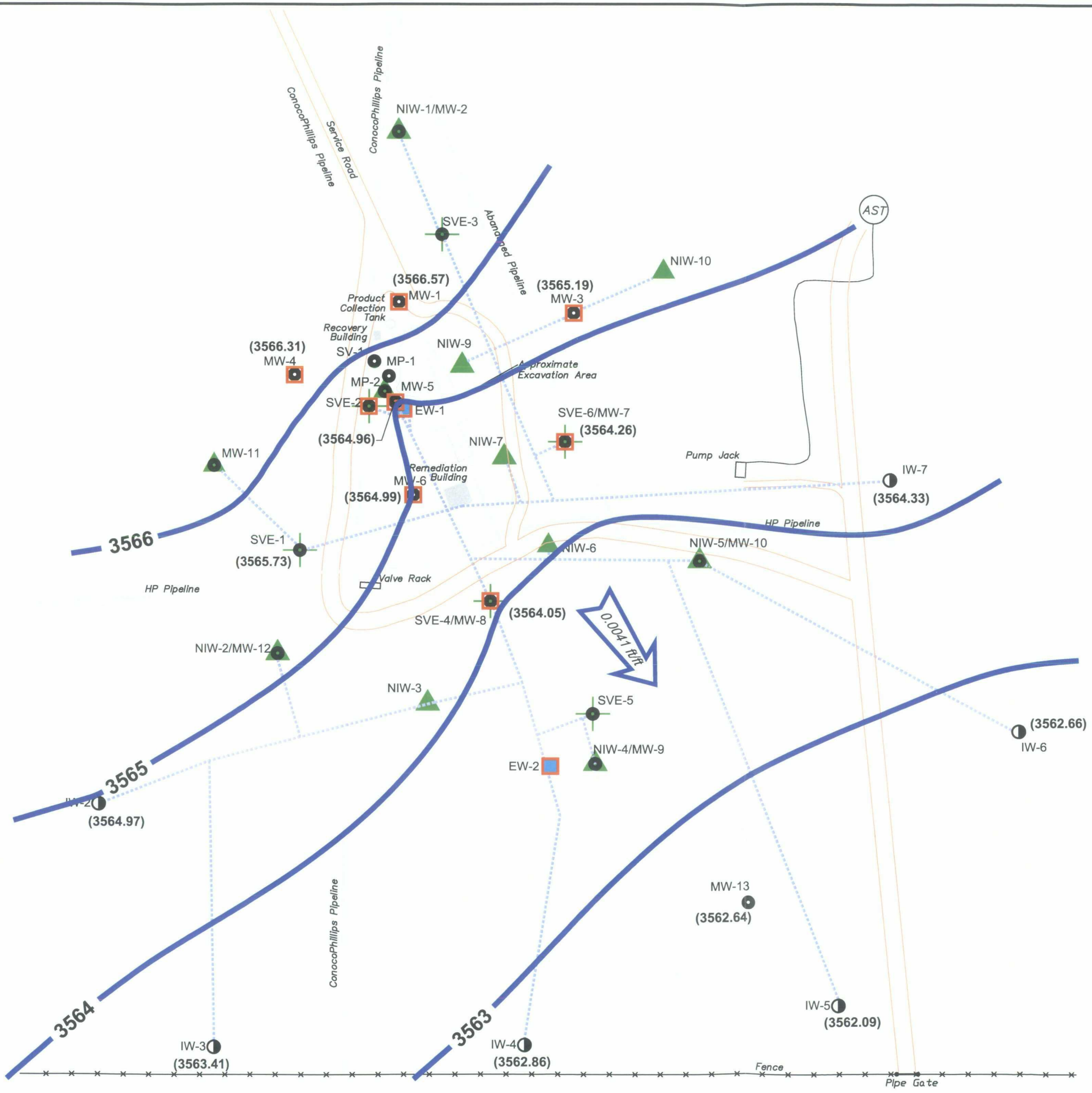
LINE NM 1-1

DATA COLLECTED : OCT 22, 2007

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 GW Oct07.dwg



LEGEND

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- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- —3565— Groundwater Elevation Contour
- (3566.57) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

0 120 240

Scale (ft)

FIGURE 2d : GROUNDWATER ELEVATION CONTOUR MAP JANUARY 2008

ConocoPhillips

TETRA TECH, INC.

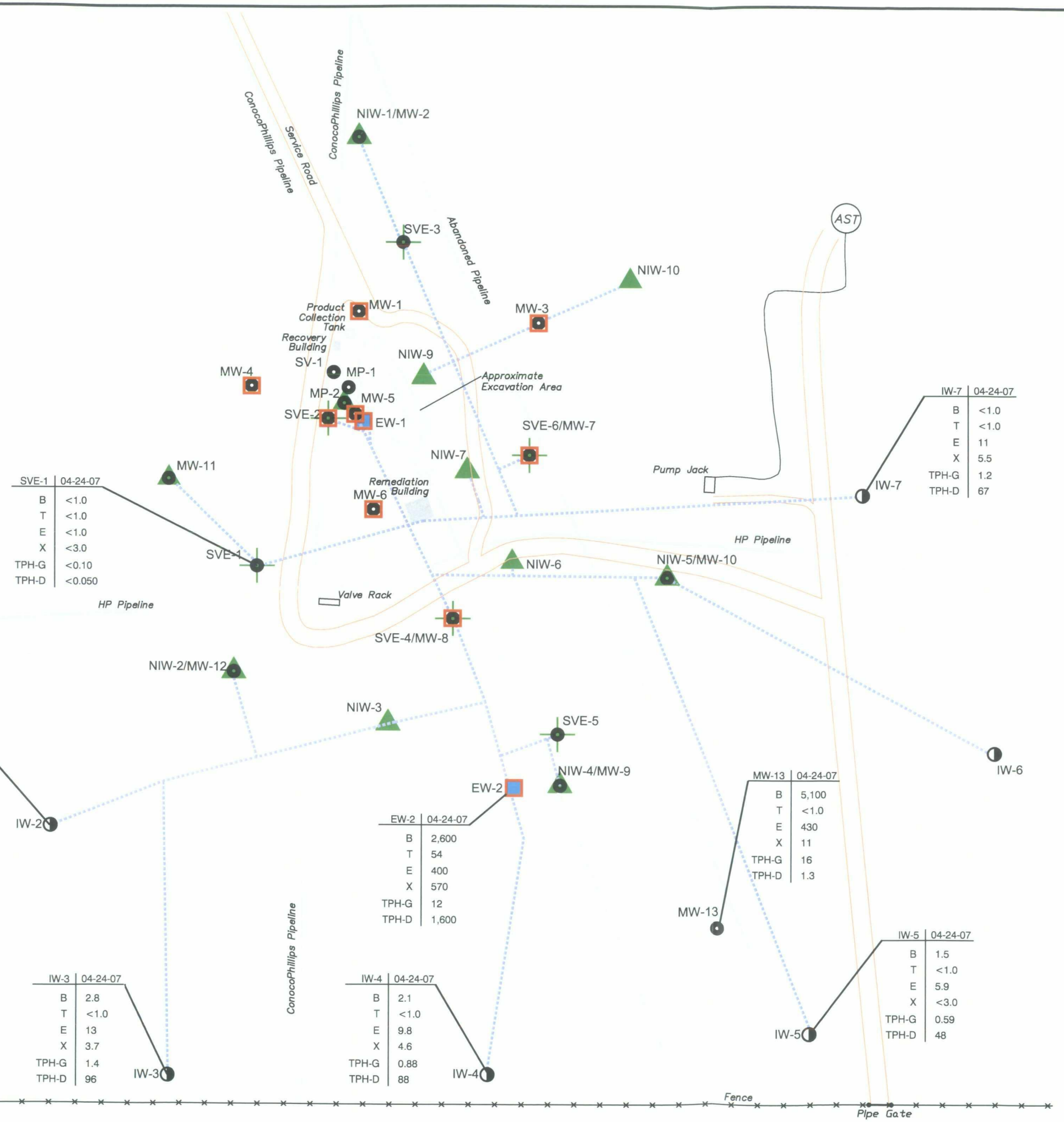
LINE NM 1-1

DATA COLLECTED : JAN 28, 2008

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 GW Jan08.dwg



SVE-1	04-24-07
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	<0.050

IW-7	04-24-07
B	<1.0
T	<1.0
E	11
X	5.5
TPH-G	1.2
TPH-D	67

IW-2	04-24-07
B	<1.0
T	<1.0
E	6.1
X	<3.0
TPH-G	0.45
TPH-D	32

EW-2	04-24-07
B	2,600
T	54
E	400
X	570
TPH-G	12
TPH-D	1,600

MW-13	04-24-07
B	5,100
T	<1.0
E	430
X	11
TPH-G	16
TPH-D	1.3

IW-3	04-24-07
B	2.8
T	<1.0
E	13
X	3.7
TPH-G	1.4
TPH-D	96

IW-4	04-24-07
B	2.1
T	<1.0
E	9.8
X	4.6
TPH-G	0.88
TPH-D	88

IW-5	04-24-07
B	1.5
T	<1.0
E	5.9
X	<3.0
TPH-G	0.59
TPH-D	48

LEGEND

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- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

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

µg/L = micrograms per liter

mg/L = milligrams per liter

N

0 120 240

Scale (ft)

FIGURE 3a : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS APRIL 2007

ConocoPhillips

TETRA TECH, INC.

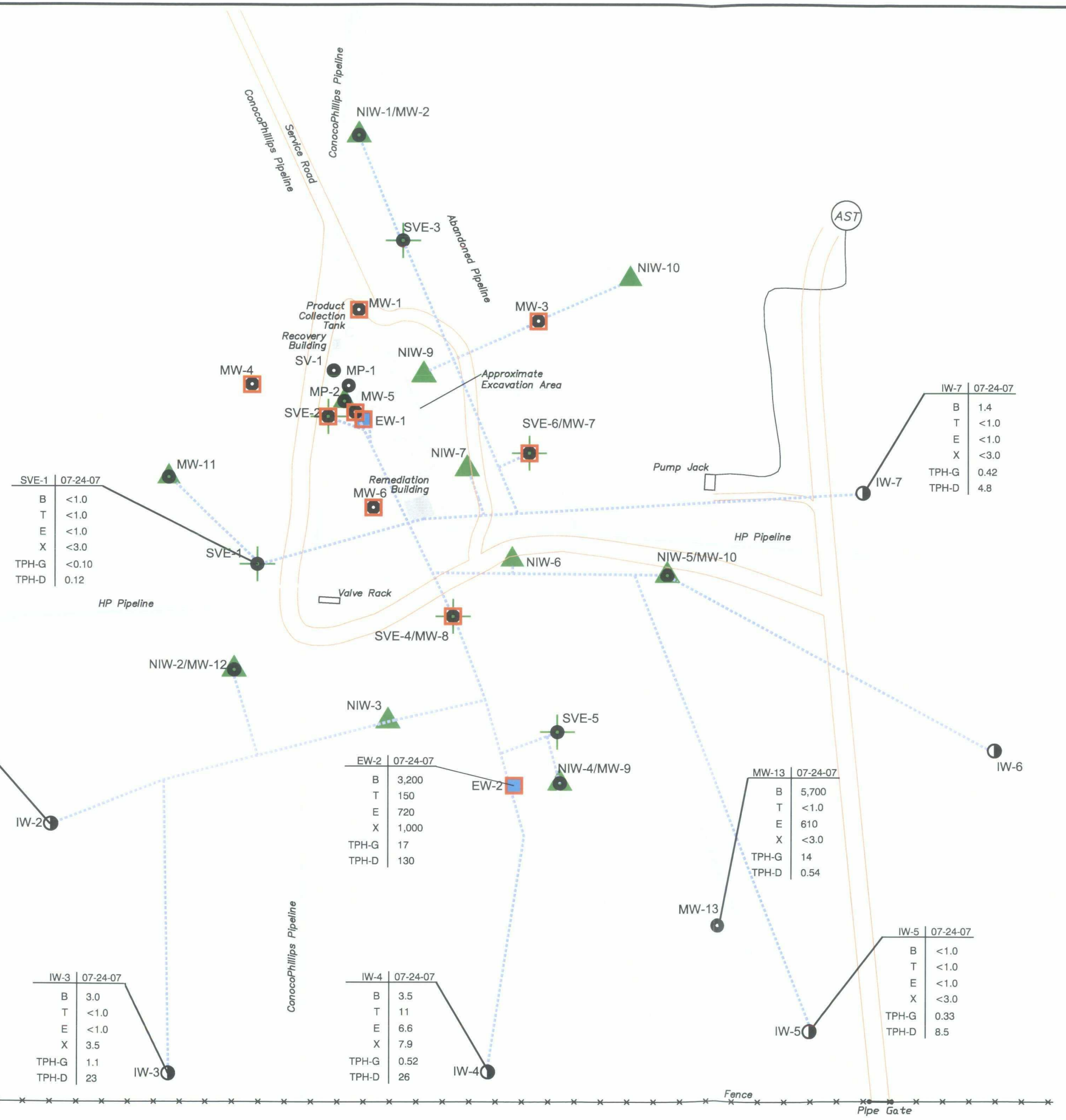
LINE NM 1-1

DATA COLLECTED : APRIL 24, 2007

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 GW Results Apr07.dwg



SVE-1	07-24-07
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	0.12

IW-7	07-24-07
B	1.4
T	<1.0
E	<1.0
X	<3.0
TPH-G	0.42
TPH-D	4.8

IW-2	07-24-07
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	0.23
TPH-D	29

EW-2	07-24-07
B	3,200
T	150
E	720
X	1,000
TPH-G	17
TPH-D	130

MW-13	07-24-07
B	5,700
T	<1.0
E	610
X	<3.0
TPH-G	14
TPH-D	0.54

IW-3	07-24-07
B	3.0
T	<1.0
E	<1.0
X	3.5
TPH-G	1.1
TPH-D	23

IW-4	07-24-07
B	3.5
T	11
E	6.6
X	7.9
TPH-G	0.52
TPH-D	26

IW-5	07-24-07
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	0.33
TPH-D	8.5

LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

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

μg/L = micrograms per liter

mg/L = milligrams per liter

N

0 120 240

Scale (ft)

FIGURE 3b : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS JULY 2007

ConocoPhillips

TETRA TECH, INC.

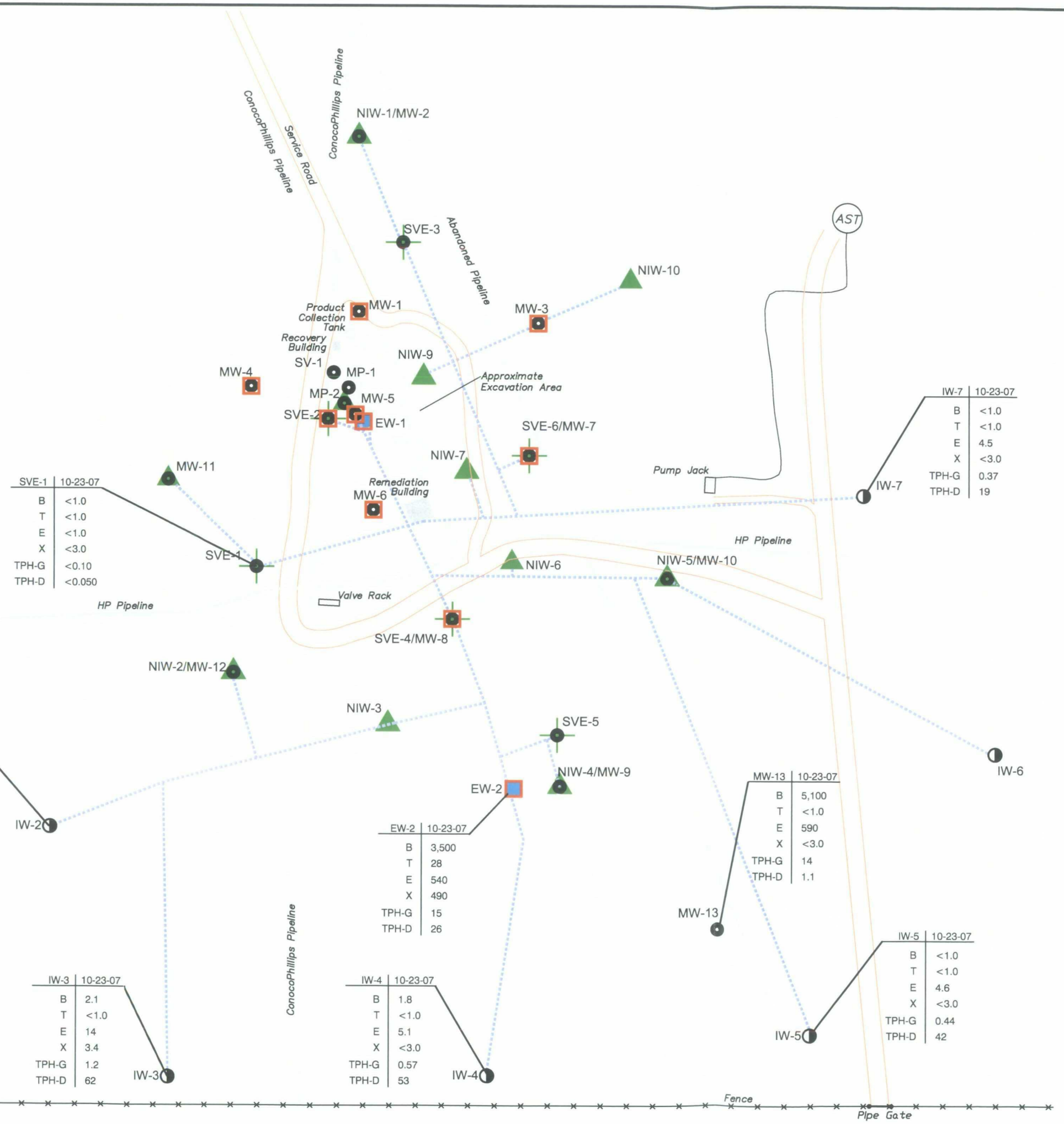
LINE NM 1-1

DATA COLLECTED : JULY 24, 2007

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 GW Results Jul07.dwg



SVE-1	10-23-07
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	<0.050

IW-7	10-23-07
B	<1.0
T	<1.0
E	4.5
X	<3.0
TPH-G	0.37
TPH-D	19

IW-2	10-23-07
B	<1.0
T	<1.0
E	19
X	5.0
TPH-G	2.5
TPH-D	200

EW-2	10-23-07
B	3,500
T	28
E	540
X	490
TPH-G	15
TPH-D	26

MW-13	10-23-07
B	5,100
T	<1.0
E	590
X	<3.0
TPH-G	14
TPH-D	1.1

IW-3	10-23-07
B	2.1
T	<1.0
E	14
X	3.4
TPH-G	1.2
TPH-D	62

IW-4	10-23-07
B	1.8
T	<1.0
E	5.1
X	<3.0
TPH-G	0.57
TPH-D	53

IW-5	10-23-07
B	<1.0
T	<1.0
E	4.6
X	<3.0
TPH-G	0.44
TPH-D	42

LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

Well Number	Sample Date

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

µg/L = micrograms per liter

mg/L = milligrams per liter

0 120 240

Scale (ft)

FIGURE 3c : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS OCTOBER 2007

ConocoPhillips

TETRA TECH, INC.

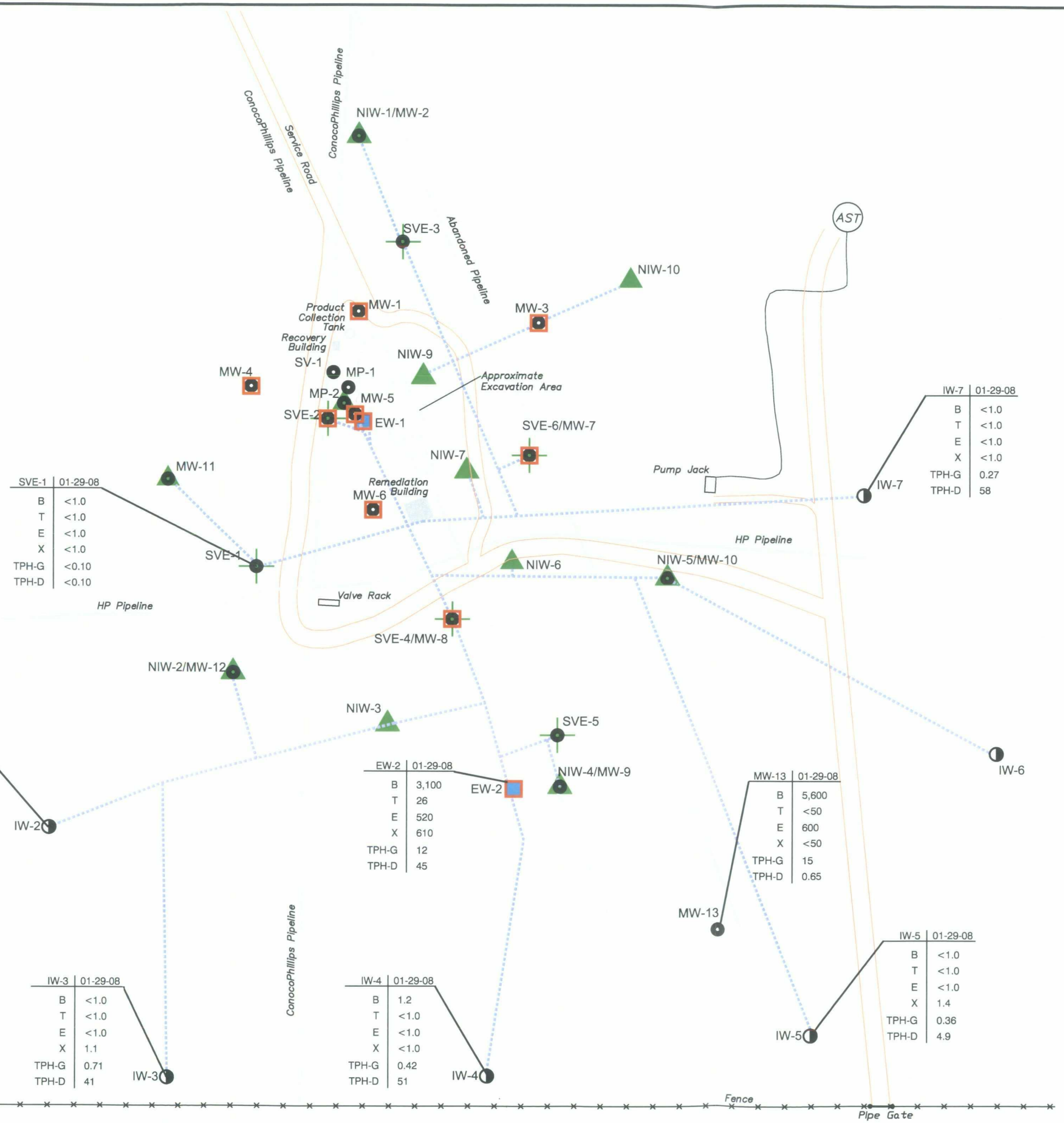
LINE NM 1-1

DATA COLLECTED : OCT 23, 2007

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/2008

ACAD File : NM1_1 GW Results Oct07.dwg



LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Well Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

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

µg/L = micrograms per liter

mg/L = milligrams per liter

N

0 120 240

Scale (ft)

FIGURE 3d : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS JANUARY 2008

ConocoPhillips

TETRA TECH, INC.

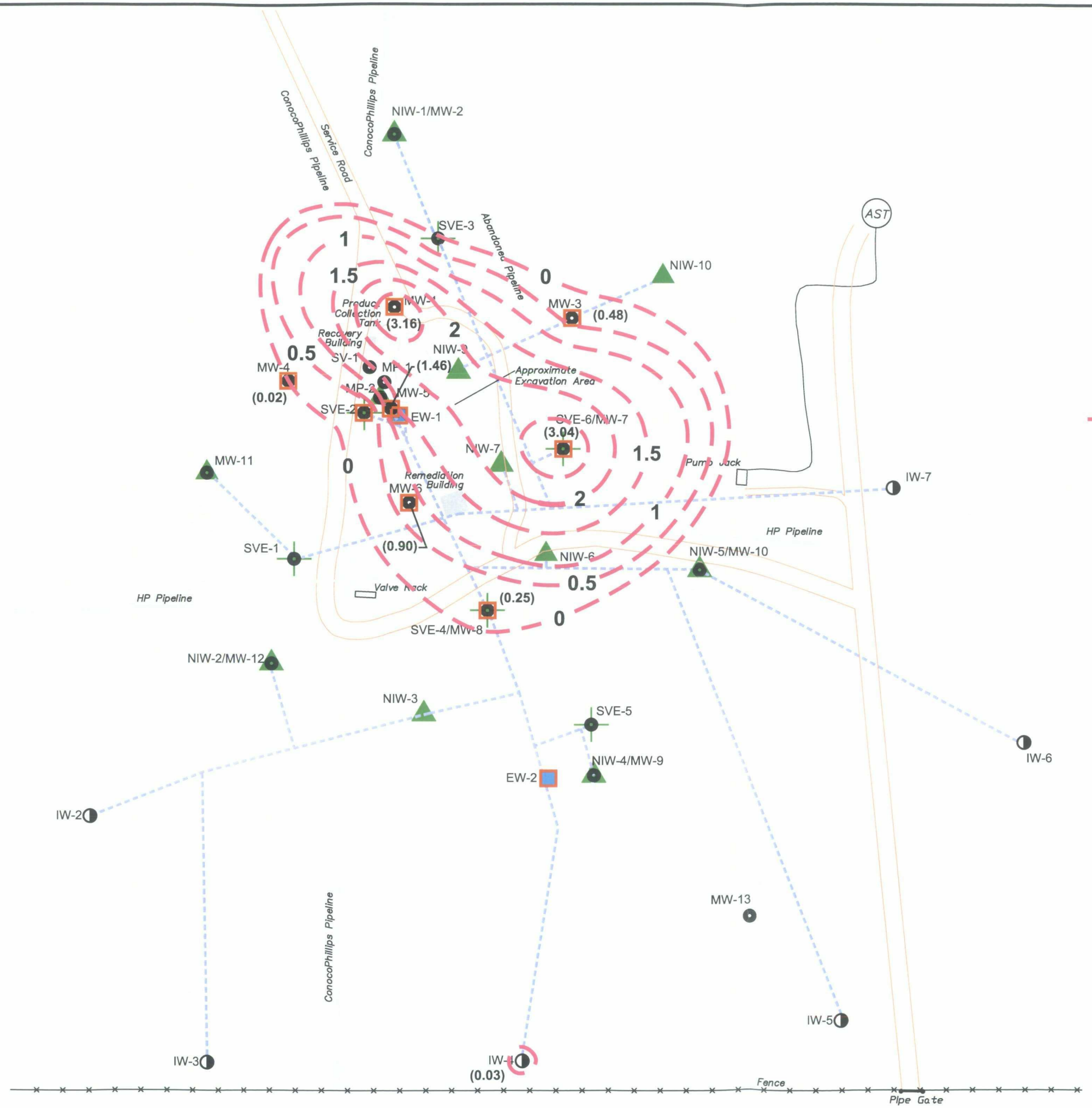
LINE NM 1-1

DATA COLLECTED : JAN 29, 2008

LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E

PROJECT NO : 8640018
MODIFIED BY : GWP
DATE MODIFIED : 04/30/08

ACAD File : NM1_1 GW Results Jan08.dwg



LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- 1 — LPH Thickness Contour
- (3.16) — LPH Thickness (feet)

N

0 120 240

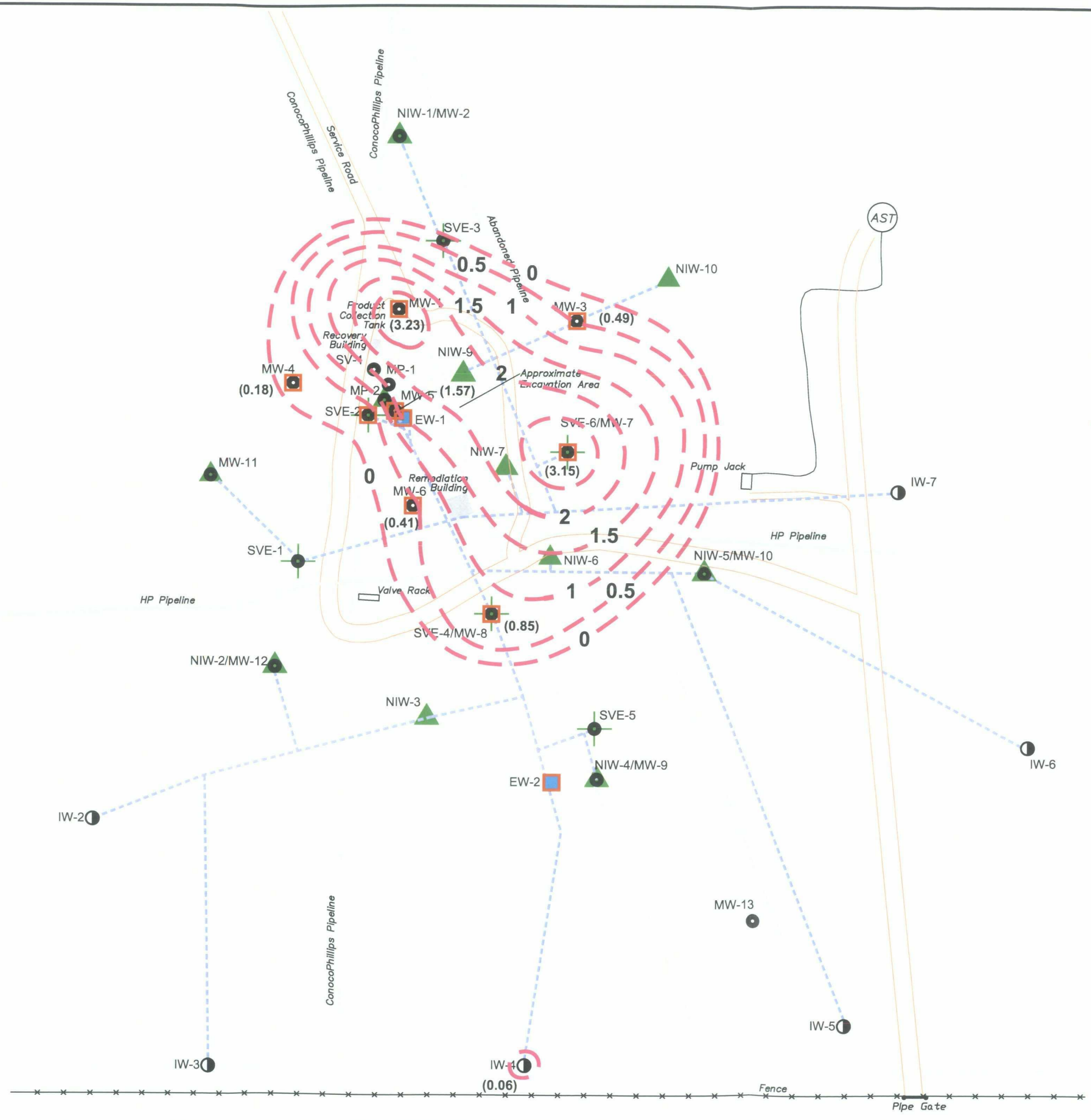
Scale (ft)

FIGURE 4a : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP APRIL 2007

ConocoPhillips

TETRA TECH, INC.

LINE NM 1-1	DATA COLLECTED : APRIL 23, 2007
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 8640018 MODIFIED BY : GWP DATE MODIFIED : 04/30/08
	ACAD File : NM1_1 LPH Apr07.dwg



LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- 1 — LPH Thickness Contour
- (3.23) — LPH Thickness (feet)

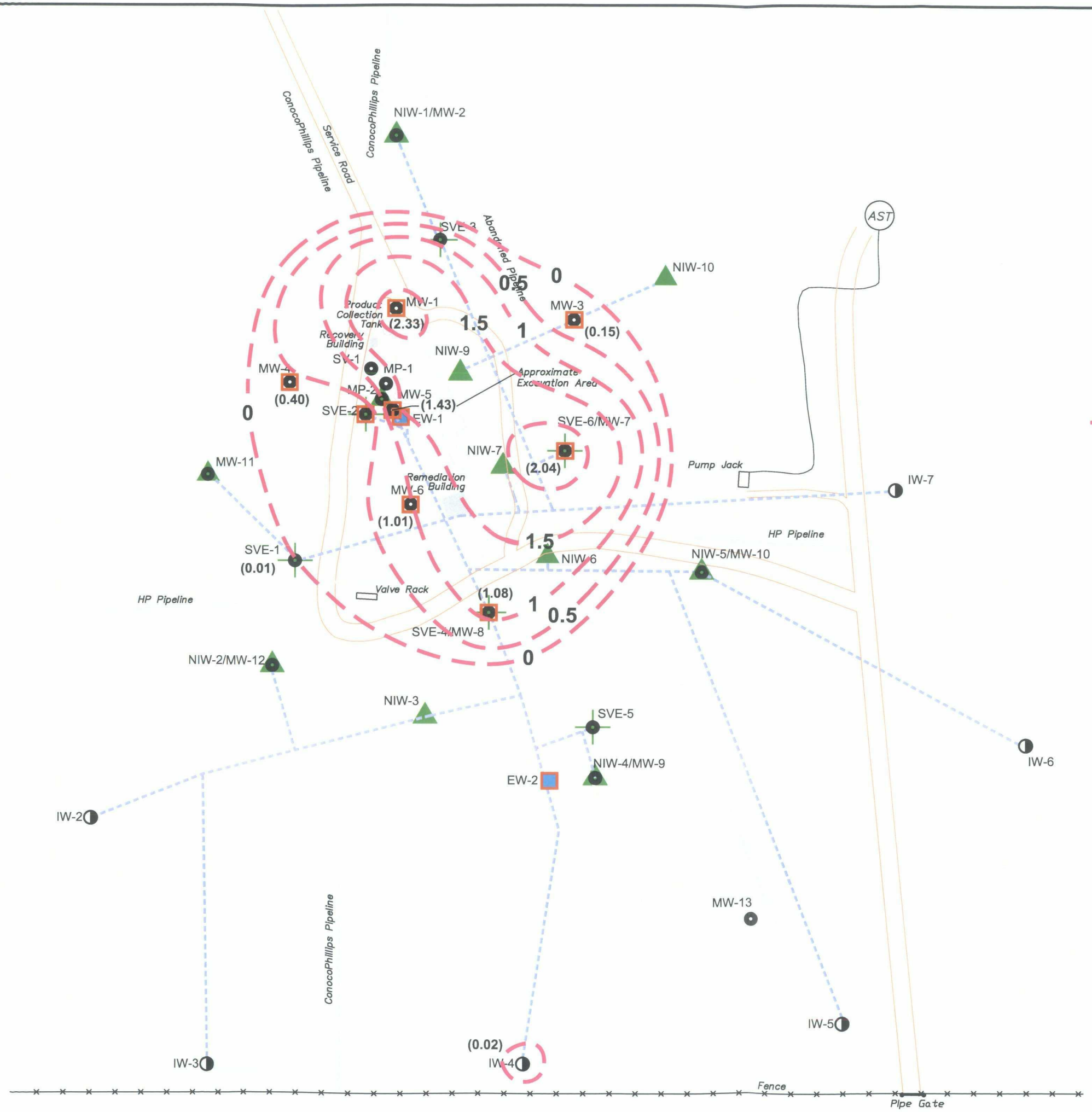
N

0 120 240

Scale (ft)

FIGURE 4b : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP JULY 2007

ConocoPhillips	TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : JULY 23, 2007
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 8640018 MODIFIED BY : GWP DATE MODIFIED : 04/30/2008
	ACAD File : NM1_1 LPH Jul07.dwg



LEGEND

- MW-1 — Existing Monitor Well Location & Designation
- NIW-1 — Nutrient Injection Well Location & Designation
- SVE-1 — Soil Vapor Extraction Location & Designation
- EW-1 — Groundwater Extraction Well Location & Designation
- MW-3 — Product Recovery Well Location & Designation
- IW-7 — Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- 1 — LPH Thickness Contour
- (2.33) — LPH Thickness (feet)

FIGURE 4c : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP OCTOBER 2007

ConocoPhillips	TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : OCT 22, 2007
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 8640018 MODIFIED BY : GWP DATE MODIFIED : 04/30/2008
	ACAD File : NM1_1 LPH Oct07.dwg

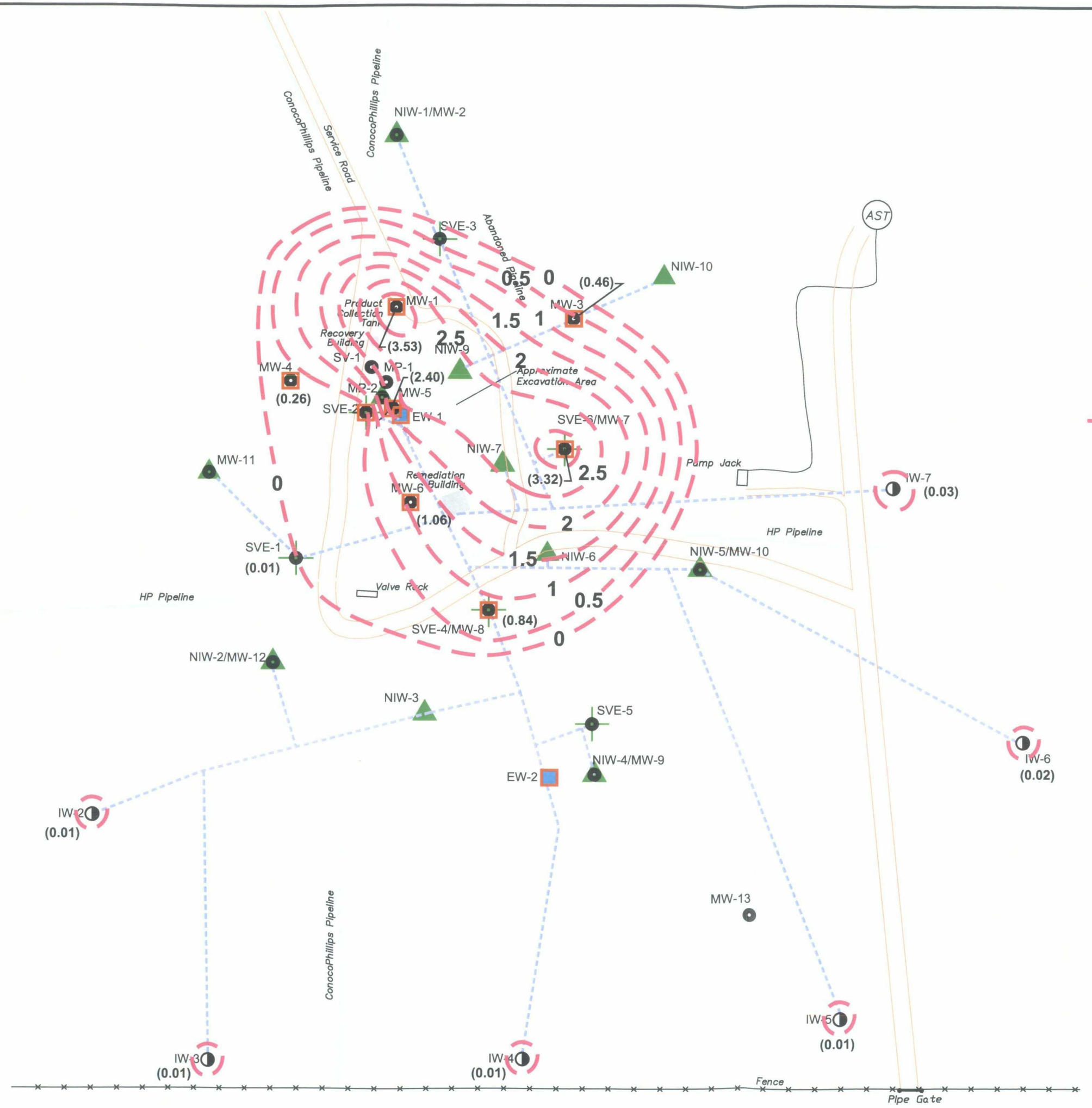


FIGURE 4d : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP JANUARY 2008

ConocoPhillips

TETRA TECH, INC.

LINE NM 1-1	DATA COLLECTED : JAN 28, 2008
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 8640018 MODIFIED BY : GWP DATE MODIFIED : 04/30/2008
	ACAD File : NM1_1 LPH Jan08.dwg

TABLES

Table 1	Water Level Measurements
Table 2a	Summary of Groundwater Analytical Data - Organics
Table 2b	Groundwater Analytical Data - Organics
Table 2c	Groundwater Analytical Data - Inorganics
Table 2d	Groundwater Data – WQCC and PAH Analyses

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1	02/27/01	3603.30	36.20	30.13	6.07	4.86	31.34	3571.96
	06/25/01	3603.30	35.23	34.92	0.31	0.25	34.98	3568.32
	09/25/01	3603.30	40.28	34.64	5.64	4.51	35.77	3567.53
	12/11/01	3603.30	40.72	34.96	5.76	4.61	36.11	3567.19
	11/05/02	3603.30	41.32	35.76	5.56	4.45	36.87	3566.43
	04/21/03	3603.30	41.52	36.33	5.19	4.15	37.37	3565.93
	06/23/03	3603.30	41.89	36.29	5.60	4.48	37.41	3565.89
	11/05/03	3603.30	41.83	36.50	5.33	4.26	37.57	3565.73
	01/19/04	3603.30	42.39	37.06	5.33	4.26	38.13	3565.17
	04/19/04	3603.30	42.07	37.29	4.78	3.82	38.25	3565.05
	07/20/04	3603.30	40.91	37.03	3.88	3.10	37.81	3565.49
	10/25/04	3603.30	35.26	34.78	0.48	0.38	34.88	3568.42
	01/24/05	3603.30	33.36	32.92	0.44	0.35	33.01	3570.29
	04/18/05	3603.30	35.54	33.32	2.22	1.78	33.76	3569.54
	07/18/05	3603.30	36.48	34.08	2.40	1.92	34.56	3568.74
	08/19/05	3603.30	37.13	34.43	2.70	2.16	34.97	3568.33
	10/17/05	3603.30	35.90	34.10	1.80	1.44	34.46	3568.84
	11/16/05	3603.30	35.78	34.19	1.59	1.27	34.51	3568.79
	11/29/05	3603.30	35.95	34.28	1.67	1.34	34.61	3568.69
	12/12/05	3603.30	36.31	34.35	1.96	1.57	34.74	3568.56
	12/21/05	3603.30	36.82	34.31	2.51	2.01	34.81	3568.49
	12/28/05	3603.30	36.75	34.44	2.31	1.85	34.90	3568.40
	01/04/06	3603.30	36.91	34.52	2.39	1.91	35.00	3568.30
	01/11/06	3603.30	36.91	34.49	2.42	1.94	34.97	3568.33
	01/16/06	3603.30	34.99	34.92	0.07	0.06	34.93	3568.37
	01/23/06	3603.30	36.51	34.79	1.72	1.38	35.13	3568.17
	02/01/06	3603.30	35.21	34.98	0.23	0.18	35.03	3568.27
	02/16/06	3603.30	35.25	35.08	0.17	0.14	35.11	3568.19
	03/06/06	3603.30	35.42	35.26	0.16	0.13	35.29	3568.01
	03/29/06	3603.30	35.56	35.49	0.07	0.06	35.50	3567.80
	04/04/06	3603.30	35.61	35.52	0.09	0.07	35.54	3567.76
	04/11/06	3603.30	35.88	35.52	0.36	0.29	35.59	3567.71
	04/17/06	3603.30	35.71	35.46	0.25	0.20	35.51	3567.79
	04/24/06	3603.30	37.23	35.33	1.90	1.52	35.71	3567.59
	05/03/06	3603.30	35.96	35.75	0.21	0.17	35.79	3567.51
	05/31/06	3603.30	36.02	35.93	0.09	0.07	35.95	3567.35
	06/09/06	3603.30	36.25	35.91	0.34	0.27	35.98	3567.32
	06/12/06	3603.30	36.13	36.02	0.11	0.09	36.04	3567.26
	06/26/06	3603.30	37.02	35.92	1.10	0.88	36.14	3567.16
	07/05/06	3603.30	37.51	35.94	1.57	1.26	36.25	3567.05
	07/10/06	3603.30	37.04	36.06	0.98	0.78	36.26	3567.04
	07/17/06	3603.30	37.97	35.96	2.01	1.61	36.36	3566.94
	07/24/06	3603.30	38.26	35.88	2.38	1.90	36.36	3566.94
	08/02/06	3603.30	38.56	35.93	2.63	2.10	36.46	3566.84
	08/14/06	3603.30	38.81	36.01	2.80	2.24	36.57	3566.73
	08/28/06	3603.30	38.83	35.99	2.84	2.27	36.56	3566.74
	09/14/06	3603.30	37.95	35.64	2.31	1.85	36.10	3567.20
	09/21/06	3603.30	37.62	35.55	2.07	1.66	35.96	3567.34
	09/25/06	3603.30	37.40	35.52	1.88	1.50	35.90	3567.40
	10/02/06	3603.30	36.70	35.49	1.21	0.97	35.73	3567.57
	10/10/06	3603.30	36.52	35.42	1.10	0.88	35.64	3567.66
	10/16/06	3603.30	35.97	35.41	0.56	0.45	35.52	3567.78
	10/23/06	3603.30	36.41	35.17	1.24	0.99	35.42	3567.88
	10/30/06	3603.30	35.54	35.45	0.09	0.07	35.47	3567.83
	11/06/06	3603.30	35.45	35.38	0.07	0.06	35.39	3567.91
	11/21/06	3603.30	35.46	35.40	0.06	0.05	35.41	3567.89
	11/28/06	3603.30	35.50	35.42	0.08	0.06	35.44	3567.86
	12/05/06	3603.30	36.05	35.36	0.69	0.55	35.50	3567.80
	12/11/06	3603.30	35.54	35.49	0.05	0.04	35.50	3567.80
	12/18/06	3603.30	35.61	35.56	0.05	0.04	35.57	3567.73
	01/02/07	3603.30	35.83	35.72	0.11	0.09	35.74	3567.56
	01/08/07	3603.30	35.83	35.36	0.47	0.38	35.45	3567.85
	01/23/07	3603.30	37.26	35.47	1.79	1.43	35.83	3567.47
	02/05/07	3603.30	36.14	36.03	0.11	0.09	36.05	3567.25
	02/26/07	3603.30	36.68	36.17	0.51	0.41	36.27	3567.03
	03/05/07	3603.30	36.36	36.27	0.09	0.07	36.29	3567.01
	03/13/07	3603.30	36.91	36.22	0.69	0.55	36.36	3566.94
	03/19/07	3603.30	36.46	36.35	0.11	0.09	36.37	3566.93

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1 cont.	03/26/07	3603.30	36.05	36.05	0.00	0.00	36.05	3567.25
	04/02/07	3603.30	38.76	36.05	2.71	2.17	36.59	3566.71
	04/23/07	3603.30	39.09	35.93	3.16	2.53	36.56	3566.74
	05/01/07	3603.30	39.21	36.11	3.10	2.48	36.73	3566.57
	05/29/07	3603.30	39.24	36.07	3.17	2.54	36.70	3566.60
	06/04/07	3603.30	39.20	36.06	3.14	2.51	36.69	3566.61
	06/11/07	3603.30	39.20	36.04	3.16	2.53	36.67	3566.63
	06/18/07	3603.30	39.22	36.03	3.19	2.55	36.67	3566.63
	06/26/07	3603.30	39.20	35.92	3.28	2.62	36.58	3566.72
	07/09/07	3603.30	39.18	36.00	3.18	2.54	36.64	3566.66
	07/17/07	3603.30	39.20	36.00	3.20	2.56	36.64	3566.66
	07/23/07	3603.30	39.17	35.94	3.23	2.58	36.59	3566.71
	07/30/07	3603.30	39.18	35.99	3.19	2.55	36.63	3566.67
	08/07/07	3603.30	39.24	36.03	3.21	2.57	36.67	3566.63
	08/20/07	3603.30	39.32	36.11	3.21	2.57	36.75	3566.55
	08/27/07	3603.30	39.44	36.12	3.32	2.66	36.78	3566.52
	09/04/07	3603.30	39.39	36.18	3.21	2.57	36.82	3566.48
	09/10/07	3603.30	39.48	36.15	3.33	2.66	36.82	3566.48
	09/25/07	3603.30	39.11	35.99	3.12	2.50	36.61	3566.69
	10/02/07	3603.30	38.78	35.89	2.89	2.31	36.47	3566.83
	10/11/07	3603.30	38.37	35.87	2.50	2.00	36.37	3566.93
	10/22/07	3603.30	38.02	35.69	2.33	1.86	36.16	3567.14
	10/31/07	3603.30	36.73	36.10	0.63	0.50	36.23	3567.07
	11/12/07	3603.30	37.97	35.85	2.12	1.70	36.27	3567.03
	11/19/07	3603.30	37.98	35.82	2.16	1.73	36.25	3567.05
	12/05/07	3603.30	38.31	35.88	2.43	1.94	36.37	3566.93
	12/10/07	3603.30	38.40	36.00	2.40	1.92	36.48	3566.82
	12/20/07	3603.30	38.55	36.06	2.49	1.99	36.56	3566.74
	01/07/08	3603.30	39.20	36.08	3.12	2.50	36.70	3566.60
	01/28/08	3603.30	39.55	36.02	3.53	2.82	36.73	3566.57
	02/12/08	3603.30	40.12	36.38	3.74	2.99	37.13	3566.17
	02/26/08	3603.30	40.14	36.49	3.65	2.92	37.22	3566.08
	03/11/08	3603.30	39.98	36.60	3.38	2.70	37.28	3566.02
	03/17/08	3603.30	39.46	36.80	2.66	2.13	37.33	3565.97
MW-2 (NIW-1)	02/27/01	3601.57	32.16		0.00	0.00	32.16	3569.41
	06/25/01	3601.57	32.60		0.00	0.00	32.60	3568.97
	09/25/01	3601.57	33.12		0.00	0.00	33.12	3568.45
	12/11/01	3601.57	33.51		0.00	0.00	33.51	3568.06
	05/20/02	3601.57	33.75		0.00	0.00	33.75	3567.82
MW-3	02/27/01	3602.77	38.93	33.88	5.05	4.04	34.89	3567.88
	06/25/01	3602.77	39.44	35.23	4.21	3.37	36.07	3566.70
	09/25/01	3602.77	40.41	35.79	4.62	3.70	36.71	3566.06
	12/11/01	3602.77	40.83	36.12	4.71	3.77	37.06	3565.71
	11/05/02	3602.77	41.26	36.82	4.44	3.55	37.71	3565.06
	04/21/03	3602.77	41.52	37.14	4.38	3.50	38.02	3564.75
	06/23/03	3602.77	37.93	36.77	1.16	0.93	37.00	3565.77
	11/05/03	3602.77	42.31	38.01	4.30	3.44	38.87	3563.90
	01/19/04	3602.77	42.68	38.36	4.32	3.46	39.22	3563.55
	04/19/04	3602.77	42.08	38.31	3.77	3.02	39.06	3563.71
	07/20/04	3602.77	41.09	38.01	3.08	2.46	38.63	3564.14
	10/25/04	3602.77	35.38		0.00	0.00	35.38	3567.39
	01/24/05	3602.77	35.22	33.51	1.71	1.37	33.85	3568.92
	04/18/05	3602.77	36.20	34.21	1.99	1.59	34.61	3568.16
	07/18/05	3602.77	37.30	35.15	2.15	1.72	35.58	3567.19
	08/19/05	3602.77	37.93	35.43	2.50	2.00	35.93	3566.84
	09/15/05	3602.77	37.05	35.30	1.75	1.40	35.65	3567.12
	09/29/05	3602.77	35.65	35.40	0.25	0.20	35.45	3567.32
	10/11/05	3602.77	35.86	35.26	0.60	0.48	35.38	3567.39
	10/17/05	3602.77	35.86	35.17	0.69	0.55	35.31	3567.46
	11/03/05	3602.77	35.68	35.16	0.52	0.42	35.26	3567.51
	11/16/05	3602.77	35.83	35.29	0.54	0.43	35.40	3567.37
	11/22/05	3602.77	35.82	35.23	0.59	0.47	35.35	3567.42
	11/29/05	3602.77	35.85	35.40	0.45	0.36	35.49	3567.28
	12/28/05	3602.77	35.87	35.72	0.15	0.12	35.75	3567.02
	01/04/06	3602.77	36.13	35.75	0.38	0.30	35.83	3566.94
	01/11/06	3602.77	36.03	35.76	0.27	0.22	35.81	3566.96
	01/16/06	3602.77	36.24	35.81	0.43	0.34	35.90	3566.87

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-3 cont.	01/23/06	3602.77	36.37	35.81	0.56	0.45	35.92	3566.85
	02/01/06	3602.77	36.10	36.00	0.10	0.08	36.02	3566.75
	02/16/06	3602.77	36.27	36.12	0.15	0.12	36.15	3566.62
	03/06/06	3602.77	36.49	36.29	0.20	0.16	36.33	3566.44
	03/29/06	3602.77	36.70	36.48	0.22	0.18	36.52	3566.25
	04/04/06	3602.77	36.76	36.51	0.25	0.20	36.56	3566.21
	04/11/06	3602.77	36.88	36.55	0.33	0.26	36.62	3566.15
	04/17/06	3602.77	36.89	36.57	0.32	0.26	36.63	3566.14
	04/24/06	3602.77	37.06	36.54	0.52	0.42	36.64	3566.13
	05/03/06	3602.77	36.91	36.72	0.19	0.15	36.76	3566.01
	05/31/06	3602.77	37.54	36.86	0.68	0.54	37.00	3565.77
	06/09/06	3602.77	37.70	36.90	0.80	0.64	37.06	3565.71
	06/12/06	3602.77	37.21	37.06	0.15	0.12	37.09	3565.68
	06/26/06	3602.77	37.91	37.03	0.88	0.70	37.21	3565.56
	07/05/06	3602.77	38.04	37.08	0.96	0.77	37.27	3565.50
	07/10/06	3602.77	38.08	37.09	0.99	0.79	37.29	3565.48
	07/17/06	3602.77	38.14	37.14	1.00	0.80	37.34	3565.43
	07/24/06	3602.77	37.71	37.15	0.56	0.45	37.26	3565.51
	08/02/06	3602.77	37.58	37.30	0.28	0.22	37.36	3565.41
	08/14/06	3602.77	37.50	37.42	0.08	0.06	37.44	3565.33
	08/28/06	3602.77	37.68	37.29	0.39	0.31	37.37	3565.40
	09/14/06	3602.77	37.10	36.82	0.28	0.22	36.88	3565.89
	09/21/06	3602.77	36.74	36.70	0.04	0.03	36.71	3566.06
	09/25/06	3602.77	35.56	35.51	0.05	0.04	35.52	3567.25
	10/02/06	3602.77	35.51	35.51	0.00	0.00	35.51	3567.26
	10/10/06	3602.77	36.44	36.44	0.00	0.00	36.44	3566.33
	10/16/06	3602.77	36.40	36.39	0.01	0.01	36.39	3566.38
	10/23/06	3602.77	36.26	36.26	0.00	0.00	36.26	3566.51
	10/30/06	3602.77	36.31	36.31	0.00	0.00	36.31	3566.46
	11/06/06	3602.77	36.27	36.26	0.01	0.01	36.26	3566.51
	11/21/06	3602.77	36.30	36.29	0.01	0.01	36.29	3566.48
	11/28/06	3602.77	36.30	36.29	0.01	0.01	36.29	3566.48
	12/05/06	3602.77	36.35	36.34	0.01	0.01	36.34	3566.43
	12/11/06	3602.77	36.39	36.38	0.01	0.01	36.38	3566.39
	12/18/06	3602.77	36.47	36.45	0.02	0.02	36.45	3566.32
	01/02/07	3602.77	36.65	36.63	0.02	0.02	36.63	3566.14
	01/08/07	3602.77	36.69	36.68	0.01	0.01	36.68	3566.09
	01/23/07	3602.77	36.73	36.70	0.03	0.02	36.71	3566.06
	02/05/07	3602.77	37.02	36.94	0.08	0.06	36.96	3565.81
	02/26/07	3602.77	37.27	37.11	0.16	0.13	37.14	3565.63
	03/05/07	3602.77	37.40	37.17	0.23	0.18	37.22	3565.55
	03/13/07	3602.77	37.51	37.24	0.27	0.22	37.29	3565.48
	03/19/07	3602.77	37.59	37.26	0.33	0.26	37.33	3565.44
	03/26/07	3602.77	37.42	37.40	0.02	0.02	37.40	3565.37
	04/02/07	3602.77	37.59	37.39	0.20	0.16	37.43	3565.34
	04/23/07	3602.77	37.79	37.31	0.48	0.38	37.41	3565.36
	05/01/07	3602.77	37.96	37.46	0.50	0.40	37.56	3565.21
	05/29/07	3602.77	38.11	37.36	0.75	0.60	37.51	3565.26
	06/04/07	3602.77	37.98	37.34	0.64	0.51	37.47	3565.30
	06/11/07	3602.77	37.73	37.37	0.36	0.29	37.44	3565.33
	06/18/07	3602.77	37.72	37.41	0.31	0.25	37.47	3565.30
	06/26/07	3602.77	37.82	37.32	0.50	0.40	37.42	3565.35
	07/09/07	3602.77	38.00	37.32	0.68	0.54	37.46	3565.31
	07/17/07	3602.77	37.69	37.37	0.32	0.26	37.43	3565.34
	07/23/07	3602.77	37.81	37.32	0.49	0.39	37.42	3565.35
	07/30/07	3602.77	37.73	37.37	0.36	0.29	37.44	3565.33
	08/07/07	3602.77	37.85	37.38	0.47	0.38	37.47	3565.30
	08/20/07	3602.77	38.01	37.46	0.55	0.44	37.57	3565.20
	08/27/07	3602.77	38.11	37.48	0.63	0.50	37.61	3565.16
	09/04/07	3602.77	37.91	37.68	0.23	0.18	37.73	3565.04
	09/10/07	3602.77	37.77	37.71	0.06	0.05	37.72	3565.05
	09/25/07	3602.77	37.55	37.29	0.26	0.21	37.34	3565.43
	10/02/07	3602.77	37.30	37.20	0.10	0.08	37.22	3565.55
	10/11/07	3602.77	37.14	37.06	0.08	0.06	37.08	3565.69
	10/22/07	3602.77	37.01	36.86	0.15	0.12	36.89	3565.88
	10/31/07	3602.77	37.02	36.94	0.08	0.06	36.96	3565.81
	11/12/07	3602.77	37.07	36.97	0.10	0.08	36.99	3565.78
	11/19/07	3602.77	37.16	37.01	0.15	0.12	37.04	3565.73
	12/05/07	3602.77	37.30	37.13	0.17	0.14	37.16	3565.61

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-3 cont.	12/10/07	3602.77	37.40	37.20	0.20	0.16	37.24	3565.53
	12/20/07	3602.77	37.61	37.30	0.31	0.25	37.36	3565.41
	01/02/08	3602.77	37.81	37.49	0.32	0.26	37.55	3565.22
	01/07/08	3602.77	37.77	37.50	0.27	0.22	37.55	3565.22
	01/28/08	3602.77	37.95	37.49	0.46	0.37	37.58	3565.19
	02/12/08	3602.77	38.22	37.76	0.46	0.37	37.85	3564.92
	02/26/08	3602.77	38.42	37.89	0.53	0.42	38.00	3564.77
	03/11/08	3602.77	38.76	37.94	0.82	0.66	38.10	3564.67
	03/17/08	3602.77	38.86	37.95	0.91	0.73	38.13	3564.64
MW-4	02/27/01	3601.70	36.13	32.41	3.72	2.98	33.15	3568.55
	06/25/01	3601.70	36.90	33.17	3.73	2.98	33.92	3567.78
	09/25/01	3601.70	37.38	33.63	3.75	3.00	34.38	3567.32
	12/11/01	3601.70	37.59	34.03	3.56	2.85	34.74	3566.96
	11/05/02	3601.70	38.51	34.82	3.69	2.95	35.56	3566.14
	04/21/03	3601.70	38.78	35.22	3.56	2.85	35.93	3565.77
	06/23/03	3601.70	38.73	35.34	3.39	2.71	36.02	3565.68
	11/05/03	3601.70	38.86	35.96	2.90	2.32	36.54	3565.16
	01/19/04	3601.70	38.99	36.32	2.67	2.14	36.85	3564.85
	04/19/04	3601.70	38.90	36.36	2.54	2.03	36.87	3564.83
	07/20/04	3601.70	37.59	36.14	1.45	1.16	36.43	3565.27
	10/25/04	3601.70	34.26	34.25	0.01	0.01	34.25	3567.45
	01/24/05	3601.70	32.25	32.24	0.01	0.01	32.24	3569.46
	04/18/05	3601.70	32.59	32.59	0.00	0.00	32.59	3569.11
	07/18/05	3601.70	33.64	33.28	0.36	0.29	33.35	3568.35
	08/18/05	3601.70	34.04	33.57	0.47	0.38	33.66	3568.04
	09/15/05	3601.70	33.98	33.51	0.47	0.38	33.60	3568.10
	09/29/05	3601.70	33.78	33.38	0.40	0.32	33.46	3568.24
	10/11/05	3601.70	33.67	33.25	0.42	0.34	33.33	3568.37
	10/17/05	3601.70	33.61	33.21	0.40	0.32	33.29	3568.41
	11/03/05	3601.70	33.45	33.24	0.21	0.17	33.28	3568.42
	11/16/05	3601.70	33.46	33.32	0.14	0.11	33.35	3568.35
	11/22/05	3601.70	33.43	33.31	0.12	0.10	33.33	3568.37
	11/29/05	3601.70	33.63	33.37	0.26	0.21	33.42	3568.28
	12/06/05	3601.70	33.64	33.38	0.26	0.21	33.43	3568.27
	12/12/05	3601.70	33.74	33.43	0.31	0.25	33.49	3568.21
	12/21/05	3601.70	33.88	33.50	0.38	0.30	33.58	3568.12
	12/28/05	3601.70	33.98	33.54	0.44	0.35	33.63	3568.07
	01/04/06	3601.70	34.17	33.62	0.55	0.44	33.73	3567.97
	01/10/06	3601.70	34.03	33.62	0.41	0.33	33.70	3568.00
	01/11/06	3601.70	34.03	33.61	0.42	0.34	33.69	3568.01
	01/16/06	3601.70	34.18	33.64	0.54	0.43	33.75	3567.95
	01/23/06	3601.70	33.96	33.69	0.27	0.22	33.74	3567.96
	02/01/06	3601.70	34.05	33.80	0.25	0.20	33.85	3567.85
	02/16/06	3601.70	34.14	33.91	0.23	0.18	33.96	3567.74
	03/06/06	3601.70	34.33	34.04	0.29	0.23	34.10	3567.60
	03/29/06	3601.70	34.51	34.23	0.28	0.22	34.29	3567.41
	04/04/06	3601.70	34.56	34.25	0.31	0.25	34.31	3567.39
	04/11/06	3601.70	34.64	34.31	0.33	0.26	34.38	3567.32
	04/17/06	3601.70	34.69	34.34	0.35	0.28	34.41	3567.29
	04/24/06	3601.70	34.73	34.33	0.40	0.32	34.41	3567.29
	05/03/06	3601.70	34.86	34.44	0.42	0.34	34.52	3567.18
	05/31/06	3601.70	35.18	34.63	0.55	0.44	34.74	3566.96
	06/09/06	3601.70	35.25	34.68	0.57	0.46	34.79	3566.91
	06/12/06	3601.70	35.24	34.72	0.52	0.42	34.82	3566.88
	06/26/06	3601.70	35.37	34.82	0.55	0.44	34.93	3566.77
	07/05/06	3601.70	35.41	34.88	0.53	0.42	34.99	3566.71
	07/10/06	3601.70	35.45	34.90	0.55	0.44	35.01	3566.69
	07/17/06	3601.70	35.53	34.94	0.59	0.47	35.06	3566.64
	07/24/06	3601.70	35.51	34.89	0.62	0.50	35.01	3566.69
	08/02/06	3601.70	35.58	35.02	0.56	0.45	35.13	3566.57
	08/14/06	3601.70	35.33	35.15	0.18	0.14	35.19	3566.51
	08/28/06	3601.70	35.19	35.18	0.01	0.01	35.18	3566.52
	09/14/06	3601.70	34.84	34.83	0.01	0.01	34.83	3566.87
	09/21/06	3601.70	34.72	34.71	0.01	0.01	34.71	3566.99
	09/25/06	3601.70	34.68	34.67	0.01	0.01	34.67	3567.03
	10/02/06	3601.70	34.59	34.58	0.01	0.01	34.58	3567.12
	10/10/06	3601.70	34.53	34.50	0.03	0.02	34.51	3567.19
	10/16/06	3601.70	34.48	34.44	0.04	0.03	34.45	3567.25

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-4 cont.	10/23/06	3601.70	34.43	34.30	0.13	0.10	34.33	3567.37
	10/30/06	3601.70	34.41	34.38	0.03	0.02	34.39	3567.31
	11/06/06	3601.70	34.39	34.36	0.03	0.02	34.37	3567.33
	11/21/06	3601.70	34.36	34.33	0.03	0.02	34.34	3567.36
	11/28/06	3601.70	34.37	34.33	0.04	0.03	34.34	3567.36
	12/05/06	3601.70	34.40	34.36	0.04	0.03	34.37	3567.33
	12/11/06	3601.70	34.44	34.40	0.04	0.03	34.41	3567.29
	12/18/06	3601.70	34.52	34.44	0.08	0.06	34.46	3567.24
	01/02/07	3601.70	34.65	34.55	0.10	0.08	34.57	3567.13
	01/08/07	3601.70	34.69	34.59	0.10	0.08	34.61	3567.09
	01/23/07	3601.70	34.70	34.55	0.15	0.12	34.58	3567.12
	02/05/07	3601.70	34.97	34.81	0.16	0.13	34.84	3566.86
	02/26/07	3601.70	35.32	34.95	0.37	0.30	35.02	3566.68
	03/05/07	3601.70	35.43	35.06	0.37	0.30	35.13	3566.57
	03/13/07	3601.70	35.50	35.05	0.45	0.36	35.14	3566.56
	03/19/07	3601.70	35.58	35.08	0.50	0.40	35.18	3566.52
	03/26/07	3601.70	35.57	35.14	0.43	0.34	35.23	3566.47
	04/02/07	3601.70	35.40	35.21	0.19	0.15	35.25	3566.45
	04/23/07	3601.70	35.19	35.17	0.02	0.02	35.17	3566.53
	05/01/07	3601.70	35.35	35.32	0.03	0.02	35.33	3566.37
	05/29/07	3601.70	35.46	35.33	0.13	0.10	35.36	3566.34
	06/04/07	3601.70	35.36	35.35	0.01	0.01	35.35	3566.35
	06/11/07	3601.70	35.37	35.34	0.03	0.02	35.35	3566.35
	06/18/07	3601.70	35.39	35.34	0.05	0.04	35.35	3566.35
	06/26/07	3601.70	35.31	35.23	0.08	0.06	35.25	3566.45
	07/09/07	3601.70	35.41	35.27	0.14	0.11	35.30	3566.40
	07/17/07	3601.70	35.41	35.28	0.13	0.10	35.31	3566.39
	07/23/07	3601.70	35.44	35.26	0.18	0.14	35.30	3566.40
	07/30/07	3601.70	35.45	35.27	0.18	0.14	35.31	3566.39
	08/07/07	3601.70	35.52	35.28	0.24	0.19	35.33	3566.37
	08/20/07	3601.70	35.60	35.35	0.25	0.20	35.40	3566.30
	08/27/07	3601.70	35.66	35.37	0.29	0.23	35.43	3566.27
	09/04/07	3601.70	35.70	35.41	0.29	0.23	35.47	3566.23
	09/10/07	3601.70	35.70	35.40	0.30	0.24	35.46	3566.24
	09/25/07	3601.70	35.56	35.28	0.28	0.22	35.34	3566.36
	10/02/07	3601.70	35.46	35.19	0.27	0.22	35.24	3566.46
	10/11/07	3601.70	35.46	35.10	0.36	0.29	35.17	3566.53
	10/22/07	3601.70	35.29	34.89	0.40	0.32	34.97	3566.73
	10/31/07	3601.70	35.31	34.99	0.32	0.26	35.05	3566.65
	11/12/07	3601.70	35.01		0.00	0.00	35.01	3566.69
	11/19/07	3601.70	35.04	35.02	0.02	0.02	35.02	3566.68
	12/05/07	3601.70	35.26	35.09	0.17	0.14	35.12	3566.58
	12/10/07	3601.70	35.33	35.12	0.21	0.17	35.16	3566.54
	12/20/07	3601.70	35.46	35.24	0.22	0.18	35.28	3566.42
	01/02/08	3601.70	35.56	35.38	0.18	0.14	35.42	3566.28
	01/07/08	3601.70	35.60	35.40	0.20	0.16	35.44	3566.26
	01/28/08	3601.70	35.60	35.34	0.26	0.21	35.39	3566.31
	02/12/08	3601.70	35.87	35.63	0.24	0.19	35.68	3566.02
	02/26/08	3601.70	35.96	35.71	0.25	0.20	35.76	3565.94
	03/11/08	3601.70	36.06	35.80	0.26	0.21	35.85	3565.85
	03/17/08	3601.70	36.08	35.85	0.23	0.18	35.90	3565.80
MW-5	02/27/01	3601.54	37.92	32.36	5.56	4.45	33.47	3568.07
	06/25/01	3601.54	38.21	32.95	5.26	4.21	34.00	3567.54
	09/25/01	3601.54	39.66	34.44	5.22	4.18	35.48	3566.06
	12/11/01	3601.54	38.94	33.84	5.10	4.08	34.86	3566.68
	11/05/02	3601.54	39.18	34.71	4.47	3.58	35.60	3565.94
	04/21/03	3601.54	39.98	35.34	4.64	3.71	36.27	3565.27
	06/23/03	3601.54	39.55	35.43	4.12	3.30	36.25	3565.29
	11/05/03	3601.54	39.35	35.88	3.47	2.78	36.57	3564.97
	01/19/04	3601.54	40.36	37.11	3.25	2.60	37.76	3563.78
	04/19/04	3601.54	40.37	37.20	3.17	2.54	37.83	3563.71
	07/20/04	3601.54	40.40	36.90	3.50	2.80	37.60	3563.94
	10/25/04	3601.54	34.99	34.96	0.03	0.02	34.97	3566.57
	01/24/05	3601.54	33.37	33.08	0.29	0.23	33.14	3568.40
	04/18/05	3601.54	33.71	33.53	0.18	0.14	33.57	3567.97
	07/18/05	3601.54	34.71	34.16	0.55	0.44	34.27	3567.27
	09/15/05	3601.54	35.25	34.75	0.50	0.40	34.85	3566.69
	10/17/05	3601.54	34.48	34.09	0.39	0.31	34.17	3567.37

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-5 cont.	11/16/05	3601.54	34.60	34.27	0.33	0.26	34.34	3567.20
	11/22/05	3601.54	34.59	34.22	0.37	0.30	34.29	3567.25
	12/06/05	3601.54	34.78	34.39	0.39	0.31	34.47	3567.07
	12/12/05	3601.54	34.92	34.44	0.48	0.38	34.54	3567.00
	12/21/05	3601.54	35.09	34.58	0.51	0.41	34.68	3566.86
	12/28/05	3601.54	34.92	34.88	0.04	0.03	34.89	3566.65
	01/04/06	3601.54	35.19	34.65	0.54	0.43	34.76	3566.78
	01/11/06	3601.54	34.89	34.70	0.19	0.15	34.74	3566.80
	01/16/06	3601.54	35.27	34.70	0.57	0.46	34.81	3566.73
	01/23/06	3601.54	34.84	34.78	0.06	0.05	34.79	3566.75
	02/01/06	3601.54	34.94	34.93	0.01	0.01	34.93	3566.61
	02/16/06	3601.54	35.71	34.93	0.78	0.62	35.09	3566.45
	03/06/06	3601.54	35.18	35.14	0.04	0.03	35.15	3566.39
	03/29/06	3601.54	35.37	35.33	0.04	0.03	35.34	3566.20
	04/04/06	3601.54	35.41	35.37	0.04	0.03	35.38	3566.16
	04/11/06	3601.54	35.51	35.40	0.11	0.09	35.42	3566.12
	04/17/06	3601.54	35.51	35.46	0.05	0.04	35.47	3566.07
	04/24/06	3601.54	36.23	35.33	0.90	0.72	35.51	3566.03
	05/03/06	3601.54	35.62	35.58	0.04	0.03	35.59	3565.95
	05/31/06	3601.54	35.80	35.76	0.04	0.03	35.77	3565.77
	06/09/06	3601.54	35.95	35.85	0.10	0.08	35.87	3565.67
	06/12/06	3601.54	35.96	35.89	0.07	0.06	35.90	3565.64
	06/26/06	3601.54	36.45	35.89	0.56	0.45	36.00	3565.54
	07/05/06	3601.54	36.73	35.91	0.82	0.66	36.07	3565.47
	07/10/06	3601.54	36.17	36.05	0.12	0.10	36.07	3565.47
	07/17/06	3601.54	36.15	36.07	0.08	0.06	36.09	3565.45
	07/24/06	3601.54	36.96	35.92	1.04	0.83	36.13	3565.41
	08/02/06	3601.54	36.34	36.17	0.17	0.14	36.20	3565.34
	08/14/06	3601.54	36.29	36.22	0.07	0.06	36.23	3565.31
	08/28/06	3601.54	36.41	36.22	0.19	0.15	36.26	3565.28
	09/14/06	3601.54	36.66	35.14	1.52	1.22	35.44	3566.10
	09/21/06	3601.54	35.96	35.67	0.29	0.23	35.73	3565.81
	09/25/06	3601.54	35.72	35.66	0.06	0.05	35.67	3565.87
	10/02/06	3601.54	35.86	35.56	0.30	0.24	35.62	3565.92
	10/10/06	3601.54	35.62	35.56	0.06	0.05	35.57	3565.97
	10/16/06	3601.54	35.66	35.45	0.21	0.17	35.49	3566.05
	10/23/06	3601.54	35.78	35.29	0.49	0.39	35.39	3566.15
	10/30/06	3601.54	35.43	35.42	0.01	0.01	35.42	3566.12
	11/06/06	3601.54	35.85	35.36	0.49	0.39	35.46	3566.08
	11/21/06	3601.54	35.35	35.34	0.01	0.01	35.34	3566.20
	11/28/06	3601.54	35.89	35.33	0.56	0.45	35.44	3566.10
	12/05/06	3601.54	35.41	35.40	0.01	0.01	35.40	3566.14
	12/11/06	3601.54	36.02	35.40	0.62	0.50	35.52	3566.02
	12/18/06	3601.54	35.53	35.52	0.01	0.01	35.52	3566.02
	01/02/07	3601.54	36.38	35.56	0.82	0.66	35.72	3565.82
	01/08/07	3601.54	35.68	35.66	0.02	0.02	35.66	3565.88
	01/23/07	3601.54	36.56	35.51	1.05	0.84	35.72	3565.82
	02/05/07	3601.54	37.06	35.76	1.30	1.04	36.02	3565.52
	02/26/07	3601.54	36.16	36.08	0.08	0.06	36.10	3565.44
	03/05/07	3601.54	37.32	35.92	1.40	1.12	36.20	3565.34
	03/13/07	3601.54	36.62	36.10	0.52	0.42	36.20	3565.34
	03/19/07	3601.54	36.27	36.20	0.07	0.06	36.21	3565.33
	03/26/07	3601.54	36.87	36.53	0.34	0.27	36.60	3564.94
	04/02/07	3601.54	36.99	36.60	0.39	0.31	36.68	3564.86
	04/23/07	3601.54	37.58	36.12	1.46	1.17	36.41	3565.13
	05/01/07	3601.54	37.17	36.33	0.84	0.67	36.50	3565.04
	05/29/07	3601.54	36.99	36.42	0.57	0.46	36.53	3565.01
	06/04/07	3601.54	36.82	36.31	0.51	0.41	36.41	3565.13
	06/11/07	3601.54	36.81	36.30	0.51	0.41	36.40	3565.14
	06/18/07	3601.54	37.70	36.16	1.54	1.23	36.47	3565.07
	06/26/07	3601.54	36.79	36.25	0.54	0.43	36.36	3565.18
	07/09/07	3601.54	36.50	36.31	0.19	0.15	36.35	3565.19
	07/17/07	3601.54	36.82	36.29	0.53	0.42	36.40	3565.14
	07/23/07	3601.54	37.68	36.11	1.57	1.26	36.42	3565.12
	07/30/07	3601.54	36.50	36.33	0.17	0.14	36.36	3565.18
	08/07/07	3601.54	36.62	36.33	0.29	0.23	36.39	3565.15
	08/20/07	3601.54	36.62	36.42	0.20	0.16	36.46	3565.08
	08/27/07	3601.54	38.00	36.23	1.77	1.42	36.58	3564.96
	09/04/07	3601.54	36.66	36.47	0.19	0.15	36.51	3565.03

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-5 cont.	09/10/07	3601.54	36.64	36.47	0.17	0.14	36.50	3565.04
	09/25/07	3601.54	37.71	36.11	1.60	1.28	36.43	3565.11
	10/02/07	3601.54	36.36	36.26	0.10	0.08	36.28	3565.26
	10/11/07	3601.54	37.46	35.96	1.50	1.20	36.26	3565.28
	10/22/07	3601.54	37.20	35.77	1.43	1.14	36.06	3565.48
	10/31/07	3601.54	36.12	36.04	0.08	0.06	36.06	3565.48
	11/12/07	3601.54	37.28	35.88	1.40	1.12	36.16	3565.38
	11/19/07	3601.54	36.14	36.07	0.07	0.06	36.08	3565.46
	12/05/07	3601.54	37.68	35.94	1.74	1.39	36.29	3565.25
	12/10/07	3601.54	36.31	36.21	0.10	0.08	36.23	3565.31
	12/20/07	3601.54	37.91	36.06	1.85	1.48	36.43	3565.11
	01/07/08	3601.54	36.61	36.47	0.14	0.11	36.50	3565.04
	01/28/08	3601.54	38.50	36.10	2.40	1.92	36.58	3564.96
	02/12/08	3601.54	38.92	36.40	2.52	2.02	36.90	3564.64
	02/26/08	3601.54	36.97	36.81	0.16	0.13	36.84	3564.70
	03/11/08	3601.54	39.12	36.59	2.53	2.02	37.10	3564.44
	03/17/08	3601.54	39.13	36.92	2.21	1.77	37.36	3564.18
MW-6	02/27/01	3599.83	35.80	31.31	4.49	3.59	32.21	3567.62
	06/25/01	3599.83	33.12	33.02	0.10	0.08	33.04	3566.79
	09/25/01	3599.83	37.11	32.83	4.28	3.42	33.69	3566.14
	12/11/01	3599.83	37.34	33.18	4.16	3.33	34.01	3565.82
	11/05/02	3599.83	38.22	34.00	4.22	3.38	34.84	3564.99
	04/21/03	3599.83	38.23	34.30	3.93	3.14	35.09	3564.74
	11/05/03	3599.83	39.15	35.06	4.09	3.27	35.88	3563.95
	01/19/04	3599.83	39.48	35.36	4.12	3.30	36.18	3563.65
	04/19/04	3599.83	39.15	35.40	3.75	3.00	36.15	3563.68
	07/20/04	3599.83	38.24	35.16	3.08	2.46	35.78	3564.05
	10/25/04	3599.83	34.38	33.22	1.16	0.93	33.45	3566.38
	12/08/04	3599.83	33.33	32.08	1.25	1.00	32.33	3567.50
	01/24/05	3599.83	32.53	31.39	1.14	0.91	31.62	3568.21
	02/14/05	3599.83	32.61	31.56	1.05	0.84	31.77	3568.06
	04/18/05	3599.83	32.98	31.78	1.20	0.96	32.02	3567.81
	07/18/05	3599.83	34.04	32.49	1.55	1.24	32.80	3567.03
	08/18/05	3599.83	34.47	32.79	1.68	1.34	33.13	3566.70
	09/29/05	3599.83	33.66	32.69	0.97	0.78	32.88	3566.95
	10/17/05	3599.83	33.38	32.57	0.81	0.65	32.73	3567.10
	11/03/05	3599.83	33.53	32.55	0.98	0.78	32.75	3567.08
	12/12/05	3599.83	33.62	32.78	0.84	0.67	32.95	3566.88
	12/28/05	3599.83	33.93	32.88	1.05	0.84	33.09	3566.74
	01/04/06	3599.83	34.05	32.92	1.13	0.90	33.15	3566.68
	01/10/06	3599.83	33.17	33.06	0.11	0.09	33.08	3566.75
	01/11/06	3599.83	33.51	32.99	0.52	0.42	33.09	3566.74
	01/16/06	3599.83	33.23	33.12	0.11	0.09	33.14	3566.69
	01/23/06	3599.83	33.20	33.09	0.11	0.09	33.11	3566.72
	02/01/06	3599.83	33.29	33.21	0.08	0.06	33.23	3566.60
	02/16/06	3599.83	33.43	33.32	0.11	0.09	33.34	3566.49
	03/06/06	3599.83	33.65	33.35	0.30	0.24	33.41	3566.42
	03/29/06	3599.83	33.77	33.62	0.15	0.12	33.65	3566.18
	04/04/06	3599.83	33.84	33.67	0.17	0.14	33.70	3566.13
	04/11/06	3599.83	33.99	33.70	0.29	0.23	33.76	3566.07
	04/17/06	3599.83	33.86	33.75	0.11	0.09	33.77	3566.06
	04/24/06	3599.83	34.13	33.70	0.43	0.34	33.79	3566.04
	05/03/06	3599.83	34.18	33.82	0.36	0.29	33.89	3565.94
	05/31/06	3599.83	34.47	34.01	0.46	0.37	34.10	3565.73
	06/09/06	3599.83	34.45	34.08	0.37	0.30	34.15	3565.68
	06/12/06	3599.83	34.55	34.10	0.45	0.36	34.19	3565.64
	06/26/06	3599.83	34.87	34.17	0.70	0.56	34.31	3565.52
	07/05/06	3599.83	35.01	34.21	0.80	0.64	34.37	3565.46
	07/10/06	3599.83	35.01	34.25	0.76	0.61	34.40	3565.43
	07/17/06	3599.83	35.12	34.28	0.84	0.67	34.45	3565.38
	07/24/06	3599.83	35.07	34.21	0.86	0.69	34.38	3565.45
	08/02/06	3599.83	35.01	34.37	0.64	0.51	34.50	3565.33
	08/14/06	3599.83	35.06	34.45	0.61	0.49	34.57	3565.26
	08/28/06	3599.83	35.11	34.46	0.65	0.52	34.59	3565.24
	09/14/06	3599.83	34.41	34.15	0.26	0.21	34.20	3565.63
	09/21/06	3599.83	34.32	34.05	0.27	0.22	34.10	3565.73
	09/25/06	3599.83	34.23	34.04	0.19	0.15	34.08	3565.75
	10/02/06	3599.83	34.21	33.91	0.30	0.24	33.97	3565.86

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-6 cont.	10/10/06	3599.83	34.15	33.84	0.31	0.25	33.90	3565.93
	10/16/06	3599.83	34.00	33.81	0.19	0.15	33.85	3565.98
	10/23/06	3599.83	33.96	33.65	0.31	0.25	33.71	3566.12
	10/30/06	3599.83	33.87	33.79	0.08	0.06	33.81	3566.02
	11/06/06	3599.83	33.87	33.76	0.11	0.09	33.78	3566.05
	11/21/06	3599.83	33.82	33.74	0.08	0.06	33.76	3566.07
	11/28/06	3599.83	33.84	33.72	0.12	0.10	33.74	3566.09
	12/05/06	3599.83	33.94	33.76	0.18	0.14	33.80	3566.03
	12/11/06	3599.83	33.81	33.76	0.05	0.04	33.77	3566.06
	12/18/06	3599.83	33.94	33.86	0.08	0.06	33.88	3565.95
	01/02/07	3599.83	34.10	33.97	0.13	0.10	34.00	3565.83
	01/08/07	3599.83	34.13	34.01	0.12	0.10	34.03	3565.80
	01/23/07	3599.83	34.41	33.90	0.51	0.41	34.00	3565.83
	02/05/07	3599.83	34.47	34.23	0.24	0.19	34.28	3565.55
	02/26/07	3599.83	34.78	34.33	0.45	0.36	34.42	3565.41
	03/05/07	3599.83	35.09	34.35	0.74	0.59	34.50	3565.33
	03/13/07	3599.83	35.31	34.38	0.93	0.74	34.57	3565.26
	03/19/07	3599.83	35.35	34.42	0.93	0.74	34.61	3565.22
	03/26/07	3599.83	35.43	34.45	0.98	0.78	34.65	3565.18
	04/02/07	3599.83	35.20	34.55	0.65	0.52	34.68	3565.15
	04/23/07	3599.83	35.34	34.44	0.90	0.72	34.62	3565.21
	05/01/07	3599.83	35.54	34.60	0.94	0.75	34.79	3565.04
	05/29/07	3599.83	35.57	34.64	0.93	0.74	34.83	3565.00
	06/04/07	3599.83	34.90	34.74	0.16	0.13	34.77	3565.06
	06/11/07	3599.83	34.87	34.73	0.14	0.11	34.76	3565.07
	06/18/07	3599.83	34.78	34.78	0.00	0.00	34.78	3565.05
	06/26/07	3599.83	34.78	34.65	0.13	0.10	34.68	3565.15
	07/09/07	3599.83	34.93	34.65	0.28	0.22	34.71	3565.12
	07/17/07	3599.83	34.99	34.66	0.33	0.26	34.73	3565.10
	07/23/07	3599.83	35.04	34.63	0.41	0.33	34.71	3565.12
	07/30/07	3599.83	34.73	34.73	0.00	0.00	34.73	3565.10
	08/07/07	3599.83	34.73	34.73	0.00	0.00	34.73	3565.10
	08/20/07	3599.83	34.94	34.76	0.18	0.14	34.80	3565.03
	08/27/07	3599.83	35.06	34.78	0.28	0.22	34.84	3564.99
	09/04/07	3599.83	35.16	34.80	0.36	0.29	34.87	3564.96
	09/10/07	3599.83	35.01	34.83	0.18	0.14	34.87	3564.96
	09/25/07	3599.83	35.13	34.67	0.46	0.37	34.76	3565.07
	10/02/07	3599.83	34.67		0.00	0.00	34.67	3565.16
	10/11/07	3599.83	35.29	34.45	0.84	0.67	34.62	3565.21
	10/22/07	3599.83	35.24	34.23	1.01	0.81	34.43	3565.40
	10/31/07	3599.83	34.51	34.46	0.05	0.04	34.47	3565.36
	11/12/07	3599.83	35.41	34.28	1.13	0.90	34.51	3565.32
	11/19/07	3599.83	34.55	34.47	0.08	0.06	34.49	3565.34
	12/05/07	3599.83	35.77	34.34	1.43	1.14	34.63	3565.20
	12/10/07	3599.83	34.66	34.65	0.01	0.01	34.65	3565.18
	12/20/07	3599.83	35.84	34.50	1.34	1.07	34.77	3565.06
	01/02/08	3599.83	35.73	34.68	1.05	0.84	34.89	3564.94
	01/07/08	3599.83	35.59	34.74	0.85	0.68	34.91	3564.92
	01/28/08	3599.83	35.69	34.63	1.06	0.85	34.84	3564.99
	02/12/08	3599.83	35.35	35.04	0.31	0.25	35.10	3564.73
	02/26/08	3599.83	35.31	35.16	0.15	0.12	35.19	3564.64
	03/11/08	3599.83	36.32	35.08	1.24	0.99	35.33	3564.50
	03/17/08	3599.83	33.31	33.27	0.04	0.03	33.28	3566.55
MW-7 (SVE-6)	02/27/01	3602.11	39.35	33.60	5.75	4.60	34.75	3567.36
	06/25/01	3602.11	40.34	34.69	5.65	4.52	35.82	3566.29
	09/25/01	3602.11	40.83	35.14	5.69	4.55	36.28	3565.83
	12/11/01	3602.11	41.23	35.49	5.74	4.59	36.64	3565.47
	11/05/02	3602.11	42.25	36.67	5.58	4.46	37.79	3564.32
	04/21/03	3602.11	42.41	36.98	5.43	4.34	38.07	3564.04
	06/23/03	3602.11	42.02	37.21	4.81	3.85	38.17	3563.94
	11/05/03	3602.11	41.49	38.10	3.39	2.71	38.78	3563.33
	01/19/04	3602.11	39.63	38.79	0.84	0.67	38.96	3563.15
	04/19/04	3602.11	39.78	38.69	1.09	0.87	38.91	3563.20
	07/20/04	3602.11	41.40	37.98	3.42	2.74	38.66	3563.45
	10/25/04	3602.11	36.77	35.81	0.96	0.77	36.00	3566.11
	01/24/05	3602.11	34.75	34.03	0.72	0.58	34.17	3567.94
	04/18/05	3602.11	35.86	34.50	1.36	1.09	34.77	3567.34
	07/18/05	3602.11	37.59	35.27	2.32	1.86	35.73	3566.38

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 (SVE-6) cont.	08/19/05	3602.11	38.09	35.55	2.54	2.03	36.06	3566.05
	09/15/05	3602.11	36.40	35.71	0.69	0.55	35.85	3566.26
	09/29/05	3602.11	35.92	35.64	0.28	0.22	35.70	3566.41
	10/11/05	3602.11	36.64	35.34	1.30	1.04	35.60	3566.51
	10/17/05	3602.11	35.87	35.47	0.40	0.32	35.55	3566.56
	10/20/05	3602.11	36.22	35.29	0.93	0.74	35.48	3566.63
	11/03/05	3602.11	36.62	35.25	1.37	1.10	35.52	3566.59
	11/16/05	3602.11	36.20	35.49	0.71	0.57	35.63	3566.48
	12/06/05	3602.11	36.77	35.51	1.26	1.01	35.76	3566.35
	12/21/05	3602.11	36.97	35.62	1.35	1.08	35.89	3566.22
	12/28/05	3602.11	36.28	35.87	0.41	0.33	35.95	3566.16
	01/04/06	3602.11	36.10	35.77	0.33	0.26	35.84	3566.27
	01/11/06	3602.11	36.64	35.84	0.80	0.64	36.00	3566.11
	01/16/06	3602.11	36.12	36.02	0.10	0.08	36.04	3566.07
	01/23/06	3602.11	36.70	35.91	0.79	0.63	36.07	3566.04
	02/01/06	3602.11	36.43	36.10	0.33	0.26	36.17	3565.94
	02/16/06	3602.11	36.53	36.22	0.31	0.25	36.28	3565.83
	03/06/06	3602.11	36.54	36.40	0.14	0.11	36.43	3565.68
	03/29/06	3602.11	36.84	36.55	0.29	0.23	36.61	3565.50
	04/04/06	3602.11	36.70	36.62	0.08	0.06	36.64	3565.47
	04/11/06	3602.11	36.82	36.65	0.17	0.14	36.68	3565.43
	04/17/06	3602.11	37.47	36.58	0.89	0.71	36.76	3565.35
	04/24/06	3602.11	37.86	36.52	1.34	1.07	36.79	3565.32
	05/03/06	3602.11	37.00	36.83	0.17	0.14	36.86	3565.25
	05/31/06	3602.11	37.90	36.89	1.01	0.81	37.09	3565.02
	06/09/06	3602.11	37.98	36.94	1.04	0.83	37.15	3564.96
	06/12/06	3602.11	37.43	37.14	0.29	0.23	37.20	3564.91
	06/26/06	3602.11	37.79	37.12	0.67	0.54	37.25	3564.86
	07/05/06	3602.11	38.10	37.13	0.97	0.78	37.32	3564.79
	07/10/06	3602.11	37.57	37.27	0.30	0.24	37.33	3564.78
	07/17/06	3602.11	37.91	37.31	0.60	0.48	37.43	3564.68
	07/24/06	3602.11	38.58	37.06	1.52	1.22	37.36	3564.75
	08/02/06	3602.11	38.92	37.15	1.77	1.42	37.50	3564.61
	08/14/06	3602.11	38.84	37.24	1.60	1.28	37.56	3564.55
	08/28/06	3602.11	39.27	37.18	2.09	1.67	37.60	3564.51
	09/14/06	3602.11	38.76	36.71	2.05	1.64	37.12	3564.99
	09/21/06	3602.11	38.43	36.65	1.78	1.42	37.01	3565.10
	09/25/06	3602.11	37.43	36.86	0.57	0.46	36.97	3565.14
	10/02/06	3602.11	37.82	36.55	1.27	1.02	36.80	3565.31
	10/10/06	3602.11	37.56	36.54	1.02	0.82	36.74	3565.37
	10/16/06	3602.11	37.56	36.54	1.02	0.82	36.74	3565.37
	10/23/06	3602.11	37.63	36.31	1.32	1.06	36.57	3565.54
	10/30/06	3602.11	37.11	36.60	0.51	0.41	36.70	3565.41
	11/06/06	3602.11	36.91	36.62	0.29	0.23	36.68	3565.43
	11/21/06	3602.11	37.00	36.61	0.39	0.31	36.69	3565.42
	11/28/06	3602.11	37.32	36.37	0.95	0.76	36.56	3565.55
	12/05/06	3602.11	37.46	36.44	1.02	0.82	36.64	3565.47
	12/11/06	3602.11	36.96	36.72	0.24	0.19	36.77	3565.34
	12/18/06	3602.11	37.10	36.80	0.30	0.24	36.86	3565.25
	01/02/07	3602.11	37.38	36.90	0.48	0.38	37.00	3565.11
	01/08/07	3602.11	37.20	37.00	0.20	0.16	37.04	3565.07
	01/23/07	3602.11	38.29	36.62	1.67	1.34	36.95	3565.16
	02/05/07	3602.11	37.42	37.23	0.19	0.15	37.27	3564.84
	02/26/07	3602.11	39.06	36.97	2.09	1.67	37.39	3564.72
	03/05/07	3602.11	39.02	37.10	1.92	1.54	37.48	3564.63
	03/13/07	3602.11	39.61	37.02	2.59	2.07	37.54	3564.57
	03/19/07	3602.11	37.68	37.64	0.04	0.03	37.65	3564.46
	03/26/07	3602.11	39.72	37.12	2.60	2.08	37.64	3564.47
	04/02/07	3602.11	39.94	37.14	2.80	2.24	37.70	3564.41
	04/23/07	3602.11	40.09	37.05	3.04	2.43	37.66	3564.45
	05/01/07	3602.11	40.37	37.17	3.20	2.56	37.81	3564.30
	05/29/07	3602.11	40.55	37.14	3.41	2.73	37.82	3564.29
	06/04/07	3602.11	40.57	37.12	3.45	2.76	37.81	3564.30
	06/11/07	3602.11	40.03	37.17	2.86	2.29	37.74	3564.37
	06/18/07	3602.11	38.18	37.61	0.57	0.46	37.72	3564.39
	06/26/07	3602.11	39.37	37.20	2.17	1.74	37.63	3564.48
	07/09/07	3602.11	38.56	37.56	1.00	0.80	37.76	3564.35
	07/17/07	3602.11	39.22	37.27	1.95	1.56	37.66	3564.45
	07/23/07	3602.11	40.24	37.09	3.15	2.52	37.72	3564.39

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 (SVE-6) cont.	07/30/07	3602.11	38.00	37.50	0.50	0.40	37.60	3564.51
	08/07/07	3602.11	38.57	37.42	1.15	0.92	37.65	3564.46
	08/20/07	3602.11	39.41	37.36	2.05	1.64	37.77	3564.34
	08/27/07	3602.11	40.27	37.26	3.01	2.41	37.86	3564.25
	09/04/07	3602.11	38.06	37.74	0.32	0.26	37.80	3564.31
	09/10/07	3602.11	38.06	37.75	0.31	0.25	37.81	3564.30
	09/25/07	3602.11	39.95	37.12	2.83	2.26	37.69	3564.42
	10/02/07	3602.11	37.67	37.47	0.20	0.16	37.51	3564.60
	10/11/07	3602.11	39.46	36.98	2.48	1.98	37.48	3564.63
	10/22/07	3602.11	39.20	36.80	2.40	1.92	37.28	3564.83
	10/31/07	3602.11	37.46	37.35	0.11	0.09	37.37	3564.74
	11/12/07	3602.11	39.24	36.89	2.35	1.88	37.36	3564.75
	11/19/07	3602.11	37.53	37.49	0.04	0.03	37.50	3564.61
	12/05/07	3602.11	39.64	36.98	2.66	2.13	37.51	3564.60
	12/10/07	3602.11	37.55	37.45	0.10	0.08	37.47	3564.64
	12/20/07	3602.11	39.86	37.11	2.75	2.20	37.66	3564.45
	01/02/08	3602.11	39.81	37.31	2.50	2.00	37.81	3564.30
	01/07/08	3602.11	39.30	37.67	1.63	1.30	38.00	3564.11
	01/28/08	3602.11	40.51	37.19	3.32	2.66	37.85	3564.26
	02/12/08	3602.11	39.83	37.69	2.14	1.71	38.12	3563.99
	02/26/08	3602.11	38.95	38.08	0.87	0.70	38.25	3563.86
	03/11/08	3602.11	39.58	37.91	1.67	1.34	38.24	3563.87
	03/17/08	3602.11	39.11	38.17	0.94	0.75	38.36	3563.75
MW-8 (SVE-4)	02/27/01	3598.87	34.36	31.17	3.19	2.55	31.81	3567.06
	06/25/01	3598.87	35.59	31.93	3.66	2.93	32.66	3566.21
	09/25/01	3598.87	36.18	32.33	3.85	3.08	33.10	3565.77
	12/11/01	3598.87	36.71	32.63	4.08	3.26	33.45	3565.42
	11/05/02	3598.87	38.34	33.86	4.48	3.58	34.76	3564.11
	04/21/03	3598.87	38.64	34.22	4.42	3.54	35.10	3563.77
	06/23/03	3598.87	37.21	34.31	2.90	2.32	34.89	3563.98
	11/05/03	3598.87	39.85	34.43	5.42	4.34	35.51	3563.36
	01/19/04	3598.87	40.16	35.13	5.03	4.02	36.14	3562.73
	04/19/04	3598.87	39.41	35.20	4.21	3.37	36.04	3562.83
	07/20/04	3598.87	38.65	34.96	3.69	2.95	35.70	3563.17
	10/25/04	3598.87	35.70	32.93	2.77	2.22	33.48	3565.39
	01/24/05	3598.87	33.20	31.29	1.91	1.53	31.67	3567.20
	04/18/05	3598.87	33.44	31.67	1.77	1.42	32.02	3566.85
	07/18/05	3598.87	33.28	32.42	0.86	0.69	32.59	3566.28
	08/19/05	3598.87	34.64	32.68	1.96	1.57	33.07	3565.80
	09/15/05	3598.87	32.88		0.00	0.00	32.88	3565.99
	09/29/05	3598.87	34.59	32.61	1.98	1.58	33.01	3565.86
	10/11/05	3598.87	32.93	32.68	0.25	0.20	32.73	3566.14
	10/17/05	3598.87	33.49	32.56	0.93	0.74	32.75	3566.12
	11/03/05	3598.87	33.71	32.50	1.21	0.97	32.74	3566.13
	11/16/05	3598.87	33.65	32.62	1.03	0.82	32.83	3566.04
	11/29/05	3598.87	33.77	32.63	1.14	0.91	32.86	3566.01
	12/12/05	3598.87	33.83	32.69	1.14	0.91	32.92	3565.95
	12/28/05	3598.87	33.92	32.80	1.12	0.90	33.02	3565.85
	01/04/06	3598.87	34.11	32.84	1.27	1.02	33.09	3565.78
	01/11/06	3598.87	33.83	32.88	0.95	0.76	33.07	3565.80
	01/16/06	3598.87	33.31	33.05	0.26	0.21	33.10	3565.77
	01/23/06	3598.87	33.44	33.04	0.40	0.32	33.12	3565.75
	02/01/06	3598.87	33.55	33.11	0.44	0.35	33.20	3565.67
	02/16/06	3598.87	33.52	33.24	0.28	0.22	33.30	3565.57
	03/06/06	3598.87	33.65	33.37	0.28	0.22	33.43	3565.44
	03/29/06	3598.87	33.75	33.56	0.19	0.15	33.60	3565.27
	04/04/06	3598.87	33.71	33.61	0.10	0.08	33.63	3565.24
	04/11/06	3598.87	33.81	33.67	0.14	0.11	33.70	3565.17
	04/17/06	3598.87	33.74	33.71	0.03	0.02	33.72	3565.15
	04/24/06	3598.87	34.11	33.64	0.47	0.38	33.73	3565.14
	05/03/06	3598.87	33.98	33.79	0.19	0.15	33.83	3565.04
	05/31/06	3598.87	34.07	34.00	0.07	0.06	34.01	3564.86
	06/09/06	3598.87	34.14	34.06	0.08	0.06	34.08	3564.79
	06/12/06	3598.87	34.13	34.10	0.03	0.02	34.11	3564.76
	06/26/06	3598.87	34.26	34.17	0.09	0.07	34.19	3564.68
	07/05/06	3598.87	34.34	34.23	0.11	0.09	34.25	3564.62
	07/10/06	3598.87	34.36	34.26	0.10	0.08	34.28	3564.59
	07/17/06	3598.87	34.41	34.30	0.11	0.09	34.32	3564.55

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8 (SVE-4) cont.	07/24/06	3598.87	34.39	34.25	0.14	0.11	34.28	3564.59
	08/02/06	3598.87	34.49	34.39	0.10	0.08	34.41	3564.46
	08/14/06	3598.87	34.54	34.45	0.09	0.07	34.47	3564.40
	08/28/06	3598.87	34.67	34.46	0.21	0.17	34.50	3564.37
	09/14/06	3598.87	34.71	34.05	0.66	0.53	34.18	3564.69
	09/21/06	3598.87	34.61	33.95	0.66	0.53	34.08	3564.79
	09/25/06	3598.87	34.58	33.91	0.67	0.54	34.04	3564.83
	10/02/06	3598.87	34.56	33.80	0.76	0.61	33.95	3564.92
	10/10/06	3598.87	34.57	33.71	0.86	0.69	33.88	3564.99
	10/16/06	3598.87	33.98	33.76	0.22	0.18	33.80	3565.07
	10/23/06	3598.87	33.95	33.61	0.34	0.27	33.68	3565.19
	10/30/06	3598.87	33.79	33.76	0.03	0.02	33.77	3565.10
	11/06/06	3598.87	33.77	33.76	0.01	0.01	33.76	3565.11
	11/21/06	3598.87	34.13	33.65	0.48	0.38	33.75	3565.12
	11/28/06	3598.87	34.05	33.67	0.38	0.30	33.75	3565.12
	12/05/06	3598.87	34.12	33.67	0.45	0.36	33.76	3565.11
	12/11/06	3598.87	33.82	33.81	0.01	0.01	33.81	3565.06
	12/18/06	3598.87	34.38	33.74	0.64	0.51	33.87	3565.00
	01/02/07	3598.87	34.26	33.97	0.29	0.23	34.03	3564.84
	01/08/07	3598.87	34.06	34.05	0.01	0.01	34.05	3564.82
	01/23/07	3598.87	34.33	33.90	0.43	0.34	33.99	3564.88
	02/05/07	3598.87	34.72	34.12	0.60	0.48	34.24	3564.63
	02/26/07	3598.87	34.52	34.34	0.18	0.14	34.38	3564.49
	03/05/07	3598.87	34.56	34.43	0.13	0.10	34.46	3564.41
	03/13/07	3598.87	34.64	34.42	0.22	0.18	34.46	3564.41
	03/19/07	3598.87	34.70	34.52	0.18	0.14	34.56	3564.31
	03/26/07	3598.87	34.64	34.55	0.09	0.07	34.57	3564.30
	04/02/07	3598.87	35.02	34.62	0.40	0.32	34.70	3564.17
	04/23/07	3598.87	34.75	34.50	0.25	0.20	34.55	3564.32
	05/01/07	3598.87	34.87	34.65	0.22	0.18	34.69	3564.18
	05/29/07	3598.87	35.14	34.68	0.46	0.37	34.77	3564.10
	06/04/07	3598.87	35.02	34.69	0.33	0.26	34.76	3564.11
	06/11/07	3598.87	35.08	34.62	0.46	0.37	34.71	3564.16
	06/18/07	3598.87	35.15	34.73	0.42	0.34	34.81	3564.06
	06/26/07	3598.87	35.10	34.57	0.53	0.42	34.68	3564.19
	07/09/07	3598.87	35.28	34.81	0.47	0.38	34.90	3563.97
	07/17/07	3598.87	35.33	34.60	0.73	0.58	34.75	3564.12
	07/23/07	3598.87	35.41	34.56	0.85	0.68	34.73	3564.14
	07/30/07	3598.87	35.33	34.64	0.69	0.55	34.78	3564.09
	08/07/07	3598.87	35.48	34.60	0.88	0.70	34.78	3564.09
	08/20/07	3598.87	35.56	34.67	0.89	0.71	34.85	3564.02
	08/27/07	3598.87	35.67	34.68	0.99	0.79	34.88	3563.99
	09/04/07	3598.87	35.73	34.84	0.89	0.71	35.02	3563.85
	09/10/07	3598.87	35.64	34.97	0.67	0.54	35.10	3563.77
	09/25/07	3598.87	35.40	34.64	0.76	0.61	34.79	3564.08
	10/02/07	3598.87	35.46	34.61	0.85	0.68	34.78	3564.09
	10/11/07	3598.87	35.33	34.48	0.85	0.68	34.65	3564.22
	10/22/07	3598.87	35.34	34.26	1.08	0.86	34.48	3564.39
	10/31/07	3598.87	35.42	34.46	0.96	0.77	34.65	3564.22
	11/12/07	3598.87	34.92	34.38	0.54	0.43	34.49	3564.38
	11/19/07	3598.87	35.15	34.49	0.66	0.53	34.62	3564.25
	12/05/07	3598.87	35.24	34.59	0.65	0.52	34.72	3564.15
	12/10/07	3598.87	35.39	34.68	0.71	0.57	34.82	3564.05
	12/20/07	3598.87	35.00	34.71	0.29	0.23	34.77	3564.10
	01/02/08	3598.87	35.21	34.76	0.45	0.36	34.85	3564.02
	01/07/08	3598.87	35.44	34.79	0.65	0.52	34.92	3563.95
	01/28/08	3598.87	35.49	34.65	0.84	0.67	34.82	3564.05
	02/12/08	3598.87	35.91	34.95	0.96	0.77	35.14	3563.73
	02/26/08	3598.87	35.61	35.13	0.48	0.38	35.23	3563.64
	03/11/08	3598.87	35.31	35.20	0.11	0.09	35.22	3563.65
	03/17/08	3598.87	35.42	35.23	0.19	0.15	35.27	3563.60
MW-9 (NIW-4)	02/27/01	3601.05	34.80		0.00	0.00	34.80	3566.25
	06/25/01	3601.05	35.78	35.11	0.67	0.54	35.24	3565.81
	09/25/01	3601.05	37.54	35.19	2.35	1.88	35.66	3565.39
	06/23/03	3601.05	38.80	34.55	4.25	3.40	35.40	3565.65

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10 (NIW-5)	02/27/01	3602.96	36.27		0.00	0.00	36.27	3566.69
	06/25/01	3602.96	36.69		0.00	0.00	36.69	3566.27
	09/25/01	3602.96	37.13		0.00	0.00	37.13	3565.83
	12/11/01	3602.96	37.49		0.00	0.00	37.49	3565.47
	05/20/02	3602.96	37.87		0.00	0.00	37.87	3565.09
MW-11	02/27/01	3600.67	32.13		0.00	0.00	32.13	3568.54
	06/25/01	3600.67	32.56		0.00	0.00	32.56	3568.11
	09/25/01	3600.67	32.99		0.00	0.00	32.99	3567.68
	12/11/01	3600.67	33.33		0.00	0.00	33.33	3567.34
	05/20/02	3600.67	33.83		0.00	0.00	33.83	3566.84
MW-12 (NIW-2)	02/27/01	3599.35	31.82		0.00	0.00	31.82	3567.53
	06/25/01	3599.35	32.23		0.00	0.00	32.23	3567.12
	09/25/01	3599.35	32.63		0.00	0.00	32.63	3566.72
	12/11/01	3599.35	32.94		0.00	0.00	32.94	3566.41
	05/20/02	3599.35	33.46		0.00	0.00	33.46	3565.89
MW-13	02/27/01	3601.67	36.44		0.00	0.00	36.44	3565.23
	06/25/01	3601.67	36.83		0.00	0.00	36.83	3564.84
	09/25/01	3601.67	37.23		0.00	0.00	37.23	3564.44
	12/11/01	3601.67	37.57		0.00	0.00	37.57	3564.10
	05/20/02	3601.67	38.04		0.00	0.00	38.04	3563.63
	08/28/02	3601.67	38.30		0.00	0.00	38.30	3563.37
	08/29/02	3601.67	38.30		0.00	0.00	38.30	3563.37
	11/07/02	3601.67	38.49		0.00	0.00	38.49	3563.18
	11/22/02	3601.67	38.45		0.00	0.00	38.45	3563.22
	11/29/02	3601.67	38.44		0.00	0.00	38.44	3563.23
	12/17/02	3601.67	38.37		0.00	0.00	38.37	3563.30
	12/18/02	3601.67	38.40		0.00	0.00	38.40	3563.27
	01/14/03	3601.67	38.39		0.00	0.00	38.39	3563.28
	02/24/03	3601.67	38.54		0.00	0.00	38.54	3563.13
	02/25/03	3601.67	38.52		0.00	0.00	38.52	3563.15
	03/04/03	3601.67	38.55		0.00	0.00	38.55	3563.12
	03/14/03	3601.67	38.57		0.00	0.00	38.57	3563.10
	04/07/03	3601.67	38.63		0.00	0.00	38.63	3563.04
	04/11/03	3601.67	38.63		0.00	0.00	38.63	3563.04
	04/23/03	3601.67	38.65		0.00	0.00	38.65	3563.02
	07/14/03	3601.67	38.95		0.00	0.00	38.95	3562.72
	10/15/03	3601.67	39.35		0.00	0.00	39.35	3562.32
	01/19/04	3601.67	39.37		0.00	0.00	39.37	3562.30
	04/19/04	3601.67	39.75		0.00	0.00	39.75	3561.92
	07/20/04	3601.67	39.51		0.00	0.00	39.51	3562.16
	10/25/04	3601.67	37.97		0.00	0.00	37.97	3563.70
	01/24/05	3601.67	36.03		0.00	0.00	36.03	3565.64
	04/18/05	3601.67	36.17		0.00	0.00	36.17	3565.50
	07/18/05	3601.67	36.86		0.00	0.00	36.86	3564.81
	10/17/05	3601.67	36.92		0.00	0.00	36.92	3564.75
	11/03/05	3601.67	36.98		0.00	0.00	36.98	3564.69
	11/10/05	3601.67	36.98		0.00	0.00	36.98	3564.69
	11/16/05	3601.67	37.02		0.00	0.00	37.02	3564.65
	11/22/05	3601.67	37.00	36.99	0.01	0.01	36.99	3564.68
	11/29/05	3601.67	37.05		0.00	0.00	37.05	3564.62
	12/06/05	3601.67	37.05		0.00	0.00	37.05	3564.62
	12/12/05	3601.67	37.10		0.00	0.00	37.10	3564.57
	12/21/05	3601.67	37.16		0.00	0.00	37.16	3564.51
	01/04/06	3601.67	37.25		0.00	0.00	37.25	3564.42
	01/23/06	3601.67	37.31		0.00	0.00	37.31	3564.36
	04/24/06	3601.67	37.90		0.00	0.00	37.90	3563.77
	07/24/06	3601.67	38.42		0.00	0.00	38.42	3563.25
	10/23/06	3601.67	37.94		0.00	0.00	37.94	3563.73
	01/23/07	3601.67	38.23		0.00	0.00	38.23	3563.44
	04/23/07	3601.67	38.73		0.00	0.00	38.73	3562.94
	07/23/07	3601.67	38.91		0.00	0.00	38.91	3562.76
	10/22/07	3601.67	38.70		0.00	0.00	38.70	3562.97
	01/28/08	3601.67	39.03		0.00	0.00	39.03	3562.64

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
SV-1	02/27/01	3602.16	NM					
	06/25/01	3602.16	NM					
	09/25/01	3602.16	NM					
	12/11/01	3602.16	NM					
	10/25/04	3602.16	dry					
	01/24/05	3602.16	dry					
	04/18/05	3602.16	dry					
	07/18/05	3602.16	dry					
	10/17/05	3602.16	dry					
	01/23/06	3602.16	dry					
SVE-2 (SV-2)	02/27/01	3601.17	37.03	32.06	4.97	3.98	33.05	3568.12
	06/25/01	3601.17	37.28	32.67	4.61	3.69	33.59	3567.58
	09/25/01	3601.17	37.75	33.46	4.29	3.43	34.32	3566.85
	12/11/01	3601.17	37.69	33.74	3.95	3.16	34.53	3566.64
	11/05/02	3601.17	39.06	35.58	3.48	2.78	36.28	3564.89
	04/21/03	3601.17	39.33	35.65	3.68	2.94	36.39	3564.78
	11/05/03	3601.17	NM	35.02		iprobe unable to penetrate very viscous L.P.H		
	04/18/05	3601.17	34.29	33.45	0.84	0.67	33.62	3567.55
	07/18/05	3601.17	35.27	34.17	1.10	0.88	34.39	3566.78
	10/17/05	3601.17	34.86	34.14	0.72	0.58	34.28	3566.89
	01/23/06	3601.17	35.71	34.58	1.13	0.90	34.81	3566.36
	04/24/06	3601.17	39.90	35.17	4.73	3.78	36.12	3565.05
MP-1	02/27/01	3601.87	NM					
	06/25/01	3601.87	NM					
	09/25/01	3601.87	NM					
	12/11/01	3601.87	NM					
	10/25/04	3601.87	dry					
	01/24/05	3601.87	dry					
	04/18/05	3601.87	dry					
	07/18/05	3601.87	dry					
	10/17/05	3601.87	dry					
	01/23/06	3601.87	dry					
	04/24/06	3601.87	22.93					
MP-2	02/27/01	3601.87	NM					
	06/25/01	3601.87	37.66	33.15	4.51	3.61	34.05	3567.82
	09/25/01	3601.87	NM					
	12/11/01	3601.87	NM					
IW-2	06/05/02	3597.87	32.94		0.00	0.00	32.94	3564.93
	06/07/02	3597.87	32.99		0.00	0.00	32.99	3564.88
	06/08/02	3597.87	32.96		0.00	0.00	32.96	3564.91
	08/28/02	3597.87	32.27		0.00	0.00	32.27	3565.60
	08/29/02	3597.87	32.23		0.00	0.00	32.23	3565.64
	10/25/02	3597.87	32.46		0.00	0.00	32.46	3565.41
	11/06/02	3597.87	32.45		0.00	0.00	32.45	3565.42
	01/14/03	3597.87	32.41		0.00	0.00	32.41	3565.46
	02/26/03	3597.87	32.48		0.00	0.00	32.48	3565.39
	04/23/03	3597.87	32.49		0.00	0.00	32.49	3565.38
	06/23/03	3597.87	32.88		0.00	0.00	32.88	3564.99
	07/14/03	3597.87	32.95		0.00	0.00	32.95	3564.92
	10/15/03	3597.87	33.31		0.00	0.00	33.31	3564.56
	01/19/04	3597.87	33.65		0.00	0.00	33.65	3564.22
	04/19/04	3597.87	33.79		0.00	0.00	33.79	3564.08
	07/20/04	3597.87	33.57		0.00	0.00	33.57	3564.30
	10/25/04	3597.87	31.92		0.00	0.00	31.92	3565.95
	01/24/05	3597.87	30.56		0.00	0.00	30.56	3567.31
	04/18/05	3597.87	30.44		0.00	0.00	30.44	3567.43
	07/18/05	3597.87	30.84		0.00	0.00	30.84	3567.03
	10/17/05	3597.87	30.96		0.00	0.00	30.96	3566.91
	10/19/05	3597.87	30.87	30.85	0.02	0.02	30.85	3567.02
	11/03/05	3597.87	30.91		0.00	0.00	30.91	3566.96
	11/10/05	3597.87	30.95	30.94	0.01	0.01	30.94	3566.93
	11/16/05	3597.87	30.98		0.00	0.00	30.98	3566.89
	11/22/05	3597.87	30.96		0.00	0.00	30.96	3566.91
	12/06/05	3597.87	30.98		0.00	0.00	30.98	3566.89
	12/12/05	3597.87	31.02		0.00	0.00	31.02	3566.85

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
IW-2 cont.	12/21/05	3597.87	31.05		0.00	0.00	31.05	3566.82
	01/04/06	3597.87	31.14		0.00	0.00	31.14	3566.73
	01/11/06	3597.87	31.16		0.00	0.00	31.16	3566.71
	01/23/06	3597.87	31.16		0.00	0.00	31.16	3566.71
	04/24/06	3597.87	31.69		0.00	0.00	31.69	3566.18
	07/24/06	3597.87	32.14		0.00	0.00	32.14	3565.73
	10/23/06	3597.87	34.96	34.95	0.01	0.01	34.95	3562.92
	01/23/07	3597.87	32.09		0.00	0.00	32.09	3565.78
	04/23/07	3597.87	32.50		0.00	0.00	32.50	3565.37
	07/23/07	3597.87	32.75	32.75	0.00	0.00	32.75	3565.12
	10/22/07	3597.87	32.75		0.00	0.00	32.75	3565.12
	01/28/08	3597.87	32.91	32.90	0.01	0.01	32.90	3564.97
IW-3	06/05/02	3597.30	32.85		0.00	0.00	32.85	3564.45
	06/07/02	3597.30	32.89		0.00	0.00	32.89	3564.41
	06/08/02	3597.30	32.88		0.00	0.00	32.88	3564.42
	08/28/02	3597.30	33.02		0.00	0.00	33.02	3564.28
	08/29/02	3597.30	33.01		0.00	0.00	33.01	3564.29
	10/25/02	3597.30	33.20		0.00	0.00	33.20	3564.10
	11/06/02	3597.30	33.23		0.00	0.00	33.23	3564.07
	01/14/03	3597.30	33.20		0.00	0.00	33.20	3564.10
	02/26/03	3597.30	33.28		0.00	0.00	33.28	3564.02
	04/23/03	3597.30	33.28		0.00	0.00	33.28	3564.02
	06/23/03	3597.30	33.78		0.00	0.00	33.78	3563.52
	07/14/03	3597.30	33.85		0.00	0.00	33.85	3563.45
	10/15/03	3597.30	34.05		0.00	0.00	34.05	3563.25
	01/19/04	3597.30	34.34		0.00	0.00	34.34	3562.96
	04/19/04	3597.30	34.18		0.00	0.00	34.18	3563.12
	07/20/04	3597.30	33.99		0.00	0.00	33.99	3563.31
	10/25/04	3597.30	31.94		0.00	0.00	31.94	3565.36
	01/24/05	3597.30	31.41		0.00	0.00	31.41	3565.89
	04/18/05	3597.30	31.37		0.00	0.00	31.37	3565.93
	07/18/05	3597.30	31.81		0.00	0.00	31.81	3565.49
	10/17/05	3597.30	31.92		0.00	0.00	31.92	3565.38
	10/19/05	3597.30	33.91	33.90	0.01	0.01	33.90	3563.40
	11/03/05	3597.30	32.01	32.00	0.01	0.01	32.00	3565.30
	11/10/05	3597.30	32.00	31.99	0.01	0.01	31.99	3565.31
	11/16/05	3597.30	33.04	33.03	0.01	0.01	33.03	3564.27
	11/22/05	3597.30	32.03		0.00	0.00	32.03	3565.27
	12/06/05	3597.30	32.06		0.00	0.00	32.06	3565.24
	12/12/05	3597.30	32.08		0.00	0.00	32.08	3565.22
	12/21/05	3597.30	32.12		0.00	0.00	32.12	3565.18
	01/04/06	3597.30	32.20		0.00	0.00	32.20	3565.10
	01/11/06	3597.30	32.22		0.00	0.00	32.22	3565.08
	01/23/06	3597.30	32.46		0.00	0.00	32.46	3564.84
	04/24/06	3597.30	32.71	32.69	0.02	0.02	32.69	3564.61
	07/24/06	3597.30	33.04	33.02	0.02	0.02	33.02	3564.28
	10/23/06	3597.30	33.89	33.88	0.01	0.01	33.88	3563.42
	01/23/07	3597.30	33.11		0.00	0.00	33.11	3564.19
	04/23/07	3597.30	33.50		0.00	0.00	33.50	3563.80
	07/23/07	3597.30	33.78		0.00	0.00	33.78	3563.52
	10/22/07	3597.30	33.80		0.00	0.00	33.80	3563.50
	01/28/08	3597.30	33.90	33.89	0.01	0.01	33.89	3563.41
IW-4	06/05/02	3596.13	32.12		0.00	0.00	32.12	3564.01
	06/07/02	3596.13	32.14		0.00	0.00	32.14	3563.99
	06/08/02	3596.13	32.17		0.00	0.00	32.17	3563.96
	08/28/02	3596.13	32.45		0.00	0.00	32.45	3563.68
	08/29/02	3596.13	32.41		0.00	0.00	32.41	3563.72
	10/25/02	3596.13	32.62		0.00	0.00	32.62	3563.51
	11/06/02	3596.13	32.68		0.00	0.00	32.68	3563.45
	01/14/03	3596.13	32.63		0.00	0.00	32.63	3563.50
	02/26/03	3596.13	32.71		0.00	0.00	32.71	3563.42
	04/23/03	3596.13	32.74		0.00	0.00	32.74	3563.39
	06/23/03	3596.13	33.03		0.00	0.00	33.03	3563.10
	07/14/03	3596.13	32.45		0.00	0.00	32.45	3563.68
	10/15/03	3596.13	33.49		0.00	0.00	33.49	3562.64
	01/19/04	3596.13	33.79		0.00	0.00	33.79	3562.34
	04/19/04	3596.13	33.85		0.00	0.00	33.85	3562.28

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
IW-4 cont.	07/20/04	3596.13	33.60		0.00	0.00	33.60	3562.53
	10/25/04	3596.13	32.10		0.00	0.00	32.10	3564.03
	01/24/05	3596.13	30.59		0.00	0.00	30.59	3565.54
	04/18/05	3596.13	30.60		0.00	0.00	30.60	3565.53
	07/18/05	3596.13	31.13		0.00	0.00	31.13	3565.00
	10/17/05	3596.13	31.28		0.00	0.00	31.28	3564.85
	10/19/05	3596.13	31.25	31.23	0.02	0.02	31.23	3564.90
	11/03/05	3596.13	31.22		0.00	0.00	31.22	3564.91
	11/10/05	3596.13	31.33		0.00	0.00	31.33	3564.80
	11/16/05	3596.13	31.36		0.00	0.00	31.36	3564.77
	11/22/05	3596.13	31.25	31.24	0.01	0.01	31.24	3564.89
	12/06/05	3596.13	31.39		0.00	0.00	31.39	3564.74
	12/12/05	3596.13	31.43	31.42	0.01	0.01	31.42	3564.71
	12/21/05	3596.13	31.47		0.00	0.00	31.47	3564.66
	01/04/06	3596.13	31.45		0.00	0.00	31.45	3564.68
	01/11/06	3596.13	31.58	31.57	0.01	0.01	31.57	3564.56
	01/23/06	3596.13	31.63		0.00	0.00	31.63	3564.50
	04/24/06	3596.13	32.11	32.10	0.01	0.01	32.10	3564.03
	07/24/06	3596.13	32.59	32.58	0.01	0.01	32.58	3563.55
	10/23/06	3596.13	32.27	32.25	0.02	0.02	32.25	3563.88
	01/23/07	3596.13	32.50		0.00	0.00	32.50	3563.63
	04/23/07	3596.13	32.96	32.93	0.03	0.02	32.94	3563.19
	07/23/07	3596.13	33.21	33.15	0.06	0.05	33.16	3562.97
	10/22/07	3596.13	33.07	33.05	0.02	0.02	33.05	3563.08
	01/28/08	3596.13	33.28	33.27	0.01	0.01	33.27	3562.86
IW-5	06/05/02	3599.89	36.85		0.00	0.00	36.85	3563.04
	06/07/02	3599.89	36.83		0.00	0.00	36.83	3563.06
	06/08/02	3599.89	36.83		0.00	0.00	36.83	3563.06
	08/28/02	3599.89	37.01		0.00	0.00	37.01	3562.88
	08/29/02	3599.89	37.06		0.00	0.00	37.06	3562.83
	10/25/02	3599.89	37.22		0.00	0.00	37.22	3562.67
	11/06/02	3599.89	37.19		0.00	0.00	37.19	3562.70
	01/14/03	3599.89	37.15		0.00	0.00	37.15	3562.74
	02/26/03	3599.89	37.25		0.00	0.00	37.25	3562.64
	04/23/03	3599.89	37.26		0.00	0.00	37.26	3562.63
	06/23/03	3599.89	37.60		0.00	0.00	37.60	3562.29
	07/14/03	3599.89	37.61		0.00	0.00	37.61	3562.28
	10/15/03	3599.89	36.94		0.00	0.00	36.94	3562.95
	01/19/04	3599.89	38.29		0.00	0.00	38.29	3561.60
	04/19/04	3599.89	38.46		0.00	0.00	38.46	3561.43
	07/20/04	3599.89	38.24		0.00	0.00	38.24	3561.65
	10/25/04	3599.89	36.86		0.00	0.00	36.86	3563.03
	01/24/05	3599.89	34.91		0.00	0.00	34.91	3564.98
	04/18/05	3599.89	34.98		0.00	0.00	34.98	3564.91
	07/18/05	3599.89	35.66		0.00	0.00	35.66	3564.23
	10/17/05	3599.89	35.78		0.00	0.00	35.78	3564.11
	10/19/05	3599.89	34.75	34.73	0.02	0.02	34.73	3565.16
	11/03/05	3599.89	37.78		0.00	0.00	37.78	3562.11
	11/10/05	3599.89	35.79		0.00	0.00	35.79	3564.10
	11/16/05	3599.89	35.82		0.00	0.00	35.82	3564.07
	11/22/05	3599.89	35.81	35.80	0.01	0.01	35.80	3564.09
	12/06/05	3599.89	35.86		0.00	0.00	35.86	3564.03
	12/12/05	3599.89	35.91		0.00	0.00	35.91	3563.98
	12/21/05	3599.89	35.95		0.00	0.00	35.95	3563.94
	01/04/06	3599.89	36.04		0.00	0.00	36.04	3563.85
	01/11/06	3599.89	36.09		0.00	0.00	36.09	3563.80
	01/23/06	3599.89	34.13	34.10	0.03	0.02	34.11	3565.78
	04/24/06	3599.89	36.68		0.00	0.00	36.68	3563.21
	07/24/06	3599.89	37.21	37.20	0.01	0.01	37.20	3562.69
	10/23/06	3599.89	36.76	36.75	0.01	0.01	36.75	3563.14
	01/23/07	3599.89	37.02		0.00	0.00	37.02	3562.87
	04/23/07	3599.89	37.51	37.51	0.00	0.00	37.51	3562.38
	07/23/07	3599.89	37.70	37.70	0.00	0.00	37.70	3562.19
	10/22/07	3599.89	37.50	37.50	0.00	0.00	37.50	3562.39
	01/28/08	3599.89	37.81	37.80	0.01	0.01	37.80	3562.09

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
IW-6	06/05/02	3599.71	36.45		0.00	0.00	36.45	3563.26
	06/07/02	3599.71	36.48		0.00	0.00	36.48	3563.23
	06/08/02	3599.71	36.48		0.00	0.00	36.48	3563.23
	08/28/02	3599.71	36.54		0.00	0.00	36.54	3563.17
	08/29/02	3599.71	36.52		0.00	0.00	36.52	3563.19
	10/25/02	3599.71	36.75		0.00	0.00	36.75	3562.96
	11/06/02	3599.71	36.68		0.00	0.00	36.68	3563.03
	01/14/03	3599.71	36.56		0.00	0.00	36.56	3563.15
	02/26/03	3599.71	36.50		0.00	0.00	36.50	3563.21
	04/23/03	3599.71	36.52		0.00	0.00	36.52	3563.19
	06/23/03	3599.71	37.15		0.00	0.00	37.15	3562.56
	07/14/03	3599.71	37.21		0.00	0.00	37.21	3562.50
	10/15/03	3599.71	36.74		0.00	0.00	36.74	3562.97
	01/19/04	3599.71	37.90		0.00	0.00	37.90	3561.81
	04/19/04	3599.71	37.93		0.00	0.00	37.93	3561.78
	07/20/04	3599.71	37.67		0.00	0.00	37.67	3562.04
	10/25/04	3599.71	35.57		0.00	0.00	35.57	3564.14
	01/24/05	3599.71	33.54		0.00	0.00	33.54	3566.17
	04/18/05	3599.71	33.93		0.00	0.00	33.93	3565.78
	07/18/05	3599.71	34.88		0.00	0.00	34.88	3564.83
	10/17/05	3599.71	34.86		0.00	0.00	34.86	3564.85
	10/19/05	3599.71	34.86	34.85	0.01	0.01	34.85	3564.86
	11/03/05	3599.71	34.84		0.00	0.00	34.84	3564.87
	11/10/05	3599.71	34.86		0.00	0.00	34.86	3564.85
	11/16/05	3599.71	34.91		0.00	0.00	34.91	3564.80
	11/22/05	3599.71	34.89		0.00	0.00	34.89	3564.82
	12/06/05	3599.71	34.99		0.00	0.00	34.99	3564.72
	12/12/05	3599.71	35.06		0.00	0.00	35.06	3564.65
	12/21/05	3599.71	35.15		0.00	0.00	35.15	3564.56
	01/04/06	3599.71	35.27		0.00	0.00	35.27	3564.44
	01/11/06	3599.71	35.31		0.00	0.00	35.31	3564.40
	01/23/06	3599.71	35.36		0.00	0.00	35.36	3564.35
	04/24/06	3599.71	36.04	36.03	0.01	0.01	36.03	3563.68
	07/24/06	3599.71	36.62		0.00	0.00	36.62	3563.09
	10/23/06	3599.71	35.86	35.85	0.01	0.01	35.85	3563.86
	01/23/07	3599.71	36.26	36.25	0.01	0.01	36.25	3563.46
	04/23/07	3599.71	36.84	36.84	0.00	0.00	36.84	3562.87
	07/23/07	3599.71	36.97	36.97	0.00	0.00	36.97	3562.74
	10/22/07	3599.71	36.52		0.00	0.00	36.52	3563.19
	01/28/08	3599.71	37.07	37.05	0.02	0.02	37.05	3562.66
IW-7	06/05/02	3600.64	35.70		0.00	0.00	35.70	3564.94
	06/07/02	3600.64	35.77		0.00	0.00	35.77	3564.87
	06/08/02	3600.64	35.81		0.00	0.00	35.81	3564.83
	08/28/02	3600.64	36.03		0.00	0.00	36.03	3564.61
	08/29/02	3600.64	36.07		0.00	0.00	36.07	3564.57
	10/25/02	3600.64	36.25		0.00	0.00	36.25	3564.39
	11/06/02	3600.64	35.94		0.00	0.00	35.94	3564.70
	01/14/03	3600.64	35.95		0.00	0.00	35.95	3564.69
	02/26/03	3600.64	35.42		0.00	0.00	35.42	3565.22
	04/23/03	3600.64	35.90		0.00	0.00	35.90	3564.74
	06/23/03	3600.64	36.66		0.00	0.00	36.66	3563.98
	07/14/03	3600.64	36.75		0.00	0.00	36.75	3563.89
	10/15/03	3600.64	36.86		0.00	0.00	36.86	3563.78
	01/19/04	3600.64	37.50		0.00	0.00	37.50	3563.14
	04/19/04	3600.64	37.36		0.00	0.00	37.36	3563.28
	07/20/04	3600.64	37.06		0.00	0.00	37.06	3563.58
	10/25/04	3600.64	34.00		0.00	0.00	34.00	3566.64
	01/24/05	3600.64	32.36		0.00	0.00	32.36	3568.28
	04/18/05	3600.64	33.07		0.00	0.00	33.07	3567.57
	07/18/05	3600.64	34.15		0.00	0.00	34.15	3566.49
	10/17/05	3600.64	33.99		0.00	0.00	33.99	3566.65
	10/19/05	3600.64	33.96	33.95	0.01	0.01	33.95	3566.69
	11/03/05	3600.64	33.95		0.00	0.00	33.95	3566.69
	11/10/05	3600.64	33.98	33.97	0.01	0.01	33.97	3566.67
	11/16/05	3600.64	34.05		0.00	0.00	34.05	3566.59
	11/22/05	3600.64	34.03		0.00	0.00	34.03	3566.61
	11/29/05	3600.64	34.15		0.00	0.00	34.15	3566.49

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
IW-7 cont.	12/06/05	3600.64	35.05		0.00	0.00	35.05	3565.59
	12/12/05	3600.64	34.29	34.26	0.03	0.02	34.27	3566.37
	12/21/05	3600.64	34.40	34.37	0.03	0.02	34.38	3566.26
	01/04/06	3600.64	34.56	34.52	0.04	0.03	34.53	3566.11
	01/11/06	3600.64	34.59	34.56	0.03	0.02	34.57	3566.07
	01/23/06	3600.64	34.72	34.66	0.06	0.05	34.67	3565.97
	04/24/06	3600.64	35.42	35.37	0.05	0.04	35.38	3565.26
	07/24/06	3600.64	36.00	35.97	0.03	0.02	35.98	3564.66
	10/23/06	3600.64	34.97		0.00	0.00	34.97	3565.67
	01/23/07	3600.64	35.49	35.47	0.02	0.02	35.47	3565.17
	04/23/07	3600.64	36.14	36.14	0.00	0.00	36.14	3564.50
	07/23/07	3600.64	36.18	36.18	0.00	0.00	36.18	3564.46
	10/22/07	3600.64	35.60		0.00	0.00	35.60	3565.04
	01/28/08	3600.64	36.33	36.30	0.03	0.02	36.31	3564.33
SVE-1	08/28/02	3598.68	32.63		0.00	0.00	32.63	3566.05
	08/29/02	3598.68	32.60		0.00	0.00	32.60	3566.08
	10/25/02	3598.68	32.60		0.00	0.00	32.60	3566.08
	11/06/02	3598.68	32.80		0.00	0.00	32.80	3565.88
	11/22/02	3598.68	32.75		0.00	0.00	32.75	3565.93
	11/29/02	3598.68	32.73		0.00	0.00	32.73	3565.95
	12/18/02	3598.68	32.82		0.00	0.00	32.82	3565.86
	01/14/03	3598.68	32.61		0.00	0.00	32.61	3566.07
	02/24/03	3598.68	32.78		0.00	0.00	32.78	3565.90
	02/25/03	3598.68	32.79		0.00	0.00	32.79	3565.89
	02/26/03	3598.68	32.80		0.00	0.00	32.80	3565.88
	02/27/03	3598.68	32.80		0.00	0.00	32.80	3565.88
	02/28/03	3598.68	32.80		0.00	0.00	32.80	3565.88
	03/04/03	3598.68	32.78		0.00	0.00	32.78	3565.90
	03/14/03	3598.68	32.79		0.00	0.00	32.79	3565.89
	04/07/03	3598.68	32.90		0.00	0.00	32.90	3565.78
	04/11/03	3598.68	32.89		0.00	0.00	32.89	3565.79
	04/23/03	3598.68	32.91		0.00	0.00	32.91	3565.77
	06/23/03	3598.68	33.21		0.00	0.00	33.21	3565.47
	07/14/03	3598.68	33.31		0.00	0.00	33.31	3565.37
	10/15/03	3598.68	33.56		0.00	0.00	33.56	3565.12
	01/19/04	3598.68	34.04		0.00	0.00	34.04	3564.64
	04/19/04	3598.68	34.00		0.00	0.00	34.00	3564.68
	07/20/04	3598.68	33.75		0.00	0.00	33.75	3564.93
	10/25/04	3598.68	31.74		0.00	0.00	31.74	3566.94
	01/24/05	3598.68	30.01		0.00	0.00	30.01	3568.67
	04/18/05	3598.68	30.24		0.00	0.00	30.24	3568.44
	07/18/05	3598.68	30.86		0.00	0.00	30.86	3567.82
	10/17/05	3598.68	30.88		0.00	0.00	30.88	3567.80
	11/03/05	3598.68	30.91	30.90	0.01	0.01	30.90	3567.78
	11/10/05	3598.68	30.92		0.00	0.00	30.92	3567.76
	11/16/05	3598.68	29.70		0.00	0.00	29.70	3568.98
	11/22/05	3598.68	30.94		0.00	0.00	30.94	3567.74
	12/06/05	3598.68	31.00		0.00	0.00	31.00	3567.68
	12/12/05	3598.68	31.06		0.00	0.00	31.06	3567.62
	12/21/05	3598.68	31.12		0.00	0.00	31.12	3567.56
	01/04/06	3598.68	31.22		0.00	0.00	31.22	3567.46
	01/23/06	3598.68	31.17		0.00	0.00	31.17	3567.51
	04/24/06	3598.68	31.88		0.00	0.00	31.88	3566.80
	07/24/06	3598.68	32.44		0.00	0.00	32.44	3566.24
	10/23/06	3598.68	31.95		0.00	0.00	31.95	3566.73
	01/23/07	3598.68	32.17		0.00	0.00	32.17	3566.51
	04/23/07	3598.68	32.70		0.00	0.00	32.70	3565.98
	07/23/07	3598.68	32.86		0.00	0.00	32.86	3565.82
	10/22/07	3598.68	32.67	32.66	0.01	0.01	32.66	3566.02
	01/28/08	3598.68	32.96	32.95	0.01	0.01	32.95	3565.73
SVE-5	10/25/02	3600.54	38.82	35.92	2.90	2.32	36.50	3564.04
	11/07/02	3600.54	40.80	35.57	5.23	4.18	36.62	3563.92
	11/22/02	3600.54	dry	dry				
	12/18/02	when pumping from EW-2, SVE-5 may have no detection of water/free product during pumping interv						
	12/18/02	conducted enhanced free product recovery via vacuum truc						
	02/26/03	3600.54	36.30	30.54	5.76	4.61	31.69	3568.85
	03/13/03	conducted enhanced free product recovery via vacuum truc						

Table 1
Water Level Measurements
ConocoPhillips - Line NM1-1
Hobbs, New Mexico
(all measurements in feet)

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
SVE-5 cont.	11/05/03	3600.54	40.58	36.54	4.04	3.23	37.35	3563.19
	01/19/04	3600.54	39.84	36.81	3.03	2.42	37.42	3563.12
	04/19/04	3600.54	40.56	36.87	3.69	2.95	37.61	3562.93
	07/20/04	3600.54	40.32	36.66	3.66	2.93	37.39	3563.15
	10/25/04	3600.54	35.23	35.20	0.03	0.02	35.21	3565.33
	01/24/05	3600.54	33.50	33.38	0.12	0.10	33.40	3567.14
	04/18/05	3600.54	33.84	33.67	0.17	0.14	33.70	3566.84
	07/18/05	3600.54	35.71	34.18	1.53	1.22	34.49	3566.05
	09/29/05	3600.54	34.41		0.00	0.00	34.41	3566.13
	10/17/05	3600.54	dry	dry	0.00	0.00		
	11/03/05	3600.54	dry	dry	0.00	0.00		
	11/10/05	3600.54	dry	dry	0.00	0.00		
	11/16/05	3600.54	dry	dry	0.00	0.00		
	11/22/05	3600.54	dry	dry	0.00	0.00		
	11/29/05	3600.54	dry	dry	0.00	0.00		
	12/06/05	3600.54	dry	dry	0.00	0.00		
	12/12/05	3600.54	dry	dry	0.00	0.00		
	01/23/06	3600.54	dry	dry	0.00	0.00		
	04/24/06	3600.54	26.42	26.41	0.01	0.01	26.41	3574.13
EW-1	06/07/02	3598.57	34.33	30.73	3.60	2.88	31.45	3567.12
	08/26/02	developed well, conducted enhanced free product recovery via vacuum truc						
	11/22/02	3598.57	37.82	30.65	7.17	5.74	32.08	3566.49
	12/18/02	redeveloped well, conducted enhanced free product recovery via vacuum truc						
EW-2	09/19/02	3597.95	33.60		0.00	0.00	33.60	3564.35
	10/03/02	3597.95	33.61		0.00	0.00	33.61	3564.34
	10/23/02	3597.95	33.71		0.00	0.00	33.71	3564.24
	10/24/02	3597.95	33.73		0.00	0.00	33.73	3564.22
	10/25/02	3597.95	33.74		0.00	0.00	33.74	3564.21
	11/15/02	3597.95	33.83		0.00	0.00	33.83	3564.12
	11/29/02	3597.95	33.83		0.00	0.00	33.83	3564.12
	12/18/02	3597.95	33.65	33.60	0.05	0.04	33.61	3564.34
	12/18/02	redeveloped well, conducted enhanced free product recovery via vacuum truc						
	03/04/03	3597.95	33.65	31.23	2.42	1.94	31.71	3566.24
	03/13/03	redeveloped well, conducted enhanced free product recovery via vacuum truc						
	03/13/03	3597.95	33.80	33.59	0.21	0.17	33.63	3564.32
	04/07/03	3597.95	35.40	33.53	1.87	1.50	33.90	3564.05
	06/23/03	3597.95	33.62	29.02	4.60	3.68	29.94	3568.01
	06/23/03	re-adjusted free product pum						
	06/24/03	3597.95	33.51	33.50	0.01	0.01	33.50	3564.45
	04/24/06	3597.95	33.25	32.98	0.27	0.22	33.03	3564.92

Notes:
L.P.H. = Liquid Phase Hydrocarbon
NM = Not Measured
Blank Fields Indicate No Data

Table 2a
Summary of Groundwater Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-13	04/24/07	5,100	<1.0	430	11	5,541	16	1.3
	4/24/07 D	5,300	<1.0	430	10	5,740	16	1.3
	07/24/07	5,700	<1.0	610	<3.0	6,310	14	0.54
	07/24/07 D	5,400	<1.0	590	<3.0	5,990	15	0.58
	10/23/07	5,100	<1.0	590	<3.0	5,690	14	1.1
	10/23/07 D	5,500	<1.0	620	<3.0	6,120	15	1.1
	01/29/08	5,600	<50	600	<50	6,200	15	0.65
	01/29/08 D	5,700	<25	630	<25	6,330	14	0.97
EW-2	04/24/07	2,600	54	400	570	3,624	12	1,600
	07/24/07	3,200	150	720	1,000	5,070	17	130
	10/23/07	3,500	28	540	490	4,558	15	26
	01/29/08	3,100	26	520	610	4,256	12	45
IW-2	04/24/07	<1.0	<1.0	6.1	<3.0	6.1	0.45	32
	07/24/07	<1.0	<1.0	<1.0	<3.0	BDL	0.23	29
	10/23/07	<1.0	<1.0	19	5.0	24.0	2.5	200
	01/29/08	<1.0	<1.0	<1.0	<1.0	BDL	0.27	37
IW-3	04/24/07	2.8	<1.0	13	3.7	19.5	1.4	96
	07/24/07	3.0	<1.0	<1.0	3.5	6.5	1.1	23
	10/23/07	2.1	<1.0	14	3.4	19.5	1.2	62
	01/29/08	<1.0	<1.0	<1.0	1.1	1.1	0.71	41
IW-4	04/24/07	2.1	<1.0	9.8	4.6	16.5	0.88	88
	07/24/07	3.5	11	6.6	7.9	29.0	0.52	26
	10/23/07	1.8	<1.0	5.1	<3.0	6.9	0.57	53
	01/29/08	1.2	<1.0	<1.0	<1.0	1.2	0.42	51
IW-5	04/24/07	1.5	<1.0	5.9	<3.0	7.4	0.59	48
	07/24/07	<1.0	<1.0	<1.0	<3.0	BDL	0.33	8.5
	10/23/07	<1.0	<1.0	4.6	<3.0	4.6	0.44	42
	01/29/08	<1.0	<1.0	<1.0	1.4	1.4	0.36	4.9
IW-7	04/24/07	<1.0	<1.0	11	5.5	16.5	1.2	67
	07/24/07	1.4	<1.0	<1.0	<3.0	1.4	0.42	4.8
	10/23/07	<1.0	<1.0	4.5	<3.0	4.5	0.37	19
	01/29/08	<1.0	<1.0	<1.0	<1.0	BDL	0.27	58
SVE-1	04/24/07	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.050
	07/24/07	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.12
	10/23/07	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.050
	01/29/08	<1.0	<1.0	<1.0	<1.0	BDL	<0.10	<0.10

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
BDL = below detection limit
D = duplicate sample

Table 2b
Groundwater Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-2	07/16/99	3.6	2.7	1.3	0.5	8.1	<2.0	<2.0
	10/20/99	4.2	2.5	1.3	1.3	9.3	<2.0	<2.0
	01/13/00	1.9	0.5	<0.5	<0.5	2.4	<2.0	<2.0
	04/06/00	4.3	4.1	1.4	<2	9.8	<1.0	<1.0
	08/01/00	1.7	1.5	0.72	<2	3.9	<1.0	<1.0
	11/15/00	52.0	36.0	7.80	9.4	105.2	0.64	<0.52
	03/06/01	7.3	5.0	1.40	2.1	15.8	0.14	<0.56
	06/26/01	4.9	3.2	1.00	<2	9.1	0.18	<0.56
	09/25/01	18.0	7.4	1.40	2.1	28.9	0.20	<0.56
	12/12/01	3.6	2.9	<1.0	1.6	8.1	<0.10	0.122
	05/20/02	3.7	2.0	<1.0	1.8	7.5	<0.10	0.117
MW-3	07/16/99	<0.5	<0.5	<0.5	<0.5	0.0	<2.0	<2.0
	10/20/99	2.6	1.0	<0.5	<0.5	3.6	<2.0	<2.0
	01/13/00	20	16	9.2	20	65.2	<2.0	<2.0
	04/06/00	3,800	3,800	910	1,100	9,610	<1.0	<1.0
MW-4	07/16/99	720	1,100	260	280	2,360	3.0	3.0
MW-9	07/16/99	<0.5	<0.5	<0.5	<0.5	0.0	<2.0	<2.0
	10/20/99	2.8	<0.5	<0.5	<0.5	2.8	<2.0	<2.0
	01/13/00	110	2	20	15	147.0	<2.0	<2.0
	04/06/00	2,700	870	500	460	4,530	0.37	0.37
	08/01/00	3,400	1,100	520	270	5,290	1.10	1.10
	11/15/00	4,200	120	460	140	4,920	16	0.73
	03/06/01	4,300	370	920	210	5,800	20	<0.56
MW-10	07/16/99	1.8	<0.5	<0.5	<0.5	1.8	<2.0	<2.0
	10/20/99	3.8	2.3	<0.5	<0.5	6.1	<2.0	<2.0
	01/13/00	2	1	2.5	2	7.5	<2.0	<2.0
	04/06/00	2.7	7.2	0.69	<2	10.6	<1.0	<1.0
	08/01/00	40	1.2	2.7	10	53.9	<1.0	<1.0
	11/15/00	2,000	18	310	210	2,538	9	0.78
	03/06/01	4,400	7.8	120	190	4,718	17	0.57
	06/26/01	5,600	1,300	670	<40	7,570	31	2.4
	09/25/01	5,900	1,200	760	570	8,430	26	<0.53
	12/12/01	7,090	1,560	868	655	10,173	23.5	1.35
	05/20/02	9,000	1,170	1,100	640	11,910	26.4	1.4
MW-11	10/20/99	<0.5	<0.5	1.2	1.3	2.5	<2.0	<2.0
	01/13/00	<0.5	<0.5	<0.5	<0.5	0.0	<2.0	<2.0
	04/06/00	<0.5	<0.5	<0.5	<2	0.0	<1.0	<1.0
	08/01/00	<0.5	<0.5	<0.5	<2	0.0	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	0.0	<0.10	2.0
	03/06/01	0.64	1.1	<0.5	<2	1.7	<0.10	<0.56
	06/26/01	<0.5	<0.5	<0.5	<2	0.0	<0.10	<0.53
	09/25/01	1.3	<0.5	<0.5	<2	1.3	<0.10	<0.54
	12/12/01	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	05/20/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
MW-12	10/20/99	1.1	<0.5	<0.5	<0.5	1.1	<2.0	<2.0
	01/13/00	<0.5	<0.5	<0.5	<0.5	0.0	<2.0	<2.0
	04/06/00	<0.5	<0.5	<0.5	<2	0.0	<1.0	<1.0
	08/01/00	<0.5	<0.5	<0.5	<2	0.0	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	0.0	<0.10	<0.56
	03/06/01	0.85	0.63	<0.5	<2	1.5	<0.10	<0.56
	06/26/01	<0.5	<0.5	<0.5	<2	0.0	<0.10	<0.53
	09/25/01	2.8	0.53	<0.5	<2	3.3	<0.10	<0.52
	12/12/01	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	05/20/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10

Table 2b
Groundwater Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-13	04/06/00	<0.5	<0.5	<0.5	<2	0.0	<1.0	<1.0
	08/01/00	<0.5	<0.5	<0.5	<2	0.0	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	0.0	<0.10	0.57
	03/06/01	<0.5	1.3	<0.5	<2	1.3	<0.10	<0.55
	06/26/01	<0.5	<0.5	<0.5	<2	0.0	<0.10	<0.5
	09/25/01	22	3.4	2.5	<2	27.9	0.15	<0.5
	12/12/01	439	<1.00	<1.00	20.4	459.4	1.24	0.125
	05/20/02	<1.00	<1.00	<1.00	32.8	32.8	0.535	0.184
	08/29/02	<5.00	1.0	<1.00	1.3	2.3	0.145	0.133
	01/15/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	0.116
	04/23/03	<1.00	<1.00	5.2	<1.00	5.2	0.124	<0.10
	07/14/03	<1.00	<1.00	14.2	<1.00	14.2	0.125	<0.10
	10/16/03	<1.0	<1.0	21	<3.0	21	<0.10	<0.048
	10/26/04	14	<1.0	300	<3.0	314	1.2	3.0
	01/25/05	1,000	<1.0	1,400	<3.0	2,400	4.7	0.79
	04/19/05	1,400	<1.0	780	<3.0	2,180	4.9	0.90
	07/19/05	1,200	<1.0	540	<3.0	1,740	4.2	0.69
	10/18/05	360	<1.0	430	6.8	797	2.1	0.88
	01/24/06	1,100	<1.0	460	<3.0	1,560	4.7	1.1
	04/25/06	5,300	<1.0	640	<3.0	5,940	14	1.1
	4/25/2006 D	3,700	<1.0	470	<3.0	4,170	11	1.0
	07/25/06	5,900	<1.0	460	<3.0	6,360	16	1.7
	7/25/2006 D	5,400	<1.0	490	<3.0	5,890	16	1.6
	10/24/06	5,700	<1.0	610	<3.0	6,310	14	1.5
	10/24/06 D	5,200	<1.0	650	<3.0	5,850	12	1.3
	01/24/07	6,200	<1.0	720	<3.0	6,920	16	1.5
	01/24/07 D	5,800	<1.0	680	<3.0	6,480	17	1.5
	04/24/07	5,100	<1.0	430	11	5,541	1.3	1.1
	4/24/07 D	5,300	<1.0	430	10	5,740	1.3	1.0
	07/24/07	5,700	<1.0	610	<3.0	6,310	0.54	1.7
	07/24/07 D	5,400	<1.0	590	<3.0	5,990	0.58	1.6
	10/23/07	5,100	<1.0	590	<3.0	5,690	1.1	1.5
	10/23/07 D	5,500	<1.0	620	<3.0	6,120	1.1	1.3
	01/29/08	5,600	<50	600	<50	6,200	0.65	1.5
	01/29/08 D	5,700	<25	630	<25	6,330	0.97	1.5
EW-1	11/15/02	7,460	5,130	1,590	1,590	15,770	21.4	NA
	11/22/02	9,340	6,150	2,270	2,210	19,970	15.3	NA
	04/24/03	4,410	2,500	952	793	8,655	13.1	2.56
	07/14/03	2,590	2,160	406	471	5,627	6.01	1.56
	10/16/03	2,800	1,800	690	680	5,970	11	460
EW-2	11/15/02	2,160	1,390	307	489	4,346	8.88	NA
	11/22/02	2,110	2,340	881	1,280	6,611	11.3	NA
	04/24/03	3,080	2,680	541	885	7,186	6.07	<1.0
	07/14/03	1,760	1,790	198	559	4,307	2.92	<2.0
	10/16/03	2,800	2,600	440	720	6,560	12	0.88
	10/16/03	2,800	2,600	440	720	6,560	12	0.88
	07/20/05	4,500	1,500	460	640	7,100	21	2.6
	01/24/06	6,400	2,300	910	890	10,500	34	4.9
	04/25/06	6,800	2,600	840	950	11,190	32	960
	10/24/06	4,800	1,300	880	1,100	8,080	23	67
	01/24/07	5,200	220	760	930	7,110	21	130
	04/24/07	2,600	54	400	570	3,624	12	1,600
	07/24/07	3,200	150	720	1,000	5,070	17	130
	10/23/07	3,500	28	540	490	4,558	15	26
	01/29/08	3,100	26	520	610	4,256	12	45

Table 2b
Groundwater Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
IW-2	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/15/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	04/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	01/25/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.062
	04/19/05	<1.0	<1.0	1.3	<3.0	1.3	<0.10	5.2
	07/19/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.16
	10/18/05	19	<1.0	18	12	49.0	1.8	25
	01/24/06	20	63	88	140	311.0	2.0	71
	04/25/06	2.8	5	13	15	35.4	0.83	15
	07/25/06	4.0	<1.0	54	75	133.0	1.60	37
	10/24/06	3.0 F	<1.0	21 F	16	40.0	0.91	68
	01/24/07	1.8	<1.0	7.0	3.1	11.9	0.46	59
	04/24/07	<1.0	<1.0	6.1	<3.0	6.1	0.45	32
	07/24/07	<1.0	<1.0	<1.0	<3.0	0.0	0.23	29
	10/23/07	<1.0	<1.0	19	5.0	24.0	2.5	200
	01/29/08	<1.0	<1.0	<1.0	<1.0	0.0	0.27	37
IW-3	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/15/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	04/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.061
	10/26/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.072
	01/25/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	04/19/05	1.5	2.4	5.0	7.4	16.3	0.27	14
	07/19/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	1.1
	10/18/05	6.2	<1.0	13	11	30.2	1.4	180
	01/24/06	17	8.0	14	9.3	48.3	1.6	87
	04/25/06	6	<1.0	10	5.1	20.7	1.3	64
	07/25/06	3	<1.0	6	4.2	13.8	0.91	18
	10/24/06	2.4 F	<1.0	7.4 F	<3.0	9.8	0.58	53
	01/24/07	1.8	<1.0	<1.0	<3.0	1.8	4.1	67
	04/24/07	2.8	<1.0	13	3.7	19.5	1.4	96
	07/24/07	3.0	<1.0	<1.0	3.5	6.5	1.1	23
	10/23/07	2.1	<1.0	14	3.4	19.5	1.2	62
	01/29/08	<1.0	<1.0	<1.0	1.1	1.1	0.71	41
IW-4	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	04/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.082
	01/25/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.31
	04/19/05	2.6	3.0	5.4	8.2	19.2	0.33	10

Table 2b
Groundwater Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
IW-4 cont.	07/19/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	1.1
	10/18/05	32	1.5	2.6	14	50.1	0.98	70
	01/24/06	17	2.2	1.9	9.3	30.4	0.79	35
	04/25/06	13	1.0	8.4	10.0	32.4	1.2	56
	07/25/06	6.1	<1.0	11.0	9.0	26.1	1.4	52
	10/24/06	4.2 F	<1.0	8.2 F	7.8	20.2	1.5	120
	01/24/07	2.6	<1.0	<1.0	7.2	9.8	1.4	0.10
	04/24/07	2.1	<1.0	9.8	4.6	16.5	0.88	88
	07/24/07	3.5	11	6.6	7.9	29.0	0.52	26
	10/23/07	1.8	<1.0	5.1	<3.0	6.9	0.57	53
	01/29/08	1.2	<1.0	<1.0	<1.0	1.2	0.42	51
IW-5	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	01/15/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.086
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	16
	04/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.25
	07/21/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	2.7
	10/26/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.048
	01/25/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.43
	04/19/05	1.1	1.2	1.4	<3.0	3.7	<0.10	2.0
	07/19/05	1.9	<1.0	<1.0	<3.0	1.9	<0.10	0.22
	10/18/05	20	<1.0	5.5	9.7	35.2	0.89	70
	01/24/06	4.1	3.1	2.9	6.2	16.3	0.55	4.5
	04/25/06	1.8	<1.0	8.4	10.0	20.2	1.20	56
	07/25/06	2.7	<1.0	7.4	3.7	13.8	0.96	99
	10/24/06	2.6	<1.0	12.0	3.0	17.6	0.89	130
	01/24/07	1.6	<1.0	<1.0	<3.0	1.6	2.1	48
	04/24/07	1.5	<1.0	5.9	<3.0	7.4	0.59	48
	07/24/07	<1.0	<1.0	<1.0	<3.0	0.0	0.33	8.5
	10/23/07	<1.0	<1.0	4.6	<3.0	4.6	0.44	42
	01/29/08	<1.0	<1.0	<1.0	1.4	1.4	0.36	4.9
IW-6	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	7.62
	01/15/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.15
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	11
	10/26/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	1.4
	01/25/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.76
	04/19/05	3.1	3.0	4.7	<3.0	10.8	0.19	2.0
	07/19/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	3.4
	10/18/05	7.1	<1.0	4.4	17	28.5	0.88	110
	01/24/06	3.3	2.8	<1.0	12	18.1	0.71	48
	10/24/06	2.1 F	<1.0	8.4 F	6.8	17.3	0.87	61
IW-7	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	01/15/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.64
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	0.15	40
	04/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	1.7
	07/21/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	18
	10/26/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	3.3

Table 2b
Groundwater Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
IW-7 cont.	01/25/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.21
	04/19/05	1.4	4.2	8.7	6.7	21.0	0.55	2.1
	07/19/05	<1.0	<1.0	<1.0	<3.0	0.0	0.10	0.30
	10/18/05	8.5	3.7	6.7	35	53.9	2.3	360
	01/24/06	6.4	5.3	6.1	30	47.8	1.4	41
	04/25/06	5.5	<1	23.0	30	58.5	2.7	330
	07/25/06	4.3	<1	8.6	13	25.9	1.4	110
	10/24/06	3.2 F	<1.0	12 F	13	28.2	1.1	44
	01/24/07	1.8	<1.0	<1.0	6.6	8.4	0.95	57
	04/24/07	<1.0	<1.0	11	5.5	16.5	1.2	67
	07/24/07	1.4	<1.0	<1.0	<3.0	1.4	0.42	4.8
	10/23/07	<1.0	<1.0	4.5	<3.0	4.5	0.37	19
	01/29/08	<1.0	<1.0	<1.0	<1.0	0.0	0.27	58
SVE-1	08/29/02	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	0.0	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.055
	04/20/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.059
	10/26/04	79	2.8	<1.0	<3.0	81.8	0.32	0.099
	01/25/05	62	3.4	1.9	12	79.3	0.41	0.34
	04/19/05	54	1.4	1.7	7.7	64.8	0.21	0.048
	07/19/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.32
	10/18/05	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.31
	01/24/06	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.10
	04/25/06	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.069
	07/25/06	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.049
	10/24/06	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.049
	01/24/07	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.049
	04/24/07	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.050
	07/24/07	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	0.12
	10/23/07	<1.0	<1.0	<1.0	<3.0	0.0	<0.10	<0.050
	01/29/08	<1.0	<1.0	<1.0	<1.0	0.0	<0.10	<0.10

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NA= not analyzed
D = Duplicate Sample
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
F = Reported value estimated due to an interference

Table 2c
Groundwater Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (mg/L)	Manganese (mg/L)
MW-2	07/16/99	28			
	10/20/99	180			
	01/13/00	200			
	04/06/00	190			
	08/01/00	180			
	11/15/00	170			
	03/06/01	160			
	06/26/01	170			
	09/25/01	150			
	12/12/01	151			
	05/20/02	137	590	3.09	0.098
MW-3	07/16/99	170			
	10/20/99	120			
	01/13/00	160			
	04/06/00	170			
MW-4	07/16/99	190			
MW-9	07/16/99	140			
	10/20/99	110			
	01/13/00	130			
	04/06/00	140			
	08/01/00	140			
	11/15/00	140			
	03/06/01	130			
MW-10	07/16/99	100			
	10/20/99	120			
	01/13/00	170			
	04/06/00	210			
	08/01/00	160			
	11/15/00	200			
	03/06/01	180			
	06/26/01	170			
	09/25/01	170			
	12/12/01	169			
	05/20/02	164	594	1.87	0.303
MW-11	10/20/99	120			
	01/13/00	140			
	04/06/00	120			
	08/01/00	110			
	11/15/00	110			
	03/06/01	100			
	06/26/01	110			
	09/25/01	150			
	12/12/01	100			
	05/20/02	96	1,280	3.43	0.051
MW-12	10/20/99	140			
	01/13/00	140			
	04/06/00	130			
	08/01/00	120			
	11/15/00	120			
	03/06/01	91			

Table 2c
Groundwater Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (mg/L)	Manganese (mg/L)
MW-12 cont.	06/26/01	120			
	09/25/01	110			
	12/12/01	109			
	05/20/02	100	845	11.7	0.106
MW-13	04/06/00	56			
	08/01/00	71			
	11/15/00	86			
	03/06/01	110			
	06/26/01	120			
	09/25/01	110			
	12/12/01	114			
	05/20/02	111	905	1.2	0.018
	08/29/02	106		5.72	
	01/15/03	113			
	04/23/03	406		0.351	
	07/14/03	125			
	10/16/03	120			
	10/26/04	120			
	01/25/05	130			
	04/19/05	117			
	04/19/05 D	103			
	07/19/05	116			
	7/19/05 D	115			
	10/18/05	108			
	10/18/05 D	106			
	01/24/06	109			
	01/24/06 D	115			
	04/25/06	107		1.4	0.11
	4/25/2006 D	109		1.7	0.11
	07/25/06	69.2			
	7/25/2006 D	69.7			
	10/24/06	80.7			
	10/24/06 D	69.5			
	01/24/07	63.9			
	01/24/07 D	67.1			
	04/24/07	55.9		2.7	0.16
	04/24/07 D	56.0		2.8	0.17
	07/24/07	63.6			
	07/24/07 D	63.6			
	10/23/07	75.8			
	10/23/07 D	80.7			
	01/29/08	70.0			
	01/29/08 D	73.1			
EW-1	07/16/03	172			
	10/16/03	147		0.22	
EW-2	07/16/03	160			
	10/16/03	164			
	07/20/05	110		0.22	
	01/24/06	74.5			
	04/25/06	52.7		0.48	0.044
	10/24/06	56.3			

Table 2c
Groundwater Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (mg/L)	Manganese (mg/L)
EW-2 cont.	01/24/07	38.5			
	04/24/07	77.6		8.7	0.22
	07/24/07	52.9			
	10/23/07	55.1			
	01/29/08	70.2			
IW-2	08/29/02	86		6.55	
	01/14/03	132			
	04/23/03	152		0.089	
	07/14/03	171			
	10/15/03	103			
	01/20/04	97			
	04/20/04	99.4			
	07/21/04	121			
	10/26/04	146			
	01/25/05	158			
	04/19/05	146			
	07/19/05	125			
	10/18/05	107			
	01/24/06	105			
	04/25/06	110		0.69	0.13
	07/25/06	68.9			
	10/24/06	80.8			
	01/24/07	83.9			
	04/24/07	82.0		0.33	
	07/24/07	71.5			
	10/23/07	77.5			
	01/29/08	78.4			
IW-3	08/29/02	82		8.28	
	01/14/03	94.6			
	04/23/03	115		1.47	
	07/14/03	161			
	10/15/03	99.1			
	01/20/04	89.3			
	04/20/04	91.5			
	07/21/04	148			
	10/26/04	90.2			
	01/25/05	158			
	04/19/05	148			
	07/19/05	124			
	10/18/05	106			
	01/24/06	97.7			
	04/25/06	103.0		0.68	0.21
	07/25/06	87.8			
	10/24/06	91.4			
	01/24/07	90.7			
	04/24/07	93.1		0.60	0.074
	07/24/07	89.7			
	10/23/07	89.9			
	01/29/08	87.4			

Table 2c
Groundwater Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (mg/L)	Manganese (mg/L)
IW-4	08/29/02	99.5		2.45	
	01/14/03	111			
	04/23/03	153		0.221	
	07/14/03	4			
	10/16/03	141			
	01/20/04	114			
	04/20/04	101			
	07/21/04	125			
	10/26/04	139			
	01/25/05	154			
	04/19/05	147			
	07/09/05	125			
	10/18/05	108			
	01/24/06	115			
	04/25/06	131		3.0	0.44
	07/25/06	41			
	10/24/06	56.6			
	01/24/07	53.7			
	04/24/07	56.2		0.87	0.23
	07/24/07	51.4			
	10/23/07	41.1			
	01/29/08	34.7			
IW-5	08/29/02	90		3.33	
	01/15/03	117			
	04/23/03	156		2.13	
	07/14/03	160			
	10/16/03	166			
	01/20/04	140			
	04/20/04	124			
	07/21/04	138			
	10/26/04	128			
	01/25/05	156			
	04/19/05	147			
	07/19/05	124			
	10/18/05	110			
	01/24/06	131			
	04/25/06	141		1.3	0.32
	07/25/06	93			
	10/24/06	129			
	01/24/07	131			
	04/24/07	138		1.0	0.14
	07/24/07	133			
	10/23/07	129			
	01/29/08	135			
IW-6	08/29/02	92		7.16	
	01/15/03	100			
	04/23/03	132		0.27	
	07/14/03	120			
	10/16/04	165			
	01/20/04	138			
	10/26/04	76.6			

Table 2c
Groundwater Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (mg/L)	Manganese (mg/L)
IW-6 cont.	01/25/05	156			
	04/19/05	145			
	07/19/05	123			
	10/18/05	110			
	01/24/06	115			
	10/24/06	160			
IW-7	08/29/02	161		18.6	
	01/15/03	142			
	04/23/03	152		0.524	
	07/14/03	140			
	10/16/03	165			
	01/20/04	138			
	04/20/04	160			
	07/21/04	142			
	07/21/04 D	139			
	10/26/04	125			
	01/25/05	155			
	01/25/05 D	157			
	04/19/05	131			
	07/09/15	125			
	10/18/05	107			
	01/24/06	102			
	04/25/06	105		0.23	0.31
	07/25/06	87			
	10/24/06	88.7			
	01/24/07	91.9			
	04/24/07	92.6		0.45	0.055
	07/24/07	85.9			
	10/23/07	81.9			
	01/29/08	89.4			

Table 2c
Groundwater Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (mg/L)	Manganese (mg/L)
SVE-1	08/29/02	96.5			
	01/14/03	122			
	04/23/03	123		2.27	
	07/14/03	117			
	10/16/03	113			
	01/20/04	105			
	04/20/04	109			
	07/21/04	103			
	10/26/04	52.7			
	01/25/04	73.9			
	04/19/05	97.2			
	07/19/05	102			
	10/18/05	96.5			
	01/24/06	109			
	04/25/06	140			0.018
	07/25/06	112			
	10/24/06	117			
	01/24/07	121			
	04/24/07	124			
	07/24/07	120			
	10/23/07	121			
	01/29/08	120			

Notes:
mg/L = milligrams per liter
D = Duplicate Sample

Blank Fields Indicate No Data

Table

Groundwater Data - WQCC and PAH Analyses

ConocoPhillips

Line NM1-1

Hobbs, New Mexico

WQCC Analytes (mg/L)	IW-2	IW-3	IW-4	IW-5	IW-7	MW-13	MW-13 D	SVE-1	EW-2	WQCC Standards
Total Dissolved Solids	544	599	520	720	640	705	697	656	623	1,000
Fluoride	1.0	<1.0	<1.0	<1.0	<1.0	1.1	1.1	1.3	<1.0	1.6
Aluminum	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	5.0
Arsenic	0.017	0.013	<0.010	<0.010	<0.010	0.026	0.024	<0.010	<0.010	0.1
Barium	**1.0**	0.67	**1.1**	0.41	0.30	**2.3**	**2.5**	<0.20	**2.7**	1.0
Boron	<0.20	<0.20	<0.20	0.21	0.26	0.28	0.28	0.23	<0.20	0.75
Cadmium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.01
Chromium	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.05
Cobalt	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.05
Copper	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.0
Iron	0.33	0.60	0.87	**1.0**	0.45	**2.7**	**2.8**	<0.10	**8.7**	1.0
Lead	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.05
Manganese	0.13	0.074	**0.23**	0.14	0.055	0.16	0.17	<0.015	**0.22**	0.2
Mercury	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.002
Molybdenum	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	1.0
Nickel	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.2
Selenium	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.05
Silver	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.05
Zinc	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.023	10
Uranium (µg/L)	<500	<500	<500	<500	<500	<500	<500	<500	<500	5.0
PAH Analytes (µg/L)*										
Acenaphthene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Acenaphthylene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Anthracene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Benzo(a)anthracene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Benzo(a)pyrene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	0.7
Benzo(b)fluoranthene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Benzo(ghi)perylene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Benzo(k)fluoranthene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Chrysene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Dibenz(a,h)anthracene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Fluoranthene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Fluorene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Indeo(1,2,3-cd)pyrene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Naphthalene	<240	<480	<480	<480	<480	**50**	**52**	<9.9	<3,800	30
Phenanthrene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	
Pyrene	<240	<480	<480	<480	<480	<9.6	<9.8	<9.9	<3,800	

Notes:

Samples collected on 04/24/07

mg/L = Milligrams per liter

µg/L = Micrograms per liter

D = Duplicate sample

WQCC = New Mexico Water Quality Control Commission

PAH = Polynuclear Aromatic Hydrocarbons (SW846 - 8270C)

* Elevated reporting limits due to matrix interference

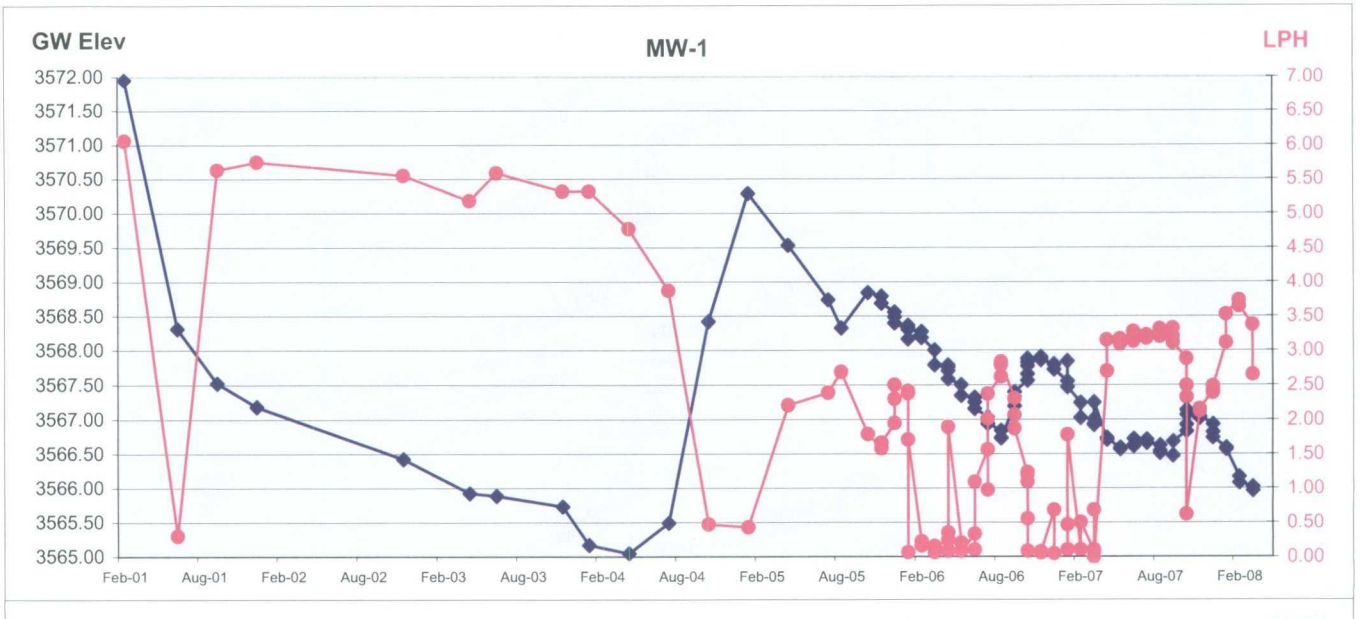
Exceeds standards per 20.6.2.3103 NMAC

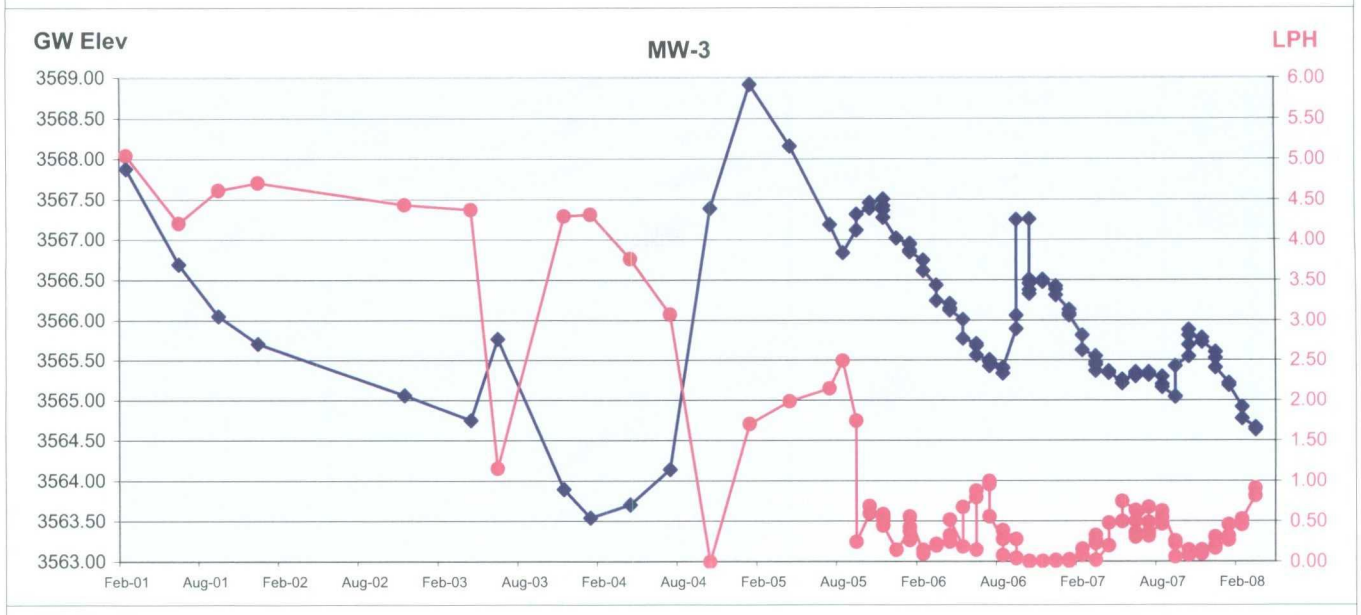
APPENDIX A

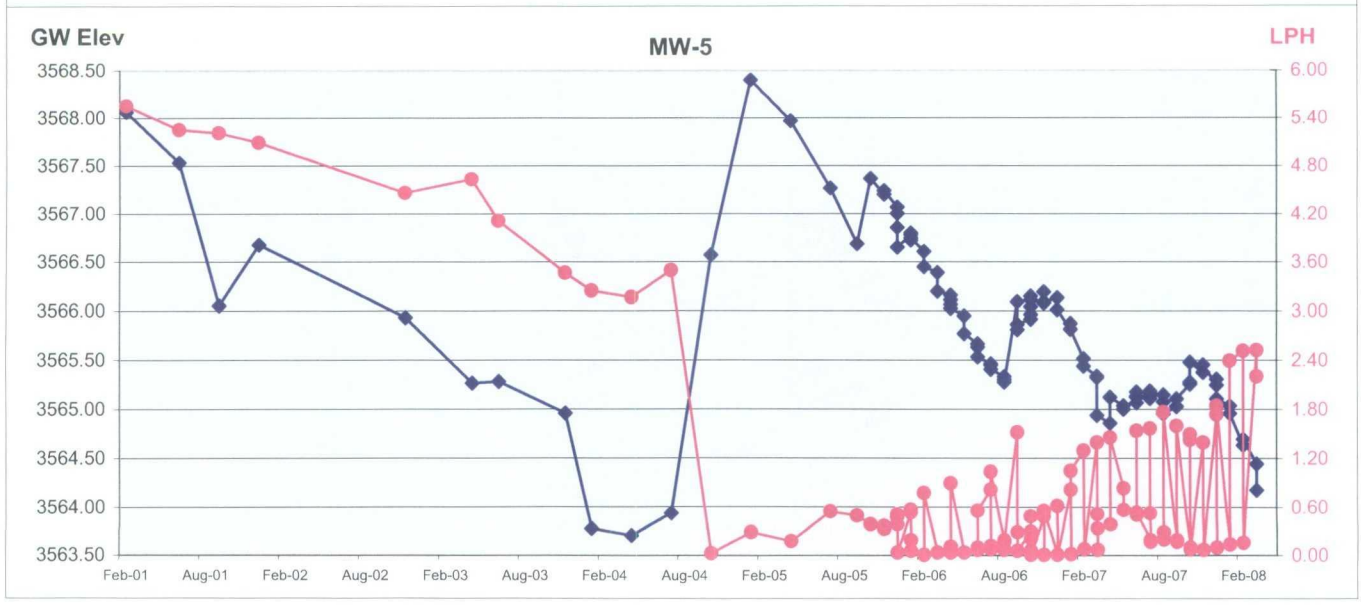
Hydrographs and Groundwater Analytical Data Graphs

Hydrograph Charts

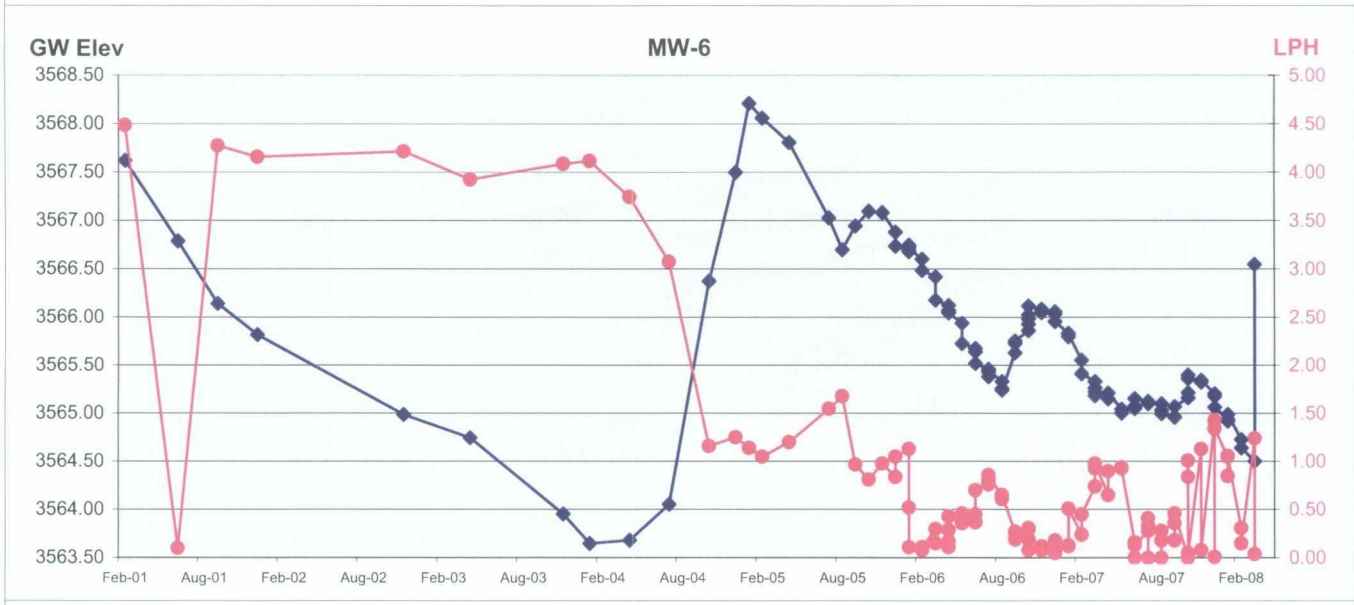
ConocoPhillips - Line NM1-1

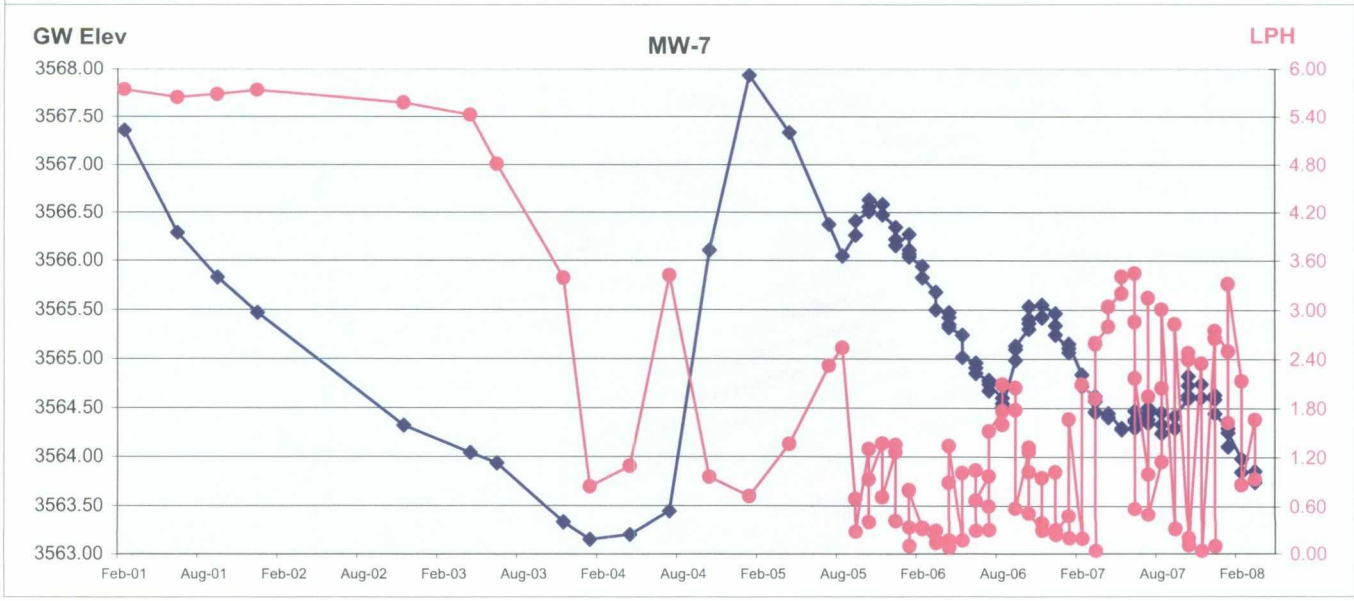




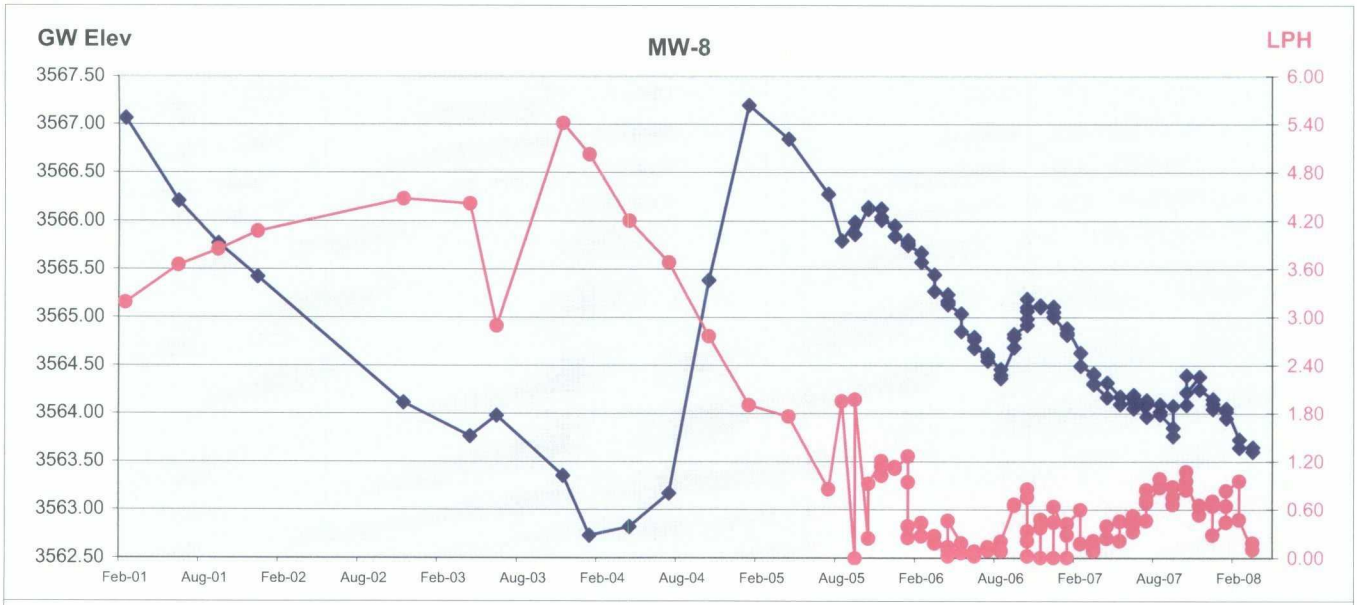


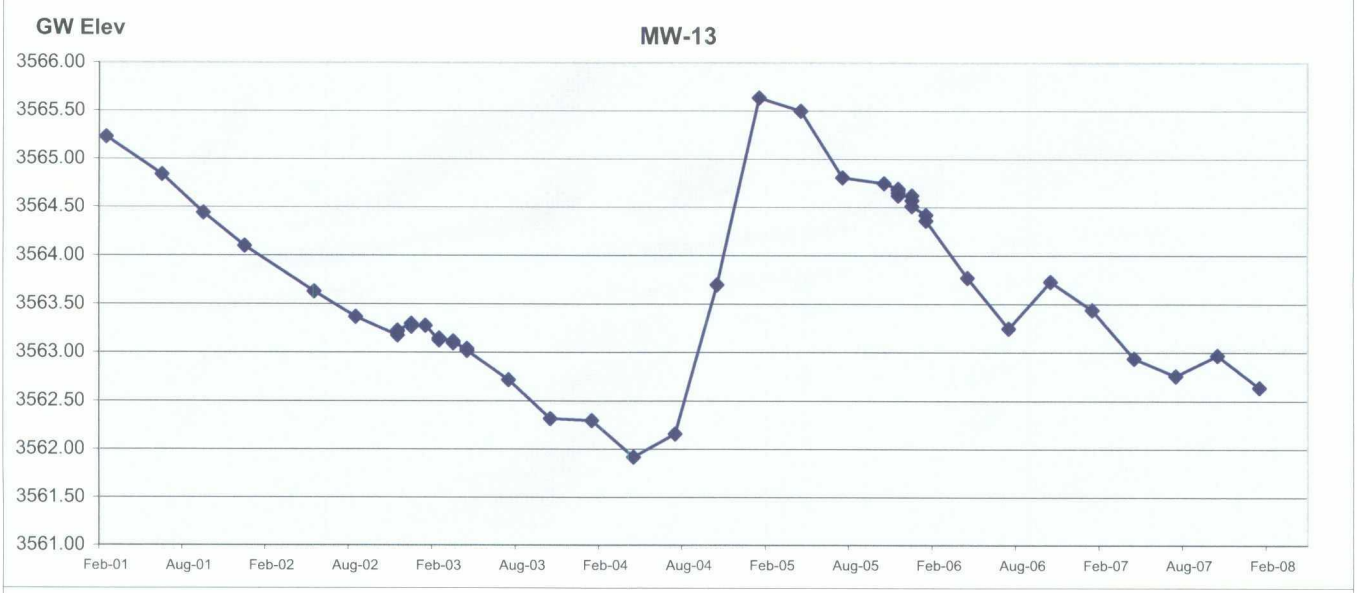
Hydrograph Charts
ConocoPhillips - Line NM1-1

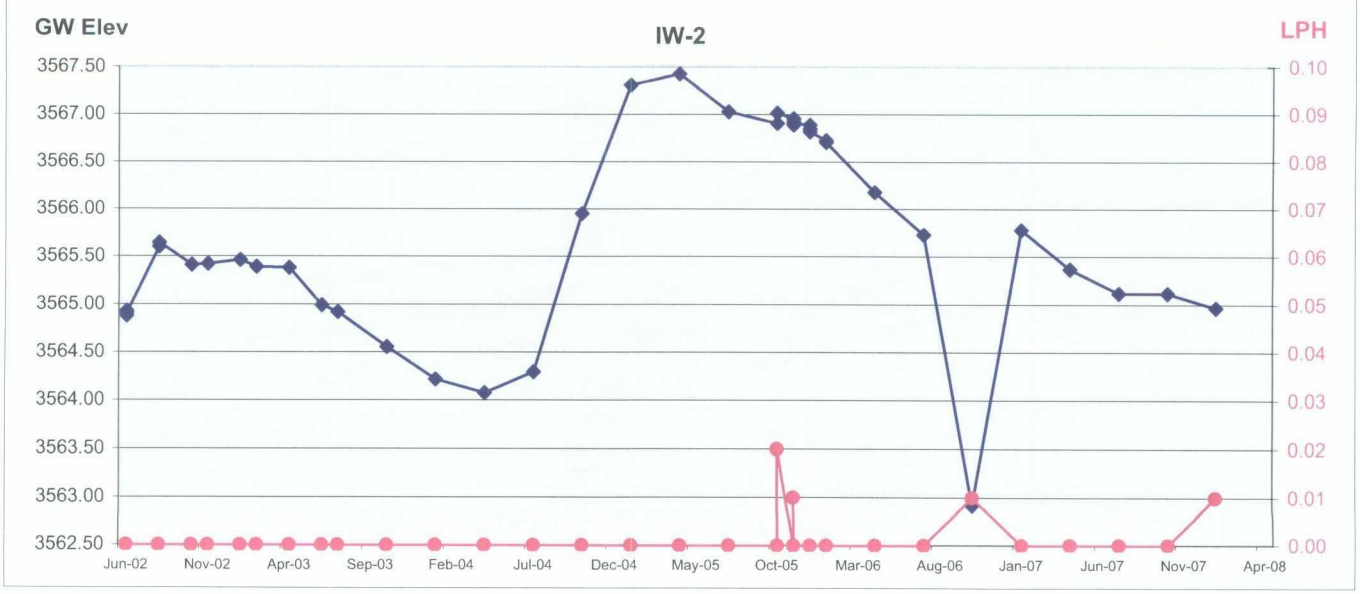




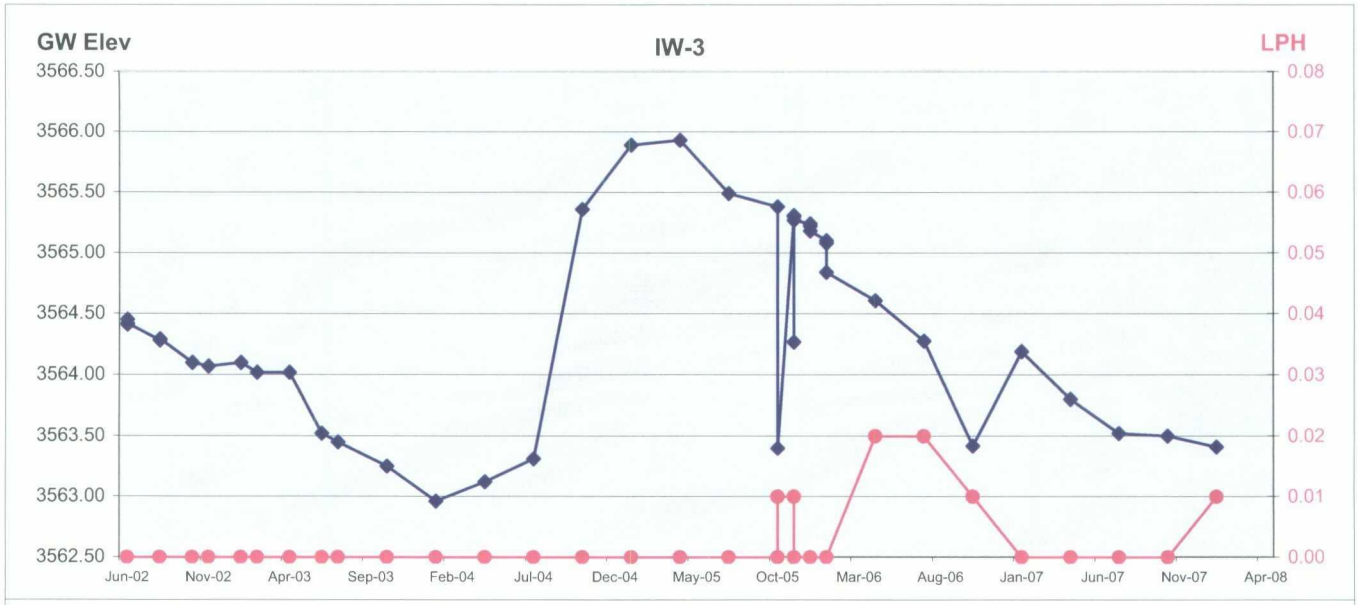
Hydrograph Charts
ConocoPhillips - Line NM1-1

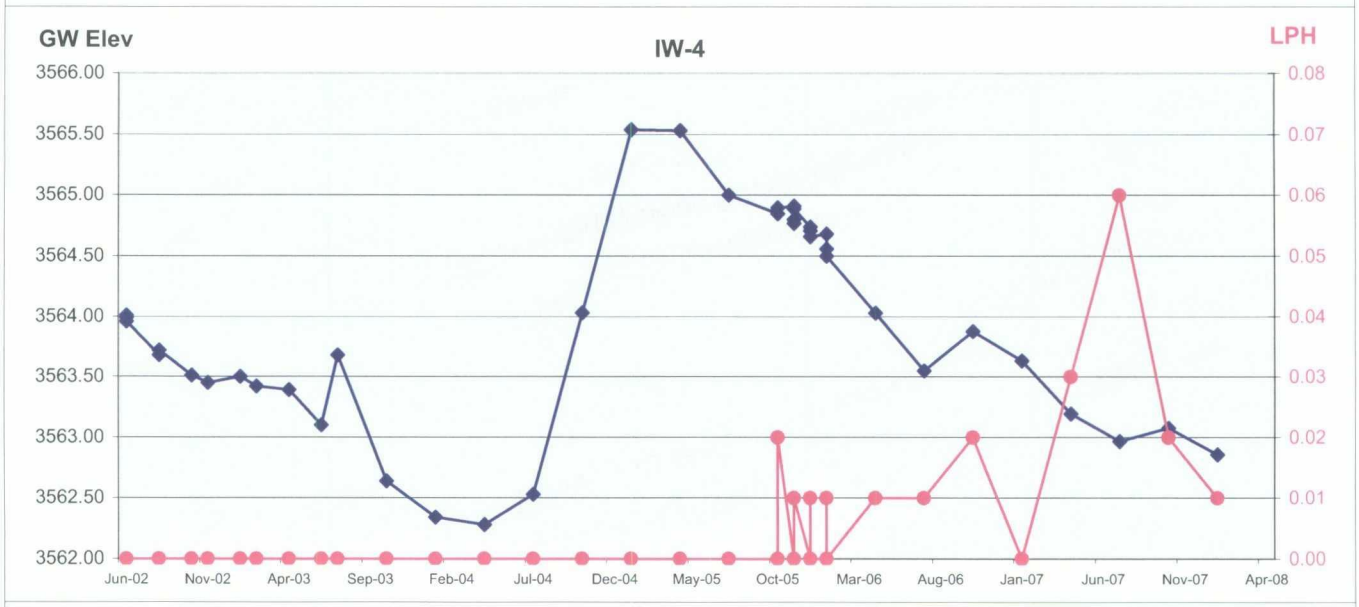


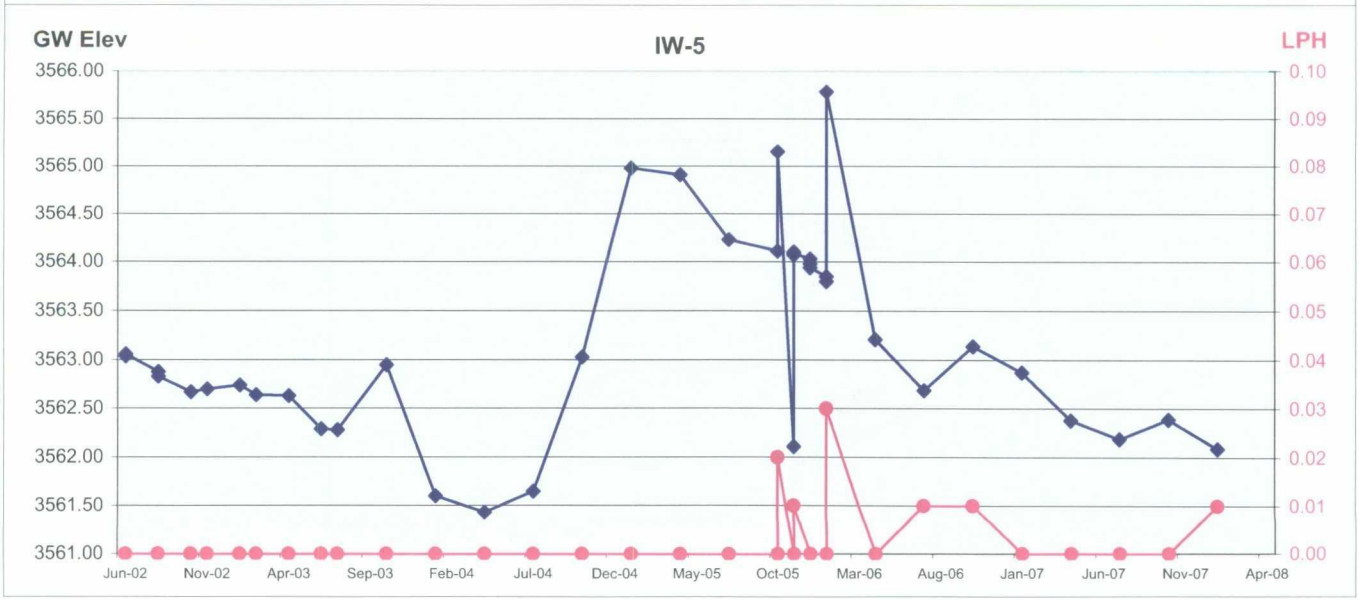




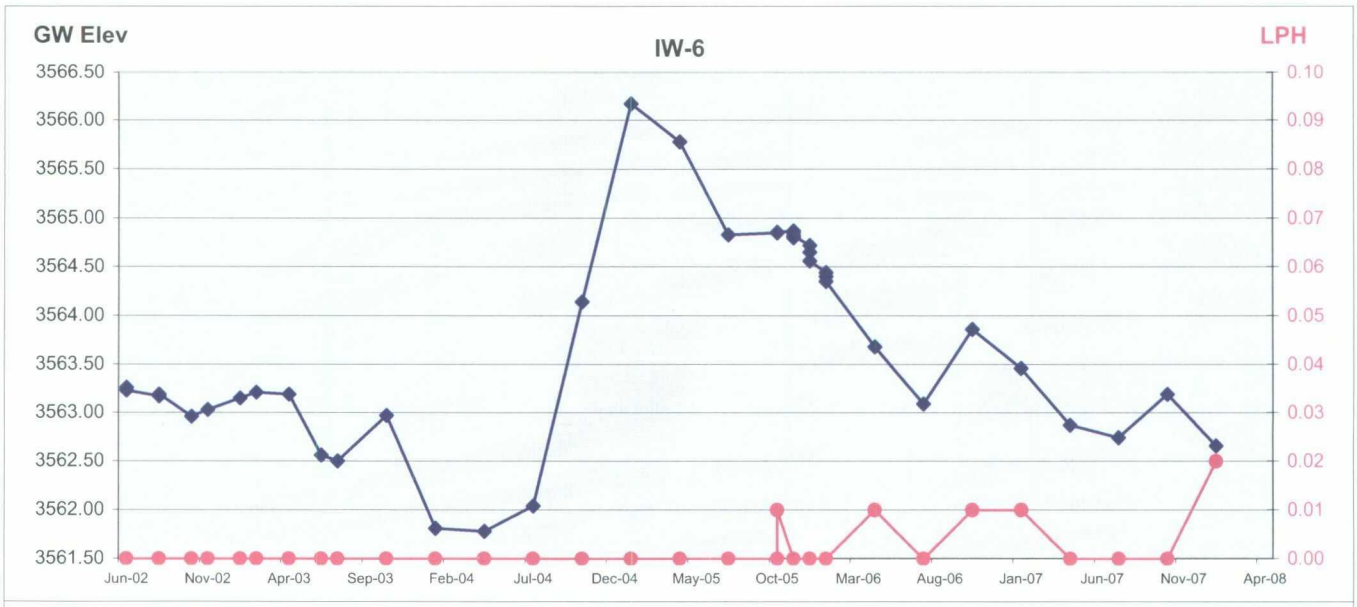
Hydrograph Charts
ConocoPhillips - Line NM1-1

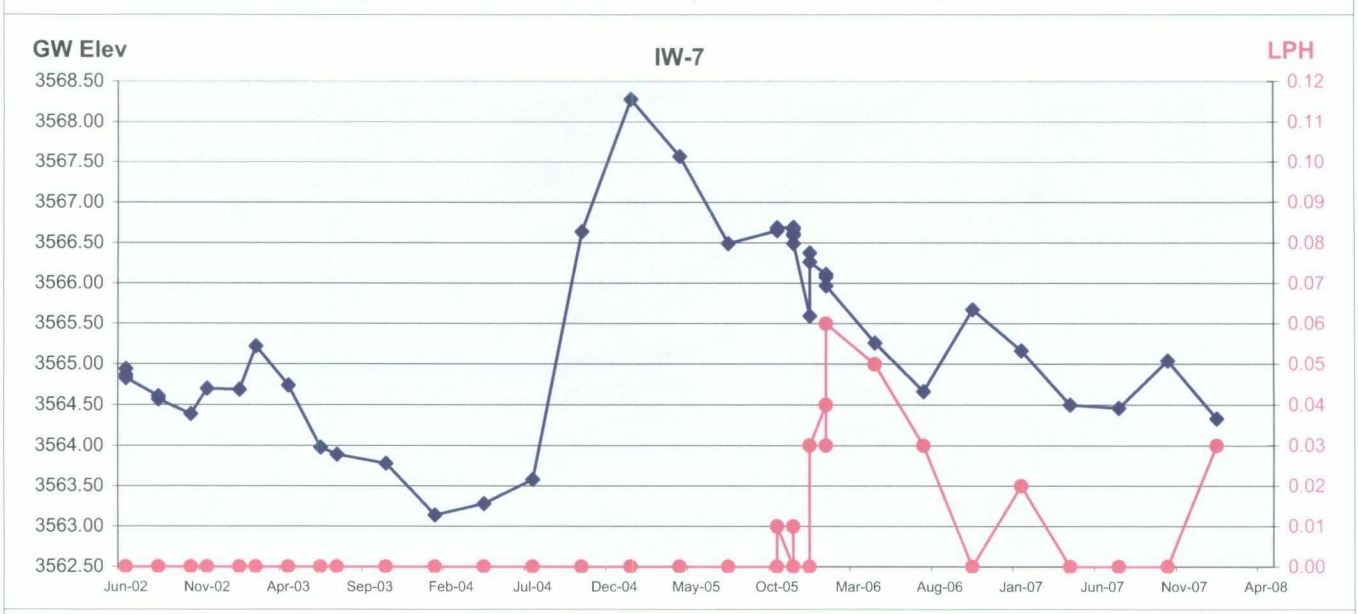


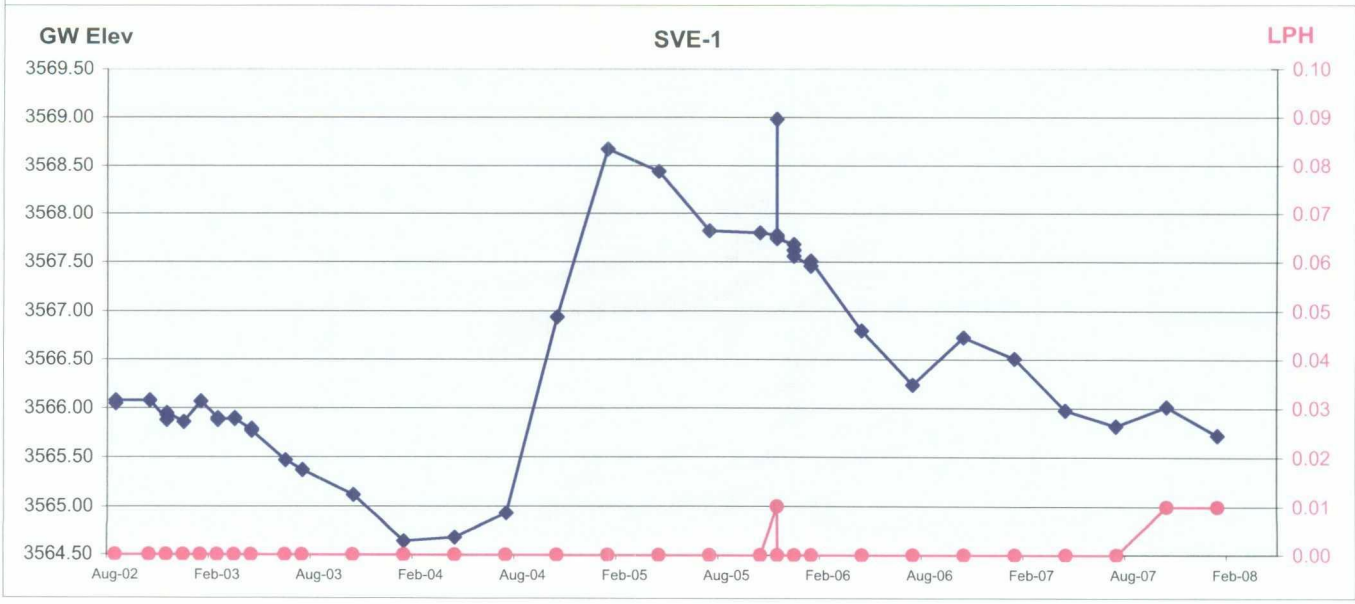




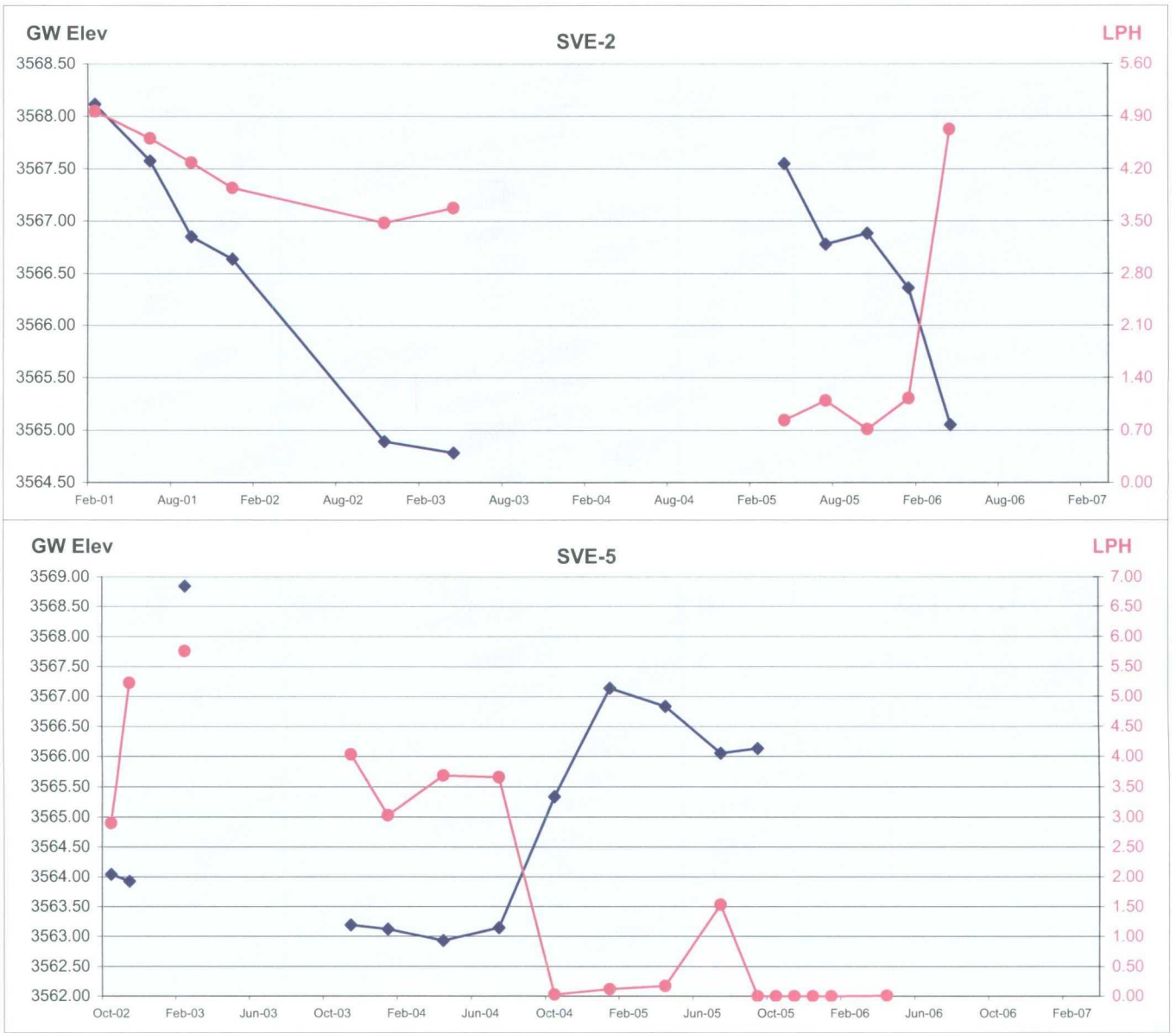
Hydrograph Charts
ConocoPhillips - Line NM1-1







Hydrograph Charts
ConocoPhillips - Line NM1-1

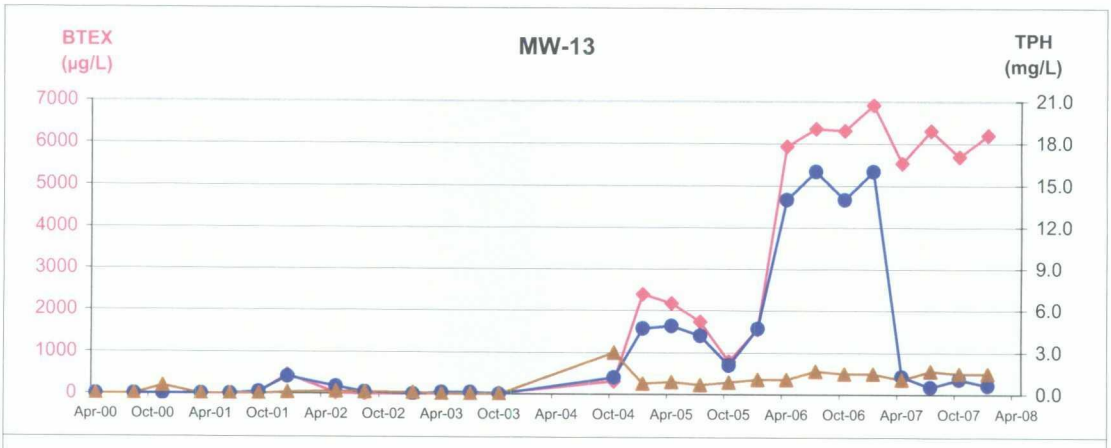


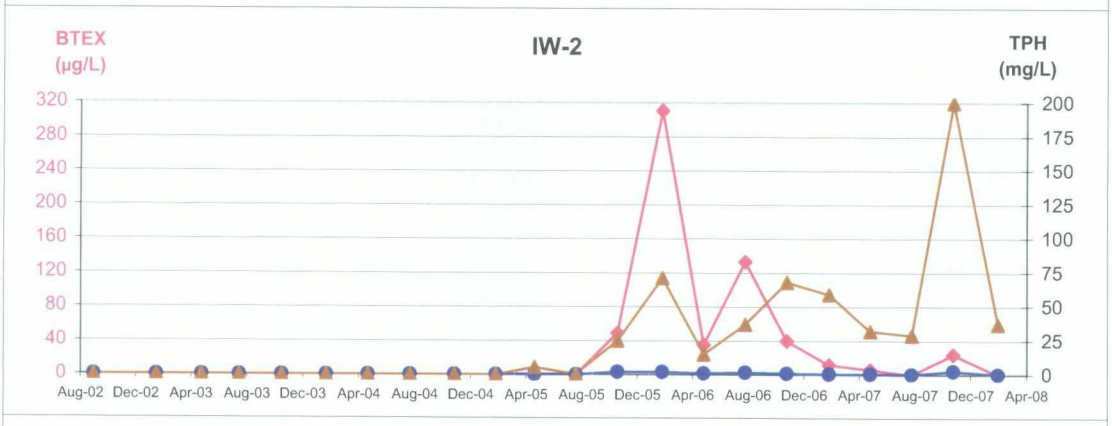
Notes:

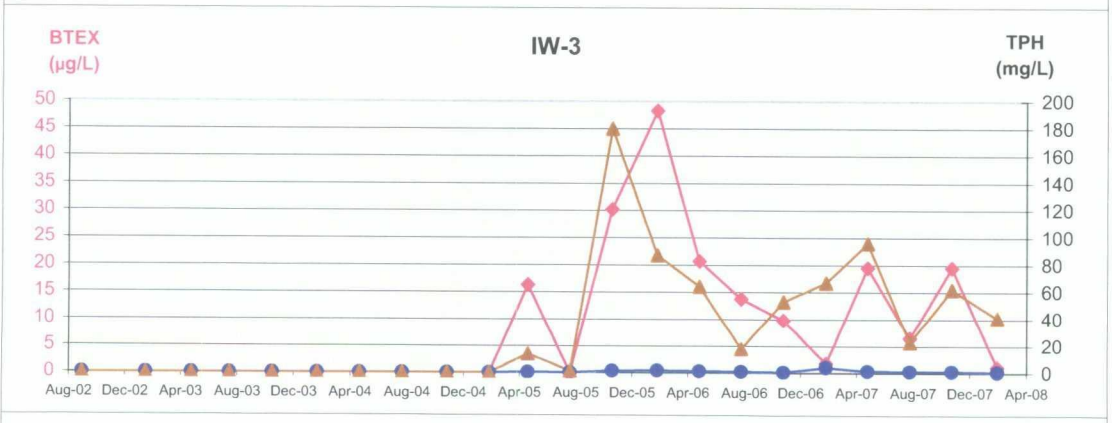
GW Elev = Groundwater elevation in feet above mean sea level

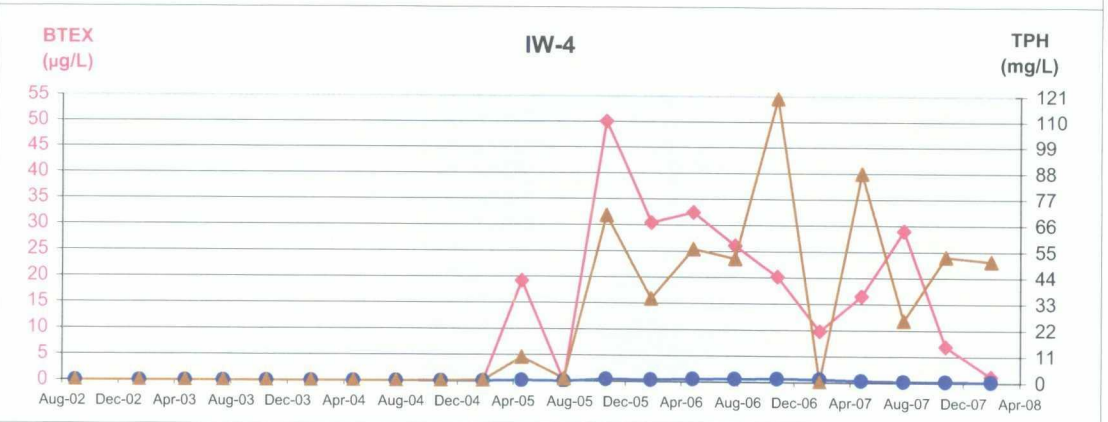
LPH = Liquid phase hydrocarbons thickness in feet

Groundwater Analytical Data Graphs
ConocoPhillips - Line NM1-1
Hobbs, New Mexico









Groundwater Analytical Data Graphs
ConocoPhillips - Line NM1-1
Hobbs, New Mexico

Notes:
BTEX = Total benzene, toluene, ethylbenzene, xylenes
TPH = Total petroleum hydrocarbons
µg/L = Micrograms per liter
mg/L = Milligrams per liter

APPENDIX B
Laboratory Analytical Data

SEVERN TRENT STL Leaders in Environmental Testing

Certificate of Analysis

STL Austin • 14050 Summit Drive, Suite A100, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: I7D250161

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

May 14, 2007

Case Narrative

STL LOT NUMBER: **I7D250161**

This report contains the analytical results for the 10 samples received under chain of custody by Severn Trent Laboratories (STL) on April 25, 2007. These samples are associated with your 3374 Line NM1-1 Remediation project.

All samples were received in good condition and within temperature requirements.

During concentration, both the 8270 and DRO extracts of all samples except 001 and 007 became dark and thick and would not concentrate down to the routine final volume of 1 ml which resulted in elevated reporting limits.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 512-310-5318.

EXECUTIVE SUMMARY - Detection Highlights

I7D250161

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-1 04/24/07 07:12 001				
Boron - DISSOLVED	0.23	0.20	mg/L	SW846 6010B
Total Dissolved Solids	656	40.0	mg/L	MCAWW 160.1
Chloride	124	20.0	mg/L	MCAWW 300.0A
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A
IW-2 04/24/07 07:45 002				
Diesel Range Organics	32	0.50	mg/L	SW846 8015B
Gasoline Range Organics	0.45	0.10	mg/L	SW846 8015B
Ethylbenzene	6.1	1.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.017	0.010	mg/L	SW846 6010B
Iron - DISSOLVED	0.33	0.10	mg/L	SW846 6010B
Total Dissolved Solids	544	40.0	mg/L	MCAWW 160.1
Chloride	82.0	20.0	mg/L	MCAWW 300.0A
Fluoride	1.0	1.0	mg/L	MCAWW 300.0A
IW-3 04/24/07 08:15 003				
Diesel Range Organics	96	0.50	mg/L	SW846 8015B
Gasoline Range Organics	1.4	0.10	mg/L	SW846 8015B
Benzene	2.8	1.0	ug/L	SW846 8021B
Ethylbenzene	13	1.0	ug/L	SW846 8021B
Xylenes (total)	3.7	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.013	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.67	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.60	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.074	0.015	mg/L	SW846 6010B
Total Dissolved Solids	599	40.0	mg/L	MCAWW 160.1
Chloride	93.1	20.0	mg/L	MCAWW 300.0A
IW-4 04/24/07 08:45 004				
Diesel Range Organics	88	0.50	mg/L	SW846 8015B
Gasoline Range Organics	0.88	0.10	mg/L	SW846 8015B
Benzene	2.1	1.0	ug/L	SW846 8021B
Ethylbenzene	9.8	1.0	ug/L	SW846 8021B
Xylenes (total)	4.6	3.0	ug/L	SW846 8021B
Barium - DISSOLVED	1.1	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.87	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.23	0.015	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7D250161

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-4 04/24/07 08:45 004				
Total Dissolved Solids	520	40.0	mg/L	MCAWW 160.1
Chloride	56.2	20.0	mg/L	MCAWW 300.0A
IW-5 04/24/07 09:10 005				
Diesel Range Organics	48	0.50	mg/L	SW846 8015B
Gasoline Range Organics	0.59	0.10	mg/L	SW846 8015B
Benzene	1.5	1.0	ug/L	SW846 8021B
Ethylbenzene	5.9	1.0	ug/L	SW846 8021B
Barium - DISSOLVED	0.41	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.21	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.0	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.14	0.015	mg/L	SW846 6010B
Total Dissolved Solids	720	40.0	mg/L	MCAWW 160.1
Chloride	138	20.0	mg/L	MCAWW 300.0A
IW-7 04/24/07 09:50 006				
Diesel Range Organics	67	0.50	mg/L	SW846 8015B
Gasoline Range Organics	1.2	0.10	mg/L	SW846 8015B
Ethylbenzene	11	1.0	ug/L	SW846 8021B
Xylenes (total)	5.5	3.0	ug/L	SW846 8021B
Barium - DISSOLVED	0.30	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.26	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.45	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.055	0.015	mg/L	SW846 6010B
Total Dissolved Solids	640	40.0	mg/L	MCAWW 160.1
Chloride	92.6	20.0	mg/L	MCAWW 300.0A
MW-13 04/24/07 10:15 007				
Diesel Range Organics	1.3	0.048	mg/L	SW846 8015B
Gasoline Range Organics	16	1.0	mg/L	SW846 8015B
Benzene	5100	25	ug/L	SW846 8021B
Ethylbenzene	430	25	ug/L	SW846 8021B
Xylenes (total)	11	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.026	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	2.3	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.28	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	2.7	0.10	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7D250161

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-13 04/24/07 10:15 007				
Manganese - DISSOLVED	0.16	0.015	mg/L	SW846 6010B
Naphthalene	50	9.6	ug/L	SW846 8270C
Total Dissolved Solids	705	40.0	mg/L	MCAWW 160.1
Chloride	55.9	20.0	mg/L	MCAWW 300.0A
Fluoride	1.1	1.0	mg/L	MCAWW 300.0A
EW-2 04/24/07 12:00 008				
Diesel Range Organics	1600	4.8	mg/L	SW846 8015B
Gasoline Range Organics	12	2.5	mg/L	SW846 8015B
Benzene	2600	25	ug/L	SW846 8021B
Ethylbenzene	400	25	ug/L	SW846 8021B
Toluene	54	25	ug/L	SW846 8021B
Xylenes (total)	570	75	ug/L	SW846 8021B
Barium - DISSOLVED	2.7	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	8.7	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.22	0.015	mg/L	SW846 6010B
Zinc - DISSOLVED	0.023	0.020	mg/L	SW846 6010B
Total Dissolved Solids	623	40.0	mg/L	MCAWW 160.1
Chloride	77.6	20.0	mg/L	MCAWW 300.0A
DUP-1 04/24/07 009				
Diesel Range Organics	1.3	0.049	mg/L	SW846 8015B
Gasoline Range Organics	16	2.5	mg/L	SW846 8015B
Benzene	5300	25	ug/L	SW846 8021B
Ethylbenzene	430	25	ug/L	SW846 8021B
Xylenes (total)	10	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.024	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	2.5	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.28	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	2.8	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.17	0.015	mg/L	SW846 6010B
Naphthalene	52	9.8	ug/L	SW846 8270C
Total Dissolved Solids	697	40.0	mg/L	MCAWW 160.1
Chloride	56.0	20.0	mg/L	MCAWW 300.0A
Fluoride	1.1	1.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I7D250161

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Metals	SW846 3010A	SW846 6010B
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520	SW846 8015B
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Dissolved Mercury (7470A, Cold Vapor)- Liquid	SW846 7470A	SW846 7470A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B
PURGE AND TRAP	SW846 5030	SW846 8015B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I7D250161

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	William Jenkins	000069
MCAWW 300.0A	David A. Tocher	800002
SW846 6010B	Hamid Davoudi	038010
SW846 6010B	Kristen Sporleder	402438
SW846 7470A	Sydney F. Powers	402637
SW846 8015B	Eddie Reyes	036028
SW846 8015B	Todd Plybon	000059
SW846 8021B	Todd Plybon	000059
SW846 8270C	Mark Malloy	001515

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I7D250161

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVK7K	001	SVE-1	04/24/07	07:12
JVL6J	002	IW-2	04/24/07	07:45
JVL6Q	003	IW-3	04/24/07	08:15
JVL6R	004	IW-4	04/24/07	08:45
JVL6T	005	IW-5	04/24/07	09:10
JVL64	006	IW-7	04/24/07	09:50
JVL66	007	MW-13	04/24/07	10:15
JVL68	008	EW-2	04/24/07	12:00
JVL7D	009	DUP-1	04/24/07	
JVL7E	010	TRIP BLANK	04/24/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I7D250161

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7116547	7116277
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122
002	WATER	MCAWW 160.1		7116547	7116277
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122
003	WATER	MCAWW 160.1		7116547	7116277
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122
004	WATER	MCAWW 160.1		7117360	7117221
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I7D250161

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
005	WATER	MCAWW 160.1		7117360	7117221
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122
006	WATER	MCAWW 160.1		7117360	7117221
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122
007	WATER	MCAWW 160.1		7120515	7120280
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7129065	7129040
008	WATER	MCAWW 160.1		7120515	7120280
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I7D250161

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
009	WATER	MCAWW 160.1		7120515	7120280
	WATER	MCAWW 300.0A		7125028	7125012
	WATER	MCAWW 300.0A		7125027	7125011
	WATER	SW846 8015B		7120543	7120318
	WATER	SW846 8015B		7128201	7128134
	WATER	SW846 7470A		7122561	7122340
	WATER	SW846 8270C		7120551	7120306
	WATER	SW846 6010B		7116499	7116258
	WATER	SW846 6010B		7120480	7120250
	WATER	SW846 8021B		7128190	7128122
	WATER	SW846 8021B		7129065	7129040
010	WATER	SW846 8021B		7128190	7128122

ConocoPhillips Company

Client Sample ID: SVE-1

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-001 Work Order #...: JVK7K1A3 Matrix.....: WATER
Date Sampled...: 04/24/07 07:12 Date Received..: 04/25/07 08:30
Prep Date.....: 04/30/07 Analysis Date..: 05/04/07
Prep Batch #...: 7120551 Analysis Time..: 15:49
Dilution Factor: 0.99

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.9	ug/L
Acenaphthylene	ND	9.9	ug/L
Anthracene	ND	9.9	ug/L
Benzo(a)anthracene	ND	9.9	ug/L
Benzo(a)pyrene	ND	9.9	ug/L
Benzo(b)fluoranthene	ND	9.9	ug/L
Benzo(ghi)perylene	ND	9.9	ug/L
Benzo(k)fluoranthene	ND	9.9	ug/L
Chrysene	ND	9.9	ug/L
Dibenz(a,h)anthracene	ND	9.9	ug/L
Fluoranthene	ND	9.9	ug/L
Fluorene	ND	9.9	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.9	ug/L
Naphthalene	ND	9.9	ug/L
Phenanthrene	ND	9.9	ug/L
Pyrene	ND	9.9	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(28 - 120)
2-Fluorobiphenyl	74	(23 - 119)
Terphenyl-d14	80	(10 - 123)
2-Fluorophenol	69	(22 - 121)
Phenol-d5	68	(34 - 117)
2,4,6-Tribromophenol	79	(33 - 124)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I7D250161-001	**Work Order #...:** JVK7K1AA	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 07:12	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 05/07/07	**Analysis Date..:** 05/07/07		
Prep Batch #...: 7128201	**Analysis Time..:** 12:13		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I7D250161-001 **Work Order #...:** JVK7K1AD **Matrix.....:** WATER
Date Sampled...: 04/24/07 07:12 **Date Received..:** 04/25/07 08:30
Prep Date.....: 05/07/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7128190 **Analysis Time..:** 12:13
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(59 - 157)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Semivolatiles

Lot-Sample #...: I7D250161-001	**Work Order #...:** JVK7K1AC	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 07:12	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 04/30/07	**Analysis Date..:** 05/04/07		
Prep Batch #...: 7120543	**Analysis Time..:** 13:13		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	78	(48 - 153)
Dotriacontane	88	(35 - 143)

ConocoPhillips Company

Client Sample ID: SVE-1

DISSOLVED Metals

Lot-Sample #...: I7D250161-001 Matrix.....: WATER
Date Sampled...: 04/24/07 07:12 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVK7K1A2
		Dilution Factor: 1		Analysis Time..: 14:58		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AH
		Dilution Factor: 1		Analysis Time..: 14:10		
Arsenic	ND	0.010	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AJ
		Dilution Factor: 1		Analysis Time..: 14:10		
Barium	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AK
		Dilution Factor: 1		Analysis Time..: 14:10		
Boron	**0.23**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVK7K1AL**
		Dilution Factor: 1		Analysis Time..: 14:10		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AM
		Dilution Factor: 1		Analysis Time..: 14:10		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AN
		Dilution Factor: 1		Analysis Time..: 14:10		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AP
		Dilution Factor: 1		Analysis Time..: 14:10		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AQ
		Dilution Factor: 1		Analysis Time..: 14:10		
Iron	ND	0.10	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AR
		Dilution Factor: 1		Analysis Time..: 14:10		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AT
		Dilution Factor: 1		Analysis Time..: 14:10		
Manganese	ND	0.015	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AU
		Dilution Factor: 1		Analysis Time..: 14:10		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AV
		Dilution Factor: 1		Analysis Time..: 14:10		

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ConocoPhillips Company

Client Sample ID: SVE-1

DISSOLVED Metals

Lot-Sample #...: I7D250161-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AW
		Dilution Factor: 1		Analysis Time..: 14:10		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1AX
		Dilution Factor: 1		Analysis Time..: 14:10		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1A0
		Dilution Factor: 1		Analysis Time..: 14:10		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVK7K1A1
		Dilution Factor: 1		Analysis Time..: 14:10		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVK7K1A4
		Dilution Factor: 1		Analysis Time..: 13:46		

ConocoPhillips Company

Client Sample ID: SVE-1

General Chemistry

Lot-Sample #...: I7D250161-001 Work Order #...: JVK7K Matrix.....: WATER
Date Sampled...: 04/24/07 07:12 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	124	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
	Dilution Factor: 20			Analysis Time..: 15:35		
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
	Dilution Factor: 1			Analysis Time..: 09:05		
Total Dissolved Solids	656	40.0	mg/L	MCAWW 160.1	04/26/07	7116547
	Dilution Factor: 1			Analysis Time..: 17:38		

ConocoPhillips Company

Client Sample ID: IW-2

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-002 Work Order #...: JVL6J1AE Matrix.....: WATER
Date Sampled...: 04/24/07 07:45 Date Received..: 04/25/07 08:30
Prep Date.....: 04/30/07 Analysis Date..: 05/07/07
Prep Batch #...: 7120551 Analysis Time..: 18:50
Dilution Factor: 23.81

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	240	ug/L
Acenaphthylene	ND	240	ug/L
Anthracene	ND	240	ug/L
Benzo(a)anthracene	ND	240	ug/L
Benzo(a)pyrene	ND	240	ug/L
Benzo(b)fluoranthene	ND	240	ug/L
Benzo(ghi)perylene	ND	240	ug/L
Benzo(k)fluoranthene	ND	240	ug/L
Chrysene	ND	240	ug/L
Dibenz(a,h)anthracene	ND	240	ug/L
Fluoranthene	ND	240	ug/L
Fluorene	ND	240	ug/L
Indeno(1,2,3-cd)pyrene	ND	240	ug/L
Naphthalene	ND	240	ug/L
Phenanthrene	ND	240	ug/L
Pyrene	ND	240	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83 DIL	(28 - 120)
2-Fluorobiphenyl	99 DIL	(23 - 119)
Terphenyl-d14	107 DIL	(10 - 123)
2-Fluorophenol	76 DIL	(22 - 121)
Phenol-d5	80 DIL	(34 - 117)
2,4,6-Tribromophenol	87 DIL	(33 - 124)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits due to matrix interference.

The extract could not be concentrated to the required level and resulted in elevated reporting limits.

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I7D250161-002 Work Order #...: JVL6J1AG Matrix.....: WATER
Date Sampled...: 04/24/07 07:45 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128201 Analysis Time..: 12:41
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.45	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I7D250161-002 **Work Order #...:** JVL6J1AJ **Matrix.....:** WATER
Date Sampled...: 04/24/07 07:45 **Date Received..:** 04/25/07 08:30
Prep Date.....: 05/07/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7128190 **Analysis Time..:** 12:41
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	**6.1**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	111	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-2

GC Semivolatiles

Lot-Sample #...: I7D250161-002	Work Order #...: JVL6J1AH	Matrix.....: WATER	
Date Sampled...: 04/24/07 07:45	Date Received..: 04/25/07 08:30		
Prep Date.....: 04/30/07	Analysis Date..: 05/04/07		
Prep Batch #...: 7120543	Analysis Time..: 15:27		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	32	0.50	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-2

DISSOLVED Metals

Lot-Sample #...: I7D250161-002 **Matrix.....:** WATER
Date Sampled...: 04/24/07 07:45 **Date Received..:** 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL6J1AD
		Dilution Factor: 1		Analysis Time..: 15:18		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AN
		Dilution Factor: 1		Analysis Time..: 14:14		
Arsenic	**0.017**	**0.010**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6J1AP**
		Dilution Factor: 1		Analysis Time..: 14:14		
Barium	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AQ
		Dilution Factor: 1		Analysis Time..: 14:14		
Boron	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AR
		Dilution Factor: 1		Analysis Time..: 14:14		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AT
		Dilution Factor: 1		Analysis Time..: 14:14		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AU
		Dilution Factor: 1		Analysis Time..: 14:14		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AV
		Dilution Factor: 1		Analysis Time..: 14:14		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AW
		Dilution Factor: 1		Analysis Time..: 14:14		
Iron	**0.33**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6J1AX**
		Dilution Factor: 1		Analysis Time..: 14:14		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1A0
		Dilution Factor: 1		Analysis Time..: 14:14		
Manganese	ND	0.015	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1A1
		Dilution Factor: 1		Analysis Time..: 14:14		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1A2
		Dilution Factor: 1		Analysis Time..: 14:14		

(Continued on next page)

ConocoPhillips Company

Client Sample ID: IW-2

DISSOLVED Metals

Lot-Sample #...: I7D250161-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1A3
		Dilution Factor: 1		Analysis Time..: 14:14		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1A4
		Dilution Factor: 1		Analysis Time..: 14:14		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AA
		Dilution Factor: 1		Analysis Time..: 14:14		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL6J1AC
		Dilution Factor: 1		Analysis Time..: 14:14		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL6J1AF
		Dilution Factor: 1		Analysis Time..: 13:47		

ConocoPhillips Company

Client Sample ID: IW-2

General Chemistry

Lot-Sample #...: I7D250161-002 Work Order #...: JVL6J Matrix.....: WATER
Date Sampled...: 04/24/07 07:45 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	82.0	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 16:20		
Fluoride	1.0	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 09:50		
Total Dissolved Solids	544	40.0	mg/L	MCAWW 160.1	04/26/07	7116547
		Dilution Factor: 1		Analysis Time..: 17:40		

ConocoPhillips Company

Client Sample ID: IW-3

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-003 **Work Order #...:** JVL6Q1AE **Matrix.....:** WATER
Date Sampled...: 04/24/07 08:15 **Date Received..:** 04/25/07 08:30
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120551 **Analysis Time..:** 19:51
Dilution Factor: 48.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	480	ug/L
Acenaphthylene	ND	480	ug/L
Anthracene	ND	480	ug/L
Benzo(a)anthracene	ND	480	ug/L
Benzo(a)pyrene	ND	480	ug/L
Benzo(b)fluoranthene	ND	480	ug/L
Benzo(ghi)perylene	ND	480	ug/L
Benzo(k)fluoranthene	ND	480	ug/L
Chrysene	ND	480	ug/L
Dibenz(a,h)anthracene	ND	480	ug/L
Fluoranthene	ND	480	ug/L
Fluorene	ND	480	ug/L
Indeno(1,2,3-cd)pyrene	ND	480	ug/L
Naphthalene	ND	480	ug/L
Phenanthrene	ND	480	ug/L
Pyrene	ND	480	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	93 DIL	(28 - 120)
2-Fluorobiphenyl	110 DIL	(23 - 119)
Terphenyl-d14	121 DIL	(10 - 123)
2-Fluorophenol	70 DIL	(22 - 121)
Phenol-d5	87 DIL	(34 - 117)
2,4,6-Tribromophenol	78 DIL	(33 - 124)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits due to matrix interference.

The extract could not be concentrated to the required level and resulted in elevated reporting limits.

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I7D250161-003	**Work Order #...:** JVL6Q1AG	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 08:15	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 05/07/07	**Analysis Date..:** 05/07/07		
Prep Batch #...: 7128201	**Analysis Time..:** 13:09		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**1.4**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	89	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I7D250161-003 Work Order #...: JVL6Q1AJ Matrix.....: WATER
Date Sampled...: 04/24/07 08:15 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 13:09
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**2.8**	**1.0**	**ug/L**
Ethylbenzene	**13**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**3.7**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	116	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-3

GC Semivolatiles

Lot-Sample #...: I7D250161-003	Work Order #...: JVL6Q1AH	Matrix.....: WATER	
Date Sampled...: 04/24/07 08:15	Date Received..: 04/25/07 08:30		
Prep Date.....: 04/30/07	Analysis Date..: 05/04/07		
Prep Batch #...: 7120543	Analysis Time..: 16:03		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	96	0.50	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-3

DISSOLVED Metals

Lot-Sample #...: I7D250161-003 Matrix.....: WATER
Date Sampled...: 04/24/07 08:15 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL6Q1AD
		Dilution Factor: 1		Analysis Time..: 15:23		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AN
		Dilution Factor: 1		Analysis Time..: 14:19		
Arsenic	**0.013**	**0.010**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6Q1AP**
		Dilution Factor: 1		Analysis Time..: 14:19		
Barium	**0.67**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6Q1AQ**
		Dilution Factor: 1		Analysis Time..: 14:19		
Boron	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AR
		Dilution Factor: 1		Analysis Time..: 14:19		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AT
		Dilution Factor: 1		Analysis Time..: 14:19		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AU
		Dilution Factor: 1		Analysis Time..: 14:19		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AV
		Dilution Factor: 1		Analysis Time..: 14:19		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AW
		Dilution Factor: 1		Analysis Time..: 14:19		
Iron	**0.60**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6Q1AX**
		Dilution Factor: 1		Analysis Time..: 14:19		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1A0
		Dilution Factor: 1		Analysis Time..: 14:19		
Manganese	**0.074**	**0.015**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6Q1A1**
		Dilution Factor: 1		Analysis Time..: 14:19		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1A2
		Dilution Factor: 1		Analysis Time..: 14:19		

(Continued on next page)

ConocoPhillips Company

Client Sample ID: IW-3

DISSOLVED Metals

Lot-Sample #...: I7D250161-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1A3
		Dilution Factor: 1		Analysis Time..: 14:19		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1A4
		Dilution Factor: 1		Analysis Time..: 14:19		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AA
		Dilution Factor: 1		Analysis Time..: 14:19		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL6Q1AC
		Dilution Factor: 1		Analysis Time..: 14:19		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL6Q1AF
		Dilution Factor: 1		Analysis Time..: 13:52		

ConocoPhillips Company

Client Sample ID: IW-3

General Chemistry

Lot-Sample #...: I7D250161-003 Work Order #...: JVL6Q Matrix.....: WATER
Date Sampled...: 04/24/07 08:15 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	93.1	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 17:05		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 10:05		
Total Dissolved Solids	599	40.0	mg/L	MCAWW 160.1	04/26/07	7116547
		Dilution Factor: 1		Analysis Time..: 17:42		

ConocoPhillips Company

Client Sample ID: IW-4

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-004 **Work Order #...:** JVL6R1AE **Matrix.....:** WATER
Date Sampled...: 04/24/07 08:45 **Date Received..:** 04/25/07 08:30
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120551 **Analysis Time..:** 20:21
Dilution Factor: 48.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	480	ug/L
Acenaphthylene	ND	480	ug/L
Anthracene	ND	480	ug/L
Benzo(a)anthracene	ND	480	ug/L
Benzo(a)pyrene	ND	480	ug/L
Benzo(b)fluoranthene	ND	480	ug/L
Benzo(ghi)perylene	ND	480	ug/L
Benzo(k)fluoranthene	ND	480	ug/L
Chrysene	ND	480	ug/L
Dibenz(a,h)anthracene	ND	480	ug/L
Fluoranthene	ND	480	ug/L
Fluorene	ND	480	ug/L
Indeno(1,2,3-cd)pyrene	ND	480	ug/L
Naphthalene	ND	480	ug/L
Phenanthrene	ND	480	ug/L
Pyrene	ND	480	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90 DIL	(28 - 120)
2-Fluorobiphenyl	104 DIL	(23 - 119)
Terphenyl-d14	116 DIL	(10 - 123)
2-Fluorophenol	70 DIL	(22 - 121)
Phenol-d5	84 DIL	(34 - 117)
2,4,6-Tribromophenol	77 DIL	(33 - 124)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits due to matrix interference.

The extract could not be concentrated to the required level and resulted in elevated reporting limits.

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I7D250161-004 Work Order #...: JVL6R1AG Matrix.....: WATER
Date Sampled...: 04/24/07 08:45 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128201 Analysis Time..: 13:37
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.88	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	91	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I7D250161-004 Work Order #...: JVL6R1AJ Matrix.....: WATER
Date Sampled...: 04/24/07 08:45 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 13:37
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**2.1**	**1.0**	**ug/L**
Ethylbenzene	**9.8**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**4.6**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	125	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-4

GC Semivolatiles

Lot-Sample #...: I7D250161-004	Work Order #...: JVL6R1AH	Matrix.....: WATER	
Date Sampled...: 04/24/07 08:45	Date Received..: 04/25/07 08:30		
Prep Date.....: 04/30/07	Analysis Date..: 05/04/07		
Prep Batch #...: 7120543	Analysis Time..: 16:36		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	88	0.50	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-4

DISSOLVED Metals

Lot-Sample #...: I7D250161-004 **Matrix.....:** WATER
Date Sampled...: 04/24/07 08:45 **Date Received..:** 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL6R1AD
		Dilution Factor: 1		Analysis Time..: 15:28		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AN
		Dilution Factor: 1		Analysis Time..: 14:24		
Arsenic	ND	0.010	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AP
		Dilution Factor: 1		Analysis Time..: 14:24		
Barium	**1.1**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6R1AQ**
		Dilution Factor: 1		Analysis Time..: 14:24		
Boron	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AR
		Dilution Factor: 1		Analysis Time..: 14:24		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AT
		Dilution Factor: 1		Analysis Time..: 14:24		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AU
		Dilution Factor: 1		Analysis Time..: 14:24		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AV
		Dilution Factor: 1		Analysis Time..: 14:24		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AW
		Dilution Factor: 1		Analysis Time..: 14:24		
Iron	**0.87**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6R1AX**
		Dilution Factor: 1		Analysis Time..: 14:24		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1A0
		Dilution Factor: 1		Analysis Time..: 14:24		
Manganese	**0.23**	**0.015**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6R1A1**
		Dilution Factor: 1		Analysis Time..: 14:24		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1A2
		Dilution Factor: 1		Analysis Time..: 14:24		

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ConocoPhillips Company

Client Sample ID: IW-4

DISSOLVED Metals

Lot-Sample #...: I7D250161-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1A3
		Dilution Factor: 1		Analysis Time..: 14:24		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1A4
		Dilution Factor: 1		Analysis Time..: 14:24		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AA
		Dilution Factor: 1		Analysis Time..: 14:24		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL6R1AC
		Dilution Factor: 1		Analysis Time..: 14:24		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL6R1AF
		Dilution Factor: 1		Analysis Time..: 13:54		

ConocoPhillips Company

Client Sample ID: IW-4

General Chemistry

Lot-Sample #...: I7D250161-004 Work Order #...: JVL6R Matrix.....: WATER
Date Sampled...: 04/24/07 08:45 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	56.2	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 17:21		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 10:20		
Total Dissolved Solids	520	40.0	mg/L	MCAWW 160.1	04/27/07	7117360
		Dilution Factor: 1		Analysis Time..: 16:40		

ConocoPhillips Company

Client Sample ID: IW-5

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-005 Work Order #...: JVL6T1AE Matrix.....: WATER
Date Sampled...: 04/24/07 09:10 Date Received..: 04/25/07 08:30
Prep Date.....: 04/30/07 Analysis Date..: 05/04/07
Prep Batch #...: 7120551 Analysis Time..: 20:51
Dilution Factor: 48.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	480	ug/L
Acenaphthylene	ND	480	ug/L
Anthracene	ND	480	ug/L
Benzo(a)anthracene	ND	480	ug/L
Benzo(a)pyrene	ND	480	ug/L
Benzo(b)fluoranthene	ND	480	ug/L
Benzo(ghi)perylene	ND	480	ug/L
Benzo(k)fluoranthene	ND	480	ug/L
Chrysene	ND	480	ug/L
Dibenz(a,h)anthracene	ND	480	ug/L
Fluoranthene	ND	480	ug/L
Fluorene	ND	480	ug/L
Indeno(1,2,3-cd)pyrene	ND	480	ug/L
Naphthalene	ND	480	ug/L
Phenanthrene	ND	480	ug/L
Pyrene	ND	480	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83 DIL	(28 - 120)
2-Fluorobiphenyl	88 DIL	(23 - 119)
Terphenyl-d14	98 DIL	(10 - 123)
2-Fluorophenol	65 DIL	(22 - 121)
Phenol-d5	78 DIL	(34 - 117)
2,4,6-Tribromophenol	75 DIL	(33 - 124)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I7D250161-005	**Work Order #...:** JVL6T1AG	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 09:10	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 05/07/07	**Analysis Date..:** 05/07/07		
Prep Batch #...: 7128201	**Analysis Time..:** 14:05		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**0.59**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	97	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I7D250161-005 Work Order #...: JVL6T1AJ Matrix.....: WATER
Date Sampled...: 04/24/07 09:10 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 14:05
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.5**	**1.0**	**ug/L**
Ethylbenzene	**5.9**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	122	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-5

GC Semivolatiles

Lot-Sample #...: I7D250161-005	Work Order #...: JVL6T1AH	Matrix.....: WATER	
Date Sampled...: 04/24/07 09:10	Date Received..: 04/25/07 08:30		
Prep Date.....: 04/30/07	Analysis Date..: 05/04/07		
Prep Batch #...: 7120543	Analysis Time..: 17:09		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	48	0.50	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-5

DISSOLVED Metals

Lot-Sample #...: I7D250161-005 **Matrix.....:** WATER
Date Sampled...: 04/24/07 09:10 **Date Received..:** 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL6T1AD
		Dilution Factor: 1		Analysis Time..: 15:33		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AN
		Dilution Factor: 1		Analysis Time..: 14:28		
Arsenic	ND	0.010	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AP
		Dilution Factor: 1		Analysis Time..: 14:28		
Barium	**0.41**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6T1AQ**
		Dilution Factor: 1		Analysis Time..: 14:28		
Boron	**0.21**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6T1AR**
		Dilution Factor: 1		Analysis Time..: 14:28		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AT
		Dilution Factor: 1		Analysis Time..: 14:28		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AU
		Dilution Factor: 1		Analysis Time..: 14:28		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AV
		Dilution Factor: 1		Analysis Time..: 14:28		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AW
		Dilution Factor: 1		Analysis Time..: 14:28		
Iron	**1.0**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6T1AX**
		Dilution Factor: 1		Analysis Time..: 14:28		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1A0
		Dilution Factor: 1		Analysis Time..: 14:28		
Manganese	**0.14**	**0.015**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL6T1A1**
		Dilution Factor: 1		Analysis Time..: 14:28		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1A2
		Dilution Factor: 1		Analysis Time..: 14:28		

(Continued on next page)

ConocoPhillips Company

Client Sample ID: IW-5

DISSOLVED Metals

Lot-Sample #...: I7D250161-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1A3
		Dilution Factor: 1		Analysis Time..: 14:28		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1A4
		Dilution Factor: 1		Analysis Time..: 14:28		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AA
		Dilution Factor: 1		Analysis Time..: 14:28		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL6T1AC
		Dilution Factor: 1		Analysis Time..: 14:28		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL6T1AF
		Dilution Factor: 1		Analysis Time..: 13:55		

ConocoPhillips Company

Client Sample ID: IW-5

General Chemistry

Lot-Sample #...: I7D250161-005 Work Order #...: JVL6T Matrix.....: WATER
Date Sampled...: 04/24/07 09:10 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	138	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 17:36		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 11:05		
Total Dissolved Solids	720	40.0	mg/L	MCAWW 160.1	04/27/07	7117360
		Dilution Factor: 1		Analysis Time..: 16:42		

ConocoPhillips Company

Client Sample ID: IW-7

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-006 Work Order #...: JVL641AE Matrix.....: WATER
Date Sampled...: 04/24/07 09:50 Date Received..: 04/25/07 08:30
Prep Date.....: 04/30/07 Analysis Date..: 05/04/07
Prep Batch #...: 7120551 Analysis Time..: 21:22
Dilution Factor: 48.08
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	480	ug/L
Acenaphthylene	ND	480	ug/L
Anthracene	ND	480	ug/L
Benzo(a)anthracene	ND	480	ug/L
Benzo(a)pyrene	ND	480	ug/L
Benzo(b)fluoranthene	ND	480	ug/L
Benzo(ghi)perylene	ND	480	ug/L
Benzo(k)fluoranthene	ND	480	ug/L
Chrysene	ND	480	ug/L
Dibenz(a,h)anthracene	ND	480	ug/L
Fluoranthene	ND	480	ug/L
Fluorene	ND	480	ug/L
Indeno(1,2,3-cd)pyrene	ND	480	ug/L
Naphthalene	ND	480	ug/L
Phenanthrene	ND	480	ug/L
Pyrene	ND	480	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	88 DIL	(28 - 120)
2-Fluorobiphenyl	102 DIL	(23 - 119)
Terphenyl-d14	110 DIL	(10 - 123)
2-Fluorophenol	71 DIL	(22 - 121)
Phenol-d5	81 DIL	(34 - 117)
2,4,6-Tribromophenol	72 DIL	(33 - 124)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits due to matrix interference.

The extract could not be concentrated to the required level and resulted in elevated reporting limits.

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I7D250161-006 Work Order #...: JVL641AG Matrix.....: WATER
Date Sampled...: 04/24/07 09:50 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128201 Analysis Time..: 14:32
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	1.2	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	90	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I7D250161-006	**Work Order #...:** JVL641AJ	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 09:50	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 05/07/07	**Analysis Date..:** 05/07/07		
Prep Batch #...: 7128190	**Analysis Time..:** 14:32		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	**11**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**5.5**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	121	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-7

GC Semivolatiles

Lot-Sample #...: I7D250161-006	**Work Order #...:** JVL641AH	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 09:50	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 04/30/07	**Analysis Date..:** 05/04/07		
Prep Batch #...: 7120543	**Analysis Time..:** 17:43		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**67**	**0.50**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-7

DISSOLVED Metals

Lot-Sample #...: I7D250161-006 Matrix.....: WATER
Date Sampled...: 04/24/07 09:50 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL641AD
		Dilution Factor: 1		Analysis Time..: 15:48		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL641AN
		Dilution Factor: 1		Analysis Time..: 14:33		
Arsenic	ND	0.010	mg/L	SW846 6010B	04/30-05/01/07	JVL641AP
		Dilution Factor: 1		Analysis Time..: 14:33		
Barium	**0.30**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL641AQ**
		Dilution Factor: 1		Analysis Time..: 14:33		
Boron	**0.26**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL641AR**
		Dilution Factor: 1		Analysis Time..: 14:33		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL641AT
		Dilution Factor: 1		Analysis Time..: 14:33		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL641AU
		Dilution Factor: 1		Analysis Time..: 14:33		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL641AV
		Dilution Factor: 1		Analysis Time..: 14:33		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL641AW
		Dilution Factor: 1		Analysis Time..: 14:33		
Iron	**0.45**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL641AX**
		Dilution Factor: 1		Analysis Time..: 14:33		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL641A0
		Dilution Factor: 1		Analysis Time..: 14:33		
Manganese	**0.055**	**0.015**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL641A1**
		Dilution Factor: 1		Analysis Time..: 14:33		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL641A2
		Dilution Factor: 1		Analysis Time..: 14:33		

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ConocoPhillips Company

Client Sample ID: IW-7

DISSOLVED Metals

Lot-Sample #...: I7D250161-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL641A3
		Dilution Factor: 1		Analysis Time..: 14:33		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL641A4
		Dilution Factor: 1		Analysis Time..: 14:33		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL641AA
		Dilution Factor: 1		Analysis Time..: 14:33		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL641AC
		Dilution Factor: 1		Analysis Time..: 14:33		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL641AF
		Dilution Factor: 1		Analysis Time..: 13:57		

ConocoPhillips Company

Client Sample ID: IW-7

General Chemistry

Lot-Sample #...: I7D250161-006 Work Order #...: JVL64 Matrix.....: WATER
Date Sampled...: 04/24/07 09:50 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	92.6	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 17:51		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 11:20		
Total Dissolved Solids	640	40.0	mg/L	MCAWW 160.1	04/27/07	7117360
		Dilution Factor: 1		Analysis Time..: 16:44		

ConocoPhillips Company

Client Sample ID: MW-13

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-007 **Work Order #...:** JVL661AE **Matrix.....:** WATER
Date Sampled...: 04/24/07 10:15 **Date Received..:** 04/25/07 08:30
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120551 **Analysis Time..:** 21:52
Dilution Factor: 0.96

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.6	ug/L
Acenaphthylene	ND	9.6	ug/L
Anthracene	ND	9.6	ug/L
Benzo(a)anthracene	ND	9.6	ug/L
Benzo(a)pyrene	ND	9.6	ug/L
Benzo(b)fluoranthene	ND	9.6	ug/L
Benzo(ghi)perylene	ND	9.6	ug/L
Benzo(k)fluoranthene	ND	9.6	ug/L
Chrysene	ND	9.6	ug/L
Dibenz(a,h)anthracene	ND	9.6	ug/L
Fluoranthene	ND	9.6	ug/L
Fluorene	ND	9.6	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.6	ug/L
Naphthalene	**50**	**9.6**	**ug/L**
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(28 - 120)
2-Fluorobiphenyl	73	(23 - 119)
Terphenyl-d14	80	(10 - 123)
2-Fluorophenol	71	(22 - 121)
Phenol-d5	68	(34 - 117)
2,4,6-Tribromophenol	83	(33 - 124)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7D250161-007	Work Order #...: JVL661AG		Matrix.....: WATER
Date Sampled...: 04/24/07 10:15	Date Received..: 04/25/07 08:30		
Prep Date.....: 05/07/07	Analysis Date..: 05/07/07		
Prep Batch #...: 7128201	Analysis Time..: 15:00		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	16	1.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	99	(75 - 122)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7D250161-007 Work Order #...: JVL662AJ Matrix.....: WATER
Date Sampled...: 04/24/07 10:15 Date Received..: 04/25/07 08:30
Prep Date.....: 05/08/07 Analysis Date..: 05/08/07
Prep Batch #...: 7129065 Analysis Time..: 16:08
Dilution Factor: 25

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	5100	25	ug/L
Ethylbenzene	430	25	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	110	(59 - 157)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7D250161-007	**Work Order #...:** JVL663AJ	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 10:15	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 05/08/07	**Analysis Date..:** 05/08/07		
Prep Batch #...: 7129065	**Analysis Time..:** 16:36		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	**11**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	113	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	307 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogate outside acceptance criteria due to large target hit. Surro gates inside criteria at higher dilution.

ConocoPhillips Company

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...: I7D250161-007	**Work Order #...:** JVL661AH	**Matrix.....:** WATER	
Date Sampled...: 04/24/07 10:15	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 04/30/07	**Analysis Date..:** 05/04/07		
Prep Batch #...: 7120543	**Analysis Time..:** 18:16		
Dilution Factor: 0.95			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**1.3**	**0.048**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	90	(48 - 153)
Dotriacontane	96	(35 - 143)

ConocoPhillips Company

Client Sample ID: MW-13

DISSOLVED Metals

Lot-Sample #...: I7D250161-007 Matrix.....: WATER
Date Sampled...: 04/24/07 10:15 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL661AD
		Dilution Factor: 1		Analysis Time..: 15:53		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL661AN
		Dilution Factor: 1		Analysis Time..: 14:38		
Arsenic	**0.026**	**0.010**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL661AP**
		Dilution Factor: 1		Analysis Time..: 14:38		
Barium	**2.3**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL661AQ**
		Dilution Factor: 1		Analysis Time..: 14:38		
Boron	**0.28**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL661AR**
		Dilution Factor: 1		Analysis Time..: 14:38		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL661AT
		Dilution Factor: 1		Analysis Time..: 14:38		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL661AU
		Dilution Factor: 1		Analysis Time..: 14:38		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL661AV
		Dilution Factor: 1		Analysis Time..: 14:38		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL661AW
		Dilution Factor: 1		Analysis Time..: 14:38		
Iron	**2.7**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL661AX**
		Dilution Factor: 1		Analysis Time..: 14:38		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL661A0
		Dilution Factor: 1		Analysis Time..: 14:38		
Manganese	**0.16**	**0.015**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL661A1**
		Dilution Factor: 1		Analysis Time..: 14:38		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL661A2
		Dilution Factor: 1		Analysis Time..: 14:38		

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ConocoPhillips Company

Client Sample ID: MW-13

DISSOLVED Metals

Lot-Sample #...: I7D250161-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL661A3
		Dilution Factor: 1		Analysis Time..: 14:38		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL661A4
		Dilution Factor: 1		Analysis Time..: 14:38		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL661AA
		Dilution Factor: 1		Analysis Time..: 14:38		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL661AC
		Dilution Factor: 1		Analysis Time..: 14:38		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL661AF
		Dilution Factor: 1		Analysis Time..: 13:58		

ConocoPhillips Company

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I7D250161-007 Work Order #...: JVL66 Matrix.....: WATER
Date Sampled...: 04/24/07 10:15 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	55.9	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 18:06		
Fluoride	1.1	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 11:35		
Total Dissolved Solids	705	40.0	mg/L	MCAWW 160.1	04/30/07	7120515
		Dilution Factor: 1		Analysis Time..: 16:31		

ConocoPhillips Company

Client Sample ID: EW-2

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-008 Work Order #...: JVL681AE Matrix.....: WATER
Date Sampled...: 04/24/07 12:00 Date Received..: 04/25/07 08:30
Prep Date.....: 04/30/07 Analysis Date..: 05/08/07
Prep Batch #...: 7120551 Analysis Time..: 14:22
Dilution Factor: 384.61

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	3800	ug/L
Acenaphthylene	ND	3800	ug/L
Anthracene	ND	3800	ug/L
Benzo(a)anthracene	ND	3800	ug/L
Benzo(a)pyrene	ND	3800	ug/L
Benzo(b)fluoranthene	ND	3800	ug/L
Benzo(ghi)perylene	ND	3800	ug/L
Benzo(k)fluoranthene	ND	3800	ug/L
Chrysene	ND	3800	ug/L
Dibenz(a,h)anthracene	ND	3800	ug/L
Fluoranthene	ND	3800	ug/L
Fluorene	ND	3800	ug/L
Indeno(1,2,3-cd)pyrene	ND	3800	ug/L
Naphthalene	ND	3800	ug/L
Phenanthrene	ND	3800	ug/L
Pyrene	ND	3800	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,SRD	(28 - 120)
2-Fluorobiphenyl	NC,SRD	(23 - 119)
Terphenyl-d14	NC,SRD	(10 - 123)
2-Fluorophenol	NC,SRD	(22 - 121)
Phenol-d5	NC,SRD	(34 - 117)
2,4,6-Tribromophenol	NC,SRD	(33 - 124)

NOTE(S):

NC The recovery and/or RPD were not calculated.

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7D250161-008 Work Order #...: JVL681AG Matrix.....: WATER
Date Sampled...: 04/24/07 12:00 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128201 Analysis Time..: 15:28
Dilution Factor: 25

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	12	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	99	(75 - 122)

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7D250161-008 Work Order #...: JVL681AJ Matrix.....: WATER
Date Sampled...: 04/24/07 12:00 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 15:28
Dilution Factor: 25

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	2600	25	ug/L
Ethylbenzene	400	25	ug/L
Toluene	54	25	ug/L
Xylenes (total)	570	75	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	104	(59 - 157)

ConocoPhillips Company

Client Sample ID: EW-2

GC Semivolatiles

Lot-Sample #...: I7D250161-008	Work Order #...: JVL681AH	Matrix.....: WATER	
Date Sampled...: 04/24/07 12:00	Date Received..: 04/25/07 08:30		
Prep Date.....: 04/30/07	Analysis Date..: 05/07/07		
Prep Batch #...: 7120543	Analysis Time..: 16:55		
Dilution Factor: 95			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1600	4.8	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: EW-2

DISSOLVED Metals

Lot-Sample #...: I7D250161-008 **Matrix.....:** WATER
Date Sampled...: 04/24/07 12:00 **Date Received..:** 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVL681AD
		Dilution Factor: 1		Analysis Time..: 15:57		
Prep Batch #...: 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL681AN
		Dilution Factor: 1		Analysis Time..: 14:52		
Arsenic	ND	0.010	mg/L	SW846 6010B	04/30-05/01/07	JVL681AP
		Dilution Factor: 1		Analysis Time..: 14:52		
Barium	**2.7**	**0.20**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL681AQ**
		Dilution Factor: 1		Analysis Time..: 14:52		
Boron	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JVL681AR
		Dilution Factor: 1		Analysis Time..: 14:52		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JVL681AT
		Dilution Factor: 1		Analysis Time..: 14:52		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL681AU
		Dilution Factor: 1		Analysis Time..: 14:52		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JVL681AV
		Dilution Factor: 1		Analysis Time..: 14:52		
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JVL681AW
		Dilution Factor: 1		Analysis Time..: 14:52		
Iron	**8.7**	**0.10**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL681AX**
		Dilution Factor: 1		Analysis Time..: 14:52		
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JVL681A0
		Dilution Factor: 1		Analysis Time..: 14:52		
Manganese	**0.22**	**0.015**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL681A1**
		Dilution Factor: 1		Analysis Time..: 14:52		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL681A2
		Dilution Factor: 1		Analysis Time..: 14:52		

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ConocoPhillips Company

Client Sample ID: EW-2

DISSOLVED Metals

Lot-Sample #...: I7D250161-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL681A3
		Dilution Factor: 1		Analysis Time..: 14:52		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL681A4
		Dilution Factor: 1		Analysis Time..: 14:52		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL681AA
		Dilution Factor: 1		Analysis Time..: 14:52		
Zinc	**0.023**	**0.020**	**mg/L**	**SW846 6010B**	**04/30-05/01/07**	**JVL681AC**
		Dilution Factor: 1		Analysis Time..: 14:52		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL681AF
		Dilution Factor: 1		Analysis Time..: 14:00		

ConocoPhillips Company

Client Sample ID: EW-2

General Chemistry

Lot-Sample #...: I7D250161-008 Work Order #...: JVL68 Matrix.....: WATER
Date Sampled...: 04/24/07 12:00 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	77.6	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 18:21		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 11:50		
Total Dissolved Solids	623	40.0	mg/L	MCAWW 160.1	04/30/07	7120515
		Dilution Factor: 1		Analysis Time..: 16:33		

ConocoPhillips Company

Client Sample ID: DUP-1

GC/MS Semivolatiles

Lot-Sample #...: I7D250161-009 **Work Order #...:** JVL7D1AE **Matrix.....:** WATER
Date Sampled...: 04/24/07 **Date Received..:** 04/25/07 08:30
Prep Date.....: 04/30/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7120551 **Analysis Time..:** 18:20
Dilution Factor: 0.98

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.8	ug/L
Acenaphthylene	ND	9.8	ug/L
Anthracene	ND	9.8	ug/L
Benzo(a)anthracene	ND	9.8	ug/L
Benzo(a)pyrene	ND	9.8	ug/L
Benzo(b)fluoranthene	ND	9.8	ug/L
Benzo(ghi)perylene	ND	9.8	ug/L
Benzo(k)fluoranthene	ND	9.8	ug/L
Chrysene	ND	9.8	ug/L
Dibenz(a,h)anthracene	ND	9.8	ug/L
Fluoranthene	ND	9.8	ug/L
Fluorene	ND	9.8	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.8	ug/L
Naphthalene	**52**	**9.8**	**ug/L**
Phenanthrene	ND	9.8	ug/L
Pyrene	ND	9.8	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(28 - 120)
2-Fluorobiphenyl	77	(23 - 119)
Terphenyl-d14	78	(10 - 123)
2-Fluorophenol	68	(22 - 121)
Phenol-d5	69	(34 - 117)
2,4,6-Tribromophenol	88	(33 - 124)

ConocoPhillips Company

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #...: I7D250161-009 Work Order #...: JVL7D1AG Matrix.....: WATER
Date Sampled...: 04/24/07 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128201 Analysis Time..: 15:55
Dilution Factor: 25

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	16	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	99	(75 - 122)

ConocoPhillips Company

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #...: I7D250161-009	**Work Order #...:** JVL7D1AJ	**Matrix.....:** WATER	
Date Sampled...: 04/24/07	**Date Received..:** 04/25/07 08:30		
Prep Date.....: 05/07/07	**Analysis Date..:** 05/07/07		
Prep Batch #...: 7128190	**Analysis Time..:** 15:55		
Dilution Factor: 25			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**5300**	**25**	**ug/L**
Ethylbenzene	**430**	**25**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	107	(59 - 157)

ConocoPhillips Company

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #...: I7D250161-009 Work Order #...: JVL7D2AJ Matrix.....: WATER
Date Sampled...: 04/24/07 Date Received..: 04/25/07 08:30
Prep Date.....: 05/08/07 Analysis Date..: 05/08/07
Prep Batch #...: 7129065 Analysis Time..: 18:00
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	**10**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	115	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	309 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogate outside acceptance criteria due to large target hit. Surro gates inside criteria at higher dilution.

ConocoPhillips Company

Client Sample ID: DUP-1

GC Semivolatiles

Lot-Sample #...: I7D250161-009 Work Order #...: JVL7D1AH Matrix.....: WATER
Date Sampled...: 04/24/07 Date Received..: 04/25/07 08:30
Prep Date.....: 04/30/07 Analysis Date..: 05/04/07
Prep Batch #...: 7120543 Analysis Time..: 19:23
Dilution Factor: 0.98

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**1.3**	**0.049**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	88	(48 - 153)
Dotriacontane	97	(35 - 143)

ConocoPhillips Company

Client Sample ID: DUP-1

DISSOLVED Metals

Lot-Sample #...: I7D250161-009 Matrix.....: WATER
Date Sampled...: 04/24/07 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7116499						
Uranium	ND	500 Dilution Factor: 1	ug/L	SW846 6010B Analysis Time..: 16:02	04/26-05/03/07	JVL7D1AD
Prep Batch #...: 7120480						
Aluminum	ND	0.20 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1AN
Arsenic	**0.024**	**0.010** Dilution Factor: 1	**mg/L**	**SW846 6010B** Analysis Time..: 14:59	**04/30-05/01/07**	**JVL7D1AP**
Barium	**2.5**	**0.20** Dilution Factor: 1	**mg/L**	**SW846 6010B** Analysis Time..: 14:59	**04/30-05/01/07**	**JVL7D1AQ**
Boron	**0.28**	**0.20** Dilution Factor: 1	**mg/L**	**SW846 6010B** Analysis Time..: 14:59	**04/30-05/01/07**	**JVL7D1AR**
Cadmium	ND	0.0020 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1AT
Chromium	ND	0.0050 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1AU
Cobalt	ND	0.050 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1AV
Copper	ND	0.025 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1AW
Iron	**2.8**	**0.10** Dilution Factor: 1	**mg/L**	**SW846 6010B** Analysis Time..: 14:59	**04/30-05/01/07**	**JVL7D1AX**
Lead	ND	0.0030 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1A0
Manganese	**0.17**	**0.015** Dilution Factor: 1	**mg/L**	**SW846 6010B** Analysis Time..: 14:59	**04/30-05/01/07**	**JVL7D1A1**
Molybdenum	ND	0.040 Dilution Factor: 1	mg/L	SW846 6010B Analysis Time..: 14:59	04/30-05/01/07	JVL7D1A2

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ConocoPhillips Company

Client Sample ID: DUP-1

DISSOLVED Metals

Lot-Sample #...: I7D250161-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JVL7D1A3
		Dilution Factor: 1		Analysis Time..: 14:59		
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL7D1A4
		Dilution Factor: 1		Analysis Time..: 14:59		
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JVL7D1AA
		Dilution Factor: 1		Analysis Time..: 14:59		
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JVL7D1AC
		Dilution Factor: 1		Analysis Time..: 14:59		
Prep Batch #...: 7122561						
Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JVL7D1AF
		Dilution Factor: 1		Analysis Time..: 14:01		

ConocoPhillips Company

Client Sample ID: DUP-1

General Chemistry

Lot-Sample #...: I7D250161-009 Work Order #...: JVL7D Matrix.....: WATER
Date Sampled...: 04/24/07 Date Received..: 04/25/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	56.0	20.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20		Analysis Time..: 18:36		
Fluoride	1.1	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1		Analysis Time..: 12:05		
Total Dissolved Solids	697	40.0	mg/L	MCAWW 160.1	04/30/07	7120515
		Dilution Factor: 1		Analysis Time..: 16:35		

ConocoPhillips Company

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I7D250161-010 Work Order #...: JVL7E1AA Matrix.....: WATER
Date Sampled...: 04/24/07 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 11:45
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(59 - 157)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JV0W91AA **Matrix.....:** WATER
MB Lot-Sample #: I7D300000-551

Prep Date.....: 04/30/07 **Analysis Time..:** 12:16
Analysis Date..: 05/04/07 **Prep Batch #...:** 7120551
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(28 - 120)
2-Fluorobiphenyl	75	(23 - 119)
Terphenyl-d14	81	(10 - 123)
2-Fluorophenol	72	(22 - 121)
Phenol-d5	72	(34 - 117)
2,4,6-Tribromophenol	81	(33 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7D250161 **Work Order #...:** JWGGL1AA **Matrix.....:** WATER
MB Lot-Sample #: I7E080000-201

Prep Date.....: 05/07/07 **Analysis Time..:** 09:24
Analysis Date..: 05/07/07 **Prep Batch #...:** 7128201
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	94	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7D250161 **Work Order #...:** JWGET1AA **Matrix.....:** WATER
MB Lot-Sample #: I7E080000-190

Prep Date.....: 05/07/07 **Analysis Time..:** 09:24
Analysis Date..: 05/07/07 **Prep Batch #...:** 7128190
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7D250161 **Work Order #...:** JWJDV1AA **Matrix.....:** WATER
MB Lot-Sample #: I7E090000-065

Prep Date.....: 05/08/07 **Analysis Time..:** 14:44
Analysis Date..: 05/08/07 **Prep Batch #...:** 7129065
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JV01X1AA **Matrix.....:** WATER
MB Lot-Sample #: I7D300000-543

Prep Date.....: 04/30/07 **Analysis Time..:** 12:07
Analysis Date..: 05/04/07 **Prep Batch #...:** 7120543
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diesel Range Organics	ND	0.050	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	76	(48 - 153)
Dotriacontane	85	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7D260000-499 **Prep Batch #...:** 7116499						
Uranium	ND	500	ug/L	SW846 6010B	04/26-05/03/07	JVP911AA
		Dilution Factor: 1				
		Analysis Time..: 14:49				
MB Lot-Sample #: I7D300000-480 **Prep Batch #...:** 7120480						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AD
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Arsenic	ND	0.010	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AE
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Barium	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AF
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Boron	ND	0.20	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AG
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AH
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AJ
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Cobalt	ND	0.050	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AK
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Copper	ND	0.025	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AL
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Iron	ND	0.10	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AM
		Dilution Factor: 1				
		Analysis Time..: 13:00				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.0030	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AA
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Manganese	ND	0.015	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AN
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AP
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Nickel	ND	0.040	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AQ
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Selenium	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AR
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Silver	ND	0.0050	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AT
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Zinc	ND	0.020	mg/L	SW846 6010B	04/30-05/01/07	JV0K31AU
		Dilution Factor: 1				
		Analysis Time..: 13:00				

MB Lot-Sample #: I7E020000-561 **Prep Batch #...:** 7122561

Mercury	ND	0.00020	mg/L	SW846 7470A	05/02-05/03/07	JV54W1AA
		Dilution Factor: 1				
		Analysis Time..: 13:12				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I7D250161 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JWC911AA		MB Lot-Sample #:	I7E050000-028	
	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 1				
		Analysis Time..: 08:05				
Fluoride		Work Order #: JWC9X1AA		MB Lot-Sample #:	I7E050000-027	
	ND	1.0	mg/L	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1				
		Analysis Time..: 08:05				
Total Dissolved Solids		Work Order #: JVQK41AA		MB Lot-Sample #:	I7D260000-547	
	ND	40.0	mg/L	MCAWW 160.1	04/26/07	7116547
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Dissolved Solids		Work Order #: JVVCW1AA		MB Lot-Sample #:	I7D270000-360	
	ND	40.0	mg/L	MCAWW 160.1	04/27/07	7117360
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Dissolved Solids		Work Order #: JV0R31AA		MB Lot-Sample #:	I7D300000-515	
	ND	40.0	mg/L	MCAWW 160.1	04/30/07	7120515
		Dilution Factor: 1				
		Analysis Time..: 16:15				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JV0W91AC **Matrix.....:** WATER
LCS Lot-Sample#: I7D300000-551
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120551 **Analysis Time..:** 12:46
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	82	(60 - 102)	SW846 8270C
Acenaphthylene	75	(59 - 100)	SW846 8270C
Anthracene	80	(60 - 102)	SW846 8270C
Benzo(a)anthracene	95	(58 - 102)	SW846 8270C
Benzo(a)pyrene	80	(57 - 103)	SW846 8270C
Benzo(b)fluoranthene	81	(55 - 99)	SW846 8270C
Benzo(ghi)perylene	87	(52 - 112)	SW846 8270C
Benzo(k)fluoranthene	74	(56 - 112)	SW846 8270C
Chrysene	98	(59 - 105)	SW846 8270C
Dibenz(a,h)anthracene	75	(56 - 110)	SW846 8270C
Fluoranthene	79	(58 - 106)	SW846 8270C
Fluorene	79	(61 - 104)	SW846 8270C
Indeno(1,2,3-cd)pyrene	79	(57 - 110)	SW846 8270C
Naphthalene	80	(58 - 101)	SW846 8270C
Phenanthrene	82	(59 - 108)	SW846 8270C
Pyrene	101	(62 - 104)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(28 - 120)
2-Fluorobiphenyl	82	(23 - 119)
Terphenyl-d14	104	(10 - 123)
2-Fluorophenol	80	(22 - 121)
Phenol-d5	77	(34 - 117)
2,4,6-Tribromophenol	86	(33 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7D250161 **Work Order #...:** JWGGL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7E080000-201 JWGGL1AD-LCSD
Prep Date.....: 05/07/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7128201 **Analysis Time..:** 10:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**93**	**(85 - 115)**			**SW846 8015B**
	92	**(85 - 115)**	**1.2**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	100	(81 - 123)
	99	(81 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7D250161 Work Order #...: JWGET1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7E080000-190 JWGET1AD-LCSD
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 09:53
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(78 - 114)**			**SW846 8021B**
	101	**(78 - 114)**	**0.14**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**105**	**(87 - 114)**			**SW846 8021B**
	105	**(87 - 114)**	**0.16**	**(0-20)**	**SW846 8021B**
Toluene	**108**	**(87 - 115)**			**SW846 8021B**
	108	**(87 - 115)**	**0.040**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**111**	**(86 - 119)**			**SW846 8021B**
	111	**(86 - 119)**	**0.44**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(85 - 111)
	95	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	98	(88 - 110)
	98	(88 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7D250161 **Work Order #...:** JWJDV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7E090000-065 JWJDV1AD-LCSD
Prep Date.....: 05/08/07 **Analysis Date..:** 05/08/07
Prep Batch #...: 7129065 **Analysis Time..:** 15:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(78 - 114)**			**SW846 8021B**
	97	**(78 - 114)**	**3.8**	**(0-20)**	**SW846 8021B**
Toluene	**99**	**(87 - 115)**			**SW846 8021B**
	101	**(87 - 115)**	**1.9**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**106**	**(86 - 119)**			**SW846 8021B**
	105	**(86 - 119)**	**1.6**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(85 - 111)
	97	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	94	(88 - 110)
	97	(88 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JV01X1AC **Matrix.....:** WATER
LCS Lot-Sample#: I7D300000-543
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120543 **Analysis Time..:** 12:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**75**	**(28 - 121)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	111	(48 - 153)
Dotriacontane	84	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7D260000-499 **Prep Batch #...:** 7116499					
Uranium	104	(80 - 120)	SW846 6010B	04/26-05/03/07	JVP911AC
		Dilution Factor: 1		Analysis Time..: 14:54	
LCS Lot-Sample#: I7D300000-480 **Prep Batch #...:** 7120480					
Aluminum	100	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31AV
		Dilution Factor: 1		Analysis Time..: 13:04	
Arsenic	96	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31AW
		Dilution Factor: 1		Analysis Time..: 13:04	
Barium	98	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31AX
		Dilution Factor: 1		Analysis Time..: 13:04	
Boron	101	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A0
		Dilution Factor: 1		Analysis Time..: 13:04	
Cadmium	94	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A1
		Dilution Factor: 1		Analysis Time..: 13:04	
Chromium	97	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A2
		Dilution Factor: 1		Analysis Time..: 13:04	
Cobalt	96	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A3
		Dilution Factor: 1		Analysis Time..: 13:04	
Copper	101	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A4
		Dilution Factor: 1		Analysis Time..: 13:04	
Iron	101	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A5
		Dilution Factor: 1		Analysis Time..: 13:04	
Lead	100	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31AC
		Dilution Factor: 1		Analysis Time..: 13:04	
Manganese	98	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A6
		Dilution Factor: 1		Analysis Time..: 13:04	
Molybdenum	98	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A7
		Dilution Factor: 1		Analysis Time..: 13:04	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	96	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A8
		Dilution Factor: 1		Analysis Time..: 13:04	
Selenium	102	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31A9
		Dilution Factor: 1		Analysis Time..: 13:04	
Silver	95	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31CA
		Dilution Factor: 1		Analysis Time..: 13:04	
Zinc	98	(80 - 120)	SW846 6010B	04/30-05/01/07	JV0K31CC
		Dilution Factor: 1		Analysis Time..: 13:04	
LCS Lot-Sample#: I7E020000-561 **Prep Batch #...:** 7122561					
Mercury	101	(80 - 120)	SW846 7470A	05/02-05/03/07	JV54W1AC
		Dilution Factor: 1		Analysis Time..: 13:14	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I7D250161 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JWC911AC	LCS Lot-Sample#: I7E050000-028		
	96	(90 - 110)	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 1	Analysis Time..: 12:35		
Fluoride		Work Order #: JWC9X1AC	LCS Lot-Sample#: I7E050000-027		
	95	(90 - 110)	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1	Analysis Time..: 12:35		
Total Dissolved Solids		Work Order #: JVQK41AC	LCS Lot-Sample#: I7D260000-547		
	99	(87 - 113)	MCAWW 160.1	04/26/07	7116547
		Dilution Factor: 1	Analysis Time..: 17:02		
Total Dissolved Solids		Work Order #: JVVCW1AC	LCS Lot-Sample#: I7D270000-360		
	99	(87 - 113)	MCAWW 160.1	04/27/07	7117360
		Dilution Factor: 1	Analysis Time..: 16:02		
Total Dissolved Solids		Work Order #: JV0R31AC	LCS Lot-Sample#: I7D300000-515		
	100	(87 - 113)	MCAWW 160.1	04/30/07	7120515
		Dilution Factor: 1	Analysis Time..: 16:17		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JVK671AG-MS **Matrix.....:** WATER
MS Lot-Sample #: I7D250158-001 JVK671AH-MSD
Date Sampled...: 04/24/07 10:00 **Date Received..:** 04/25/07 08:30
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120551 **Analysis Time..:** 13:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	110 a	(60 - 102)			SW846 8270C
	106 a	(60 - 102)	2.9	(0-20)	SW846 8270C
Acenaphthylene	99	(59 - 100)			SW846 8270C
	97	(59 - 100)	2.8	(0-20)	SW846 8270C
Anthracene	80	(60 - 102)			SW846 8270C
	79	(60 - 102)	0.44	(0-20)	SW846 8270C
Benzo(a)anthracene	102	(58 - 102)			SW846 8270C
	102	(58 - 102)	0.36	(0-20)	SW846 8270C
Benzo(a)pyrene	81	(57 - 103)			SW846 8270C
	80	(57 - 103)	1.0	(0-20)	SW846 8270C
Benzo(b)fluoranthene	79	(55 - 99)			SW846 8270C
	78	(55 - 99)	2.2	(0-20)	SW846 8270C
Benzo(ghi)perylene	89	(52 - 112)			SW846 8270C
	87	(52 - 112)	2.9	(0-20)	SW846 8270C
Benzo(k)fluoranthene	77	(56 - 112)			SW846 8270C
	77	(56 - 112)	0.31	(0-20)	SW846 8270C
Chrysene	101	(59 - 105)			SW846 8270C
	100	(59 - 105)	0.29	(0-20)	SW846 8270C
Dibenz(a,h)anthracene	77	(56 - 110)			SW846 8270C
	75	(56 - 110)	2.6	(0-20)	SW846 8270C
Fluoranthene	80	(58 - 106)			SW846 8270C
	78	(58 - 106)	2.5	(0-20)	SW846 8270C
Fluorene	114 a	(61 - 104)			SW846 8270C
	111 a	(61 - 104)	2.4	(0-20)	SW846 8270C
Indeno(1,2,3-cd)pyrene	81	(57 - 110)			SW846 8270C
	79	(57 - 110)	2.5	(0-20)	SW846 8270C
Naphthalene	118 a,E	(58 - 101)			SW846 8270C
	104 a,E	(58 - 101)	3.3	(0-20)	SW846 8270C
Phenanthrene	84	(59 - 108)			SW846 8270C
	84	(59 - 108)	0.08	(0-20)	SW846 8270C
Pyrene	100	(62 - 104)			SW846 8270C
	99	(62 - 104)	1.4	(0-20)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(28 - 120)
	81	(28 - 120)
2-Fluorobiphenyl	95	(23 - 119)
	93	(23 - 119)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JVK671AG-MS **Matrix.....:** WATER
MS Lot-Sample #: I7D250158-001 JVK671AH-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	104	(10 - 123)
	103	(10 - 123)
2-Fluorophenol	70	(22 - 121)
	68	(22 - 121)
Phenol-d5	61	(34 - 117)
	65	(34 - 117)
2,4,6-Tribromophenol	93	(33 - 124)
	92	(33 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

E Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7D250161 **Work Order #...:** JVL7D1A5-MS **Matrix.....:** WATER
MS Lot-Sample #: I7D250161-009 JVL7D1A6-MSD
Date Sampled...: 04/24/07 **Date Received..:** 04/25/07 08:30
Prep Date.....: 05/07/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7128201 **Analysis Time..:** 18:15
Dilution Factor: 25

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**83**	**(79 - 124)**			**SW846 8015B**
	99	**(79 - 124)**	**13**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	100	(75 - 122)
	101	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7D250161 Work Order #...: JVL681A5-MS Matrix.....: WATER
MS Lot-Sample #: I7D250161-008 JVL681A6-MSD
Date Sampled...: 04/24/07 12:00 Date Received..: 04/25/07 08:30
Prep Date.....: 05/07/07 Analysis Date..: 05/07/07
Prep Batch #...: 7128190 Analysis Time..: 17:19
Dilution Factor: 25

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**74 a**	**(78 - 114)**			**SW846 8021B**
	25 a	**(78 - 114)**	**8.8**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**124 a**	**(87 - 117)**			**SW846 8021B**
	61 a,p	**(87 - 117)**	**36**	**(0-20)**	**SW846 8021B**
Toluene	**108**	**(87 - 115)**			**SW846 8021B**
	68 a,p	**(87 - 115)**	**40**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**119**	**(86 - 119)**			**SW846 8021B**
	74 a,p	**(86 - 119)**	**33**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(81 - 119)
	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	104	(59 - 157)
	102	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7D250161 Work Order #...: JVR0T1AF-MS Matrix.....: WATER
MS Lot-Sample #: I7D270189-002 JVR0T1AG-MSD
Date Sampled...: 04/25/07 07:28 Date Received..: 04/27/07 08:30
Prep Date.....: 05/08/07 Analysis Date..: 05/09/07
Prep Batch #...: 7129065 Analysis Time..: 01:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(78 - 114)**			**SW846 8021B**
	99	**(78 - 114)**	**4.3**	**(0-20)**	**SW846 8021B**
Toluene	**104**	**(87 - 115)**			**SW846 8021B**
	104	**(87 - 115)**	**0.49**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**104**	**(86 - 119)**			**SW846 8021B**
	103	**(86 - 119)**	**0.73**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(81 - 119)
	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(59 - 157)
	94	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7D250161 **Work Order #...:** JVK7K1A7-MS **Matrix.....:** WATER
MS Lot-Sample #: I7D250161-001 JVK7K1A8-MSD
Date Sampled...: 04/24/07 07:12 **Date Received..:** 04/25/07 08:30
Prep Date.....: 04/30/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7120543 **Analysis Time..:** 13:46
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**68**	**(28 - 121)**			**SW846 8015B**
	74	**(28 - 121)**	**4.4**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	114	(48 - 153)
	118	(48 - 153)
Dotriacontane	101	(35 - 143)
	100	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER
Date Sampled...: 04/24/07 07:12 **Date Received..:** 04/25/07 08:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7D250161-001 **Prep Batch #...:** 7116499							
Uranium	106	(75 - 125)			SW846 6010B	04/26-05/03/07	JVK7K1A5
	102	(75 - 125)	3.9	(0-20)	SW846 6010B	04/26-05/03/07	JVK7K1A6
		Dilution Factor: 1					
		Analysis Time..: 15:08					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER
Date Sampled...: 04/23/07 13:15 **Date Received..:** 04/24/07 08:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7D240123-002 **Prep Batch #...:** 7120480							
Aluminum	97	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91AJ
	96	(75 - 125)	0.83	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91AK
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Arsenic	94	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91AM
	94	(75 - 125)	0.51	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91AN
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Barium	91	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91AQ
	91	(75 - 125)	0.06	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91AR
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Boron	97	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91AU
	97	(75 - 125)	0.23	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91AV
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Cadmium	91	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91AX
	90	(75 - 125)	0.41	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91A0
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Chromium	95	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91A2
	94	(75 - 125)	0.79	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91A3
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Cobalt	93	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91A5
	92	(75 - 125)	1.0	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91A6
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Copper	99	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91A8
	98	(75 - 125)	0.76	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91A9
		Dilution Factor: 1					
		Analysis Time..: 13:28					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER
Date Sampled...: 04/23/07 13:15 **Date Received..:** 04/24/07 08:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CC
	97	(75 - 125)	0.71	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91CD
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Lead	96	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91AF
	96	(75 - 125)	0.60	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91AG
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Manganese	NC	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CF
	NC	(75 - 125)		(0-20)	SW846 6010B	04/30-05/01/07	JVHP91CG
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Molybdenum	96	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CJ
	96	(75 - 125)	0.02	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91CK
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Nickel	92	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CM
	92	(75 - 125)	0.27	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91CN
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Selenium	99	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CQ
	98	(75 - 125)	0.80	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91CR
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Silver	95	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CU
	95	(75 - 125)	0.51	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91CV
		Dilution Factor: 1					
		Analysis Time..: 13:28					
Zinc	92	(75 - 125)			SW846 6010B	04/30-05/01/07	JVHP91CX
	90	(75 - 125)	1.0	(0-20)	SW846 6010B	04/30-05/01/07	JVHP91C0
		Dilution Factor: 1					
		Analysis Time..: 13:28					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I7D250161 **Matrix.....:** WATER
Date Sampled...: 04/20/07 09:01 **Date Received..:** 04/24/07 08:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7D240141-001 **Prep Batch #...:** 7122561							
Mercury	98	(75 - 125)			SW846 7470A	05/02-05/03/07	JVHVA1CL
	94	(75 - 125)	3.8	(0-20)	SW846 7470A	05/02-05/03/07	JVHVA1CM
		Dilution Factor: 1					
		Analysis Time..: 13:17					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I7D250161 **Matrix.....:** WATER
Date Sampled...: 04/24/07 07:12 **Date Received..:** 04/25/07 08:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: JVK7K1CC-MS/JVK7K1CD-MSD				MS Lot-Sample #: I7D250161-001	
	101	(90 - 110)			MCAWW 300.0A	05/04/07	7125028
	109	(90 - 110)	2.9	(0-20)	MCAWW 300.0A	05/04/07	7125028
		Dilution Factor: 20					
		Analysis Time..: 15:50					
Fluoride		WO#: JVK7K1A9-MS/JVK7K1CA-MSD				MS Lot-Sample #: I7D250161-001	
	100	(90 - 110)			MCAWW 300.0A	05/04/07	7125027
	97	(90 - 110)	2.3	(0-20)	MCAWW 300.0A	05/04/07	7125027
		Dilution Factor: 1					
		Analysis Time..: 09:20					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I7D250161 **Work Order #...:** JVE7D-SMP JVE7D-DUP **Matrix.....:** WATER

Date Sampled...: 04/19/07 11:00 **Date Received..:** 04/21/07 08:30

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: I7D210143-011		
	209	193	mg/L	8.0	(0-20)	MCAWW 160.1	04/26/07	7116547

Dilution Factor: 1 Analysis Time..: 17:08

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I7D250161 **Work Order #...:** JVLJE-SMP JVLJE-DUP **Matrix.....:** WATER

Date Sampled...: 04/23/07 12:00 **Date Received..:** 04/25/07 09:06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: I7D250202-001		
	902	955	mg/L	5.7	(0-20)	MCAWW 160.1	04/27/07	7117360

Dilution Factor: 1 Analysis Time..: 16:04

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I7D250161 **Work Order #...:** JVLEL-SMP JVLEL-DUP **Matrix.....:** WATER

Date Sampled...: 04/24/07 10:30 **Date Received..:** 04/25/07 08:30

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: I7D250183-005		
	422	398	mg/L	5.9	(0-20)	MCAWW 160.1	04/30/07	7120515

Dilution Factor: 1 Analysis Time..: 16:27

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of the NELAC standards. All data have been found to be compliant with laboratory protocol except as otherwise noted.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: I7D250161

RECEIVED BY: [signature]

COC NUMBER:

DATE/TIME RECEIVED: 4-25-07 0830

QUOTE/PROFILE: 56072

UNPACKED DATE/TIME: 4-25-07 0940

CLIENT/PROJECT: Tetra Tech

SAMPLES LOGGED IN: LC

LOG-IN REVIEWED: CMB

Number of Shipping Containers Received with Chain of Custody: 4

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: EC

Container Sealed: ☑ YES ☐ NO Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

If seal not intact list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NO Samples Received Match Chain: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO Other Equipment Received: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Packing Material Used: (circle) Chain-of-Custody form properly maintained: ☐ YES ☐ NO

None / Absorbent / Paper / Bubble Wrap Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: EC **IR THERMOMETER #:** IR 5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°]*

TB (C)	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 2.4°C	SC 2.7°	SC 2.4°C	SC 2.8°C	SC	SC	SC	SC	SC	SC

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☑ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☐ NA ☐ YES ☑ VOA Samples **VERIFIED BY:** EC

NOTE: pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12: ☐ YES ☐ NO Acid preserved are<pH 2: ☑ YES ☐ NO

Cyanide samples checked for sulfides: ☐ YES Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine per specification (N.C.) ☐ YES Free chlorine present: ☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I7D250161

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: CS

Samples received match COC: ☑ YES ☐ NO
Bottles received intact: ☑ YES ☐ NO
See additional discrepancies/comments section: ☐ YES ☑ NO
Samples received from USDA restricted area: ☐ YES ☑ NO
Chain-of-Custody form properly maintained: ☑ YES ☐ NO
VOA trip blanks included: 2*40ml ☑ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: CS Date: 4-25-07

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$@010948-001 TP250161

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

7418

STL4149 (1202)

Client	Project Manager	Date
Tetra Tech, Inc.	Greg Pope	04/17/2007
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
1703 W Industrial Ave	(432) 686-8081 / (000)	STL Austin
City / **State** / **Zip Code**	**Site Contact**	
Midland / TX / 79701	Greg Pope	
Project Number/Name	**Carrier/Waybill Number**	
3374 Line NM1-1 Remediation	FedEx / 8604 6755 8453	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAX008	QUOTE: 56072	

Page 1 of 4

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC8021 BTEX	TPH GRO	TPH DRO	MS8270	ICCL	TDS	ICP	WQCC Metals	MERCURY	UNIUM
SVE-1	4/24/07	7:12	WATER	1L	AMBER	6	None	2.7° 4-25-07			X	X						
			WATER	40mL	VIAL	4	1:1 HCL		X	X								
			WATER	250mL	PLASTIC	1	None						X	X	X			
			WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-2		7:45	WATER	1L	AMBER	2	None				X	X						
			WATER	40mL	VIAL	4	1:1 HCL		X	X								
			WATER	250mL	PLASTIC	1	None						X	X	X			
			WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-3		8:15	WATER	1L	AMBER	2	None				X	X						
			WATER	40mL	VIAL	4	1:1 HCL		X	X								
			WATER	250mL	PLASTIC	1	None						X	X	X			
			WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X

Special Instructions
8021 BTEX, 8270 PAH, 6010B 16 WQCC metals; Austin will ship Ur collection to STL ST Louis lab.
SAMPLER TO ADD TRIP BLANKS TO COC AS NEEDED

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☒ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/24/07	12:30	1. Received By	4-25-07	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

111/113

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0010948-002

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

74219

STL4149 (1202)

Client	Project Manager	Date
Tetra Tech, Inc.	Greg Pope	04/17/2007
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
1703 W Industrial Ave	(432) 686-8081 / (000)	STL Austin
City / State / Zip Code	**Site Contact**	
Midland / TX / 79701	Greg Pope	
Project Number/Name	**Carrier/Waybill Number**	
3374 Line NM1-1 Remediation	Fed Ex / 8604 6755 8453	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAX008	QUOTE: 56072	

Page 2 of 4

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC80211L	Analysis: TPH GRO	Analysis: TPHS DRO	Analysis: MS8270CL	Analysis: ICCL	Analysis: TDS	Analysis: ICFL	Analysis: WQCCMETS	Analysis: MERCURY	Analysis: UNIUM
IW-4	4/24/07	8:45	WATER	1L	AMBER	2	None	21° 4-25-07 LC			X	X						
			WATER	40mL	VIAL	4	1:1 HCL		X	X								
			WATER	250mL	PLASTIC	1	None						X	X	X			
			WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-5		9:10	WATER	1L	AMBER	2	None				X	X						
			WATER	40mL	VIAL	4	1:1 HCL		X	X								
			WATER	250mL	PLASTIC	1	None						X	X	X			
			WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-7		9:50	WATER	1L	AMBER	2	None				X	X						
			WATER	40mL	VIAL	4	1:1 HCL		X	X								
			WATER	250mL	PLASTIC	1	None						X	X	X			
			WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X

Special Instructions: 8021 BTEX, 8270 PAH, 6010B 16 WQCC metals; Austin will ship Ur collection to STL ST Louis lab. SAMPLER TO ADD TRIP BLANKS TO COC AS NEEDED.

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Laura Stin	4/24/07	12:30	1. Received By:	4-25-07	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

112/113

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$@010948-003

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

7 20

STL4149 (1202)

Client	Project Manager	Date	Page 3 of 4
Tetra Tech, Inc.	Greg Pope	04/17/2007	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
1703 W Industrial Ave	(432) 686-8081 / (000)	STL Austin	
City / **State** / **Zip Code**	**Site Contact**		
Midland / TX / 79701	Greg Pope		
Project Number/Name	**Carrier/Waybill Number**		
3374 Line NM1-1 Remediation	FedEx / 8604 6755 8453		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374MAX008		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC 8021 BTEX	TPH GRO	TPH DRO	MS 8270	ICCL TDS	ICP ICL	WQCC METALS	MERCURY	URANIUM
MW-13	4/24/07	10:15	WATER	1L	AMBER	2	None	27° 4-25-07 cc			X	X					
			WATER	40mL	VIAL	4	1:1 HCL		X	X							
			WATER	250mL	PLASTIC	1	None						X	X	X		
			WATER	250mL	PLASTIC	2	Conc HNO3								X	X	X
EW-2		12:00	WATER	1L	AMBER	2	None				X	X					
			WATER	40mL	VIAL	4	1:1 HCL		X	X							
			WATER	250mL	PLASTIC	1	None						X	X	X		
			WATER	250mL	PLASTIC	2	Conc HNO3								X	X	X
Dup-1			WATER	1L	AMBER	2	None				X	X					
			WATER	40mL	VIAL	4	1:1 HCL		X	X							
			WATER	250mL	PLASTIC	1	None						X	X	X		
			WATER	250mL	PLASTIC	2	Conc HNO3								X	X	X
Trip Blank	—	—	water	40 ml	vial	2	nme		X	X							

Special Instructions
8021 BTEX, 8270 PAH, 6010B 16 WQCC metals; Austin will ship Ur collection to STL ST Louis lab.
SAMPLER TO ADD TRIP BLANKS TO COC AS NEEDED.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/24/07	12:30	1. Received By	4-25-07	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

113/113

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL Leaders in Environmental Testing

Certificate of Analysis

STL Austin • 14050 Summit Drive, Suite A100, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 3Q'07

3374 Line NM1-1 Remediation

Lot #: I7G250134

Greg Pope

Tetra Tech, Inc.
1703 W Industrial Ave
Midland, TX 79701

TESTAMERICA LABORATORIES, INC. (FKA STL)

Carla M. Butler
Project Manager

August 8, 2007

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

LOT NUMBER: **I7G250134**

This report contains the analytical results for the 10 samples received under chain of custody by TestAmerica Laboratories Inc. on July 25, 2007. These samples are associated with your 3374 Line NM1-1 Remediation project.

All samples were received in good condition and within temperature requirements.

Mr. Charlie Durrett instructed the laboratory to log containers labeled DUP-1 for same tests as other samples although it was not listed on the COC. He confirmed that the sample identified on the COC as IW-13 is MW-13 as appears on the container labels.

Surrogate recoveries flagged "NC, I" were not calculated due to matrix interference. Surrogate recoveries flagged "NC, DIL" were not calculated because the extract was diluted beyond the ability to quantitate recoveries.

Some surrogate recoveries were outside control limits due to matrix interference for the 8021 analysis of samples 003, 004, 005, 006, 007, and 009. All other calibration and QC criteria were met.

Recoveries of GRO were outside limits for the 8015 Matrix Spike/Matrix Spike Duplicate of sample 003. Please see result pages for details.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

If you have any questions, please feel free to call me at (512) 310-5318.

EXECUTIVE SUMMARY - Detection Highlights

I7G250134

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-1 07/24/07 08:10 001				
Diesel Range Organics	0.12	0.050	mg/L	SW846 8015B
Chloride	120	20.0	mg/L	MCAWW 300.0A
IW-2 07/24/07 08:35 002				
Diesel Range Organics	29	12	mg/L	SW846 8015B
Gasoline Range Organics	0.23	0.10	mg/L	SW846 8015B
Chloride	71.5	20.0	mg/L	MCAWW 300.0A
IW-3 07/24/07 09:00 003				
Diesel Range Organics	23	0.49	mg/L	SW846 8015B
Gasoline Range Organics	1.1	0.10	mg/L	SW846 8015B
Benzene	3.0	1.0	ug/L	SW846 8021B
Xylenes (total)	3.5	3.0	ug/L	SW846 8021B
Chloride	89.7	20.0	mg/L	MCAWW 300.0A
IW-5 07/24/07 09:30 004				
Diesel Range Organics	8.5	2.4	mg/L	SW846 8015B
Gasoline Range Organics	0.33	0.10	mg/L	SW846 8015B
Chloride	133	20.0	mg/L	MCAWW 300.0A
IW-7 07/24/07 10:10 005				
Diesel Range Organics	4.8	0.48	mg/L	SW846 8015B
Gasoline Range Organics	0.42	0.10	mg/L	SW846 8015B
Benzene	1.4	1.0	ug/L	SW846 8021B
Chloride	85.9	20.0	mg/L	MCAWW 300.0A
MW-13 07/24/07 10:40 006				
Diesel Range Organics	0.54	0.48	mg/L	SW846 8015B
Gasoline Range Organics	14	1.0	mg/L	SW846 8015B
Benzene	5700	50	ug/L	SW846 8021B
Ethylbenzene	610	50	ug/L	SW846 8021B
Chloride	63.6	20.0	mg/L	MCAWW 300.0A
IW-4 07/24/07 11:30 007				
Diesel Range Organics	26	12	mg/L	SW846 8015B
Gasoline Range Organics	0.52	0.10	mg/L	SW846 8015B
Benzene	3.5	1.0	ug/L	SW846 8021B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7G250134

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-4 07/24/07 11:30 007				
Ethylbenzene	6.6	1.0	ug/L	SW846 8021B
Toluene	11	1.0	ug/L	SW846 8021B
Xylenes (total)	7.9	3.0	ug/L	SW846 8021B
Chloride	51.4	20.0	mg/L	MCAWW 300.0A
EW-2 07/24/07 13:00 008				
Diesel Range Organics	130	12	mg/L	SW846 8015B
Gasoline Range Organics	17	2.5	mg/L	SW846 8015B
Benzene	3200	25	ug/L	SW846 8021B
Ethylbenzene	720	25	ug/L	SW846 8021B
Toluene	150	25	ug/L	SW846 8021B
Xylenes (total)	1000	75	ug/L	SW846 8021B
Chloride	52.9	20.0	mg/L	MCAWW 300.0A
DUP-1 07/24/07 009				
Diesel Range Organics	0.58	0.48	mg/L	SW846 8015B
Gasoline Range Organics	15	2.5	mg/L	SW846 8015B
Benzene	5400	25	ug/L	SW846 8021B
Ethylbenzene	590	25	ug/L	SW846 8021B
Chloride	63.6	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I7G250134

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520	SW846 8015B
Purge and trap	SW846 5030B	SW846 8021B
PURGE AND TRAP	SW846 5030	SW846 8015B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I7G250134

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Scott Leslie	401008
SW846 8015B	Todd Plybon	000059
SW846 8021B	Kim Houdek	402993
SW846 8021B	Todd Plybon	000059

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I7G250134

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J3HJT	001	SVE-1	07/24/07	08:10
J3HK2	002	IW-2	07/24/07	08:35
J3HLF	003	IW-3	07/24/07	09:00
J3HLG	004	IW-5	07/24/07	09:30
J3HLH	005	IW-7	07/24/07	10:10
J3HLK	006	MW-13	07/24/07	10:40
J3HLL	007	IW-4	07/24/07	11:30
J3HLM	008	EW-2	07/24/07	13:00
J3HLP	009	DUP-1	07/24/07	
J3HLR	010	TRIP BLANK	07/24/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I7G250134

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
002	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
003	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
004	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
005	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
006	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7215454	7215286
007	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
008	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199
	WATER	SW846 8021B		7214318	7214201
009	WATER	MCAWW 300.0A		7208279	7208166
	WATER	SW846 8015B		7206530	7206332
	WATER	SW846 8015B		7214316	7214199

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I7G250134

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
009	WATER	SW846 8021B		7214318	7214201
	WATER	SW846 8021B		7215454	7215286
010	WATER	SW846 8021B		7214318	7214201

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I7G250134-001 Work Order #...: J3HJT1AA Matrix.....: WATER
Date Sampled...: 07/24/07 08:10 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 13:19
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	100	(75 - 122)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I7G250134-001 Work Order #...: J3HJT1AD Matrix.....: WATER
Date Sampled...: 07/24/07 08:10 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 13:19
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(59 - 157)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Semivolatiles

Lot-Sample #...: I7G250134-001 Work Order #...: J3HJT1AC Matrix.....: WATER
Date Sampled...: 07/24/07 08:10 Date Received..: 07/25/07 08:10
Prep Date.....: 07/25/07 Analysis Date..: 07/27/07
Prep Batch #...: 7206530 Analysis Time..: 00:23
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.12	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	81	(48 - 153)
Dotriacontane	115	(35 - 143)

ConocoPhillips Company

Client Sample ID: SVE-1

General Chemistry

Lot-Sample #...: I7G250134-001 Work Order #...: J3HJT Matrix.....: WATER
Date Sampled...: 07/24/07 08:10 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	120	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 13:33

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...:	I7G250134-002	Work Order #...:	J3HK21AA	Matrix.....:	WATER
Date Sampled...:	07/24/07 08:35	Date Received..:	07/25/07 08:10		
Prep Date.....:	08/01/07	Analysis Date..:	08/01/07		
Prep Batch #...:	7214316	Analysis Time..:	14:16		
Dilution Factor:	1				
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.23	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	109	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I7G250134-002 Work Order #...: J3HK21AD Matrix.....: WATER
Date Sampled...: 07/24/07 08:35 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 14:16
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	113	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	111	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-2

GC Semivolatiles

Lot-Sample #...: I7G250134-002	Work Order #...: J3HK21AC	Matrix.....: WATER	
Date Sampled...: 07/24/07 08:35	Date Received..: 07/25/07 08:10		
Prep Date.....: 07/25/07	Analysis Date..: 07/27/07		
Prep Batch #...: 7206530	Analysis Time..: 02:36		
Dilution Factor: 242.5			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	29	12	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-2

General Chemistry

Lot-Sample #...: I7G250134-002 Work Order #...: J3HK2 Matrix.....: WATER
Date Sampled...: 07/24/07 08:35 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	71.5	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 14:18

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I7G250134-003	Work Order #...: J3HLF1AA	Matrix.....: WATER	
Date Sampled...: 07/24/07 09:00	Date Received..: 07/25/07 08:10		
Prep Date.....: 08/01/07	Analysis Date..: 08/01/07		
Prep Batch #...: 7214316	Analysis Time..: 14:43		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	1.1	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	112	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I7G250134-003 Work Order #...: J3HLF1AD Matrix.....: WATER
Date Sampled...: 07/24/07 09:00 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 14:43
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	3.0	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	3.5	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	280 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: IW-3

GC Semivolatiles

Lot-Sample #...: I7G250134-003 Work Order #...: J3HLF1AC Matrix.....: WATER
Date Sampled...: 07/24/07 09:00 Date Received..: 07/25/07 08:10
Prep Date.....: 07/25/07 Analysis Date..: 07/30/07
Prep Batch #...: 7206530 Analysis Time..: 16:08
Dilution Factor: 9.8

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	23	0.49	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,I	(48 - 153)
Dotriacontane	NC,I	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

ConocoPhillips Company

Client Sample ID: IW-3

General Chemistry

Lot-Sample #...: I7G250134-003 Work Order #...: J3HLF Matrix.....: WATER
Date Sampled...: 07/24/07 09:00 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	89.7	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 14:33

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I7G250134-004 Work Order #...: J3HLG1AA Matrix.....: WATER
Date Sampled...: 07/24/07 09:30 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 15:10
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.33	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	111	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I7G250134-004 Work Order #...: J3HLG1AD Matrix.....: WATER
Date Sampled...: 07/24/07 09:30 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 15:10
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	178 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: IW-5

GC Semivolatiles

Lot-Sample #...:	I7G250134-004	Work Order #...: J3HLG1AC	Matrix.....: WATER
Date Sampled...:	07/24/07 09:30	Date Received..: 07/25/07 08:10	
Prep Date.....:	07/25/07	Analysis Date..: 07/27/07	
Prep Batch #...:	7206530	Analysis Time..: 03:43	
Dilution Factor:	48.5		
		Method.....: SW846 8015B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	8.5	2.4	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-5

General Chemistry

Lot-Sample #...: I7G250134-004 Work Order #...: J3HLG Matrix.....: WATER
Date Sampled...: 07/24/07 09:30 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	133	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 14:48

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I7G250134-005 Work Order #...: J3HLH1AA Matrix.....: WATER
Date Sampled...: 07/24/07 10:10 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 16:37
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.42	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	110	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...:	I7G250134-005	**Work Order #...:**	J3HLH1AD	**Matrix.....:**	WATER
Date Sampled...:	07/24/07 10:10	**Date Received..:**	07/25/07 08:10		
Prep Date.....:	08/01/07	**Analysis Date..:**	08/01/07		
Prep Batch #...:	7214318	**Analysis Time..:**	16:37		
Dilution Factor:	1				
		Method.....:	SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.4**	**1.0**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	182 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: IW-7

GC Semivolatiles

Lot-Sample #...: I7G250134-005 Work Order #...: J3HLH1AC Matrix.....: WATER
Date Sampled...: 07/24/07 10:10 Date Received..: 07/25/07 08:10
Prep Date.....: 07/25/07 Analysis Date..: 07/30/07
Prep Batch #...: 7206530 Analysis Time..: 16:42
Dilution Factor: 9.7
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	4.8	0.48	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,I	(48 - 153)
Dotriacontane	NC,I	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

ConocoPhillips Company

Client Sample ID: IW-7

General Chemistry

Lot-Sample #...: I7G250134-005 Work Order #...: J3HLH Matrix.....: WATER
Date Sampled...: 07/24/07 10:10 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	85.9	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 15:03

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7G250134-006 Work Order #...: J3HLK1AA Matrix.....: WATER
Date Sampled...: 07/24/07 10:40 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 17:05
Dilution Factor: 10

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	14	1.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	104	(75 - 122)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7G250134-006 Work Order #...: J3HLK2AD Matrix.....: WATER
Date Sampled...: 07/24/07 10:40 Date Received..: 07/25/07 08:10
Prep Date.....: 08/02/07 Analysis Date..: 08/03/07
Prep Batch #...: 7215454 Analysis Time..: 00:14
Dilution Factor: 50

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	5700	50	ug/L
Ethylbenzene	610	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	112	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(59 - 157)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7G250134-006	**Work Order #...:** J3HLK3AD	**Matrix.....:** WATER	
Date Sampled...: 07/24/07 10:40	**Date Received..:** 07/25/07 08:10		
Prep Date.....: 08/02/07	**Analysis Date..:** 08/03/07		
Prep Batch #...: 7215454	**Analysis Time..:** 00:42		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	126 *	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	200 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...:	I7G250134-006	Work Order #...:	J3HLK1AC
Date Sampled...:	07/24/07 10:40	Date Received..:	07/25/07 08:10
Prep Date.....:	07/25/07	Analysis Date..:	07/27/07
Prep Batch #...:	7206530	Analysis Time..:	10:16
Dilution Factor:	9.5		
		Method.....:	SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.54	0.48	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	80	(48 - 153)
Dotriacontane	79	(35 - 143)

ConocoPhillips Company

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I7G250134-006 Work Order #...: J3HLK Matrix.....: WATER
Date Sampled...: 07/24/07 10:40 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	63.6	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 15:18

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...:	I7G250134-007	Work Order #...:	J3HLL1AA
Date Sampled...:	07/24/07 11:30	Date Received..:	07/25/07 08:10
Prep Date.....:	08/01/07	Analysis Date..:	08/01/07
Prep Batch #...:	7214316	Analysis Time..:	17:32
Dilution Factor:	1		
		Method.....:	SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.52	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	107	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I7G250134-007 Work Order #...: J3HLL1AD Matrix.....: WATER
Date Sampled...: 07/24/07 11:30 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 17:32
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	3.5	1.0	ug/L
Ethylbenzene	6.6	1.0	ug/L
Toluene	11	1.0	ug/L
Xylenes (total)	7.9	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	226 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: IW-4

GC Semivolatiles

Lot-Sample #...: I7G250134-007 Work Order #...: J3HLL1AC Matrix.....: WATER
Date Sampled...: 07/24/07 11:30 Date Received..: 07/25/07 08:10
Prep Date.....: 07/25/07 Analysis Date..: 07/27/07
Prep Batch #...: 7206530 Analysis Time..: 05:23
Dilution Factor: 240
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	26	12	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-4

General Chemistry

Lot-Sample #...: I7G250134-007 Work Order #...: J3HLL Matrix.....: WATER
Date Sampled...: 07/24/07 11:30 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	51.4	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 15:33

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7G250134-008 Work Order #...: J3HLM1AA Matrix.....: WATER
Date Sampled...: 07/24/07 13:00 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 17:59
Dilution Factor: 25

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	17	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	105	(75 - 122)

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7G250134-008 Work Order #...: J3HLM1AD Matrix.....: WATER
Date Sampled...: 07/24/07 13:00 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 17:59
Dilution Factor: 25

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	3200	25	ug/L
Ethylbenzene	720	25	ug/L
Toluene	150	25	ug/L
Xylenes (total)	1000	75	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	124	(59 - 157)

ConocoPhillips Company

Client Sample ID: EW-2

GC Semivolatiles

Lot-Sample #...:	I7G250134-008	Work Order #...:	J3HLM1AC
Date Sampled...:	07/24/07 13:00	Date Received..:	07/25/07 08:10
Prep Date.....:	07/25/07	Analysis Date..:	07/27/07
Prep Batch #...:	7206530	Analysis Time..:	05:56
Dilution Factor:	240		
		Method.....:	SW846 8015B

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	130	12	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: EW-2

General Chemistry

Lot-Sample #...: I7G250134-008 Work Order #...: J3HLM Matrix.....: WATER
Date Sampled...: 07/24/07 13:00 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	52.9	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 15:48

ConocoPhillips Company

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #...: I7G250134-009 Work Order #...: J3HLP1AA Matrix.....: WATER
Date Sampled...: 07/24/07 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 18:26
Dilution Factor: 25

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	15	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	102	(75 - 122)

ConocoPhillips Company

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #...: I7G250134-009 Work Order #...: J3HLP1AD Matrix.....: WATER
Date Sampled...: 07/24/07 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 18:26
Dilution Factor: 25

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	5400	25	ug/L
Ethylbenzene	590	25	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(59 - 157)

ConocoPhillips Company

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #...: I7G250134-009 Work Order #...: J3HLP2AD Matrix.....: WATER
Date Sampled...: 07/24/07 Date Received..: 07/25/07 08:10
Prep Date.....: 08/02/07 Analysis Date..: 08/03/07
Prep Batch #...: 7215454 Analysis Time..: 02:05
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	123 *	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	205 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: DUP-1

GC Semivolatiles

Lot-Sample #...: I7G250134-009 Work Order #...: J3HLP1AC Matrix.....: WATER
Date Sampled...: 07/24/07 Date Received..: 07/25/07 08:10
Prep Date.....: 07/25/07 Analysis Date..: 07/27/07
Prep Batch #...: 7206530 Analysis Time..: 10:50
Dilution Factor: 9.6

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.58	0.48	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	79	(48 - 153)
Dotriacontane	77	(35 - 143)

ConocoPhillips Company

Client Sample ID: DUP-1

General Chemistry

Lot-Sample #...: I7G250134-009 Work Order #...: J3HLP Matrix.....: WATER
Date Sampled...: 07/24/07 Date Received..: 07/25/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	63.6	20.0	mg/L	MCAWW 300.0A	07/26/07	7208279

Dilution Factor: 20 Analysis Time..: 16:03

ConocoPhillips Company

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I7G250134-010 Work Order #...: J3HLR1AC Matrix.....: WATER
Date Sampled...: 07/24/07 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 13:49
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(59 - 157)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7G250134 **Work Order #...:** J33WE1AA **Matrix.....:** WATER
MB Lot-Sample #: I7H020000-316

Prep Date.....: 08/01/07 **Analysis Time..:** 11:03
Analysis Date..: 08/01/07 **Prep Batch #...:** 7214316
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	95	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J33XL1AA Matrix.....: WATER
MB Lot-Sample #: I7H020000-318

Prep Date.....: 08/01/07 Analysis Time..: 11:03
Analysis Date..: 08/01/07 Prep Batch #...: 7214318
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J370A1AA Matrix.....: WATER
MB Lot-Sample #: I7H030000-454

Prep Date.....: 08/02/07 Analysis Time..: 10:59
Analysis Date..: 08/02/07 Prep Batch #...: 7215454
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I7G250134 **Work Order #...:** J3J3H1AA **Matrix.....:** WATER
MB Lot-Sample #: I7G250000-530

Prep Date.....: 07/25/07 **Analysis Time..:** 18:17
Analysis Date..: 07/26/07 **Prep Batch #...:** 7206530
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diesel Range Organics	ND	0.050	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	72	(48 - 153)
Dotriacontane	83	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I7G250134 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: J3PK71AA		MB Lot-Sample #:	I7G270000-279	
	ND	1.0	mg/L	MCAWW 300.0A	07/26/07	7208279
		Dilution Factor: 1				
		Analysis Time..: 08:18				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7G250134 **Work Order #...:** J33WE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7H020000-316 J33WE1AD-LCSD
Prep Date.....: 08/01/07 **Analysis Date..:** 08/01/07
Prep Batch #...: 7214316 **Analysis Time..:** 12:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**106**	**(85 - 115)**			**SW846 8015B**
	112	**(85 - 115)**	**5.5**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	102	(81 - 123)
	103	(81 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J33XL1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7H020000-318 J33XL1AD-LCSD
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 11:31
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	107	(78 - 114)			SW846 8021B
	107	(78 - 114)	0.13	(0-20)	SW846 8021B
Ethylbenzene	105	(87 - 114)			SW846 8021B
	105	(87 - 114)	0.57	(0-20)	SW846 8021B
Toluene	106	(87 - 115)			SW846 8021B
	106	(87 - 115)	0.26	(0-20)	SW846 8021B
Xylenes (total)	104	(86 - 119)			SW846 8021B
	105	(86 - 119)	1.1	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	93	(88 - 110)
	95	(88 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J370A1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7H030000-454 J370A1AD-LCSD
Prep Date.....: 08/02/07 Analysis Date..: 08/02/07
Prep Batch #...: 7215454 Analysis Time..: 11:27
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	104	(78 - 114)			SW846 8021B
	104	(78 - 114)	0.56	(0-20)	SW846 8021B
Ethylbenzene	101	(87 - 114)			SW846 8021B
	102	(87 - 114)	0.57	(0-20)	SW846 8021B
Toluene	103	(87 - 115)			SW846 8021B
	103	(87 - 115)	0.29	(0-20)	SW846 8021B
Xylenes (total)	99	(86 - 119)			SW846 8021B
	99	(86 - 119)	0.43	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(85 - 111)
	104	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	92	(88 - 110)
	94	(88 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7G250134 Work Order #...: J3J3H1AC Matrix.....: WATER
LCS Lot-Sample#: I7G250000-530
Prep Date.....: 07/25/07 Analysis Date..: 07/26/07
Prep Batch #...: 7206530 Analysis Time..: 18:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**81**	**(28 - 121)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	94	(48 - 153)
Dotriacontane	105	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I7G250134 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: J3PK71AC	LCS Lot-Sample#: I7G270000-279		
	99	(90 - 110)	MCAWW 300.0A	07/26/07	7208279
		Dilution Factor: 1	Analysis Time..: 08:33		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J3HLF1AF-MS Matrix.....: WATER
MS Lot-Sample #: I7G250134-003 J3HLF1AG-MSD
Date Sampled...: 07/24/07 09:00 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214316 Analysis Time..: 19:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	54 a	(79 - 124)			SW846 8015B
	52 a	(79 - 124)	1.7	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	100	(75 - 122)
	99	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J3HJT1AK-MS Matrix.....: WATER
MS Lot-Sample #: I7G250134-001 J3HJT1AL-MSD
Date Sampled...: 07/24/07 08:10 Date Received..: 07/25/07 08:10
Prep Date.....: 08/01/07 Analysis Date..: 08/01/07
Prep Batch #...: 7214318 Analysis Time..: 18:53
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	108	(78 - 114)			SW846 8021B
	106	(78 - 114)	1.8	(0-20)	SW846 8021B
Ethylbenzene	101	(87 - 117)			SW846 8021B
	100	(87 - 117)	1.0	(0-20)	SW846 8021B
Toluene	104	(87 - 115)			SW846 8021B
	103	(87 - 115)	1.4	(0-20)	SW846 8021B
Xylenes (total)	99	(86 - 119)			SW846 8021B
	99	(86 - 119)	0.02	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(59 - 157)
	95	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7G250134 Work Order #...: J3LG21AF-MS Matrix.....: WATER
MS Lot-Sample #: I7G260169-011 J3LG21AG-MSD
Date Sampled...: 07/25/07 09:05 Date Received..: 07/26/07 08:15
Prep Date.....: 08/02/07 Analysis Date..: 08/02/07
Prep Batch #...: 7215454 Analysis Time..: 21:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(78 - 114)**			**SW846 8021B**
	99	**(78 - 114)**	**3.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**95**	**(87 - 117)**			**SW846 8021B**
	93	**(87 - 117)**	**2.3**	**(0-20)**	**SW846 8021B**
Toluene	**100**	**(87 - 115)**			**SW846 8021B**
	97	**(87 - 115)**	**2.6**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**95**	**(86 - 119)**			**SW846 8021B**
	94	**(86 - 119)**	**1.9**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
	109	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(59 - 157)
	94	(59 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7G250134 Work Order #...: J3HJT1AF-MS Matrix.....: WATER
MS Lot-Sample #: I7G250134-001 J3HJT1AG-MSD
Date Sampled...: 07/24/07 08:10 Date Received..: 07/25/07 08:10
Prep Date.....: 07/25/07 Analysis Date..: 07/27/07
Prep Batch #...: 7206530 Analysis Time..: 00:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	68	(28 - 121)			SW846 8015B
	53 p	(28 - 121)	21	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	92	(48 - 153)
	73	(48 - 153)
Dotriacontane	102	(35 - 143)
	95	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I7G250134 **Matrix.....:** WATER
Date Sampled...: 07/25/07 09:46 **Date Received..:** 07/25/07 16:28

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: J3J5Q1CQ-MS/J3J5Q1CR-MSD				MS Lot-Sample #: I7G250315-001	
	94	(90 - 110)			MCAWW 300.0A	07/26/07	7208279
	93	(90 - 110)	0.65	(0-20)	MCAWW 300.0A	07/26/07	7208279
		Dilution Factor: 20					
		Analysis Time..: 12:48					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of the NELAC standards. All data have been found to be compliant with laboratory protocol except as otherwise noted.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I7G250134

RECEIVED BY: MK

COC NUMBER:

DATE/TIME RECEIVED: 7-25-07 8:10

QUOTE/PROFILE: G2511

UNPACKED DATE/TIME: 7-25-07 0845

CLIENT/PROJECT: Tetra Tech

SAMPLES LOGGED IN: ML

LOG-IN REVIEWED:

Number of Shipping Containers Received with Chain of Custody: 3

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: n/a

Container Sealed: ☑ YES ☐ NO Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

If seal not intact list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed:	☐ YES ☐ NO	Samples Received Match Chain:	☐ YES ☐ NO
Canister Valves Capped:	☐ YES ☐ NO	Other Equipment Received:	☐ YES ☐ NO
Valve Cap Tightened Properly:	☐ YES ☐ NO	See Additional Comments (Section 5.0 and / or 7.0)	☐ YES ☐ NO
Packing Material Used: (circle)		Chain-of-Custody form properly maintained:	☐ YES ☐
None / Absorbent / Paper / Bubble Wrap		Can Size: ☐ 6L ☐ 15L Other	

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: MK **IR THERMOMETER #:** P-4

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 5.8°C	SC 5.5°C	SC 6.0°C	SC	SC	SC	SC	SC	SC	SC

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☑ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☑ NA ☑ YES ☑ VOA Samples **VERIFIED BY:** MK

NOTE: pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12:	☐ YES ☐ NO	Acid preserved are<pH 2:	☑ YES ☐ NO
Cyanide samples checked for sulfides:	☐ YES	Sulfide samples appear to be preserved with zinc acetate:	☐ YES ☐ NO
Samples checked for chlorine per specification (N.C.)	☐ YES	Free chlorine present:	☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM).

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I7G250134

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: V

Samples received match COC:	☑ YES ☐ NO	Bottles received intact:	☑ YES ☐ NO
See additional discrepancies/comments section:	☑ YES ☐ NO	Samples received from USDA restricted area:	☐ YES ☑ NO
Chain-of-Custody form properly maintained:	☑ YES ☐ NO	VOA trip blanks included: 2√	☑ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments
IW-13	1040 7-24-07	MW-13	1040 7-24-07	
None		Dup-1	7-24-07	

Use COC ID & log in Dup-1 cms 7-25-07

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

only 2 Trip Blanks Received in one cooler.

CORRECTIVE ACTION:

Client's Name: Greg P. & Charles D. Informed ~~verbally~~ email on: 7-26-07 By: cms

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments:

Change ID from IW-13 as on COC to MW-13 as on labels per phone conversation with C. Durrett.

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: cms Date: 7-26-07

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0012720-001

I7G250134

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

81181

STL4149 (1202)

Client	Project Manager	Date	
Tetra Tech, Inc/	Greg Pope	07/13/2007	Page 1 of 3
Address: 1703 W Industrial Ave	Telephone Number (Area Code)/Fax Number: (432) 686-8081 / (000)	Lab Location: TestAmerica Austin	Analysis
City: Midland; State: TX; Zip Code: 79701	Site Contact: Greg Pope		
Project Number/Name: 3374 Line NM1-1 Remediation	Carrier/Waybill Number: Fed Ex 8623-6100-5311		
Contract/Purchase Order/Quote Number: CONTRACT / PURCHASE ORDER # : R/450TBD..../1/000010130143-00036/		QUOTE: 62511	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	GC8021 L	TPHV L	TPHS DRO	ICCL L
SVE-1	7/24/07	0810	WATER	1L	AMBER	3	None	6.0°C 7-25-07 mu			X	
SVE-1	7/24/07	0810	WATER	40mL	VIAL	4	1:1 HCL	Good	X	X		
SVE-1	7/24-07	0810	WATER	250mL	PLASTIC	1	None					X
IW-2	7/24/07	0835	WATER	1L	AMBER	2	None				X	
IW-2	7/24/07	0835	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-2	7/24/07	0835	WATER	250mL	PLASTIC	1	None					X
IW-3	7/24/07	0900	WATER	1L	AMBER	2	None				X	
IW-3	7/24/07	0900	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-3	7/24/07	0900	WATER	250mL	PLASTIC	1	None					X
IW-5	7/24/07	0930	WATER	1L	AMBER	2	None				X	
IW-5	7/24/07	0930	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-5	7/24/07	0930	WATER	250mL	PLASTIC	1	None					X
IW-7	7/24/07	1010	WATER	1L	AMBER	2	None				X	
IW-7	7/24/07	1010	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-7	7/24/07	1010	WATER	250mL	PLASTIC	1	None					X
TRIP BLANK 1		1010	WATER	40mL	VIAL	2	1:1 HCL		X	X		

Special Instructions: TPH-GRO & DRO, 8021 BTEX; 300 chloride

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ____

QC Level: ☒ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. Relinquished By [signature]	7/24/07	1430	1. Received By [signature]	7-25-07	0810
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

STL4149 (1202)

CHAIN OF CUSTODY NUMBER
$@012720-002
I7G250134

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

8[redacted]82

Client	Project Manager	Date	Page 2 of 3
Tetra Tech, Inc/	Greg Pope	07/13/2007	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
1703 W Industrial Ave	(432) 686-8081 / (000)	TestAmerica Austin	
City / **State** / **Zip Code**	**Site Contact**		
Midland / TX / 79701	Greg Pope		
Project Number/Name	**Carrier/Waybill Number**		
3374 Line NM1-1 Remediation	Fed Ex 8623-6100-5311		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : R/450TBD..../1/000010130143-00036/		QUOTE: 62511	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC 8021	TPH GRO	TPH DRO	ICL
IW-13	7/24/07	1040	WATER	1L	AMBER	2	None	6.0° 7-25-07 MK			X	
IW-13	7/24/07	1040	WATER	40mL	VIAL	4	1:1 HCL	~~Good~~ MK	X	X		
IW-13	7/24/07	1040	WATER	250mL	PLASTIC	1	None	See COC Add				X
IW-4	7/24/07	1130	WATER	1L	AMBER	2	None				X	
IW-4	7/24/07	1130	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-4	7/24/07	1130	WATER	250mL	PLASTIC	1	None					X
EW-2	7/24/07	1300	WATER	1L	AMBER	2	None				X	
EW-2	7/24/07	1300	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-2	7/24/07	1300	WATER	250mL	PLASTIC	1	None					X
			WATER	1L	AMBER	2	None				X	
Trip Blank-2	7/24/07		WATER	40mL	VIAL	2	1:1 HCL		X	X		
			WATER	250mL	PLASTIC	1	None					X
			WATER	1L	AMBER	2	None				X	
			WATER	40mL	VIAL	4	1:1 HCL		X	X		
			WATER	250mL	PLASTIC	1	None					X

Special Instructions: TPH-GRO & DRO, 8021 BTEX; 300 chloride

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☒ Normal ☐ Rush ☐ Other _____

QC Level
☒ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Charles Durrett	7/24/07	14:30	1. Received By:	7-25-07	0810
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report: PINK - Field Copy

68/68

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 4Q'07

3374 Line NM1-1 Remediation

Lot #: I7J240184

Greg Pope

Tetra Tech, Inc.
1703 W Industrial Ave
Midland, TX 79701

TESTAMERICA LABORATORIES, INC.

Carla M. Butler
Project Manager

November 9, 2007

Case Narrative

LOT NUMBER: **I7J240184**

This report contains the analytical results for the 10 samples received under chain of custody by TestAmerica Laboratories Inc. on October 24, 2007. These samples are associated with your 3374 Line NM1-1 Remediation project.

All samples were received in good condition and within temperature requirements. Four vials labeled MW-13 were received, but not listed on the chain of custody and an extra set of liters and polys labeled DUP were received. Mr. Greg Pope instructed the laboratory to analyze the vials for BTEX and to analyze the extra liters and polys labeled DUP as MW-13.

One 8021 surrogate recovery was outside control limits due to co-elution for the 1X analysis of sample 007. Recovery was within limits for the 500X run.

Both 8021 surrogate recoveries were outside control limits due to matrix effect for the 1X analysis of samples 009 and 010. Recovery was within limits for the 50X run.

During concentration, the DRO extract for samples 002 and 003 would not concentrate down to the routine final volume of 1.0 mL. The samples became dark and thick and would not concentrate down any further than 5 ml resulting in elevated reporting limits.

The non-project specific MSD for 8021 batch 7309179 was analyzed outside of the 12 hour clock due to the auto-sampler malfunctioning.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

If you have any questions, please feel free to call me at (512) 310-5318.

EXECUTIVE SUMMARY - Detection Highlights

I7J240184

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-1 10/23/07 09:00 001				
Chloride	121	20.0	mg/L	MCAWW 300.0A
IW-2 10/23/07 09:30 002				
Diesel Range Organics	200	5.0	mg/L	SW846 8015B
Gasoline Range Organics	2.5	0.10	mg/L	SW846 8015B
Ethylbenzene	19	1.0	ug/L	SW846 8021B
Xylenes (total)	5.0	3.0	ug/L	SW846 8021B
Chloride	77.5	20.0	mg/L	MCAWW 300.0A
IW-3 10/23/07 10:05 003				
Diesel Range Organics	62	1.2	mg/L	SW846 8015B
Gasoline Range Organics	1.2	0.10	mg/L	SW846 8015B
Benzene	2.1	1.0	ug/L	SW846 8021B
Ethylbenzene	14	1.0	ug/L	SW846 8021B
Xylenes (total)	3.4	3.0	ug/L	SW846 8021B
Chloride	89.9	20.0	mg/L	MCAWW 300.0A
IW-4 10/23/07 10:30 004				
Diesel Range Organics	53	2.5	mg/L	SW846 8015B
Gasoline Range Organics	0.57	0.10	mg/L	SW846 8015B
Benzene	1.8	1.0	ug/L	SW846 8021B
Ethylbenzene	5.1	1.0	ug/L	SW846 8021B
Chloride	41.1	20.0	mg/L	MCAWW 300.0A
IW-5 10/23/07 11:00 005				
Diesel Range Organics	42	1.0	mg/L	SW846 8015B
Gasoline Range Organics	0.44	0.10	mg/L	SW846 8015B
Ethylbenzene	4.6	1.0	ug/L	SW846 8021B
Chloride	129	20.0	mg/L	MCAWW 300.0A
IW-7 10/23/07 12:35 006				
Diesel Range Organics	19	0.25	mg/L	SW846 8015B
Gasoline Range Organics	0.37	0.10	mg/L	SW846 8015B
Ethylbenzene	4.5	1.0	ug/L	SW846 8021B
Chloride	81.9	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7J240184

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EW-2 10/23/07 14:50 007				
Diesel Range Organics	26	0.50	mg/L	SW846 8015B
Gasoline Range Organics	15	10	mg/L	SW846 8015B
Benzene	3500	100	ug/L	SW846 8021B
Ethylbenzene	540	100	ug/L	SW846 8021B
Toluene	28	1.0	ug/L	SW846 8021B
Xylenes (total)	490	3.0	ug/L	SW846 8021B
Chloride	55.1	20.0	mg/L	MCAWW 300.0A
DUP 10/23/07 009				
Diesel Range Organics	1.1	0.050	mg/L	SW846 8015B
Gasoline Range Organics	15	5.0	mg/L	SW846 8015B
Benzene	5500	50	ug/L	SW846 8021B
Ethylbenzene	620	50	ug/L	SW846 8021B
Chloride	80.7	20.0	mg/L	MCAWW 300.0A
MW-13 10/23/07 13:15 010				
Diesel Range Organics	1.1	0.050	mg/L	SW846 8015B
Gasoline Range Organics	14	5.0	mg/L	SW846 8015B
Benzene	5100	50	ug/L	SW846 8021B
Ethylbenzene	590	50	ug/L	SW846 8021B
Chloride	75.8	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I7J240184

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520	SW846 8015B
Purge and trap	SW846 5030B	SW846 8021B
PURGE AND TRAP	SW846 5030	SW846 8015B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I7J240184

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Scott Leslie	401008
SW846 8015B	Todd Plybon	000059
SW846 8021B	Todd Plybon	000059

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I7J240184

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J9PD2	001	SVE-1	10/23/07	09:00
J9PET	002	IW-2	10/23/07	09:30
J9PEV	003	IW-3	10/23/07	10:05
J9PEW	004	IW-4	10/23/07	10:30
J9PEX	005	IW-5	10/23/07	11:00
J9PE2	006	IW-7	10/23/07	12:35
J9PE8	007	EW-2	10/23/07	14:50
J9PFA	008	TRIP BLANK	10/23/07	
J9PFE	009	DUP	10/23/07	
J9PFK	010	MW-13	10/23/07	13:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I7J240184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7305394	7305208
002	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7312132	7312072
003	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7305394	7305208
004	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7305394	7305208
005	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7305394	7305208
006	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7305394	7305208
007	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7305398	7305210
	WATER	SW846 8021B		7305394	7305208
	WATER	SW846 8021B		7312132	7312072
008	WATER	SW846 8021B		7305394	7305208
009	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7309187	7309103
	WATER	SW846 8021B		7305394	7305208
	WATER	SW846 8021B		7309179	7309100

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I7J240184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 300.0A		7306102	7306069
	WATER	SW846 8015B		7298546	7298316
	WATER	SW846 8015B		7309187	7309103
	WATER	SW846 8021B		7309179	7309100

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I7J240184-001 **Work Order #...:** J9PD21AA **Matrix.....:** WATER
Date Sampled...: 10/23/07 09:00 **Date Received..:** 10/24/07 08:10
Prep Date.....: 10/29/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7305398 **Analysis Time..:** 13:45
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	107	(75 - 122)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I7J240184-001 Work Order #...: J9PD21AD Matrix.....: WATER
Date Sampled...: 10/23/07 09:00 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305394 Analysis Time..: 13:45
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(72 - 127)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Semivolatiles

Lot-Sample #...: I7J240184-001	**Work Order #...:** J9PD21AC	**Matrix.....:** WATER	
Date Sampled...: 10/23/07 09:00	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/25/07	**Analysis Date..:** 10/31/07		
Prep Batch #...: 7298546	**Analysis Time..:** 16:54		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	81	(48 - 153)
Dotriacontane	95	(35 - 143)

ConocoPhillips Company

Client Sample ID: SVE-1

General Chemistry

Lot-Sample #...: I7J240184-001 Work Order #...: J9PD2 Matrix.....: WATER
Date Sampled...: 10/23/07 09:00 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	121	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 09:54

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I7J240184-002 Work Order #...: J9PET1AA Matrix.....: WATER
Date Sampled...: 10/23/07 09:30 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305398 Analysis Time..: 14:13
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	2.5	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	107	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I7J240184-002 Work Order #...: J9PET2AD Matrix.....: WATER
Date Sampled...: 10/23/07 09:30 Date Received..: 10/24/07 08:10
Prep Date.....: 11/05/07 Analysis Date..: 11/05/07
Prep Batch #...: 7312132 Analysis Time..: 13:14
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	**19**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**5.0**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	113	(72 - 127)

ConocoPhillips Company

Client Sample ID: IW-2

GC Semivolatiles

Lot-Sample #...: I7J240184-002	Work Order #...: J9PET1AC	Matrix.....: WATER	
Date Sampled...: 10/23/07 09:30	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/25/07	Analysis Date..: 11/01/07		
Prep Batch #...: 7298546	Analysis Time..: 10:39		
Dilution Factor: 100			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	200	5.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-2

General Chemistry

Lot-Sample #...: I7J240184-002 Work Order #...: J9PET Matrix.....: WATER
Date Sampled...: 10/23/07 09:30 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	77.5	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 10:09

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I7J240184-003 Work Order #...: J9PEV1AA Matrix.....: WATER
Date Sampled...: 10/23/07 10:05 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305398 Analysis Time..: 14:41
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	1.2	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	103	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I7J240184-003 Work Order #...: J9PEV1AD Matrix.....: WATER
Date Sampled...: 10/23/07 10:05 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305394 Analysis Time..: 14:41
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**2.1**	**1.0**	**ug/L**
Ethylbenzene	**14**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**3.4**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(72 - 127)

ConocoPhillips Company

Client Sample ID: IW-3

GC Semivolatiles

Lot-Sample #...: I7J240184-003	Work Order #...: J9PEV1AC	Matrix.....: WATER	
Date Sampled...: 10/23/07 10:05	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/25/07	Analysis Date..: 10/31/07		
Prep Batch #...: 7298546	Analysis Time..: 19:06		
Dilution Factor: 25			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	62	1.2	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-3

General Chemistry

Lot-Sample #...: I7J240184-003 Work Order #...: J9PEV Matrix.....: WATER
Date Sampled...: 10/23/07 10:05 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	89.9	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 10:23

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...:	I7J240184-004	**Work Order #...:** J9PEW1AA	**Matrix.....:** WATER
Date Sampled...:	10/23/07 10:30	**Date Received..:** 10/24/07 08:10	
Prep Date.....:	10/29/07	**Analysis Date..:** 10/29/07	
Prep Batch #...:	7305398	**Analysis Time..:** 15:09	
Dilution Factor:	1		
		Method.....: SW846 8015B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**0.57**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	111	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I7J240184-004	**Work Order #...:** J9PEW1AD	**Matrix.....:** WATER	
Date Sampled...: 10/23/07 10:30	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/29/07	**Analysis Date..:** 10/29/07		
Prep Batch #...: 7305394	**Analysis Time..:** 15:09		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.8**	**1.0**	**ug/L**
Ethylbenzene	**5.1**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	122	(72 - 127)

ConocoPhillips Company

Client Sample ID: IW-4

GC Semivolatiles

Lot-Sample #...: I7J240184-004	Work Order #...: J9PEW1AC	Matrix.....: WATER	
Date Sampled...: 10/23/07 10:30	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/25/07	Analysis Date..: 11/01/07		
Prep Batch #...: 7298546	Analysis Time..: 11:12		
Dilution Factor: 50			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	53	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-4

General Chemistry

Lot-Sample #...: I7J240184-004 Work Order #...: J9PEW Matrix.....: WATER
Date Sampled...: 10/23/07 10:30 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	41.1	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 11:08

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I7J240184-005	Work Order #...: J9PEX1AA	Matrix.....: WATER	
Date Sampled...: 10/23/07 11:00	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/29/07	Analysis Date..: 10/29/07		
Prep Batch #...: 7305398	Analysis Time..: 15:37		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.44	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	111	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I7J240184-005 Work Order #...: J9PEX1AD Matrix.....: WATER
Date Sampled...: 10/23/07 11:00 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305394 Analysis Time..: 15:37
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	**4.6**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	109	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	112	(72 - 127)

ConocoPhillips Company

Client Sample ID: IW-5

GC Semivolatiles

Lot-Sample #...: I7J240184-005	**Work Order #...:** J9PEX1AC	**Matrix.....:** WATER	
Date Sampled...: 10/23/07 11:00	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/25/07	**Analysis Date..:** 11/01/07		
Prep Batch #...: 7298546	**Analysis Time..:** 11:45		
Dilution Factor: 20			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**42**	**1.0**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: IW-5

General Chemistry

Lot-Sample #...: I7J240184-005 Work Order #...: J9PEX Matrix.....: WATER
Date Sampled...: 10/23/07 11:00 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	129	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 11:23

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I7J240184-006 Work Order #...: J9PE21AA Matrix.....: WATER
Date Sampled...: 10/23/07 12:35 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305398 Analysis Time..: 16:05
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.37	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	105	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I7J240184-006 Work Order #...: J9PE21AD Matrix.....: WATER
Date Sampled...: 10/23/07 12:35 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305394 Analysis Time..: 16:05
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	**4.5**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(72 - 127)

ConocoPhillips Company

Client Sample ID: IW-7

GC Semivolatiles

Lot-Sample #...: I7J240184-006	Work Order #...: J9PE21AC	Matrix.....: WATER	
Date Sampled...: 10/23/07 12:35	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/25/07	Analysis Date..: 10/31/07		
Prep Batch #...: 7298546	Analysis Time..: 20:45		
Dilution Factor: 5			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	19	0.25	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,I	(48 - 153)
Dotriacontane	NC,I	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

ConocoPhillips Company

Client Sample ID: IW-7

General Chemistry

Lot-Sample #...: I7J240184-006 Work Order #...: J9PE2 Matrix.....: WATER
Date Sampled...: 10/23/07 12:35 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	81.9	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 11:38

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7J240184-007	Work Order #...: J9PE81AA	Matrix.....: WATER	
Date Sampled...: 10/23/07 14:50	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/29/07	Analysis Date..: 10/29/07		
Prep Batch #...: 7305398	Analysis Time..: 16:33		
Dilution Factor: 100			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	15	10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	111	(75 - 122)

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7J240184-007 Work Order #...: J9PE81AD Matrix.....: WATER
Date Sampled...: 10/23/07 14:50 Date Received..: 10/24/07 08:10
Prep Date.....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305394 Analysis Time..: 16:33
Dilution Factor: 100

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	3500	100	ug/L
Ethylbenzene	540	100	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(72 - 127)

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I7J240184-007	Work Order #...: J9PE82AD	Matrix.....: WATER	
Date Sampled...: 10/23/07 14:50	Date Received..: 10/24/07 08:10		
Prep Date.....: 11/05/07	Analysis Date..: 11/05/07		
Prep Batch #...: 7312132	Analysis Time..: 13:44		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	28	1.0	ug/L
Xylenes (total)	490	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	135 *	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	120	(72 - 127)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: EW-2

GC Semivolatiles

Lot-Sample #...: I7J240184-007	**Work Order #...:** J9PE81AC	**Matrix.....:** WATER	
Date Sampled...: 10/23/07 14:50	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/25/07	**Analysis Date..:** 11/01/07		
Prep Batch #...: 7298546	**Analysis Time..:** 12:18		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**26**	**0.50**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(48 - 153)
Dotriacontane	NC,DIL	(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

ConocoPhillips Company

Client Sample ID: EW-2

General Chemistry

Lot-Sample #...: I7J240184-007 Work Order #...: J9PE8 Matrix.....: WATER
Date Sampled...: 10/23/07 14:50 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	55.1	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 11:53

ConocoPhillips Company

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I7J240184-008	**Work Order #...:** J9PFA1AA	**Matrix.....:** WATER	
Date Sampled...: 10/23/07	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/29/07	**Analysis Date..:** 10/29/07		
Prep Batch #...: 7305394	**Analysis Time..:** 13:17		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(72 - 127)

ConocoPhillips Company

Client Sample ID: DUP

GC Volatiles

Lot-Sample #...: I7J240184-009	**Work Order #...:** J9PFE1AA	**Matrix.....:** WATER	
Date Sampled...: 10/23/07	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/31/07	**Analysis Date..:** 10/31/07		
Prep Batch #...: 7309187	**Analysis Time..:** 19:31		
Dilution Factor: 50			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**15**	**5.0**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	93	(75 - 122)

ConocoPhillips Company

Client Sample ID: DUP

GC Volatiles

Lot-Sample #...: I7J240184-009 **Work Order #...:** J9PFE1AD **Matrix.....:** WATER
Date Sampled...: 10/23/07 **Date Received..:** 10/24/07 08:10
Prep Date.....: 10/29/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7305394 **Analysis Time..:** 17:01
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	120 *	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	341 *	(72 - 127)

NOTE(S):

* Surrogate recovery is outside stated control limits.

TFT Surrogate outside criteria due to obvious coelution.

BFB surrogate outside acceptance criteria due to demonstrated matrix effect.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

ConocoPhillips Company

Client Sample ID: DUP

GC Volatiles

Lot-Sample #...: I7J240184-009 Work Order #...: J9PFE2AD Matrix.....: WATER
Date Sampled...: 10/23/07 Date Received..: 10/24/07 08:10
Prep Date.....: 10/31/07 Analysis Date..: 10/31/07
Prep Batch #...: 7309179 Analysis Time..: 19:31
Dilution Factor: 50

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	5500	50	ug/L
Ethylbenzene	620	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	109	(72 - 127)

ConocoPhillips Company

Client Sample ID: DUP

GC Semivolatiles

Lot-Sample #...: I7J240184-009	**Work Order #...:** J9PFE1AC	**Matrix.....:** WATER	
Date Sampled...: 10/23/07	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/25/07	**Analysis Date..:** 10/31/07		
Prep Batch #...: 7298546	**Analysis Time..:** 21:51		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**1.1**	**0.050**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	108	(48 - 153)
Dotriacontane	106	(35 - 143)

ConocoPhillips Company

Client Sample ID: DUP

General Chemistry

Lot-Sample #...: I7J240184-009 Work Order #...: J9PFE Matrix.....: WATER
Date Sampled...: 10/23/07 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	80.7	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 12:08

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7J240184-010 Work Order #...: J9PFK1AF Matrix.....: WATER
Date Sampled...: 10/23/07 13:15 Date Received..: 10/24/07 08:10
Prep Date.....: 10/31/07 Analysis Date..: 10/31/07
Prep Batch #...: 7309187 Analysis Time..: 19:03
Dilution Factor: 50

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	14	5.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7J240184-010	**Work Order #...:** J9PFK1AA	**Matrix.....:** WATER	
Date Sampled...: 10/23/07 13:15	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/31/07	**Analysis Date..:** 10/31/07		
Prep Batch #...: 7309179	**Analysis Time..:** 19:03		
Dilution Factor: 50			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**5100**	**50**	**ug/L**
Ethylbenzene	**590**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	107	(72 - 127)

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7J240184-010	**Work Order #...:** J9PFK2AA	**Matrix.....:** WATER	
Date Sampled...: 10/23/07 13:15	**Date Received..:** 10/24/07 08:10		
Prep Date.....: 10/31/07	**Analysis Date..:** 10/31/07		
Prep Batch #...: 7309179	**Analysis Time..:** 19:59		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	123 *	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	345 *	(72 - 127)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to obvious coelution.

ConocoPhillips Company

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...: I7J240184-010	Work Order #...: J9PFK1AC	Matrix.....: WATER	
Date Sampled...: 10/23/07 13:15	Date Received..: 10/24/07 08:10		
Prep Date.....: 10/25/07	Analysis Date..: 10/31/07		
Prep Batch #...: 7298546	Analysis Time..: 22:24		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1.1	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	107	(48 - 153)
Dotriacontane	98	(35 - 143)

ConocoPhillips Company

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I7J240184-010 Work Order #...: J9PFK Matrix.....: WATER
Date Sampled...: 10/23/07 13:15 Date Received..: 10/24/07 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	75.8	20.0	mg/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 20 Analysis Time..: 12:23

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KACL91AA **Matrix.....:** WATER
MB Lot-Sample #: I7K010000-398

Prep Date.....: 10/29/07 **Analysis Time..:** 12:48
Analysis Date..: 10/29/07 **Prep Batch #...:** 7305398
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	104	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KAH8R1AA **Matrix.....:** WATER
MB Lot-Sample #: I7K050000-187

Prep Date.....: 10/31/07 **Analysis Time..:** 17:38
Analysis Date..: 10/31/07 **Prep Batch #...:** 7309187
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	91	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KACK71AA **Matrix.....:** WATER
MB Lot-Sample #: I7K010000-394

Prep Date.....: 10/29/07 **Analysis Time..:** 12:48
Analysis Date..: 10/29/07 **Prep Batch #...:** 7305394
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(72 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KAH791AA **Matrix.....:** WATER
MB Lot-Sample #: I7K050000-179

Prep Date.....: 10/31/07 **Analysis Time..:** 17:38
Analysis Date..: 10/31/07 **Prep Batch #...:** 7309179
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(72 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KAQ311AA **Matrix.....:** WATER
MB Lot-Sample #: I7K080000-132

Prep Date.....: 11/05/07 **Analysis Time..:** 12:15
Analysis Date..: 11/05/07 **Prep Batch #...:** 7312132
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(72 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I7J240184 **Work Order #...:** J9VKC1AA **Matrix.....:** WATER
MB Lot-Sample #: I7J250000-546

Prep Date.....: 10/25/07 **Analysis Time..:** 15:48
Analysis Date..: 10/31/07 **Prep Batch #...:** 7298546
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diesel Range Organics	ND	0.050	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	83	(48 - 153)
Dotriacontane	95	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I7J240184 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: KADQW1AA		MB Lot-Sample #:	I7K020000-102	
	ND	1.0	mg/L	MCAWW 300.0A	11/01/07	7306102
		Dilution Factor: 1				
		Analysis Time..: 08:09				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KACL91AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7K010000-398 KACL91AD-LCSD
Prep Date.....: 10/29/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7305398 **Analysis Time..:** 10:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**96**	**(85 - 115)**			**SW846 8015B**
	92	**(85 - 115)**	**4.2**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	116	(81 - 123)
	113	(81 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KAH8R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7K050000-187 KAH8R1AD-LCSD
Prep Date.....: 10/31/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7309187 **Analysis Time..:** 16:41
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**93**	**(85 - 115)**			**SW846 8015B**
	96	**(85 - 115)**	**2.8**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	99	(81 - 123)
	97	(81 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KACK71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7K010000-394 KACK71AD-LCSD
Prep Date.....: 10/29/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7305394 **Analysis Time..:** 11:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**97**	**(80 - 115)**			**SW846 8021B**
	96	**(80 - 115)**	**1.0**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**99**	**(81 - 115)**			**SW846 8021B**
	100	**(81 - 115)**	**0.73**	**(0-20)**	**SW846 8021B**
Toluene	**102**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**0.31**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**102**	**(86 - 119)**			**SW846 8021B**
	103	**(86 - 119)**	**0.83**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(85 - 111)
	105	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	96	(86 - 107)
	94	(86 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KAH791AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7K050000-179 KAH791AD-LCSD
Prep Date.....: 10/31/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7309179 **Analysis Time..:** 17:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(80 - 115)**			**SW846 8021B**
	93	**(80 - 115)**	**3.1**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**91**	**(81 - 115)**			**SW846 8021B**
	92	**(81 - 115)**	**1.2**	**(0-20)**	**SW846 8021B**
Toluene	**95**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**0.17**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**97**	**(86 - 119)**			**SW846 8021B**
	95	**(86 - 119)**	**1.9**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(85 - 111)
	106	(85 - 111)
,a,a-Trifluorotoluene **(TFT)**	91	(86 - 107)
	96	(86 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** KAQ311AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7K080000-132 KAQ311AD-LCSD
Prep Date.....: 11/05/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7312132 **Analysis Time..:** 10:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(80 - 115)**			**SW846 8021B**
	95	**(80 - 115)**	**0.60**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**95**	**(81 - 115)**			**SW846 8021B**
	92	**(81 - 115)**	**3.3**	**(0-20)**	**SW846 8021B**
Toluene	**99**	**(85 - 115)**			**SW846 8021B**
	96	**(85 - 115)**	**2.3**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**97**	**(86 - 119)**			**SW846 8021B**
	95	**(86 - 119)**	**2.4**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(85 - 111)
	104	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	96	(86 - 107)
	97	(86 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7J240184 **Work Order #...:** J9VKC1AC **Matrix.....:** WATER
LCS Lot-Sample#: I7J250000-546
Prep Date.....: 10/25/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7298546 **Analysis Time..:** 16:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**78**	**(28 - 121)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	95	(48 - 153)
Dotriacontane	97	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I7J240184 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: KADQW1AC LCS Lot-Sample#: I7K020000-102			
	94	(90 - 110)	MCAWW 300.0A	11/01/07	7306102
		Dilution Factor: 1	Analysis Time..: 08:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** J9PEV1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I7J240184-003 J9PEV1AG-MSD
Date Sampled...: 10/23/07 10:05 **Date Received..:** 10/24/07 08:10
Prep Date.....: 10/29/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7305398 **Analysis Time..:** 19:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**70 a**	**(79 - 124)**			**SW846 8015B**
	55 a	**(79 - 124)**	**12**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	104	(75 - 122)
	106	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** J9PFK1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: I7J240184-010 J9PFK1AH-MSD
Date Sampled...: 10/23/07 13:15 **Date Received..:** 10/24/07 08:10
Prep Date.....: 10/31/07 **Analysis Date..:** 11/01/07
Prep Batch #...: 7309187 **Analysis Time..:** 10:05
Dilution Factor: 50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**87**	**(79 - 124)**			**SW846 8015B**
	87	**(79 - 124)**	**0.58**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	98	(75 - 122)
	99	(75 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** J9PD21AH-MS **Matrix.....:** WATER
MS Lot-Sample #: I7J240184-001 J9PD21AJ-MSD
Date Sampled...: 10/23/07 09:00 **Date Received..:** 10/24/07 08:10
Prep Date.....: 10/29/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7305394 **Analysis Time..:** 18:55
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**105**	**(80 - 115)**			**SW846 8021B**
	102	**(80 - 115)**	**2.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**105**	**(81 - 115)**			**SW846 8021B**
	103	**(81 - 115)**	**1.7**	**(0-20)**	**SW846 8021B**
Toluene	**105**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**2.5**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**106**	**(86 - 119)**			**SW846 8021B**
	104	**(86 - 119)**	**1.6**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(81 - 119)
	108	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(72 - 127)
	94	(72 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J240184 **Work Order #...:** J94371AE-MS **Matrix.....:** WATER
MS Lot-Sample #: I7J300126-001 J94371AF-MSD
Date Sampled...: 10/18/07 15:00 **Date Received..:** 10/30/07 08:00
Prep Date.....: 10/31/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7309179 **Analysis Time..:** 23:15
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(80 - 115)**			**SW846 8021B**
	98	**(80 - 115)**	**3.0**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**100**	**(81 - 115)**			**SW846 8021B**
	101	**(81 - 115)**	**0.96**	**(0-20)**	**SW846 8021B**
Toluene	**102**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**0.58**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**101**	**(86 - 119)**			**SW846 8021B**
	104	**(86 - 119)**	**3.0**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(72 - 127)
	92	(72 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	I7J240184	**Work Order #...:**	J9W6T1AF-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	I7J260146-011		J9W6T1AG-MSD		
Date Sampled...:	10/24/07 13:15	**Date Received..:**	10/26/07 08:30		
Prep Date.....:	11/05/07	**Analysis Date..:**	11/05/07		
Prep Batch #...:	7312132	**Analysis Time..:**	21:07		
Dilution Factor:	1				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(80 - 115)**			**SW846 8021B**
	98	**(80 - 115)**	**2.8**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**93**	**(81 - 115)**			**SW846 8021B**
	92	**(81 - 115)**	**0.82**	**(0-20)**	**SW846 8021B**
Toluene	**96**	**(85 - 115)**			**SW846 8021B**
	96	**(85 - 115)**	**0.29**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**97**	**(86 - 119)**			**SW846 8021B**
	96	**(86 - 119)**	**1.2**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(81 - 119)
	107	(81 - 119)
,a,a-Trifluorotoluene (TFT)	97	(72 - 127)
	95	(72 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7J240184 **Work Order #...:** J9PD21AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I7J240184-001 J9PD21AG-MSD
Date Sampled...: 10/23/07 09:00 **Date Received..:** 10/24/07 08:10
Prep Date.....: 10/25/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7298546 **Analysis Time..:** 17:27
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**74**	**(28 - 121)**			**SW846 8015B**
	77	**(28 - 121)**	**3.4**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	90	(48 - 153)
	96	(48 - 153)
Dotriacontane	96	(35 - 143)
	97	(35 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I7J240184 **Matrix.....:** WATER
Date Sampled...: 10/23/07 15:33 **Date Received..:** 10/24/07 08:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: J9N701A6-MS/J9N701A7-MSD				MS Lot-Sample #: I7J240165-001	
	85 N	(90 - 110)			MCAWW 300.0A	11/01/07	7306102
	86 N	(90 - 110)	0.73	(0-20)	MCAWW 300.0A	11/01/07	7306102
		Dilution Factor: 1					
		Analysis Time..: 08:54					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of the NELAC standards. All data have been found to be compliant with laboratory protocol except as otherwise noted.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN-OF-CUSTODY ADDENDUM

Lot No: 175240184

CHECKED/RECEIVED BY: KA

COC NUMBER:

DATE/TIME RECEIVED: 10/24/07 08:10

QUOTE/PROFILE: 62511

UNPACKED DATE/TIME: 10/24/07 10:00

CLIENT/PROJECT: Data Tech

SAMPLES LOGGED IN: LOG-IN REVIEWED:

Number of Shipping Containers Received with Chain of Custody: 3

CC

CMB

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: KA

Container Sealed: ☑ YES ☐ NO Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

If seal not intact list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT: 1

Canister Valves Closed: ☐ YES ☐ NO Samples Received Match Chain: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO Other Equipment Received: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Packing Material Used: (circle) Chain-of-Custody form properly maintained: ☐ YES ☐ NO

None / Absorbent / Paper / Bubble Wrap Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: KA **IR THERMOMETER #:** ☐ 4 ☑ P5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container CF = Correction Factor [*acceptable tolerance 4°C ± 2°]*

TB ☑ SC ☐	TB ☑ SC ☐	TB ☑ SC ☐	TB ☐ SC ☐	TB ☐ SC ☐	TB ☐ SC ☐	TB ☐ SC ☐	TB ☐ SC ☐
Initial 2.6	Initial 2.3	Initial 2.0	Initial	Initial	Initial	Initial	Initial
CF 0.0	CF 0.0	CF 0.0	CF	CF	CF	CF	CF
Final 2.6	Final 2.3	Final 2.0	Final	Final	Final	Final	Final

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☑ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☐ NA ☑ YES ☑ VOA Samples **VERIFIED BY:** KA

NOTE: pH CHECK OF SAMPLES FOR 1664A ANALYSIS CHECK AT TIME OF ANALYSIS BY BENCH ANALYST
pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12: ☐ YES ☐ NO Acid preserved are<pH 2: ☑ YES ☐ NO

Cyanide samples checked for sulfides: ☐ YES Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine per specification (N.C.) ☐ YES Free chlorine present: ☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN-OF-CUSTODY ADDENDUM

Lot No: 270240184

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: [illegible]

Samples received match COC:	☐ YES	☑ NO	Bottles received intact:	☑ YES	☐ NO
See additional discrepancies/comments section:	☑ YES	☐ NO	Samples received from USDA restricted area:	☐ YES	☑ NO
Chain-of-Custody form properly maintained:	☑ YES	☐ NO	VOA trip blanks included: 2x40mL	☑ YES ☐ NO	☐ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

Received: SVE-1 - 3x1L (Chain samp 2L)
Dup 4x1L (Chain samp 2L) 2x250mL U.P. (Chain samp 1 received)
MW-13 4x40mL not on chain
Log MW-13 for 8021 pending response from G. Pope
Used extra liters + poly's labeled Dup for MW 13.

CORRECTIVE ACTION:

Client's Name: Greg Pope Informed verbally on: 10-24-07 By: CMS
Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments:
MW 13 & Dup are same sample
MW13 collected at 1:15 PM per Greg.

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: CMS Date: 10-24-07

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

STL4149 (1202)

CHAIN OF CUSTODY NUMBER
$0012720-002

I7J240184

SEVERN TRENT **STL**®
Severn Trent Laboratories, Inc.

33973

Client	Project Manager	Date	Page 1 of 2
Tetra Tech, Inc/	Greg Pope	10/17/2007	
Address: 1703 W Industrial Ave	Telephone Number (Area Code)/Fax Number: (432) 686-8081 / (000)	Lab Location: TestAmerica Austin	Analysis
City: Midland / State: TX / Zip Code: 79701	Site Contact: Greg Pope		
Project Number/Name: 3374 Line NM1-1 Remediation	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: CONTRACT / PURCHASE ORDER # : R/450TBD..../1/000010130143-00038/		QUOTE: 62511	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	GC8021-L	TPHV-L	TPHS-DRO	ICCL
SVE-1	10/23/07	900	WATER	1L	AMBER	2	None	2.6°C 10/24/07			X	
SVE-1	↓	900	WATER	40mL	VIAL	4	1:1 HCL	see COC [illegible]	X	X		
SVE-1	↓	900	WATER	250mL	PLASTIC	1	None					X
~~SVE-1~~ IW-2	10/23/07	930	WATER	1L	AMBER	2	None				X	
IW-2	↓	930	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-2	↓	930	WATER	250mL	PLASTIC	1	None					X
IW-3	10/23/07	1005	WATER	1L	AMBER	2	None				X	
IW-3	↓	1005	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-3	↓	1005	WATER	250mL	PLASTIC	1	None					X
IW-4	10/23/07	1030	WATER	1L	AMBER	2	None				X	
IW-4		1030	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-4		1030	WATER	250mL	PLASTIC	1	None					X
IW-5	10/23/07	1100	WATER	1L	AMBER	2	None				X	
IW-5	10/23/07	1100	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-5	10 23 07	1100	WATER	250mL	PLASTIC	1	None					X

Special Instructions: TPH-GRO & DRO, 8021 BTEX; 300 chloride

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Jethya Deems [signature]	10/23/07	4:00	[signature]	10/24/07	0810
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

74/75

83974

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0012720-003

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

STL4149 (1202)

Client	Project Manager	Date
Tetra Tech, Inc/	Greg Pope	10/17/2007
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
1703 W Industrial Ave	(432) 686-8081 / (000)	TestAmerica Austin
City / **State** / **Zip Code**	**Site Contact**	
Midland / TX / 79701	Greg Pope	
Project Number/Name	**Carrier/Waybill Number**	
3374 Line NM1-1 Remediation		

Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : R/450TBD..../1/0000010130143-00038/ QUOTE: 62511

Page 3 of 3

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC8021 BTEX	Analysis: TPH GRO	Analysis: TPH DRO	Analysis: ICCL
IW-7	10/23/07	12:35	WATER	1L	AMBER	2	None	2.3 [illegible] 10/24/07 3oz COC [illegible]			X	
IW-7	10/23/07	12:35	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-7	10/23/07	12:35	WATER	250mL	PLASTIC	1	None					X
EW-2	10/23/07	250	WATER	1L	AMBER	2	None				X	
EW-2	↓	250	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-2	↓	250	WATER	250mL	PLASTIC	1	None					X
TRIP BLANK 2	10/23/07		WATER	40mL	VIAL	2	1:1 HCL		X	X		
DUP	10 23 07		water	1 L	Amber	2	NONE				X	
DUP	10 23 07		water	40 mL	Vial	4	1:1 HCL		X	X		
DUP	10 23 07		water	250 mL	Plastic	1	NONE				X	

Special Instructions: TPH-GRO & DRO, 8021 BTEX; 300 chloride

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☑ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Jeffrey A Deems	10/23/07	4:00	[signature]	10/24/07	0810
2.						
3.						

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

75/75

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

Conoco, Inc.

Certificate of Analysis Number:

08011370

Report To:		Project Name:	PPL NM1-1
Tetra Tech		Site:	Hobbs
Greg Pope		Site Address:	
1703 W Industrial Avenue			
		PO Number:	
Midland		State:	New Mexico
TX		State Cert. No.:	
79701-		Date Reported:	2/12/2008
ph: (432) 686-8081	fax:		

This Report Contains A Total Of 25 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

2/13/2008

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, Inc.

Certificate of Analysis Number:

08011370

Report To:		Project Name:	PPL NM1-1
Tetra Tech		Site:	Hobbs
Greg Pope		Site Address:	
1703 W Industrial Avenue			
		PO Number:	
Midland		State:	New Mexico
TX		State Cert. No.:	
79701-		Date Reported:	2/12/2008
ph: (432) 686-8081	fax:		

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

At the time of sample receipt, it was noted that SPL received three amber liter containers for sample ID "SVE-1" (SPL ID: 08011370-01), however only two containers were listed on chain of custody.

At the time of sample receipt, it was noted that SPL received sample ID "Trip Blank" (SPL ID: 08011370-10) not listed on the chain of custody. Per your email on January 30, 2008, the sample was analyzed for Purgeable Aromatics by SW846 Method 8021B.

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

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

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

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

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

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

Bethany Agarwal

Bethany A. Agarwal
Senior Project Manager

Date

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

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

Conoco, Inc.

Certificate of Analysis Number:

08011370

Report To: Tetra Tech
Greg Pope
1703 W Industrial Avenue

Midland
TX
79701-
ph: (432) 686-8081 fax: (432) 686-8085

Fax To:

Project Name: PPL NM1-1
Site: Hobbs
Site Address:

PO Number:
State: New Mexico
State Cert. No.:
Date Reported: 2/12/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SVE-1	08011370-01	Water	1/29/2008 8:50:00 AM	1/30/2008 10:00:00 AM	299136	☐
IW-2	08011370-02	Water	1/29/2008 9:25:00 AM	1/30/2008 10:00:00 AM	299136	☐
IW-3	08011370-03	Water	1/29/2008 10:20:00 AM	1/30/2008 10:00:00 AM	299137	☐
IW-4	08011370-04	Water	1/29/2008 10:46:00 AM	1/30/2008 10:00:00 AM	299137	☐
EW-2	08011370-05	Water	1/29/2008 2:45:00 AM	1/30/2008 10:00:00 AM	299137	☐
IW-5	08011370-06	Water	1/29/2008 11:10:00 AM	1/30/2008 10:00:00 AM	299149	☐
IW-7	08011370-07	Water	1/29/2008 1:30:00 AM	1/30/2008 10:00:00 AM	299149	☐
[illegible]8	08011370-08	Water	1/29/2008 2:00:00 AM	1/30/2008 10:00:00 AM	299138	☐
DUP-1	08011370-09	Water	1/29/2008 3:10:00 AM	1/30/2008 10:00:00 AM	299138	☐
Trip Blank	08011370-10	Water	1/29/2008	1/30/2008 10:00:00 AM	299138	☐

Bethany Agarwal

2/13/2008

Bethany A. Agarwal
Senior Project Manager

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: SVE-1 **Collected:** 01/29/2008 8:50 **SPL Sample ID:** 08011370-01

Site: Hobbs

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L		
Diesel Range Organics (C10-C28)	ND		0.1		1	02/07/08 21:50	NW	4269418
Surr: n-Pentacosane	55.8		% 20-150		1	02/07/08 21:50	NW	4269418

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	ND		0.1		1	02/06/08 5:29	NMa	4268181
Surr: 1,4-Difluorobenzene	110		% 60-155		1	02/06/08 5:29	NMa	4268181
Surr: 4-Bromofluorobenzene	89.3		% 50-158		1	02/06/08 5:29	NMa	4268181
ION CHROMATOGRAPHY				MCL	E300.0	Units: mg/L		
Chloride	120		5		10	02/05/08 18:43	A_E	4266106
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L		
Benzene	ND		1		1	02/06/08 5:29	NMa	4267788
Toluene	ND		1		1	02/06/08 5:29	NMa	4267788
Ethylbenzene	ND		1		1	02/06/08 5:29	NMa	4267788
m,p-Xylene	ND		1		1	02/06/08 5:29	NMa	4267788
o-Xylene	ND		1		1	02/06/08 5:29	NMa	4267788
Xylenes,Total	ND		1		1	02/06/08 5:29	NMa	4267788
Surr: 1,4-Difluorobenzene	107		% 39-163		1	02/06/08 5:29	NMa	4267788
Surr: 4-Bromofluorobenzene	90.7		% 57-157		1	02/06/08 5:29	NMa	4267788

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: IW-2 **Collected:** 01/29/2008 9:25 **SPL Sample ID:** 08011370-02

Site: Hobbs

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	37		2	20	02/08/08 0:47	NW	4269422
Surr: n-Pentacosane	D	*	% 20-150	20	02/08/08 0:47	NW	4269422

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/L**		
Gasoline Range Organics	0.27		0.1	1	02/08/08 16:40	ILS	4272034
Surr: 1,4-Difluorobenzene	113		% 60-155	1	02/08/08 16:40	ILS	4272034
Surr: 4-Bromofluorobenzene	125		% 50-158	1	02/08/08 16:40	ILS	4272034
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Chloride	78.4		5	10	02/05/08 19:32	A_E	4266109
PURGEABLE AROMATICS			**MCL**	**SW8021B**	**Units: ug/L**		
Benzene	ND		1	1	02/08/08 16:40	ILS	4272068
Toluene	ND		1	1	02/08/08 16:40	ILS	4272068
Ethylbenzene	ND		1	1	02/08/08 16:40	ILS	4272068
m,p-Xylene	ND		1	1	02/08/08 16:40	ILS	4272068
o-Xylene	ND		1	1	02/08/08 16:40	ILS	4272068
Xylenes,Total	ND		1	1	02/08/08 16:40	ILS	4272068
Surr: 1,4-Difluorobenzene	111		% 39-163	1	02/08/08 16:40	ILS	4272068
Surr: 4-Bromofluorobenzene	106		% 57-157	1	02/08/08 16:40	ILS	4272068

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: IW-3 **Collected:** 01/29/2008 10:20 **SPL Sample ID:** 08011370-03

Site: Hobbs

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				**MCL**	**SW8015B**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	41		2	20	02/08/08 1:12	NW	4269423
Surr: n-Pentacosane	D	*	% 20-150	20	02/08/08 1:12	NW	4269423

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS				**MCL**	**SW8015B**	**Units: mg/L**	
Gasoline Range Organics	0.71		0.1	1	02/08/08 17:08	ILS	4272035
Surr: 1,4-Difluorobenzene	129		% 60-155	1	02/08/08 17:08	ILS	4272035
Surr: 4-Bromofluorobenzene	181.7 MI	*	% 50-158	1	02/08/08 17:08	ILS	4272035
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Chloride	87.4		5	10	02/05/08 19:49	A_E	4266110
PURGEABLE AROMATICS				**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	ND		1	1	02/08/08 17:08	ILS	4272069
Toluene	ND		1	1	02/08/08 17:08	ILS	4272069
Ethylbenzene	ND		1	1	02/08/08 17:08	ILS	4272069
m,p-Xylene	1.1		1	1	02/08/08 17:08	ILS	4272069
o-Xylene	ND		1	1	02/08/08 17:08	ILS	4272069
Xylenes,Total	1.1		1	1	02/08/08 17:08	ILS	4272069
Surr: 1,4-Difluorobenzene	94.2		% 39-163	1	02/08/08 17:08	ILS	4272069
Surr: 4-Bromofluorobenzene	113		% 57-157	1	02/08/08 17:08	ILS	4272069

Qualifiers:

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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Client Sample ID: IW-4 **Collected:** 01/29/2008 10:46 **SPL Sample ID:** 08011370-04

Site: Hobbs

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	51			2	20	02/08/08 1:38	NW	4269424
Surr: n-Pentacosane	D	*	%	20-150	20	02/08/08 1:38	NW	4269424

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Gasoline Range Organics	0.42			0.1	1	02/08/08 17:36	ILS	4272036
Surr: 1,4-Difluorobenzene	128		%	60-155	1	02/08/08 17:36	ILS	4272036
Surr: 4-Bromofluorobenzene	135		%	50-158	1	02/08/08 17:36	ILS	4272036
ION CHROMATOGRAPHY					**MCL**	**E300.0**	**Units: mg/L**	
Chloride	34.7			2.5	5	02/05/08 20:38	A_E	4266113
PURGEABLE AROMATICS					**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	1.2			1	1	02/08/08 17:36	ILS	4272070
Toluene	ND			1	1	02/08/08 17:36	ILS	4272070
Ethylbenzene	ND			1	1	02/08/08 17:36	ILS	4272070
m,p-Xylene	ND			1	1	02/08/08 17:36	ILS	4272070
o-Xylene	ND			1	1	02/08/08 17:36	ILS	4272070
Xylenes,Total	ND			1	1	02/08/08 17:36	ILS	4272070
Surr: 1,4-Difluorobenzene	115		%	39-163	1	02/08/08 17:36	ILS	4272070
Surr: 4-Bromofluorobenzene	108		%	57-157	1	02/08/08 17:36	ILS	4272070

Qualifiers:

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

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8880 INTERCHANGE DRIVE
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Client Sample ID: EW-2 **Collected:** 01/29/2008 2:45 **SPL Sample ID:** 08011370-05

Site: Hobbs

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	45			2	20	02/08/08 2:03	NW	4269425
Surr: n-Pentacosane	D	*	%	20-150	20	02/08/08 2:03	NW	4269425

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Gasoline Range Organics	12			2.5	25	02/08/08 19:56	ILS	4272037
Surr: 1,4-Difluorobenzene	103		%	60-155	25	02/08/08 19:56	ILS	4272037
Surr: 4-Bromofluorobenzene	113		%	50-158	25	02/08/08 19:56	ILS	4272037
ION CHROMATOGRAPHY					**MCL**	**E300.0**	**Units: mg/L**	
Chloride	70.2			5	10	02/05/08 20:54	A_E	4266114
PURGEABLE AROMATICS					**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	3100			25	25	02/08/08 19:56	ILS	4272074
Toluene	26			25	25	02/08/08 19:56	ILS	4272074
Ethylbenzene	520			25	25	02/08/08 19:56	ILS	4272074
m,p-Xylene	490			25	25	02/08/08 19:56	ILS	4272074
o-Xylene	120			25	25	02/08/08 19:56	ILS	4272074
Xylenes,Total	610			25	25	02/08/08 19:56	ILS	4272074
Surr: 1,4-Difluorobenzene	127		%	39-163	25	02/08/08 19:56	ILS	4272074
Surr: 4-Bromofluorobenzene	108		%	57-157	25	02/08/08 19:56	ILS	4272074

Qualifiers:

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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Client Sample ID: IW-5 **Collected:** 01/29/2008 11:10 **SPL Sample ID:** 08011370-06

Site: Hobbs

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	4.9			1	10	02/08/08 2:54	NW	4269427
Surr: n-Pentacosane	50.0		%	20-150	10	02/08/08 2:54	NW	4269427

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Gasoline Range Organics	0.36			0.1	1	02/12/08 10:39	ILS	4275165
Surr: 1,4-Difluorobenzene	119		%	60-155	1	02/12/08 10:39	ILS	4275165
Surr: 4-Bromofluorobenzene	143		%	50-158	1	02/12/08 10:39	ILS	4275165
ION CHROMATOGRAPHY					**MCL**	**E300.0**	**Units: mg/L**	
Chloride	135			5	10	02/05/08 21:11	A_E	4266115
PURGEABLE AROMATICS					**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	ND			1	1	02/08/08 20:24	ILS	4272075
Toluene	ND			1	1	02/08/08 20:24	ILS	4272075
Ethylbenzene	ND			1	1	02/08/08 20:24	ILS	4272075
m,p-Xylene	1.4			1	1	02/08/08 20:24	ILS	4272075
o-Xylene	ND			1	1	02/08/08 20:24	ILS	4272075
Xylenes,Total	1.4			1	1	02/08/08 20:24	ILS	4272075
Surr: 1,4-Difluorobenzene	108		%	39-163	1	02/08/08 20:24	ILS	4272075
Surr: 4-Bromofluorobenzene	114		%	57-157	1	02/08/08 20:24	ILS	4272075

Qualifiers:

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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Client Sample ID: IW-7 **Collected:** 01/29/2008 1:30 **SPL Sample ID:** 08011370-07

Site: Hobbs

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	58			2	20	02/08/08 2:28	NW	4269426
Surr: n-Pentacosane	D	*	%	20-150	20	02/08/08 2:28	NW	4269426

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**	
Gasoline Range Organics	0.27			0.1	1	02/08/08 20:52	ILS	4272038
Surr: 1,4-Difluorobenzene	118		%	60-155	1	02/08/08 20:52	ILS	4272038
Surr: 4-Bromofluorobenzene	128		%	50-158	1	02/08/08 20:52	ILS	4272038
ION CHROMATOGRAPHY					**MCL**	**E300.0**	**Units: mg/L**	
Chloride	89.4			5	10	02/05/08 21:27	A_E	4266116
PURGEABLE AROMATICS					**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	ND			1	1	02/08/08 20:52	ILS	4272076
Toluene	ND			1	1	02/08/08 20:52	ILS	4272076
Ethylbenzene	ND			1	1	02/08/08 20:52	ILS	4272076
m,p-Xylene	ND			1	1	02/08/08 20:52	ILS	4272076
o-Xylene	ND			1	1	02/08/08 20:52	ILS	4272076
Xylenes,Total	ND			1	1	02/08/08 20:52	ILS	4272076
Surr: 1,4-Difluorobenzene	110		%	39-163	1	02/08/08 20:52	ILS	4272076
Surr: 4-Bromofluorobenzene	112		%	57-157	1	02/08/08 20:52	ILS	4272076

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
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Client Sample ID: MW-13 **Collected:** 01/29/2008 2:00 **SPL Sample ID:** 08011370-08

Site: Hobbs

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	0.65			0.1		1	02/08/08 8:26	NW	4269429
Surr: n-Pentacosane	69.4		%	20-150		1	02/08/08 8:26	NW	4269429

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**		
Gasoline Range Organics	15			5		50	02/06/08 10:35	NMa	4268187
Surr: 1,4-Difluorobenzene	113		%	60-155		50	02/06/08 10:35	NMa	4268187
Surr: 4-Bromofluorobenzene	93.9		%	50-158		50	02/06/08 10:35	NMa	4268187
ION CHROMATOGRAPHY					**MCL**	**E300.0**	**Units: mg/L**		
Chloride	70			5		10	02/05/08 21:44	A_E	4266117
PURGEABLE AROMATICS					**MCL**	**SW8021B**	**Units: ug/L**		
Benzene	5600			50		50	02/06/08 10:35	NMa	4267793
Toluene	ND			50		50	02/06/08 10:35	NMa	4267793
Ethylbenzene	600			50		50	02/06/08 10:35	NMa	4267793
m,p-Xylene	ND			50		50	02/06/08 10:35	NMa	4267793
o-Xylene	ND			50		50	02/06/08 10:35	NMa	4267793
Xylenes,Total	ND			50		50	02/06/08 10:35	NMa	4267793
Surr: 1,4-Difluorobenzene	114		%	39-163		50	02/06/08 10:35	NMa	4267793
Surr: 4-Bromofluorobenzene	91.1		%	57-157		50	02/06/08 10:35	NMa	4267793

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
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Client Sample ID: DUP-1 **Collected:** 01/29/2008 3:10 **SPL Sample ID:** 08011370-09

Site: Hobbs

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	0.97		0.1	1	02/08/08 9:45	NW	4269571
Surr: n-Pentacosane	91.4		% 20-150	1	02/08/08 9:45	NW	4269571

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/01/2008 13:29	N_M	1.00

GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/L**		
Gasoline Range Organics	14		2.5	25	02/06/08 11:03	NMa	4268188
Surr: 1,4-Difluorobenzene	118		% 60-155	25	02/06/08 11:03	NMa	4268188
Surr: 4-Bromofluorobenzene	97.5		% 50-158	25	02/06/08 11:03	NMa	4268188
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Chloride	73.1		5	10	02/05/08 22:00	A_E	4266118
PURGEABLE AROMATICS			**MCL**	**SW8021B**	**Units: ug/L**		
Benzene	5700		25	25	02/06/08 11:03	NMa	4267794
Toluene	ND		25	25	02/06/08 11:03	NMa	4267794
Ethylbenzene	630		25	25	02/06/08 11:03	NMa	4267794
m,p-Xylene	ND		25	25	02/06/08 11:03	NMa	4267794
o-Xylene	ND		25	25	02/06/08 11:03	NMa	4267794
Xylenes,Total	ND		25	25	02/06/08 11:03	NMa	4267794
Surr: 1,4-Difluorobenzene	131		% 39-163	25	02/06/08 11:03	NMa	4267794
Surr: 4-Bromofluorobenzene	94.3		% 57-157	25	02/06/08 11:03	NMa	4267794

Qualifiers:

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

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

Client Sample ID: Trip Blank **Collected:** 01/29/2008 0:00 **SPL Sample ID:** 08011370-10

Site: Hobbs

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS				**MCL**	**SW8021B**	**Units: ug/L**		
Benzene	ND		1		1	02/06/08 8:16	NMa	4267791
Toluene	ND		1		1	02/06/08 8:16	NMa	4267791
Ethylbenzene	ND		1		1	02/06/08 8:16	NMa	4267791
m,p-Xylene	ND		1		1	02/06/08 8:16	NMa	4267791
o-Xylene	ND		1		1	02/06/08 8:16	NMa	4267791
Xylenes,Total	ND		1		1	02/06/08 8:16	NMa	4267791
Surr: 1,4-Difluorobenzene	107		%	39-163	1	02/06/08 8:16	NMa	4267791
Surr: 4-Bromofluorobenzene	90.8		%	57-157	1	02/06/08 8:16	NMa	4267791

Qualifiers:

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

Quality Control Documentation

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Diesel Range Organics
Method: SW8015B
WorkOrder: 08011370
Lab Batch ID: 75357

Method Blank

RunID: HP_V_080207A-4269403 Units: mg/L
Analysis Date: 02/07/2008 13:24 Analyst: NW
Preparation Date: 02/01/2008 13:29 Prep By: N_M Method SW3510C

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.10
Surr: n-Pentacosane	47.8	20-150

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-01A	SVE-1
08011370-02A	IW-2
08011370-03A	IW-3
08011370-04A	IW-4
08011370-05A	EW-2
08011370-06A	IW-5
08011370-07A	IW-7
08011370-08A	MW-13
08011370-09A	DUP-1

Laboratory Control Sample (LCS)

RunID: HP_V_080207A-4269404 Units: mg/L
Analysis Date: 02/07/2008 13:50 Analyst: NW
Preparation Date: 02/01/2008 13:29 Prep By: N_M Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	2.00	1.83	91.3	21	130
Surr: n-Pentacosane	0.0500	0.0266	53.2	20	150

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

Sample Spiked: 08020008-06
RunID: HP_V_080207A-4269411 Units: mg/L
Analysis Date: 02/07/2008 16:47 Analyst: NW
Preparation Date: 02/01/2008 16:35 Prep By: N_M 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
Diesel Range Organics (C10-C28)	2.07	2	4.15	104	2	4.32	112	3.99	39	21	130
Surr: n-Pentacosane	ND	0.05	0.0428	85.6	0.05	0.0391	78.2	9.04	30	20	150

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Diesel Range Organics
Method: SW8015B
WorkOrder: 08011370
Lab Batch ID: 75357

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

Sample Spiked: 08011370-01
RunID: HP_V_080207A-4269419 Units: mg/L
Analysis Date: 02/07/2008 22:15 Analyst: NW
Preparation Date: 02/01/2008 13:29 Prep By: N_M 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
Diesel Range Organics (C10-C28)	ND	4	3.57	88.2	4	3.57	88.1	0.112	39	21	130
Surr: n-Pentacosane	ND	0.1	0.067	67.0	0.1	0.0711	71.1	5.94	30	20	150

Qualifiers:

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

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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 08011370
Lab Batch ID: R227227

Method Blank

RunID: HP_U_080206A-4267783 Units: ug/L
Analysis Date: 02/06/2008 3:10 Analyst: NMa
Preparation Date: 02/06/2008 3:10 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	107.2	39-163
Surr: 4-Bromofluorobenzene	89.8	57-157

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-01C	SVE-1
08011370-08C	MW-13
08011370-09C	DUP-1
08011370-10A	Trip Blank

Laboratory Control Sample (LCS)

RunID: HP_U_080206A-4267782 Units: ug/L
Analysis Date: 02/06/2008 2:42 Analyst: NMa
Preparation Date: 02/06/2008 2:42 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.3	101	70	130
Ethylbenzene	20.0	20.9	104	70	130
Toluene	20.0	20.2	101	70	130
m,p-Xylene	40.0	40.6	102	70	130
o-Xylene	20.0	20.1	100	70	130
Xylenes,Total	60.0	60.7	101	70	130
Surr: 1,4-Difluorobenzene	30.0	31.9	106	39	163
Surr: 4-Bromofluorobenzene	30.0	27.3	91.2	57	157

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

Sample Spiked: 08020086-01
RunID: HP_U_080206A-4267815 Units: ug/L
Analysis Date: 02/06/2008 16:55 Analyst: NMa

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 08011370
Lab Batch ID: R227227

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	1.28	20	21.6	102	20	21.9	103	1.49	26	40	165
Ethylbenzene	ND	20	21.6	108	20	21.6	108	0.357	34	51	156
Toluene	ND	20	20.2	101	20	20.7	103	2.52	25	58	153
m,p-Xylene	ND	40	41.5	104	40	41.7	104	0.497	27	51	155
o-Xylene	ND	20	20.3	101	20	20.3	102	0.345	25	58	151
Xylenes,Total	ND	60	61.8	103	60	62.0	103	0.447	27	51	155
Surr: 1,4-Difluorobenzene	ND	30	30.7	102	30	32.1	107	4.42	30	39	163
Surr: 4-Bromofluorobenzene	ND	30	27.4	91.4	30	27.3	91.2	0.242	30	57	157

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Gasoline Range Organics
Method: SW8015B
WorkOrder: 08011370
Lab Batch ID: R227241

Method Blank

RunID: HP_U_080206C-4268179 Units: mg/L
Analysis Date: 02/06/2008 3:10 Analyst: NMa
Preparation Date: 02/06/2008 3:10 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	108.7	60-155
Surr: 4-Bromofluorobenzene	90.3	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-01D	SVE-1
08011370-08D	MW-13
08011370-09D	DUP-1

Laboratory Control Sample (LCS)

RunID: HP_U_080206C-4268178 Units: mg/L
Analysis Date: 02/06/2008 2:14 Analyst: NMa
Preparation Date: 02/06/2008 2:14 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.884	88.4	42	136
Surr: 1,4-Difluorobenzene	0.0300	0.0397	132	60	155
Surr: 4-Bromofluorobenzene	0.0300	0.0288	96.0	50	158

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

Sample Spiked: 08020086-02
RunID: HP_U_080206C-4268192 Units: mg/L
Analysis Date: 02/06/2008 17:51 Analyst: NMa

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	1.02	96.2	1	1.03	96.8	0.567	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.03	0.0404	135	0.03	0.0406	135	0.494	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.03	0.0298	99.3	0.03	0.0306	102	2.65	30	50	158

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 08011370
Lab Batch ID: R227473

Method Blank

RunID: HP_U_080208A-4271950 Units: mg/L
Analysis Date: 02/08/2008 15:28 Analyst: ILS
Preparation Date: 02/08/2008 15:28 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	99.3	60-155
Surr: 4-Bromofluorobenzene	102.3	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-02D	IW-2
08011370-03D	IW-3
08011370-04D	IW-4
08011370-05D	EW-2
08011370-07D	IW-7

Laboratory Control Sample (LCS)

RunID: HP_U_080208A-4271948 Units: mg/L
Analysis Date: 02/08/2008 14:03 Analyst: ILS
Preparation Date: 02/08/2008 14:03 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.820	82.0	42	136
Surr: 1,4-Difluorobenzene	0.0300	0.0356	119	60	155
Surr: 4-Bromofluorobenzene	0.0300	0.035	117	50	158

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

Sample Spiked: 08020045-05
RunID: HP_U_080208A-4272047 Units: mg/L
Analysis Date: 02/08/2008 23:41 Analyst: ILS

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.819	79.2	1	0.825	79.8	0.767	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.03	0.0365	122	0.03	0.0364	121	0.274	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.03	0.0332	111	0.03	0.0336	112	1.20	30	50	158

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 08011370
Lab Batch ID: R227478

Method Blank

RunID: HP_U_080208B-4272066 Units: ug/L
Analysis Date: 02/08/2008 15:28 Analyst: ILS
Preparation Date: 02/08/2008 15:28 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	106.3	39-163
Surr: 4-Bromofluorobenzene	101.5	57-157

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-02C	IW-2
08011370-03C	IW-3
08011370-04C	IW-4
08011370-05C	EW-2
08011370-06C	IW-5
08011370-07C	IW-7

Laboratory Control Sample (LCS)

RunID: HP_U_080208B-4272064 Units: ug/L
Analysis Date: 02/08/2008 14:31 Analyst: ILS
Preparation Date: 02/08/2008 14:31 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.8	93.8	70	130
Ethylbenzene	20.0	19.0	95.0	70	130
Toluene	20.0	18.5	92.5	70	130
m,p-Xylene	40.0	38.0	95.0	70	130
o-Xylene	20.0	18.9	94.3	70	130
Xylenes,Total	60.0	56.9	94.8	70	130
Surr: 1,4-Difluorobenzene	30.0	32.3	108	39	163
Surr: 4-Bromofluorobenzene	30.0	31.7	106	57	157

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

Sample Spiked: 08020045-11
RunID: HP_U_080208B-4272119 Units: ug/L
Analysis Date: 02/09/2008 5:18 Analyst: ILS

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Purgeable Aromatics **WorkOrder:** 08011370
Method: SW8021B **Lab Batch ID:** R227478

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	6.12	20	71.1	325 *	20	72.8	333 *	2.30	26	40	165
Ethylbenzene	ND	20	20.3	101	20	20.8	104	2.66	34	51	156
Toluene	ND	20	23.3	113	20	24.8	120	6.17	25	58	153
m,p-Xylene	ND	40	38.4	95.2	40	39.3	97.4	2.25	27	51	155
o-Xylene	ND	20	19.4	96.8	20	19.6	98.1	1.30	25	58	151
Xylenes,Total	ND	60	57.8	95.7	60	58.9	97.6	1.94	27	51	155
Surr: 1,4-Difluorobenzene	ND	30	35.6	119	30	34.1	114	4.30	30	39	163
Surr: 4-Bromofluorobenzene	ND	30	31.4	105	30	32.5	108	3.55	30	57	157

Qualifiers:

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

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Gasoline Range Organics **WorkOrder:** 08011370
Method: SW8015B **Lab Batch ID:** R227655

Method Blank

RunID: HP_U_080212B-4275159 Units: mg/L
Analysis Date: 02/12/2008 2:44 Analyst: ILS
Preparation Date: 02/12/2008 2:44 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-06D	IW-5

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	86.3	60-155
Surr: 4-Bromofluorobenzene	105.3	50-158

Laboratory Control Sample (LCS)

RunID: HP_U_080212B-4275158 Units: mg/L
Analysis Date: 02/12/2008 2:17 Analyst: ILS
Preparation Date: 02/12/2008 2:17 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.826	82.6	42	136
Surr: 1,4-Difluorobenzene	0.0300	0.0346	115	60	155
Surr: 4-Bromofluorobenzene	0.0300	0.0346	115	50	158

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

Sample Spiked: 08020416-01
RunID: HP_U_080212B-4275163 Units: mg/L
Analysis Date: 02/12/2008 9:16 Analyst: ILS

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.652	65.1	1	0.635	63.5	2.61	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.03	0.0328	109	0.03	0.0327	109	0.305	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.03	0.0337	112	0.03	0.0335	112	0.595	30	50	158

Qualifiers:

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

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

Quality Control Report

Conoco, Inc.

PPL NM1-1

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 08011370
Lab Batch ID: R227126S

Method Blank

RunID: IC1_080205A-4266104 Units: mg/L
Analysis Date: 02/05/2008 18:10 Analyst: A_E

Analyte	Result	Rep Limit
Chloride	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08011370-01B	SVE-1
08011370-02B	IW-2
08011370-03B	IW-3
08011370-04B	IW-4
08011370-05B	EW-2
08011370-06B	IW-5
08011370-07B	IW-7
08011370-08B	MW-13
08011370-09B	DUP-1

Laboratory Control Sample (LCS)

RunID: IC1_080205A-4266105 Units: mg/L
Analysis Date: 02/05/2008 18:27 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.739	97.39	85	115

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

Sample Spiked: 08011370-01
RunID: IC1_080205A-4266107 Units: mg/L
Analysis Date: 02/05/2008 18:59 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
Chloride	120.2	100	236.7	116.5	100	236.7	116.5	0.009295	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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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:	08011370	Received By:	ERH
Date and Time Received:	1/30/2008 10:00:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	4.5/3.5/3.0/4.0°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels? 1.Received 1-extra amber liter for ID#SVE-1 (3) only.2 listed on chain of custody. Received 1-set of Trip Blanks not written on chain of custody.	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:** 1/30/2008 4:41:00 PM

Client Name Contacted: Greg Pope

Non Conformance Issues:

Client Instructions: Analyze the trip blank for 8021 Btex per client.

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08011370 | 299136 | page 1 of 4

Client Name: Tetra Tech
Address: 1203 W Industrial
Phone/Fax: 432 686 7081
Client Contact: Grey Pope Email:
Project Name/No.: PPL NM 1-1
Site Name:
Site Location: Hobbs
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: BTEX 8021	GRO 8015	DRO 8015	Chloride 300
SVE-1	29Jan08	850		X	W	A	1	1	2			X	
↓	↓	↓		X	W	P	1	X	1				X
				X	W	V	40	1	3	X			
↓	↓	↓		X	W	V	40	1	3		X		
IW-2	29Jan08	925		X	W	A	1	1	2			X	
↓	↓	↓		X	W	P	1	X	1				X
↓	↓	↓		X	W	V	40	1	3	X			
IW-2	29Jan08	925		X	W	V	40	1	3		X		

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp: 4.5/4.0/3.5/3.0

Requested TAT

Contract ☐ 72hr ☐ 24hr ☐ Standard ☐ 48hr ☐ Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: JA Ortiz	29Jan08	4:00	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 1-30-08	time 10:00	6. Received by Laboratory:

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

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

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

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08011370 — 299137

page 2 of 4

Client Name: TeTRA Tech
Address: 1703 W Industrial
Phone/Fax: 432 686 8081
Client Contact: Greg Pope Email:
Project Name/No.: PPL NM-1-1
Site Name: Hobbs
Site Location:
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: BTEX 8021B	GRO 8015B	DRO 8015B	Chlorides
IW-3	29Jan08	1020		X	W	A	1	1	2			X	
				X	W	P	1	X	1				X
				X	W	V	40	1	3	X			
				X	W	V	40	1	3		X		
IW-4	29Jan08	1046		X	W	A	1	1	2			X	
				X	W	P	1	X	1				X
				X	W	V	40	1	3	X			
IW-4	29Jan08	1046		X	W	V	40	1	3		X		
EW-2		245		X	W	A	1	1	2			X	
EW-2		245		X	W	P	1	X	1				X

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp: 4.5/4.0/3.5/3.0

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): EB PA

	date	time	
1. Relinquished by Sampler: JA Deems	1 29 08	400	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 1-30-08	time 10:00	6. Received by Laboratory:

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

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

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

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08011390 | 299149 | page 3 of 4

Client Name:	TETRA Tech
Address:	1703 W. Industrial
Phone/Fax:	432 686 8081
Client Contact:	Greg Pope Email:
Project Name/No.:	PPL NM-1-1
Site Name:	
Site Location:	Hobbs
Invoice To:	Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	BTEX 8021	GRO 8015	DRO 8015	Chlorides 300
IW-5	29 Jan 08	11:10		X	W	A	1	1	2			X	
				X	W	P	1	X	1				X
				X	W	V	40	1	3	X			
IW-5	29 Jan 08	11:10		X	W	V	40	1	3		X		
IW-7	29 Jan 08	1138		X	W	A	1	1	2			X	
		130		X	W	P	1	X	1				X
		130		X	W	V	40	1	3	X			
IW-7	29 Jan 08	~~135~~ 130		X	W	V	40	1	3		X		
EW-2		245		X	W	V	40	1	3	X			
EW-2		245		X	W	V	40	1	3		X		

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp 4.0/4.5 3.0/3.5

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time		
1. Relinquished by Sampler: JA Deems	29 Jan 08	400	2. Received by:	
3. Relinquished by:	date	time	4. Received by:	
5. Relinquished by:	1-30-08	10:00	6. Received by Laboratory:	

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

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

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

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 080113?0 — 299138 — page 4 of 4

Client Name:	Tetra Tech
Address:	1703 W Industrial
Phone/Fax:	432 686 8081
Client Contact:	Greg Pope Email:
Project Name/No.:	PPL NM-1-1
Site Name:	
Site Location:	Hobbs
Invoice To:	Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: BTEX 8021	GRO 8015	DRO 8015	Chlorides 300
MW-13	29Jan08	200		X	W	A	1	1	2			X	
		200		X	W	P	1	X	1				X
		200		X	W	V	40	1	3	X			
		200		X	W	V	40	1	3		X		
DUP-1	29Jan08	310		X	W	A	1	1	2			X	
				X	W	P	1	X	1				X
				X	W	V	40	1	3	X			
DUP-1	29Jan08			X	W	V	40	1	3		X		
—	—	—											
—	—	—											

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N
Ice? Y N
Temp 4.5 / 4.0 / 3.5 / 3.8 c

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☐
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: SA Deems	date 29Jan08	time 400	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 1-30-08	time 1000	6. Received by Laboratory:

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

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

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

APPENDIX C
C-117A Disposal Permits

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-117 A
Revised June 10, 2003

Submit 5 Copies to
Appropriate District Office

PERMIT NO. H-30184

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Tetra Tech, Inc. (for ConocoPhillips, Inc.) Address 1703 W. Industrial Ave., Midland, TX 79701

Lease or Facility Name NM1-1 ConocoPhillips Remediation Site Location Sec 9, T19S, R38E
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

☐ Tank Cleaning ☐ Sediment Oil Removal ☒ Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work Greg W. Pope

Date Work to be Performed March 13, 2007

TANK CLEANING DATA Tank Number _____ Volume _____

Tank Type _____ Volume Below Load Line _____

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil from: ☐ Pit ☐ Cellar ☐ Other

MISCELLANEOUS OIL

Tank Bottoms From: ☐ Pipeline Station ☐ Crude Terminal ☐ Refinery ☐ Other*

Catchings From: ☐ Gasoline Plant ☐ Gathering Lines ☐ Salt Water Disposal System ☒ Other*

☐ Pipeline Break Oil or Spill

*Other (Explain) Remediation System Groundwater and Crude Oil Recovery Tank

VOLUME AND DESTINATION: Estimated Volume 120 Bbls. Field test volume of good oil _____ Bbls.
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) Sundance Services, Eunice, NM

DESTRUCTION OF SEDIMENT OIL BY: ☐ Burning ☐ Pit Disposal ☐ Use on Roads or firewalls ☐ Other

(Explain) _____

Location of Destruction _____

Justification of Destruction _____

CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF THE FOLLOWING)
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Owner ConocoPhillips, Inc.	Transporter Key Energy Services	
By Greg W. Pope (Tetra Tech, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240	
Title Project Manager	Signature Debra Wade	
E-mail Address gwpope57@aol.com	E-mail Address	
Date March 8, 2007	Title Dispatcher	Date March 8, 2007

OIL CONSERVATION DIVISION

Approved By Nelda Morgan Title Business Operations Specialist Date 3/8/2007

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OCD	
	Santa Fe
	File
	Operator
	Transporter (2)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-117 A
Revised June 10, 2003

Submit 5 Copies to
Appropriate District Office

PERMIT NO. H-30864

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Tetra Tech, Inc. (for ConocoPhillips, Inc.) Address 1703 W. Industrial Ave., Midland, TX 79701

Lease or Facility Name NM1-1 ConocoPhillips Remediation Site Location Sec 9, T19S, R38E
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

☐ Tank Cleaning ☐ Sediment Oil Removal ☒ Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work Greg W. Pope

Date Work to be Performed October 11, 2007

TANK CLEANING DATA Tank Number _____ Volume _____

Tank Type _____ Volume Below Load Line _____

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil from: ☐ Pit ☐ Cellar ☐ Other

MISCELLANEOUS OIL

Tank Bottoms From: ☐ Pipeline Station ☐ Crude Terminal ☐ Refinery ☐ Other*

Catchings From: ☐ Gasoline Plant ☐ Gathering Lines ☐ Salt Water Disposal System ☒ Other*

☐ Pipeline Break Oil or Spill

*Other (Explain) Remediation System Groundwater and Crude Oil Recovery Tank – groundwater with minor crude oil

VOLUME AND DESTINATION: Estimated Volume 55 Bbls. Field test volume of good oil _____ Bbls.
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) Sundance Services, Eunice, NM

DESTRUCTION OF SEDIMENT OIL BY: ☐ Burning ☐ Pit Disposal ☐ Use on Roads or firewalls ☐ Other

(Explain) _____

Location of Destruction _____

Justification of Destruction _____

CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF THE FOLLOWING)
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Owner ConocoPhillips, Inc.	Transporter Key Energy Services
By Greg W. Pope (Tetra Tech, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240
Title Project Manager	Signature Debra Wade
E-mail Address gwpope57@aol.com	E-mail Address
Date October 4, 2007	Title Dispatcher — Date October 4, 2007

OIL CONSERVATION DIVISION

Approved By Melba Morgan Title Business Operations Specialist Date 10/9/2007

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OCD	
	Santa Fe
	File
	Operator
	Transporter (2)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-117 A
Revised June 10, 2003

Submit 5 Copies to
Appropriate District Office

PERMIT NO. H-31159

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Tetra Tech, Inc. (for ConocoPhillips, Inc.) Address 1703 W. Industrial Ave., Midland, TX 79701

Lease or Facility Name NMJ-1 ConocoPhillips Remediation Site Location Sec 9, T19S, R38E
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

☐ Tank Cleaning ☐ Sediment Oil Removal ☒ Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work Greg W. Pope

Date Work to be Performed February 12, 2008

TANK CLEANING DATA Tank Number _____ Volume _____

Tank Type _____ Volume Below Load Line _____

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil from: ☐ Pit ☐ Cellar ☐ Other

MISCELLANEOUS OIL

Tank Bottoms From: ☐ Pipeline Station ☐ Crude Terminal ☐ Refinery ☐ Other*

Catchings From: ☐ Gasoline Plant ☐ Gathering Lines ☐ Salt Water Disposal System ☒ Other*

☐ Pipeline Break Oil or Spill

*Other (Explain) Remediation System Groundwater and Crude Oil Recovery Tank – groundwater with minor crude oil

VOLUME AND DESTINATION: Estimated Volume 70 Bbls. Field test volume of good oil _____ Bbls.
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) Sundance Services, Eunice, NM

DESTRUCTION OF SEDIMENT OIL BY: ☐ Burning ☐ Pit Disposal ☐ Use on Roads or firewalls ☐ Other

(Explain) _____

Location of Destruction _____

Justification of Destruction _____

CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF THE FOLLOWING)
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Owner ConocoPhillips, Inc.	Transporter Key Energy Services
By Greg W. Pope (Tetra Tech, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240
Title Project Manager	Signature Debra Wade
E-mail Address gwpope57@aol.com	E-mail Address
Date February 8, 2008	Title Dispatcher / Date February 8, 2008

OIL CONSERVATION DIVISION

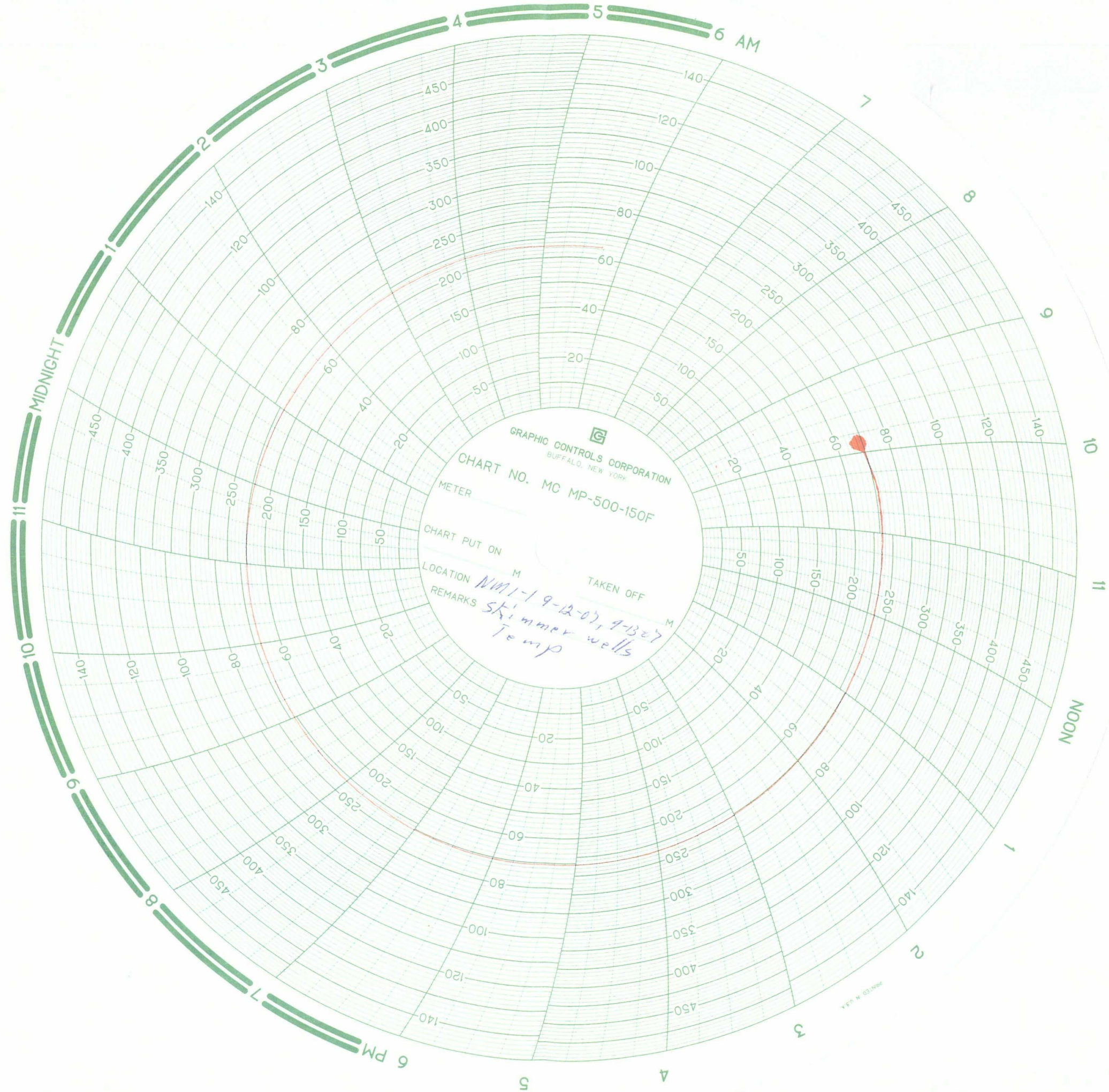
Approved By Melda Mayza Title Business Operations Specialist Date 2/8/2008

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OCD
- Santa Fe
- File
- Operator
- Transporter (2)

APPENDIX D

Line Pressure Testing Recorder Charts


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-500-150F
METER
CHART PUT ON M
TAKEN OFF M
LOCATION NM1-19-12-07, 9-12-07
REMARKS Shimmer wells Temp
MIDNIGHT
1
2
3
4
5
6 AM
7
8
9
10
11
NOON
1
2
3
4
5
6 PM
7
8
9
10
11

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-500-150F

METER

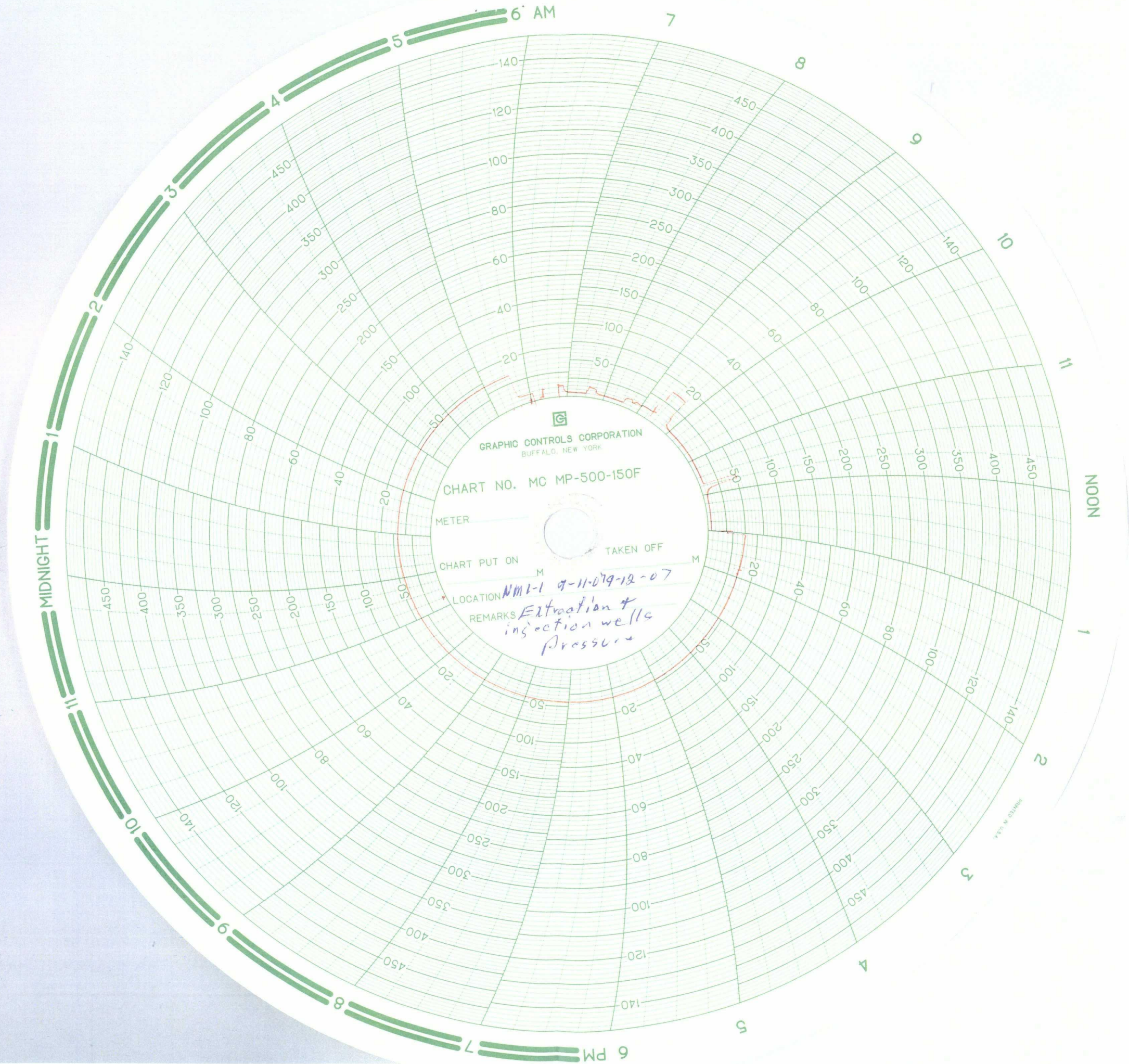
CHART PUT ON TAKEN OFF

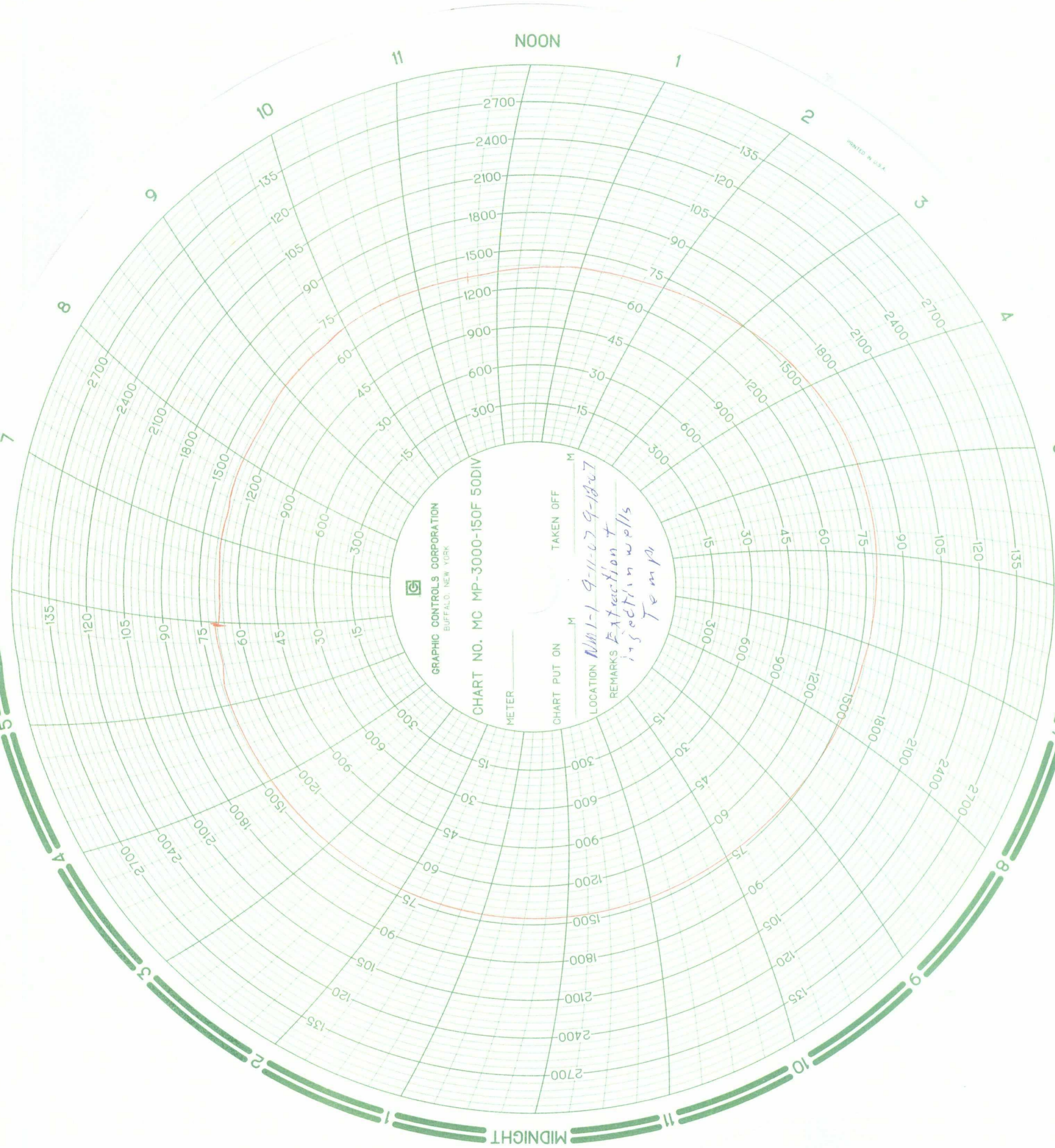
M M

LOCATION NM 1-1 9-12-07 9-13-07

REMARKS Skimmer wells
Pressure

MIDNIGHT 1 2 3 4 5 6 AM 7 8 9 10 11 NOON 1 2 3 4 5 6 PM 7 8 9 10 11 MIDNIGHT


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-500-150F
METER
CHART PUT ON
M
TAKEN OFF
M
LOCATION NM1-1 9-11-079-12-07
REMARKS Extraction & injection wells Pressure
MIDNIGHT
6 AM
NOON
6 PM
PRINTED IN U.S.A.


NOON
MIDNIGHT
6 AM
6 PM
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-3000-150F 50DIV
METER
CHART PUT ON
M
TAKEN OFF
M
LOCATION NW L-1 9-11-67 9-18-67
REMARKS Extraction +
Injection wells
Temp