AP - 010

ANNUAL MONITORING REPORT

YEAR(S): 2005/2006

Neal Goates
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ConocoPhillips

April 14, 2006

RECEIVED

APR 24 2006

Oil Conservation Division
Environmental Bureau

Mr. Wayne Price
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 2005 THROUGH FEBRUARY 2006
ConocoPhillips Line NM1-1
Hobbs, Lea County, New Mexico

Dear Mr. Price:

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 2005 through February 2006 relating to the operation, maintenance and monitoring of the remediation system, quarterly groundwater monitoring, sampling and analyses, and disposal of accumulated wastes.

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

Sincerely,

Neal Goates
Site Manager
Risk Management and Remediation
ConocoPhillips

cc: w/ attachment

Chris Williams, NMOCD, Hobbs, NM
Greg Pope, Maxim, Midland, TX

ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT

MARCH 2005 THROUGH FEBRUARY 2006

CONOCOPHILLIPS
LINE NM1-1 (AP-10)

HOBBS, LEA COUNTY, NEW MEXICO

Prepared for:

ConocoPhillips

Prepared By:

MAXIM Technologies
A DIVISION OF TETRA TECH, INC.
1703 W. Industrial Avenue
Midland, Texas 79701

April 12, 2006

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

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

April 12, 2006

Mr. Wayne Price
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 2005 THROUGH FEBRUARY 2006
ConocoPhillips Line NM1-1 (AP-10)
Hobbs, Lea County, New Mexico

INTRODUCTION

On behalf of ConocoPhillips, formerly Phillips Pipe Line Company, 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, and is a summary of the following activities performed from March 2005 through February 2006:

- Groundwater Monitoring and Sampling
- Groundwater Extraction, Treatment and Re-injection
- Treated Groundwater Effluent Sampling
- Free Petroleum Hydrocarbon Gauging, Recovery and Disposal
- Remediation System Operation and Maintenance

During this time period, no new groundwater monitoring wells or remediation wells were installed at the Site. With verbal approval from NMOCD, the groundwater extraction, treatment and re-injection system was shut down on September 21, 2006 due to detections of volatile organic compounds (VOCs) reported in the monthly groundwater effluent sample collected on August 24, 2006 and the following sample collected on September 20, 2006, indicating a breakthrough in the granular activated carbon (GAC) due to VOC loading. Also,

thin measurable layers of crude oil were observed on the groundwater in the six (6) groundwater re-injection wells during the October 2006 groundwater monitoring event, in two (2) of the re-injection wells in January 2006. Due to these two factors, the groundwater extraction, treatment and re-injection system has remained off since September 21, 2006. All Site activities were performed according to the conditions described in Discharge Permit GW-349.

This report also presents four quarters of groundwater monitoring data collected in April, July and October 2005, and January 2006.

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. On September 24, 2003, Maxim assumed operation and maintenance of the system, and has continued the required Site monitoring activities.

HEALTH AND SAFETY

Maxim 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 2006). 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 Maxim. 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 18 and 19, July 18 and 19, October 17 and 18, 2005, and January 23 and 24, 2006. Accessible monitoring, recovery and remediation wells were measured for groundwater elevations prior to the sampling events. Wells IW-2, IW-3, IW-4, IW-5, IW-6, IW-7, MW-13 and SVE-1 were sampled during all four quarterly sampling events. Well EW-2 was also sampled during the July 2005 and January 2006 sampling events. 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 for chloride by Method 300.0A. Samples collected in April 2005 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 0.0034 to 0.0045 feet per foot (ft/ft). Groundwater elevations show an overall decreasing trend after peaking during the January 2005 event last year. 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. The concentrations of dissolved constituents seen in the IWs in October 2005 may be biased high due to the thin layers of crude oil measured in these wells during this monitoring event. Results of the April 2005 WQCC analysis reported dissolved metals at naturally occurring background concentrations. Analysis for TDS reported concentrations ranging from 668 to 744 milligrams per liter (mg/L). No detectable concentrations of PAH were reported in any of the groundwater samples during this event.

GROUNDWATER EXTRACTION, TREATMENT AND RE-INJECTION

A summary of the groundwater extraction, treatment and effluent discharge volumes for each of the remediation wells and the air stripper tower is presented in Table 3. These data show an overall totalizer accuracy of >90% between the amounts of groundwater extracted, treated and re-injected by the system. Calcium carbonate scaling caused numerous malfunctions in the well totalizers and fouling problems in the system requiring the in-stream injection of Aqua-Mag, a blended sodium phosphate sequestering agent, beginning on March 23, 2005.

As shown in Table 3, groundwater production from recovery wells EW-1 and EW-2 increased from previous reporting periods due to the elevated groundwater levels seen at the Site and from improved system uptime due to an enhanced system maintenance schedule. However, the increased groundwater extraction rate still continues to be lower than the modeled parameters. The original stimulation, previously conducted by H&A, concluded that a total groundwater extraction rate of 40 gallons per minute (gpm) used in conjunction with eight injection wells taking an estimated 5 gpm per well was necessary to adequately control the groundwater gradient and provide capture and treatment of the dissolved hydrocarbons and floating crude oil. This stimulation, using the MODFLOW model, assumed a groundwater extraction rate of 25 gpm from EW-1 and 15 gpm from EW-2 was the best fit for drawdown, radius of influence and efficiency (H&A, 2000). The final system design determined that six injection wells would be adequate to maintain hydraulic control. Over the duration of time that the groundwater system has operated, the recovery rates from wells EW-1 and EW-2 have ranged from less than 1 gpm to a maximum of 10.4 gpm. While the total volume of extracted groundwater increased during the March to September 2005 timeframe, the extraction rate averaged approximately 3.1 gpm with a maximum of 8.6 gpm. These recovery rates still do not approached the rates determined as necessary for hydraulic control.

Due to detections of BTEX constituents reported in the August and September 2005 groundwater effluent samples, as described in the following section, the groundwater extraction, treatment and re-injection system was shut down on September 21, 2005.

GROUNDWATER EFFLUENT SAMPLING

Results of the monthly groundwater effluent discharge sampling are presented in Tables 4a and 4b, and the laboratory analytical data is included in Appendix B. The samples were collected from the groundwater effluent discharge stream into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of BTEX by Method 8021B, and chloride by Method 300.0A. No detectable concentrations of BTEX were reported in the effluent discharge samples up to August 2005. The effluent sample collected on August 25, 2005 reported benzene at 25 micrograms per liter (µg/L) and detectable concentrations of the other BTEX constituents. The subsequent sample collected on September 20, 2005 also reported a concentration of benzene at 30 µg/L and lesser concentrations of toluene and ethylbenzene. Due to these detections, indicating a breakthrough in the GAC due to VOC loading, the groundwater extraction, treatment and re-injection system was shut down, with verbal approval by NMOCD, on September 21, 2005. All effluent samples were reported with concentrations of chloride below the NMOCD standard for groundwater of 250 mg/L.

FREE PETROLEUM HYDROCARBON GAUGING

Free-phase petroleum hydrocarbons were measured in selected wells during each of the four monitoring events. The pneumatic pumps were removed from the recovery wells prior to measuring hydrocarbon thickness, and then reinstalled. Isopleth maps depicting liquid phase hydrocarbon (LPH) thickness for April, July and October 2005, and January 2006 are included as Figures 4a, 4b, 4c and 4d, respectively, and LPH measurements are summarized in Table 1.

LPH thicknesses measured in April 2005 through January 2006 continued to show effects of the increased groundwater levels first observed at the Site in October 2005. 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. LPH levels measured during the April 2005 monitoring event show a maximum thickness of 2.22 feet in

MW-1, while well MW-4 had no measurable LPH layer (Figure 4a). LPH measurements in July 2005 show an overall slight increase in LPH thickness with measurable LPH returning in MW-4 (0.36 feet) and a maximum thickness of 2.40 feet measured in MW-1 (Figure 4b). The LPH thickness measurements collected in October 2005 and interpreted as contours on Figure 4c, show the thin layers of LPH measured in the IWs. Overall, a decrease in LPH thickness was noted in most of the wells, with MW-1 showing 1.80 feet and SVE-5 not exhibiting any measurable LPH layer during the October 2005 event after having 1.53 feet in July 2005. The measurements collected in January 2006 (Figure 4d) show slight increases in LPH thickness at IW-5 and IW-7, while the remaining IWs did not exhibit measurable LPH. The crude oil recovery wells show differences in LPH thickness during this event, possibly in response to crude oil extraction and varying rates of crude oil recovery in these wells. The LPH thickness data for all four events show a continued response to groundwater table fluctuations as the LPH plume reestablishes itself. Depiction of these responses to LPH plume thickness vs. groundwater level 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, which 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 28, 2006, the system has recovered approximately 881 barrels of crude oil. From initial abatement activities and ongoing product removal activities, approximately 1,181 barrels of crude oil have been recovered up to February 28, 2006.

Due to the reduction of LPH thicknesses in the recovery wells, the crude oil extraction rate decreased from previous levels while the recovery of groundwater increased. To counter this effect, several tasks have been performed to enhance crude oil recovery rates while reducing the amount of groundwater being 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 most wells to remain constantly online without recovering significant groundwater.

Recovered groundwater was removed from the oil storage tank by Key Energy Services, Inc. and transported to Sundance Services' Eunice, New Mexico facility for disposal on August 24 and November 3, 2005, and January 4 and January 11, 2006. Documentation for the recovered groundwater disposal activities is 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 into a table for monitoring of system functions over time.

Maintenance of the nutrient injection system required replacement of the nitrous oxide tanks as needed and monitoring of the nutrient uptake volumes. 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 volatile organic compounds (VOC) and nitrous oxide; 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 groundwater extraction, treatment and re-injection system maintenance included periodic checking of the OWS for sediment accumulation; monitoring the air stripper tower for vacuum, iron and bio-fouling, exhaust stack flow rate and effluent VOC concentrations; and replacement of the air stripper tower bag

filters as needed. However, with verbal approval from NMOCD, the groundwater extraction system was shut down on September 21, 2005, as previously discussed.

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 four quarters 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. The LPH plume continues to show decreased thickness as a response to the groundwater table rising above the established hydrocarbon smear zone.
- Thin measurable levels of LPH were observed in all six (6) of the groundwater re-injection wells during the October 2005 monitoring event and again in IW-5 and IW-7 during the January 2006 event as a response to the dispersion of the LPH plume due to increased groundwater levels at the Site.
- No detectable concentrations of BTEX were reported in the effluent discharge samples up to August 2005. The effluent sample collected on August 25, 2005 reported benzene at 25 µg/L and detectable concentrations of the other BTEX constituents. The subsequent sample collected on September 20, 2005 also reported a concentration of benzene at 30 µg/L and lesser concentrations of toluene and ethylbenzene. Due to these detections, indicating a breakthrough in the GAC due to VOC loading, the groundwater extraction, treatment and re-injection system was shut down on September 21, 2005, with verbal approval from NMOCD.
- Groundwater production from recovery wells EW-1 and EW-2 increased from previous reporting periods due to the elevated groundwater levels seen at the Site and from improved system uptime due to an enhanced system maintenance schedule. However, the increased groundwater extraction rate still continues to be lower than the modeled

parameters. While the total volume of extracted groundwater increased during the March to September 2005 timeframe, the extraction rate averaged approximately 3.1 gpm with a maximum of 8.6 gpm. These recovery rates still do not approached the rates determined as necessary for hydraulic control.

- From initial abatement activities to February 28, 2006, the crude oil recovery system has recovered approximately 1,181 barrels of crude oil. Groundwater recovery by the oil skimmer system increased, due to an increase in groundwater levels at the Site and the thinning of the LPH plume. However, an enhanced maintenance schedule has reduced 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.
- Submittal of this report fulfills the compliance requirements outlined in ConocoPhillips Discharge Permit GW-349.

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 October 2005 and January 2006 monitoring events.
- Install adsorbent or oxygen-enhancement remediation socks in the IWs to remove or bioremediate the crude oil observed in these wells.
- Submit an abatement plan modification for Discharge Permit GW-349 to request permanently discontinuing operation of groundwater extraction, treatment and re-injection system due to ineffectiveness for designed purpose of aquifer control. Modeled and designed pumping rate of 40 gpm is not achievable by the system.

Increases in groundwater levels and an enhanced maintenance schedule have increased the amount of groundwater extraction by the system. However, the recovery rates have still not approached the rates determined as necessary for hydraulic control. The abatement plan modification is to follow the submittal of this report under separate cover.

- Discontinue effluent sampling once groundwater system is off.

REFERENCES

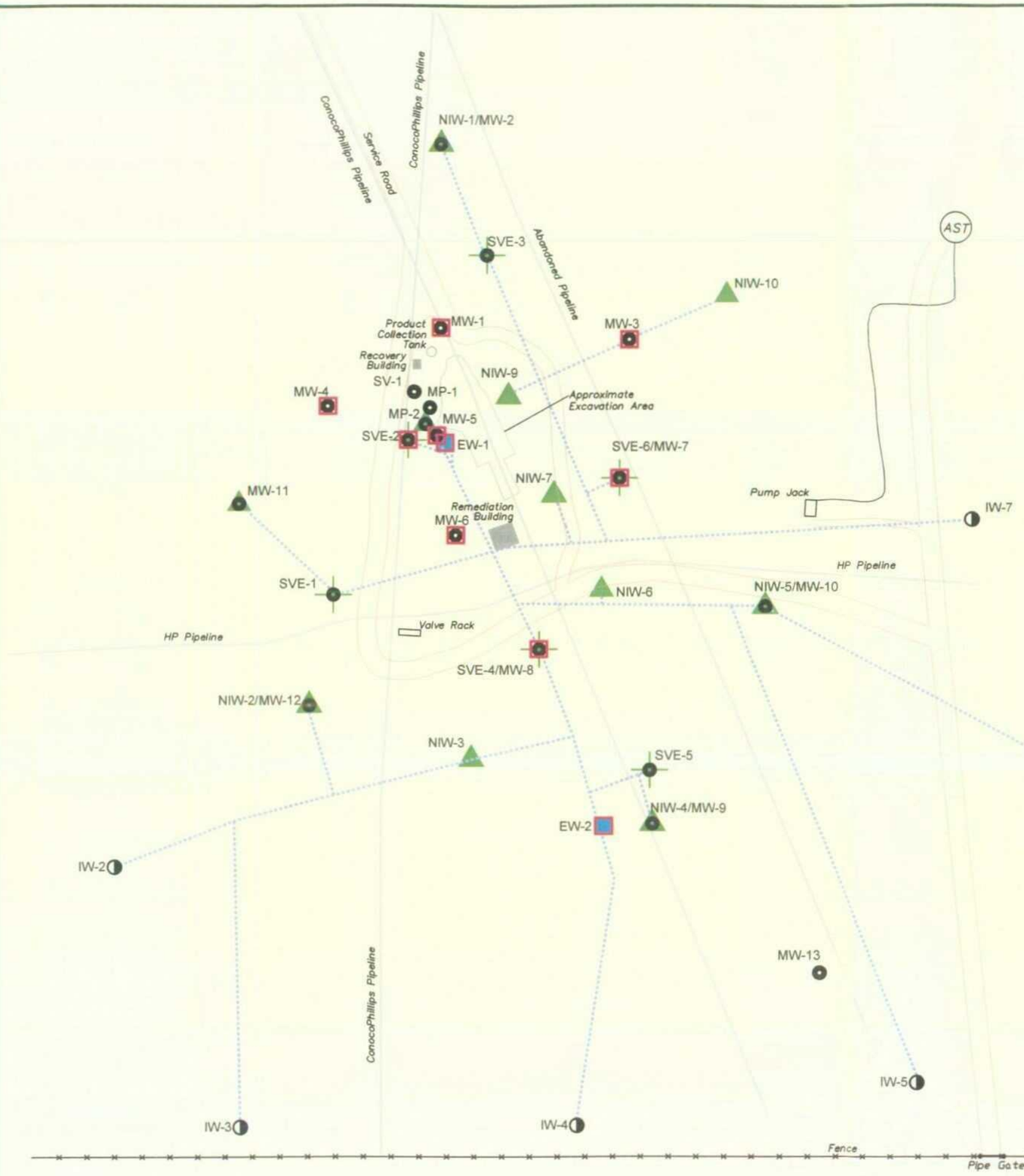
Higgins and Associates, 2000, *Stage 2 Abatement Plan for Groundwater Abatement Plan AP-10, Line NM1-1 Site, Phillips Pipe Line Company*, April 14, 2000.

Should you have any questions or comments upon review of this report, please contact Mr. Neal Goates at (832) 379-6427 or me at (432) 686-8081.

Sincerely,
MAXIM TECHNOLOGIES, INC.

Greg W. Pope
Project Manager

FIGURES



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

N

0 120 240

Scale (ft)

FIGURE 1 : SITE MAP

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

LINE NM 1-1

DATA COLLECTED : JAN 24, 2006

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/20/2006

ACAD File : NM1_1 Site Map 2006.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
- (3568.44) 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 2005

ConocoPhillips	MAXIM TECHNOLOGIES, A DIVISION OF TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : APRIL 18, 2005
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 6640010 MODIFIED BY : GWP DATE MODIFIED : 03/20/2006
	ACAD File : NM1_1 GW Contour Apr05.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
- (3568.74) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

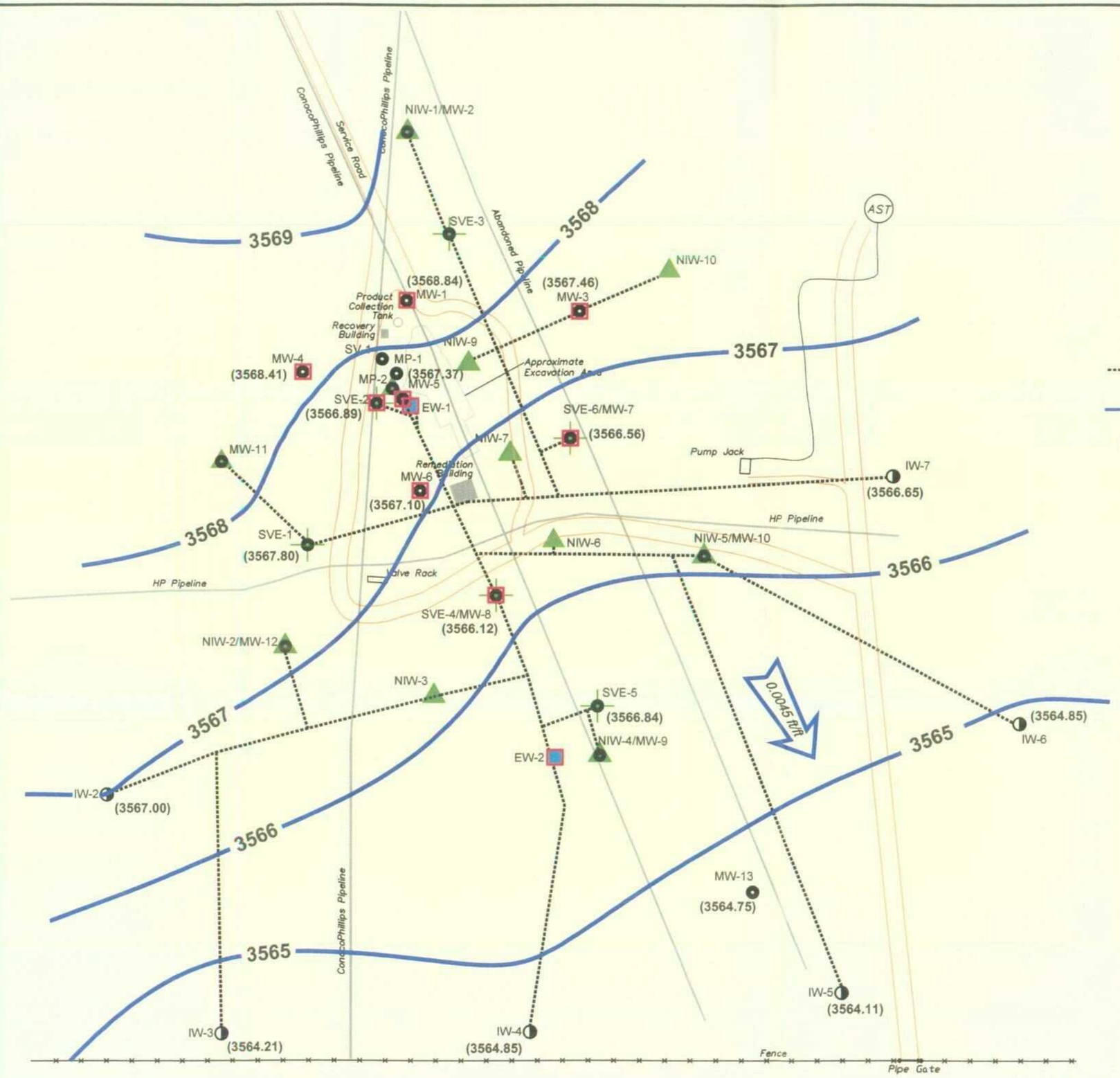
N

0 120 240

Scale (ft)

FIGURE 2b : GROUNDWATER ELEVATION CONTOUR MAP JULY 2005

ConocoPhillips	MAXIM TECHNOLOGIES A DIVISION OF TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : JULY 18, 2005
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 6640010 MODIFIED BY : GWP DATE MODIFIED : 03/21/2006
	ACAD File : NM1_1 GW Contour Jul05.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
- (3568.84) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

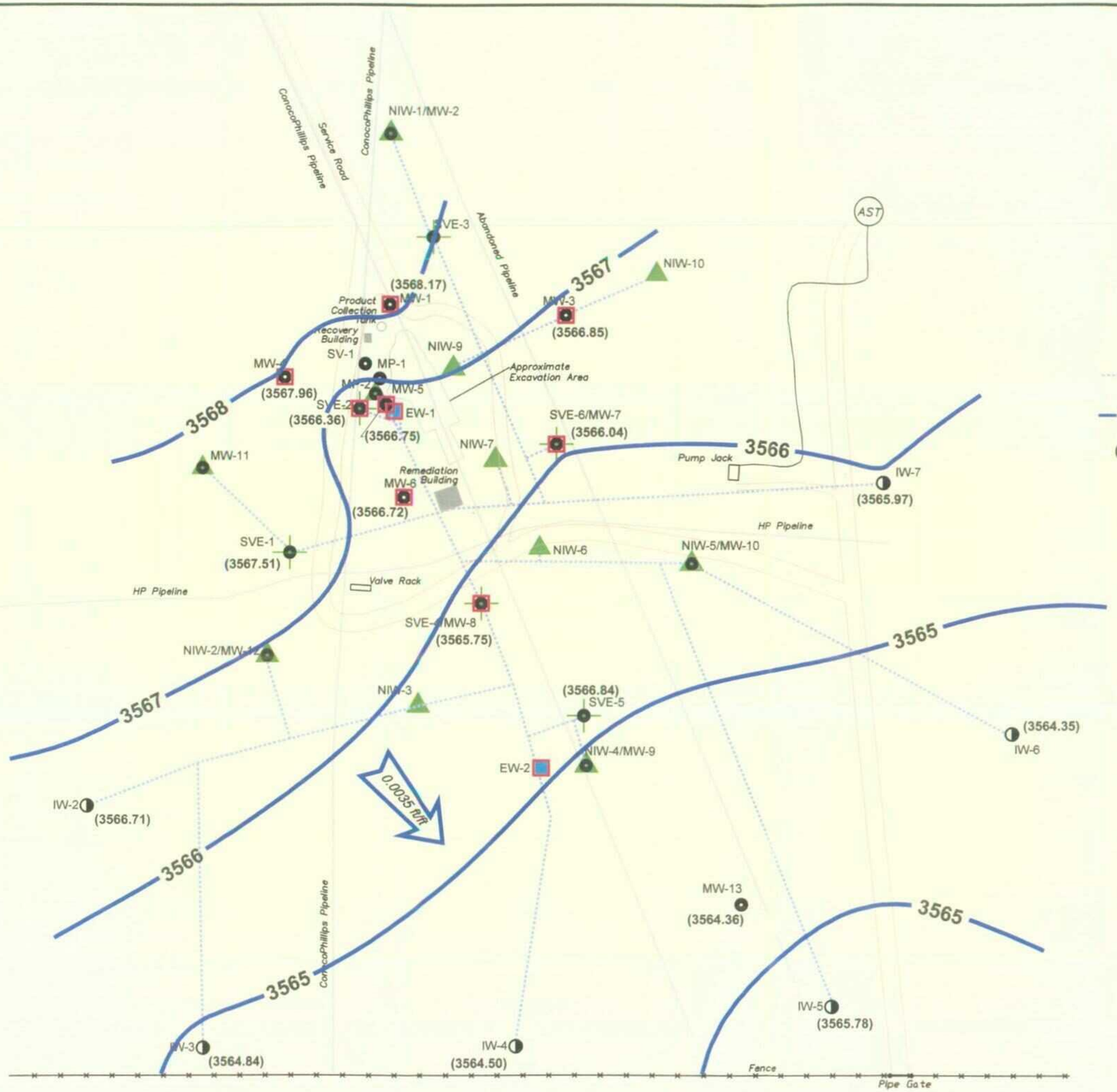
N

0 120 240

Scale (ft)

FIGURE 2c : GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 2005

ConocoPhillips	MAXIM TECHNOLOGIES A DIVISION OF TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : OCT 17, 2005
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 6640010 MODIFIED BY : GWP DATE MODIFIED : 03/21/2006
	ACAD File : NM1_1 GW Contour Oct05.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
- (3568.17) Groundwater Elevation (feet above mean sea level)
- ft/ft = feet per foot

N

0 120 240

Scale (ft)

FIGURE 2d : GROUNDWATER ELEVATION CONTOUR MAP JANUARY 2006

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

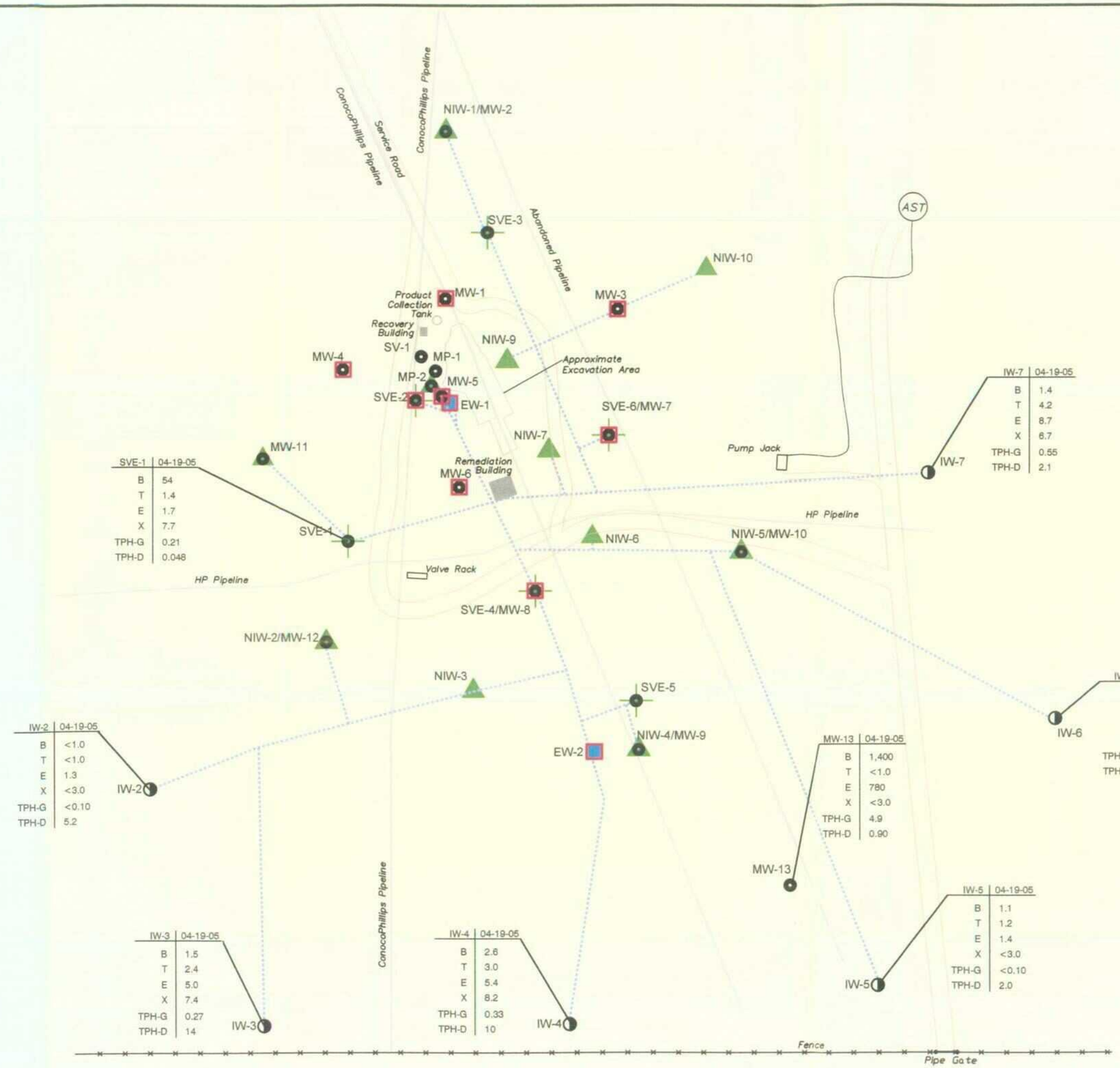
LINE NM 1-1

DATA COLLECTED : JAN 23, 2006

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/23/2006

ACAD File : NM1_1 GW Contour Jan06.dwg



SVE-1	04-19-05
B	54
T	1.4
E	1.7
X	7.7
TPH-G	0.21
TPH-D	0.048

IW-7	04-19-05
B	1.4
T	4.2
E	8.7
X	8.7
TPH-G	0.55
TPH-D	2.1

IW-2	04-19-05
B	<1.0
T	<1.0
E	1.3
X	<3.0
TPH-G	<0.10
TPH-D	5.2

IW-3	04-19-05
B	1.5
T	2.4
E	5.0
X	7.4
TPH-G	0.27
TPH-D	14

IW-4	04-19-05
B	2.6
T	3.0
E	5.4
X	8.2
TPH-G	0.33
TPH-D	10

MW-13	04-19-05
B	1,400
T	<1.0
E	780
X	<3.0
TPH-G	4.9
TPH-D	0.90

IW-5	04-19-05
B	1.1
T	1.2
E	1.4
X	<3.0
TPH-G	<0.10
TPH-D	2.0

IW-6	04-19-05
B	3.1
T	3.0
E	4.7
X	<3.0
TPH-G	0.19
TPH-D	2.0

LEGEND

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

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

0 120 240
Scale (ft)

FIGURE 3a : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS APRIL 2005

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

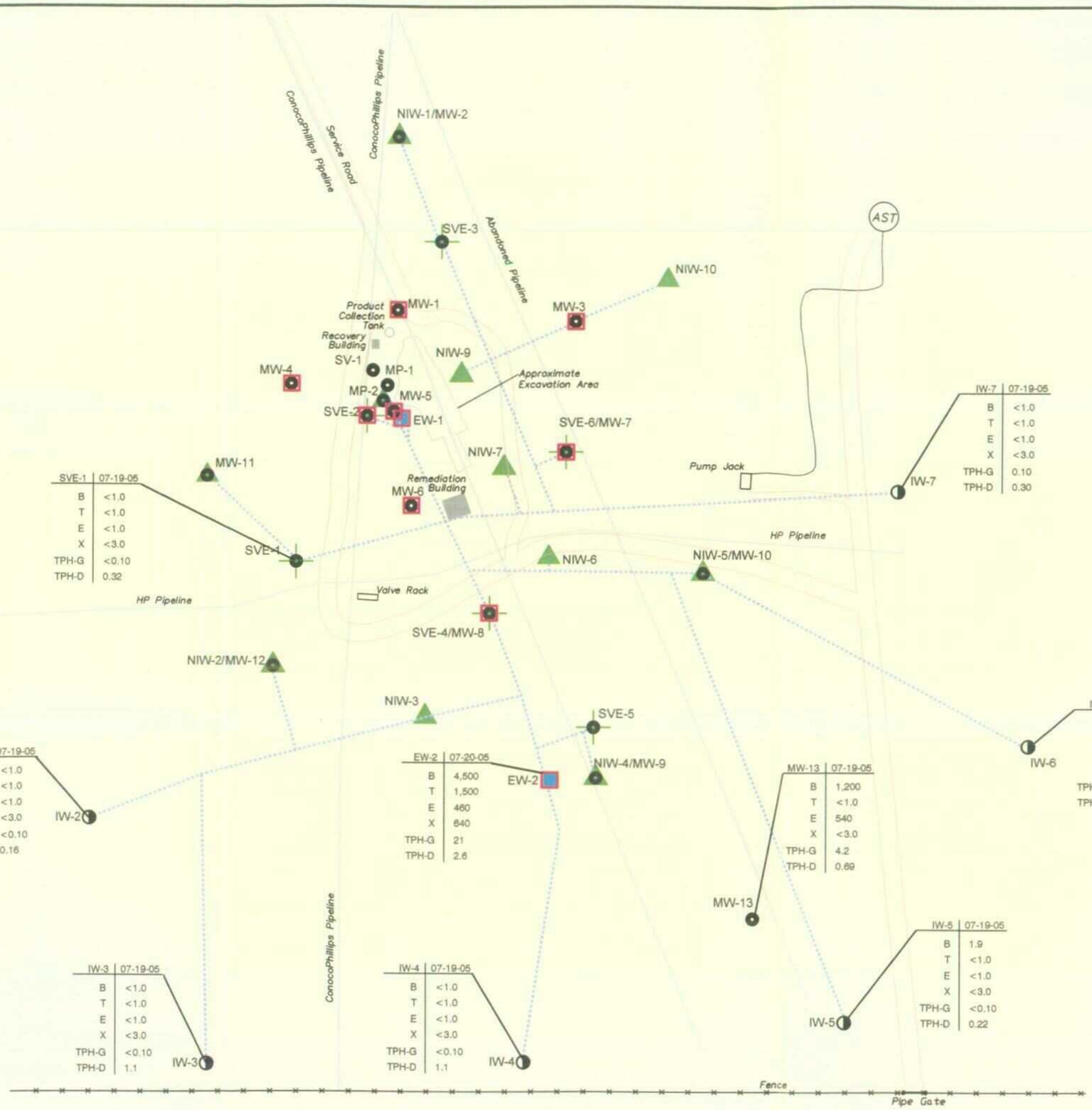
LINE NM 1-1

DATA COLLECTED : APRIL 19, 2005

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/23/2006

ACAD File : NM1_1 GW Results Apr05.dwg



SVE-1	07-19-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	0.32

IW-7	07-19-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	0.10
TPH-D	0.30

IW-2	07-19-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	0.16

EW-2	07-20-05
B	4,500
T	1,500
E	460
X	640
TPH-G	21
TPH-D	2.6

IW-6	07-19-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	3.4

MW-13	07-19-05
B	1,200
T	<1.0
E	540
X	<3.0
TPH-G	4.2
TPH-D	0.69

IW-3	07-19-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	1.1

IW-4	07-19-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	1.1

IW-5	07-19-05
B	1.9
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	0.22

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 2005

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

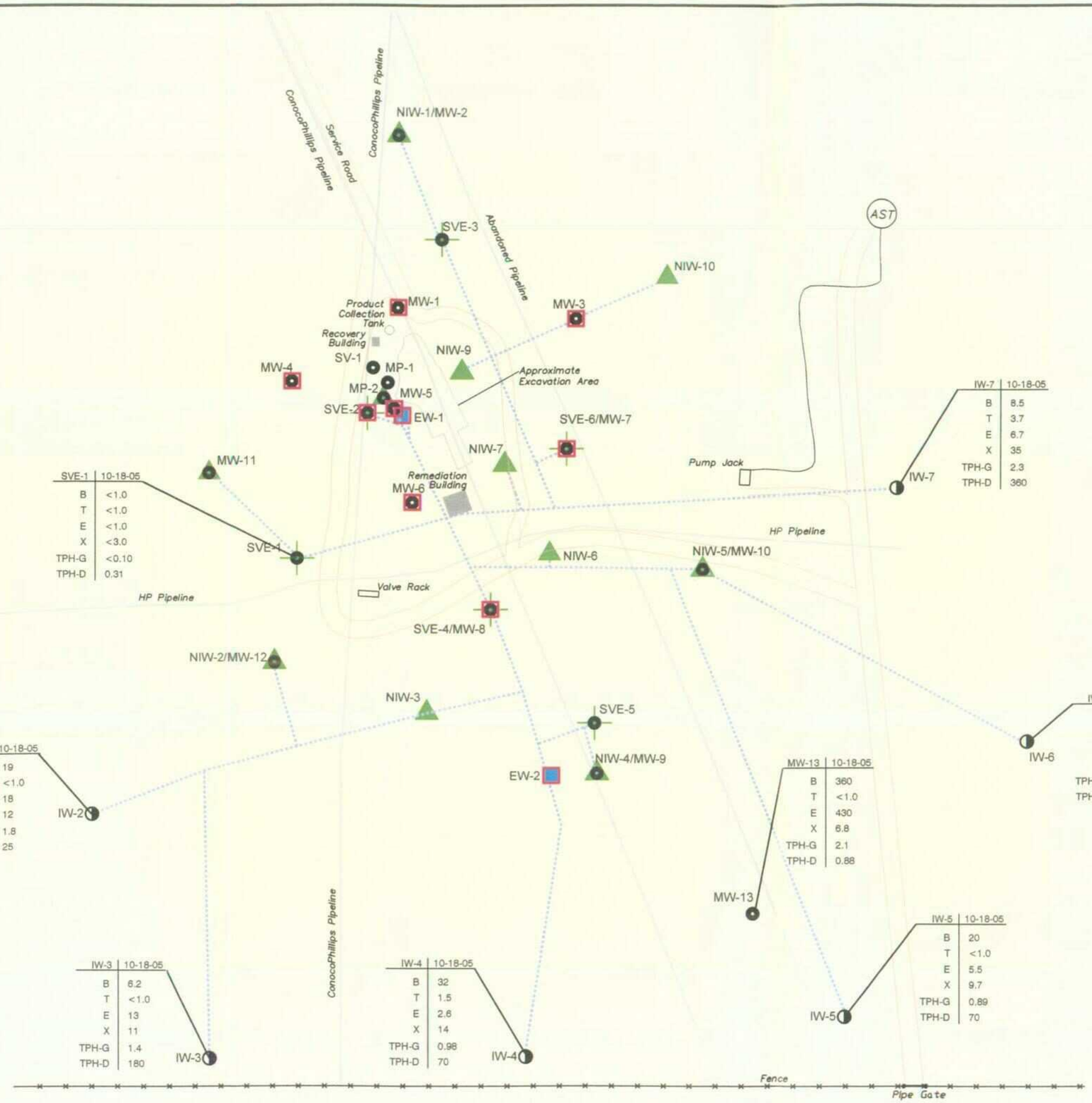
LINE NM 1-1

DATA COLLECTED : JULY 19-20, 2005

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/23/2006

ACAD File : NM1_1 GW Results Jul05.dwg



SVE-1	10-18-05
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH-G	<0.10
TPH-D	0.31

IW-7	10-18-05
B	8.5
T	3.7
E	6.7
X	35
TPH-G	2.3
TPH-D	360

IW-2	10-18-05
B	19
T	<1.0
E	18
X	12
TPH-G	1.8
TPH-D	25

IW-6	10-18-05
B	7.1
T	<1.0
E	4.4
X	17
TPH-G	0.88
TPH-D	110

MW-13	10-18-05
B	360
T	<1.0
E	430
X	6.8
TPH-G	2.1
TPH-D	0.88

IW-3	10-18-05
B	6.2
T	<1.0
E	13
X	11
TPH-G	1.4
TPH-D	180

IW-4	10-18-05
B	32
T	1.5
E	2.6
X	14
TPH-G	0.98
TPH-D	70

IW-5	10-18-05
B	20
T	<1.0
E	5.5
X	9.7
TPH-G	0.89
TPH-D	70

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
(µg/L) T	Toluene
(µg/L) E	Ethylbenzene
(µg/L) X	Xylenes (Total)
(mg/L) TPH-G	Total Volatile Petroleum Hydrocarbons (TPH-GRO)
(mg/L) 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 3c : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS OCTOBER 2005

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

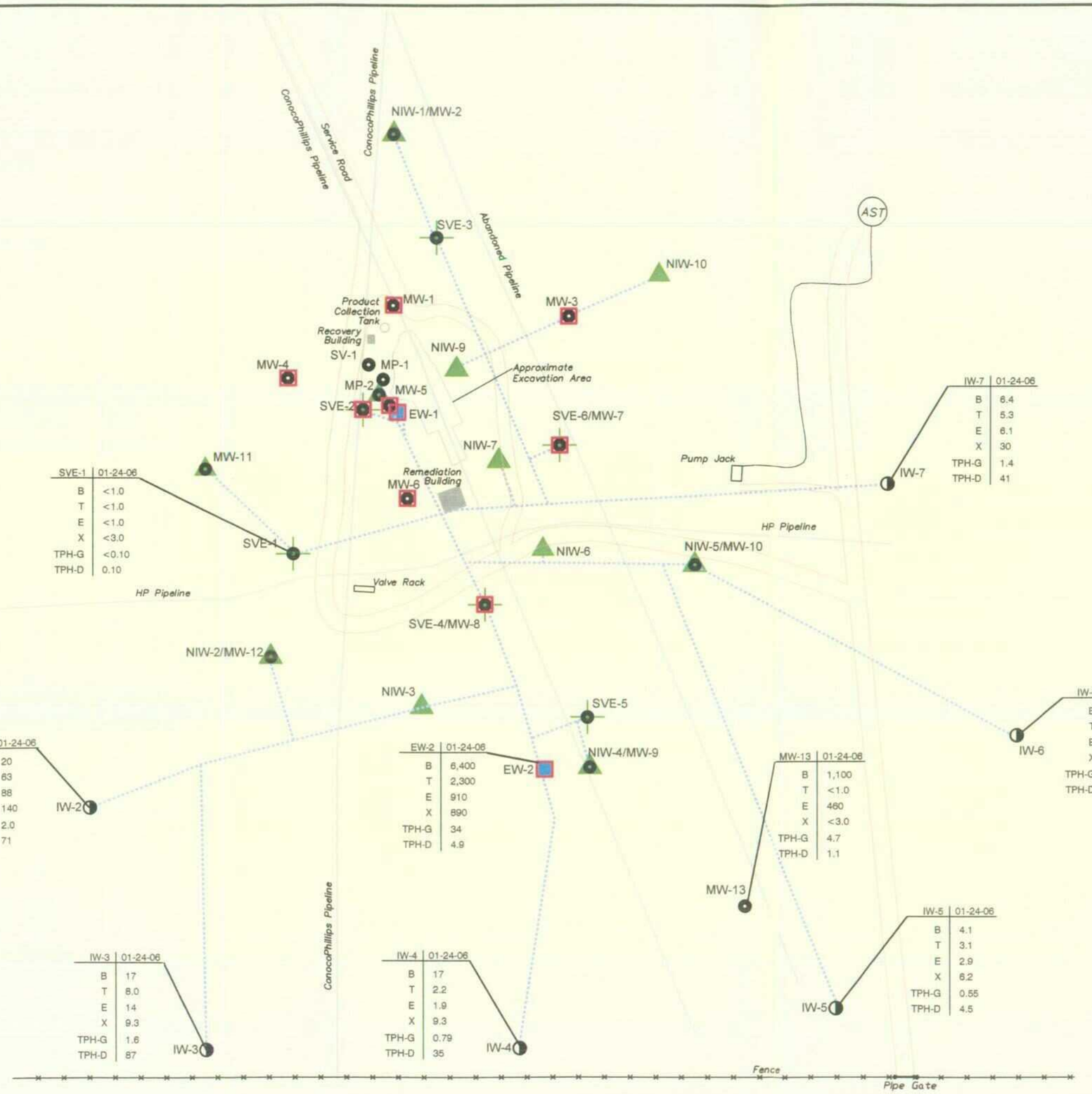
LINE NM 1-1

DATA COLLECTED : OCT 18, 2005

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/23/2006

ACAD File : NM1_1 GW Results Oct05.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

ANALYTICAL DATA

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

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

0 120 240
Scale (ft)

FIGURE 3d : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS JANUARY 2006

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

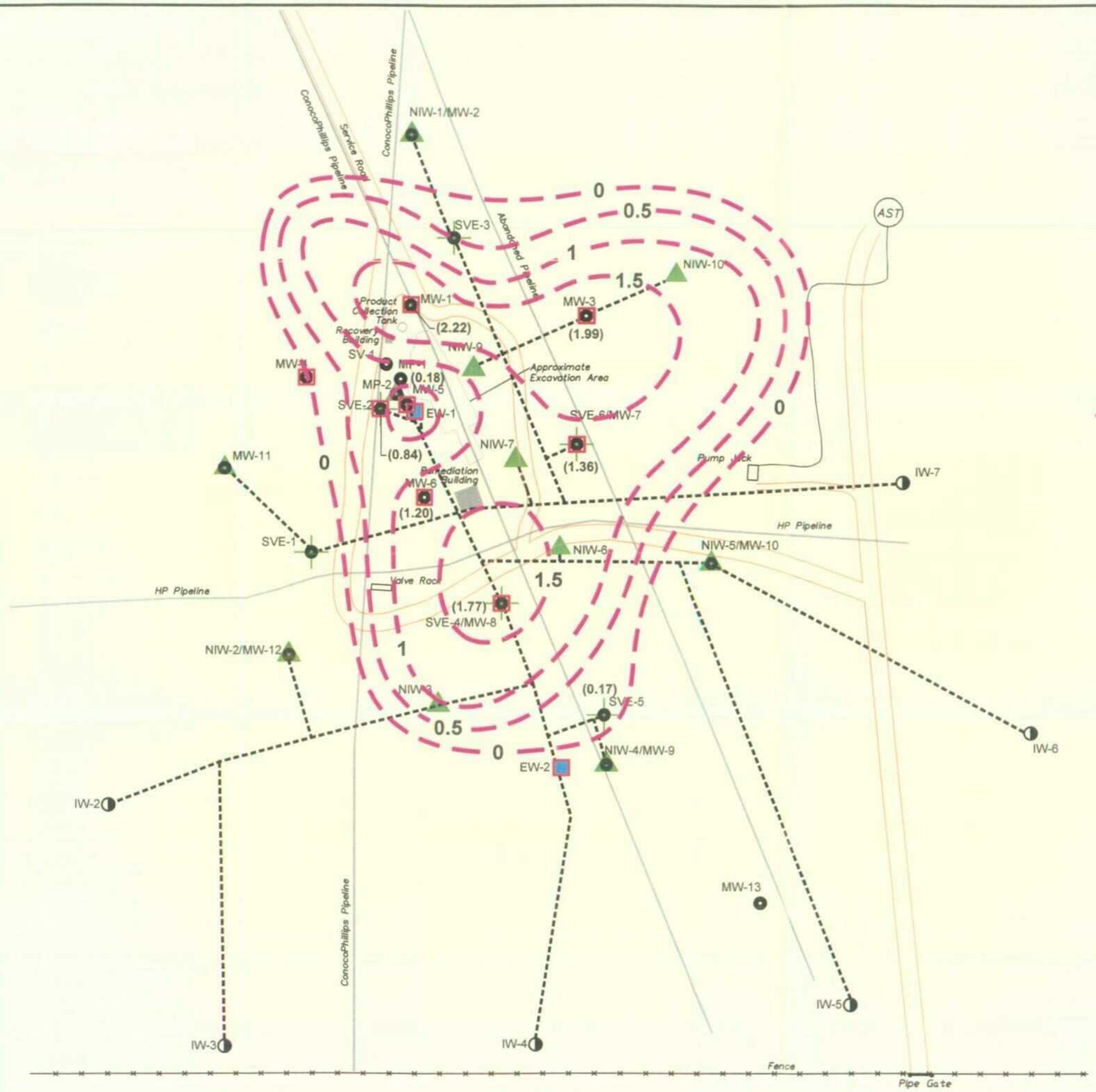
LINE NM 1-1

DATA COLLECTED : JAN 24, 2006

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/23/2006

ACAD File : NM1_1 GW Results Jan06.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
- (1.99) — LPH Thickness (feet)

FIGURE 4a : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP APRIL 2005

ConocoPhillips	MAXIM TECHNOLOGIES, A DIVISION OF TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : APRIL 18, 2005
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 6640010 MODIFIED BY : GWP DATE MODIFIED : 03/21/2006
	ACAD File : NM1_1 LPH Thick Apr05.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
- (2.40) — LPH Thickness (feet)

N

0 120 240

Scale (ft)

FIGURE 4b : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP JULY 2005

ConocoPhillips	MAXIM TECHNOLOGIES A DIVISION OF TETRA TECH, INC.
LINE NM 1-1	DATA COLLECTED : JULY 18, 2005
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 6640010 MODIFIED BY : GWP DATE MODIFIED : 03/22/2006
	ACAD File : NM1_1 LPH Thick Jul05.dwg

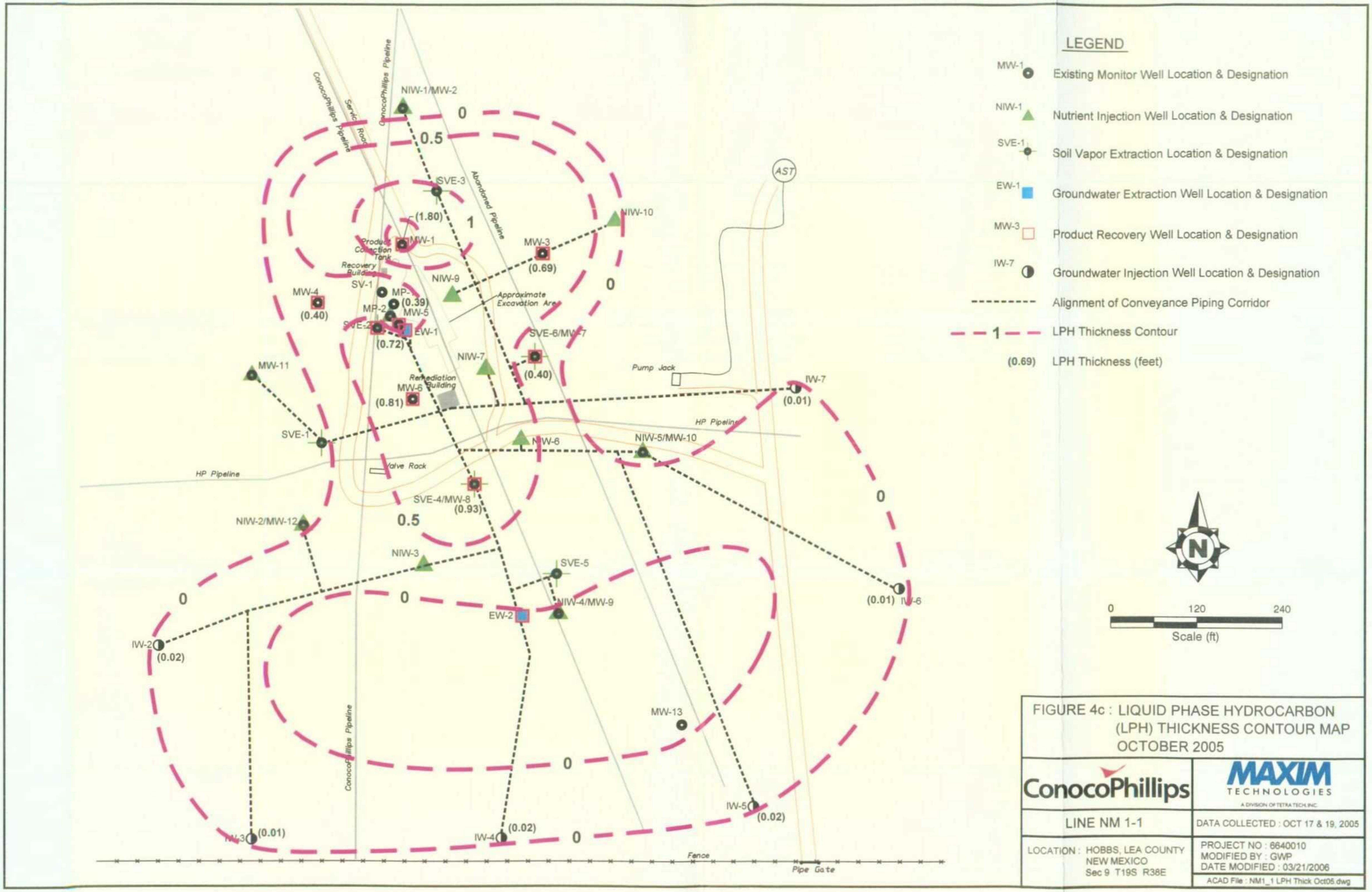


FIGURE 4c : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP OCTOBER 2005

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

LINE NM 1-1

DATA COLLECTED : OCT 17 & 19, 2005

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

PROJECT NO : 6640010
MODIFIED BY : GWP
DATE MODIFIED : 03/21/2006

ACAD File : NM1_1 LPH Thick Oct05.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
- (1.72) — LPH Thickness (feet)

N

0 120 240

Scale (ft)

FIGURE 4d : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP JANUARY 2006

ConocoPhillips

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

LINE NM 1-1	DATA COLLECTED : JAN 23, 2006
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 9 T19S R38E	PROJECT NO : 6640010 MODIFIED BY : GWP DATE MODIFIED : 03/23/2006
	ACAD File : NM1_1 LPH Thick Jan06.dwg

TABLES

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
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

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.	01/16/06	3602.77	36.24	35.81	0.43	0.34	35.90	3566.87
	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
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
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
	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

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.	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
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
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
	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

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.	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
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
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
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

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-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
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

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-2 (SV-2) cont.	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	interface probe 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
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					
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
	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
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

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-3 cont.	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
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
	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
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

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-5 cont.	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
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

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	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	
	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
	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
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

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-1 cont.	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
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 intervals						
	12/18/02	conducted enhanced free product recovery via vacuum truck						
	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 truck						
	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		
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 truck						
	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 truck						
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 truck						
	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 truck						
	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 pump						
	06/24/03	3597.95	33.51	33.50	0.01	0.01	33.50	3564.45

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	04/19/05	1,400	<1.0	780	<3.0	2,180	4.9	0.90
MW-13	04/19/05 D	1,300	<1.0	650	<3.0	1,950	4.5	0.59
MW-13	07/19/05	1,200	<1.0	540	<3.0	1,740	4.2	0.69
MW-13	7/19/05 D	1,200	<1.0	620	<3.0	1,820	4.9	0.71
MW-13	10/18/05	360	<1.0	430	6.8	796.8	2.1	0.88
MW-13	10/18/05 D	400	<1.0	440	6.8	846.8	2.0	0.86
MW-13	01/24/06	1,100	<1.0	460	<3.0	1,560	4.7	1.1
MW-13	01/24/06 D	1,000	<1.0	410	<3.0	1,410	4.2	0.89
EW-2	07/20/05	4,500	1,500	460	640	7,100	21	2.6
EW-2	01/24/06	6,400	2,300	910	890	10,500	34	4.9
IW-2	04/19/05	<1.0	<1.0	1.3	<3.0	1.3	<0.10	5.2
IW-2	07/19/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.16
IW-2	10/18/05	19	<1.0	18	12	49	1.8	25
IW-2	01/24/06	20	63	88	140	311	2.0	71
IW-3	04/19/05	1.5	2.4	5.0	7.4	16.3	0.27	14
IW-3	07/19/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	1.1
IW-3	10/18/05	6.2	<1.0	13	11	30.2	1.4	180
IW-3	01/24/06	17	8.0	14	9.3	48.3	1.6	87
IW-4	04/19/05	2.6	3.0	5.4	8.2	19.2	0.33	10
IW-4	07/19/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	1.1
IW-4	10/18/05	32	1.5	2.6	14	50.1	0.98	70
IW-4	01/24/06	17	2.2	1.9	9.3	30.4	0.79	35
IW-5	04/19/05	1.1	1.2	1.4	<3.0	3.7	<0.10	2.0
IW-5	07/19/05	1.9	<1.0	<1.0	<3.0	1.9	<0.10	0.22
IW-5	10/18/05	20	<1.0	5.5	9.7	35.2	0.89	70
IW-5	01/24/06	4.1	3.1	2.9	6.2	16.3	0.55	4.5
IW-6	04/19/05	3.1	3.0	4.7	<3.0	10.8	0.19	2.0
IW-6	07/19/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	3.4
IW-6	10/18/05	7.1	<1.0	4.4	17	28.5	0.88	110
IW-6	01/24/06	3.3	2.8	<1.0	12	18.1	0.71	48
IW-7	04/19/05	1.4	4.2	8.7	6.7	21.0	0.55	2.1
IW-7	07/19/05	<1.0	<1.0	<1.0	<3.0	BDL	0.10	0.30
IW-7	10/18/05	8.5	3.7	6.7	35	53.9	2.3	360
IW-7	01/24/06	6.4	5.3	6.1	30	47.8	1.4	41
SVE-1	04/19/05	54	1.4	1.7	7.7	64.8	0.21	0.048
SVE-1	07/19/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.32
SVE-1	10/18/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.31
SVE-1	01/24/06	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.10

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
BDL = below detection limit
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
D = duplicate sample

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

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

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)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-12 cont.	06/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.53
	09/25/01	2.8	0.53	<0.5	<2	<0.10	<0.52
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	05/20/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
MW-13	04/06/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/01/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	0.57
	03/06/01	<0.5	1.3	<0.5	<2	<0.10	<0.55
	06/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.5
	09/25/01	22	3.4	2.5	<2	0.15	<0.5
	12/12/01	439	<1.00	<1.00	20.4	1.24	0.125
	05/20/02	<1.00	<1.00	<1.00	32.8	0.535	0.184
	08/29/02	<5.00	1.0	<1.00	1.3	0.145	0.133
	01/15/03	<1.00	<1.00	<1.00	<1.00	<0.10	0.116
	04/23/03	<1.00	<1.00	5.2	<1.00	0.124	<0.10
	07/14/03	<1.00	<1.00	14.2	<1.00	0.125	<0.10
	10/16/03	<1.0	<1.0	21	<3.0	<0.10	<0.048
	10/26/04	14	<1.0	300	<3.0	1.2	3.0
	01/25/05	1,000	<1.0	1,400	<3.0	4.7	0.79
	04/19/05	1,400	<1.0	780	<3.0	4.9	0.90
	04/19/05 D	1,300	<1.0	650	<3.0	4.5	0.59
	07/19/05	1,200	<1.0	540	<3.0	4.2	0.69
	7/19/05 D	1,200	<1.0	620	<3.0	4.9	0.71
	10/18/05	360	<1.0	430	6.8	2.1	0.88
	10/18/05 D	400	<1.0	440	6.8	2.0	0.86
	01/24/06	1,100	<1.0	460	<3.0	4.7	1.1
	01/24/06 D	1,000	<1.0	410	<3.0	4.2	0.89
EW-1	11/15/02	7,460	5,130	1,590	1,590	21.4	NA
	11/22/02	9,340	6,150	2,270	2,210	15.3	NA
	04/24/03	4,410	2,500	952	793	13.1	2.56
	07/14/03	2,590	2,160	406	471	6.01	1.56
	10/16/03	2,800	1,800	690	680	11	460
EW-2	11/15/02	2,160	1,390	307	489	8.88	NA
	11/22/02	2,110	2,340	881	1,280	11.3	NA
	04/24/03	3,080	2,680	541	885	6.07	<1.0
	07/14/03	1,760	1,790	198	559	2.92	<2.0
	10/16/03	2,800	2,600	440	720	12	0.88
	10/16/03	2,800	2,600	440	720	12	0.88
	07/20/05	4,500	1,500	460	640	21	2.6
	01/24/06	6,400	2,300	910	890	34	4.9
IW-2	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/15/03	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.062
	04/19/05	<1.0	<1.0	1.3	<3.0	<0.10	5.2

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)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
IW-2 cont.	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
	10/18/05	19	<1.0	18	12	1.8	25
	01/24/06	20	63	88	140	2.0	71
IW-3	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/15/03	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.061
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.072
	01/25/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/19/05	1.5	2.4	5.0	7.4	0.27	14
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	1.1
	10/18/05	6.2	<1.0	13	11	1.4	180
	01/24/06	17	8.0	14	9.3	1.6	87
IW-4	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.082
	01/25/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.31
	04/19/05	2.6	3.0	5.4	8.2	0.33	10
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	1.1
	10/18/05	32	1.5	2.6	14	0.98	70
	01/24/06	17	2.2	1.9	9.3	0.79	35
IW-5	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	01/15/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.086
	01/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	16
	04/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.25
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	2.7
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.048
	01/25/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.43
	04/19/05	1.1	1.2	1.4	<3.0	<0.10	2.0
	07/19/05	1.9	<1.0	<1.0	<3.0	<0.10	0.22
	10/18/05	20	<1.0	5.5	9.7	0.89	70
	01/24/06	4.1	3.1	2.9	6.2	0.55	4.5
IW-6	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	7.62
	01/15/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.15
	01/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	11
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	1.4

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)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
IW-6 cont.	01/25/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.76
	04/19/05	3.1	3.0	4.7	<3.0	0.19	2.0
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	3.4
	10/18/05	7.1	<1.0	4.4	17	0.88	110
	01/24/06	3.3	2.8	<1.0	12	0.71	48
IW-7	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	01/15/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.64
	01/20/04	<1.0	<1.0	<1.0	<3.0	0.15	40
	04/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	1.7
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	18
	07/21/04 D	<1.0	<1.0	<1.0	<3.0	<0.10	6.8
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	3.3
	01/25/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.21
	01/25/05 D	<1.0	<1.0	<1.0	<3.0	<0.10	0.49
	04/19/05	1.4	4.2	8.7	6.7	0.55	2.1
	07/19/05	<1.0	<1.0	<1.0	<3.0	0.10	0.30
	10/18/05	8.5	3.7	6.7	35	2.3	360
	01/24/06	6.4	5.3	6.1	30	1.4	41
SVE-1	08/29/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	01/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/23/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/16/03	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.055
	04/20/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.059
	10/26/04	79	2.8	<1.0	<3.0	0.32	0.099
	01/25/05	62	3.4	1.9	12	0.41	0.34
	04/19/05	54	1.4	1.7	7.7	0.21	0.048
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.32
	10/18/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.31
	01/24/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NA= not analyzed
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
D = Duplicate Sample

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

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/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	3,090	98
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	1,870	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	3,430	51
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 (µg/L)	Manganese (µg/L)
MW-12 cont.	06/26/01	120			
	09/25/01	110			
	12/12/01	109			
	05/20/02	100	845	11,700	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	1,200	18
	08/29/02	106		5,720	
	01/15/03	113			
	04/23/03	406		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			
EW-1	07/16/03	172			
	10/16/03	147		220	
EW-2	07/16/03	160			
	10/16/03	164			
	07/20/05	110		220	
	01/24/06	74.5			
IW-2	08/29/02	86		6,550	
	01/14/03	132			
	04/23/03	152		89	
	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			
IW-3	08/29/02	82		8,280	
	01/14/03	94.6			
	04/23/03	115		1,470	
	07/14/03	161			

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 (µg/L)	Manganese (µg/L)
IW-3 cont.	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			
IW-4	08/29/02	99.5		2,450	
	01/14/03	111			
	04/23/03	153		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			
IW-5	08/29/02	90		3,330	
	01/15/03	117			
	04/23/03	156		2,130	
	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			
IW-6	08/29/02	92		7,160	
	01/15/03	100			
	04/23/03	132		270	
	07/14/03	120			
	10/16/04	165			
	01/20/04	138			
	10/26/04	76.6			
	01/25/05	156			
	04/19/05	145			
	07/19/05	123			
	10/18/05	110			
	01/24/06	115			

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 (µg/L)	Manganese (µg/L)
IW-7	08/29/02	161		18,600	
	01/15/03	142			
	04/23/03	152		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			
SVE-1	08/29/02	96.5			
	01/14/03	122			
	04/23/03	123		2,270	
	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			

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

Blank Fields Indicate No Data
D = Duplicate Sample

Table 3d
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-6	IW-7	MW-13	MW-13 D	SVE-1
Total Dissolved Solids	708	733	731	720	743	744	724	715	668
Fluoride	1.3	1.3	1.3	1.3	1.3	1.2	<1.0	<1.0	<1.0
Aluminum	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	0.018	0.044	0.055	0.022	0.027	0.034	0.024	0.022	0.013
Barium	0.67	**1.2**	**1.3**	**1.1**	**1.3**	**1.2**	0.25	0.24	0.26
Boron	0.31	0.59	0.44	0.28	0.27	0.27	0.23	0.22	<0.20
Cadmium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Copper	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Iron	0.73	**5.2**	**7.8**	**1.2**	**2.0**	**1.5**	0.41	0.33	0.33
Lead	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Manganese	**0.60**	**0.98**	**1.5**	**0.52**	**1.8**	**0.47**	0.070	0.064	0.11
Mercury	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Nickel	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Selenium	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Silver	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Uranium (µg/L)	<500	<500	<500	<500	<500	<500	<500	<500	<500
PAH Analytes (µg/L)									
Acenaphthene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Acenaphthylene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Anthracene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Benzo(a)anthracene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Benzo(a)pyrene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Benzo(b)fluoranthene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Benzo(ghi)perylene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Benzo(k)fluoranthene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Chrysene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Dibenz(a,h)anthracene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Fluoranthene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Fluorene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Indeo(1,2,3-cd)pyrene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Naphthalene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Phenanthrene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
Pyrene	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5

Notes:
Samples collected on 04/19/05
mg/L = milligrams per liter
µg/L = micrograms per liter

WQCC = New Mexico Water Quality Control Commission
PAH = Polynuclear Aromatic Hydrocarbons (SW846 - 8270C)
D = Duplicate Sample

Exceeds standards per 20.6.2.3103 NMAC

Table 3
Summary of Monthly Groundwater Recovery and Effluent Discharge Volumes
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Date	Recovery (gallons per month)		Groundwater Effluent Discharge (gallons per month)						
	EW-1	EW-2	Tower	IW-2	IW-3	IW-4	IW-5	IW-6	IW-7
Nov-02	760	30,220	31,000	4,110	20	70	2,100	30	20,660
Dec-02	4,740	7,860	12,600	6,620	0	150	580	380	4,660
Jan-03	0	0	0	0	0	0	0	0	0
Feb-03	7,380	4,520	11,900	6,310	0	610	370	290	4,230
Nov 02-Feb 03 Total Gallons =	**12,880**	**42,600**	**55,500**	**17,040**	**20**	**830**	**3,050**	**700**	**29,550**
Mar-03	9,600	0	9,600	1,550	350	2,300	1,260	1,350	1,730
Apr-03	13,370	9,960	17,200	630	3,160	6,740	4,100	1,610	630
May-03	3,360	9,860	13,900	0	2,520	6,220	4,020	1,180	0
Jun-03	19,400	25,030	46,500	4,030	6,840	24,100	5,740	2,890	440
Jul-03	9,190	36,920	50,600	0	0	44,640	1,410	90	60
Aug-03	10,660	39,920	53,600	0	0	50,930	1,950	460	50
Sep-03	15,888	33,239	52,069	3	6	3,100	18,119	17,884	8,022
Oct-03	12,552	21,287	40,708	0	0	0	12,910	15,989	9,723
Nov-03	264	25,633	35,372	0	0	0	19,006	10,003	3,183
Dec-03	237	21,373	28,658	0	0	0	13,709	9,571	3,239
Jan-04	197	8,466	24,743	0	0	0	8,562	6,993	6,457
Feb-04	107	3,297	17,605	0	0	0	4,712	0	11,773
Mar 03-Feb 04 Total Gallons =	**94,825**	**234,985**	**390,555**	**6,213**	**12,876**	**138,030**	**95,498**	**68,020**	**45,307**
Mar-04	4,717	680	5,763	0	0	0	411	1	4,986
Apr-04	0	0	0	0	0	0	0	0	0
May-04	0	0	0	0	0	0	0	0	0
Jun-04	5,498	1,840	8,308	382	1,628	5,083	200	43	2
Jul-04	3,252	7,227	11,348	214	1,527	8,006	237	63	0
Aug-04	1,596	17,898	40,618	10,578	9,741	16,633	1,056	639	258
Sep-04	1,673	13,265	14,919	257	1,199	11,866	179	174	150
Oct-04	2,489	18,305	20,794	1	1	17,684	95	278	533
Nov-04	0	36,428	21,957	614	162	26,189	22	308	723
Dec-04	102,574	27,350	117,203	3,135	2,658	84,691	11,419	5,107	10,192
Jan-05	36,607	10,132	47,797	8,990	0	24,290	4,799	5,941	3,508
Feb-05	39,081	11,390	53,753	6,997	0	24,589	3,342	3,764	13,042
Mar 04-Feb 05 Total Gallons =	**197,487**	**144,515**	**342,460**	**31,168**	**16,916**	**219,031**	**21,760**	**16,318**	**33,394**
Mar-05	65,821	20,169	93,355	10,847	15,683	40,527	7,353	7,555	8,204
Apr-05	43,245	14,113	63,605	1,428	14,209	29,420	6,271	5,818	5,375
May-05	92,656	29,463	134,622	201	21,626	69,628	7,422	10,970	21,772
Jun-05	135,807	56,113	198,252	11,029	16,944	74,078	6,868	7,570	47,334
Jul-05	82,289	24,702	112,574	11,997	11,877	11,628	5,171	4,942	33,376
Aug-05	40,627	9,874	51,984	6,311	6,244	31,901	2,546	2,172	6,853
Sep-05	90,166	35,570	135,106	26,468	20,894	63,919	9,888	9,471	12,182
Mar-Sep 2005 Total Gallons =	**550,611**	**190,004**	**789,498**	**68,281**	**107,477**	**321,101**	**45,519**	**48,498**	**135,096**
System Total Gallons =	**855,803**	**612,104**	**1,578,013**	**122,702**	**137,289**	**678,992**	**165,827**	**133,536**	**243,347**

Table 4a
Groundwater Effluent Discharge
Analytical Data - Organics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
11/08/02	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0
11/15/02	<2.0	<2.0	<2.0	<6.0	<0.1	
11/22/02	<2.0	<2.0	<2.0	<6.0	<0.1	
11/29/02	<1.0	<2.0	<2.0	<2.0		
12/09/02	<2.0	<2.0	<2.0	<6.0		
12/19/02	<2.0	<2.0	<2.0	<6.0		
02/24/03	<2.0	<2.0	<2.0	<6.0	<0.1	
03/03/03	<2.0	<2.0	<2.0	<6.0	<0.1	
04/07/03	<2.0	<2.0	<2.0	<6.0		
04/24/03	<2.0	<2.0	<2.0	<6.0	<1.0	<1.0
05/12/03	<2.0	<2.0	<2.0	<6.0		
06/17/03	<2.0	<2.0	<2.0	<6.0	<0.02	
07/14/03	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0
08/01/03	<2.0	<2.0	<2.0	<6.0		
09/02/03	<2.0	<2.0	<2.0	<6.0		
10/16/03	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
11/25/03	<1.0	<1.0	<1.0	<3.0		
12/30/03	<1.0	<1.0	<1.0	<3.0		
01/29/04	<1.0	<1.0	<1.0	<3.0		
03/11/04	<1.0	<1.0	<1.0	<3.0		
06/30/04	<1.0	<1.0	<1.0	<3.0		
07/29/04	<1.0	<1.0	<1.0	<3.0		
08/24/04	<1.0	<1.0	<1.0	<3.0		
10/05/04*	<1.0	<1.0	<1.0	<3.0		
10/27/04	<1.0	<1.0	<1.0	<3.0		
11/22/04	<1.0	<1.0	<1.0	<3.0		
12/29/04	<1.0	<1.0	<1.0	<3.0		
01/27/05	<1.0	<1.0	<1.0	<3.0		
02/21/05	<1.0	<1.0	<1.0	<3.0		
03/23/05	<1.0	<1.0	<1.0	<3.0		
04/19/05	<1.0	<1.0	<1.0	<3.0		
05/24/05	<1.0	<1.0	<1.0	<3.0		
06/29/05	<1.0	<1.0	<1.0	<3.0		
07/20/05	<1.0	<1.0	<1.0	<3.0		
08/24/05	**25**	**18**	**6.2**	**12**		
09/20/05	**30**	**6.2**	**1.0**	<3.0		

Notes:
* Resample for Sep 2004 due to shipment breakage
µg/L = micrograms per liter
mg/L = milligrams per liter
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
Blank Fields Indicate No Data

Table 4b
Groundwater Effluent Discharge
Analytical Data - Inorganics
ConocoPhillips
Line NM1-1
Hobbs, New Mexico

Date	Chloride (mg/L)	TDS (mg/L)	TSS (mg/L)	pH (SU)	Iron (mg/L)
11/08/02	120	540	8	7 to 8 (1)	
11/15/02	160			8.28 (2)	
11/22/02	172	629	20	7 to 8 (1)	<0.01
11/29/02				7 to 8 (1)	
12/19/02	152			7 to 8 (1)	
12/27/02	156			7 to 8 (1)	
02/24/03	172			7 to 8 (1)	
03/03/03	156			7 to 8 (1)	
04/07/03	160			7 to 8 (1)	
04/24/03		655	34	7.94 (2)	<0.01
05/12/03	174			7 to 8 (1)	
06/17/03	376	643	5	7.97 (2)	
06/23/03	172				
07/14/03	168	616	2	7.83 (2)	
08/01/03	192				
10/16/03	162	980	<10.0	7.8 (2)	<0.10
11/25/03	153				
12/30/03	140				
01/29/04	138				
03/11/04	157				
06/30/04	147				
07/29/04	150				
08/24/04	164				
10/05/04*	171				
10/27/04	161				
11/22/04	179				
12/29/04	136				
01/27/05	167				
02/21/05	176				
03/23/05	147				
04/19/05	155				
05/24/05	140				
06/29/05	124				
07/20/05	119				
08/24/05	118				
09/20/05	120				

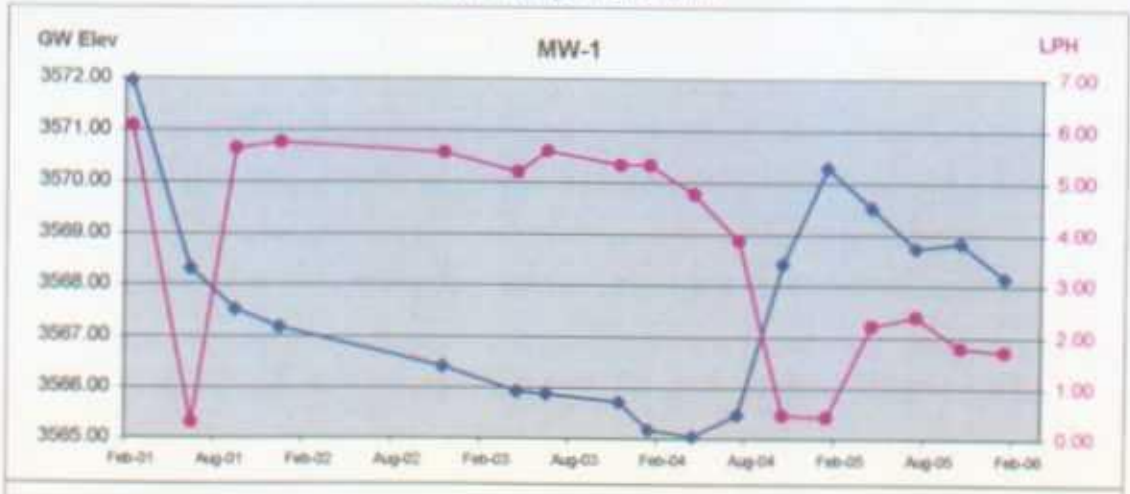
Notes:
(1) measured with field pH paper
(2) laboratory analysis data
* Resample for September 2004 due to shipment breakage
mg/L = milligrams per liter
SU = standard pH units
TDS = Total Dissolved Solids
TSS = Total Suspended Solids
Blank Fields Indicate No Data

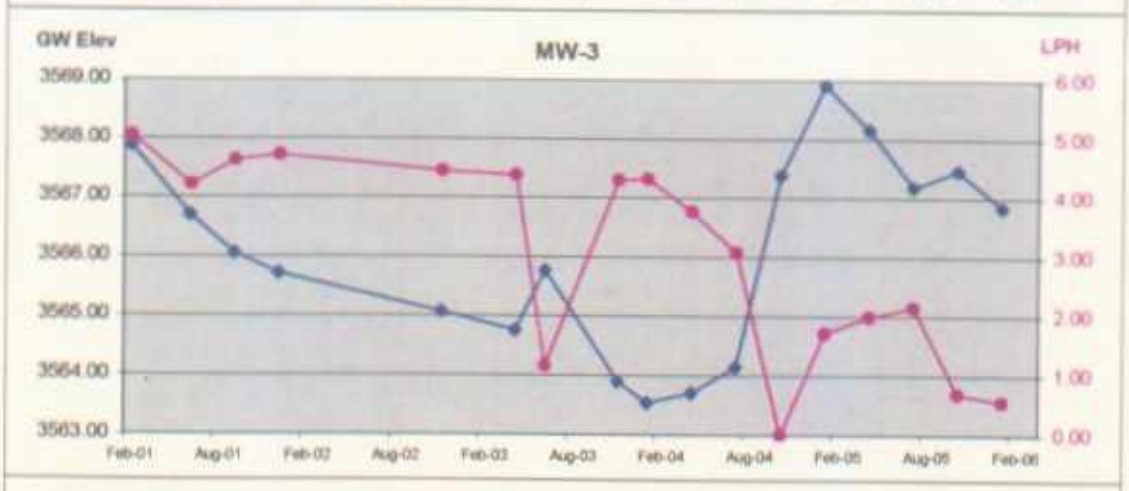
APPENDIX A

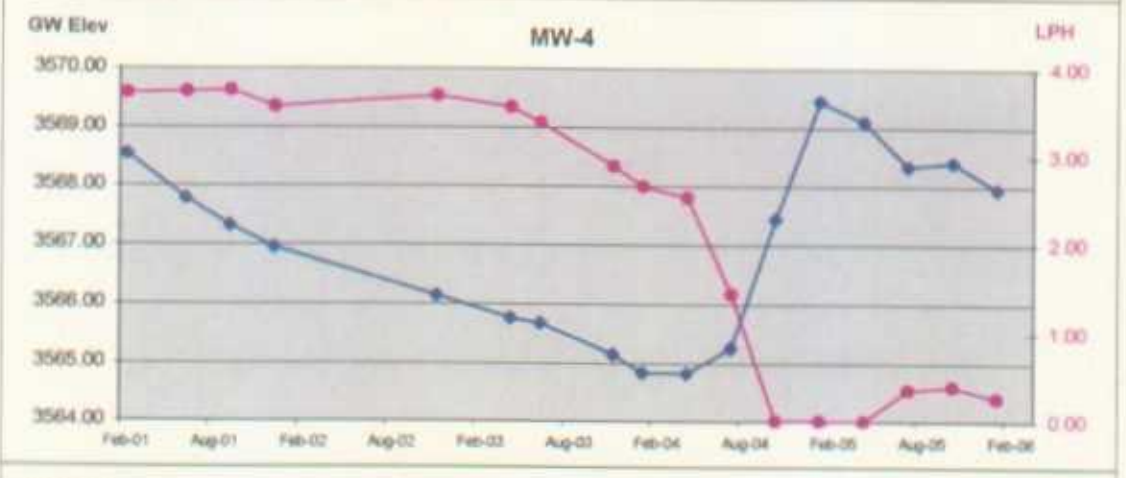
Hydrographs and Groundwater Analytical Data Graphs

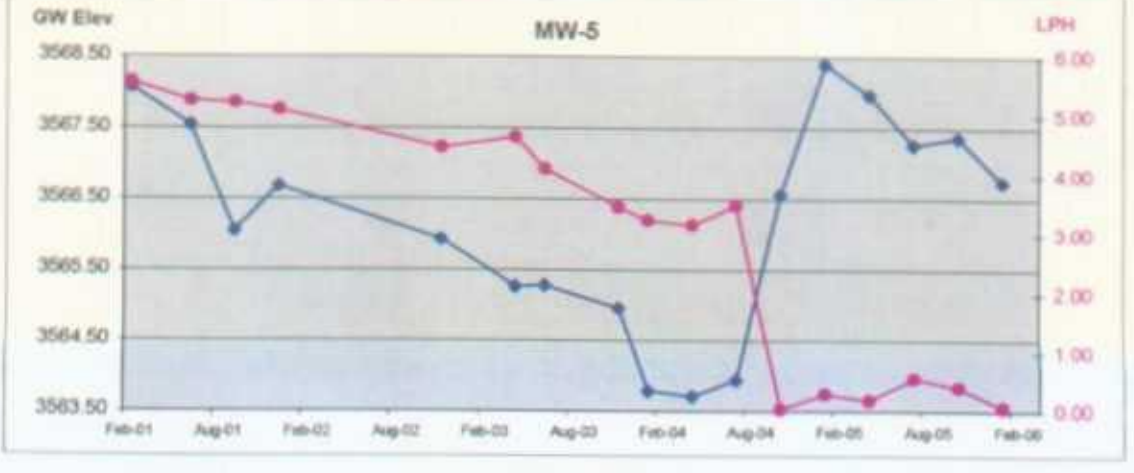
Hydrograph Charts

ConocoPhillips - Line NM1-1



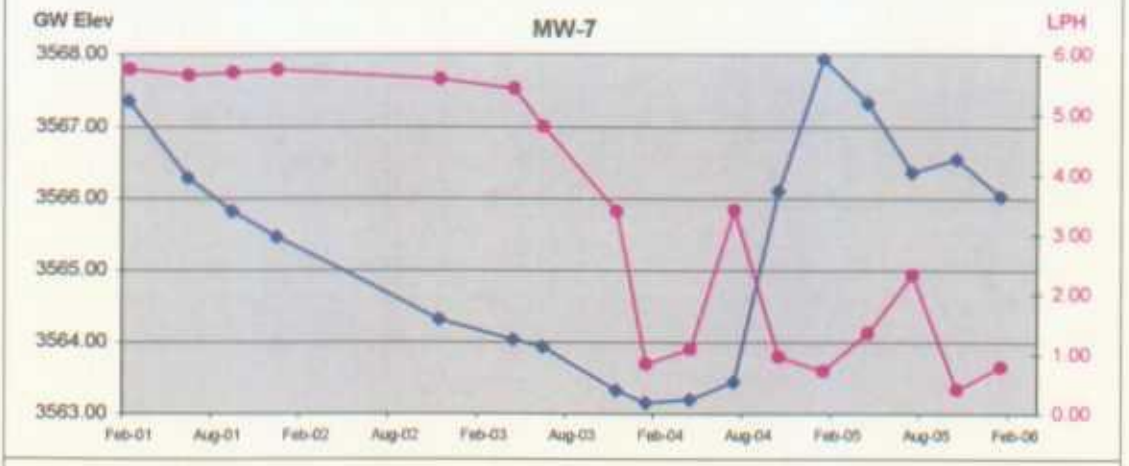


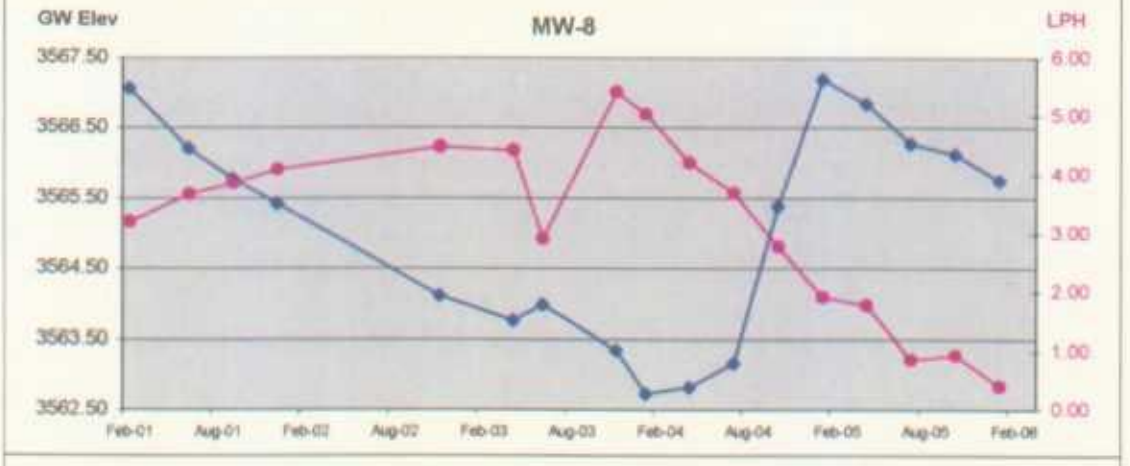


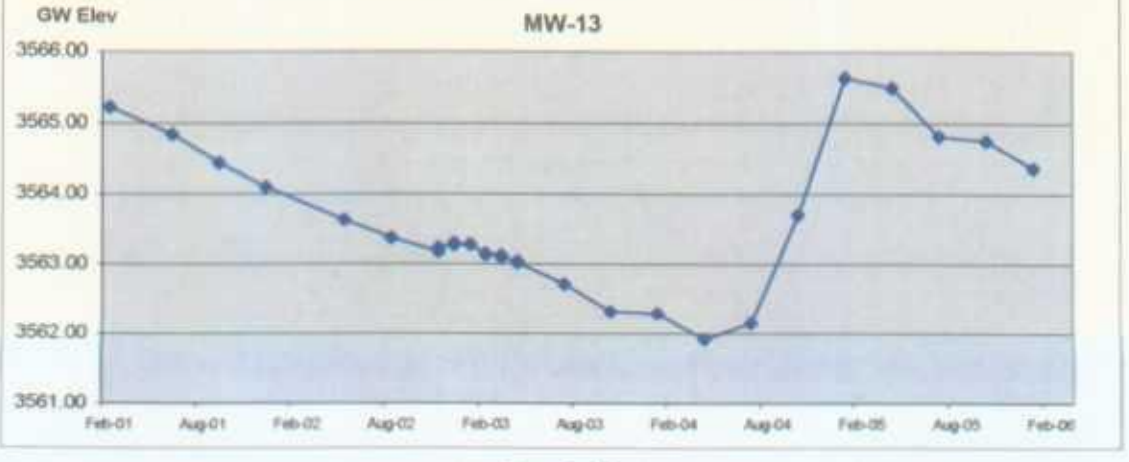


Hydrograph Charts

ConocoPhillips - Line NM1-1

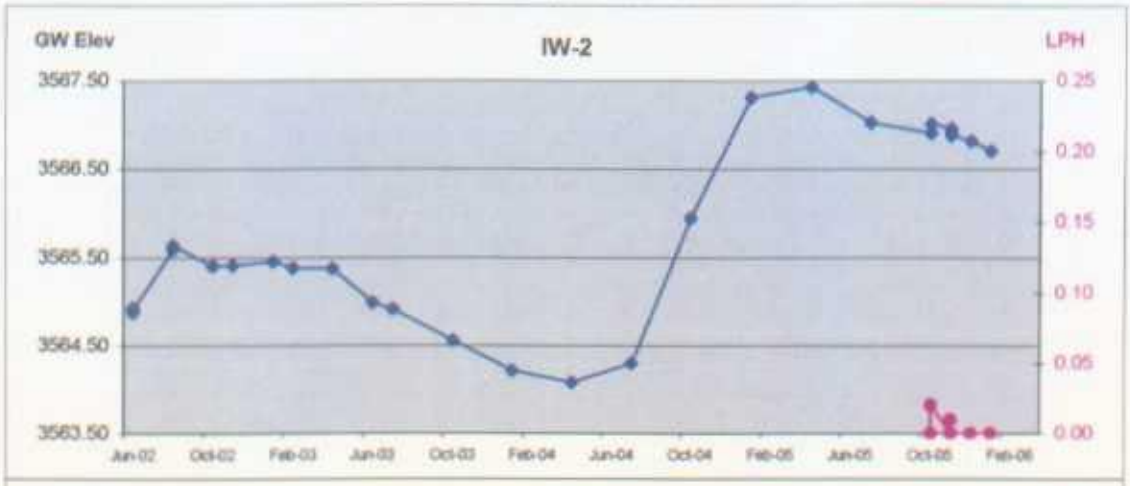


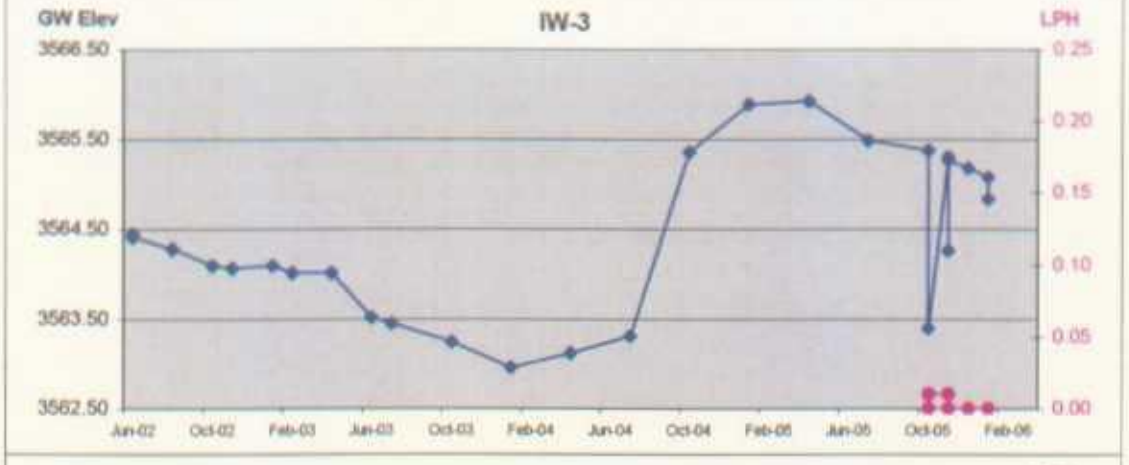


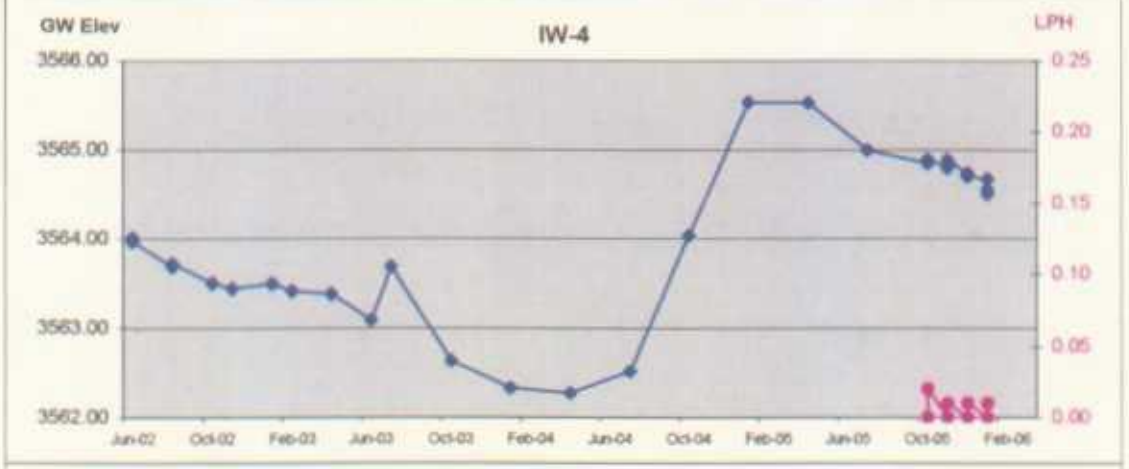


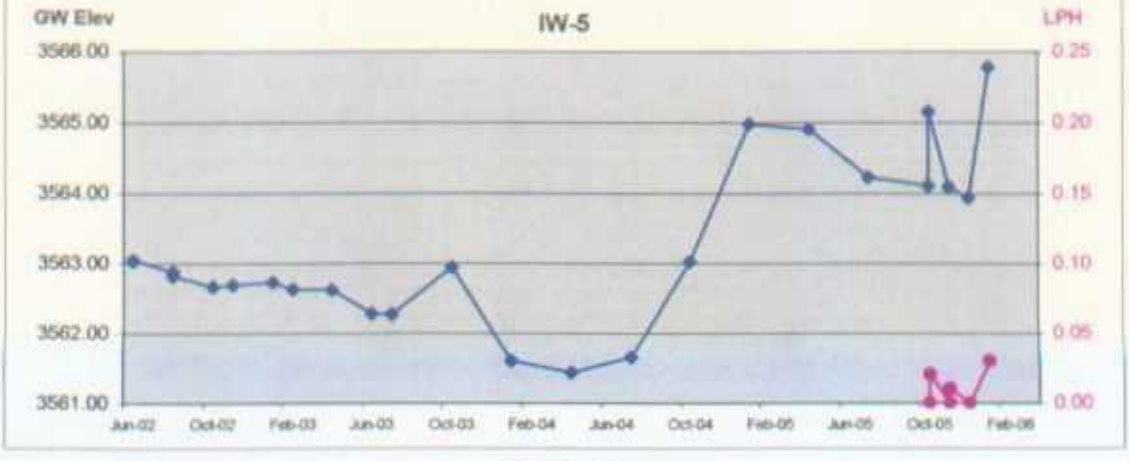
Hydrograph Charts

ConocoPhillips - Line NM1-1



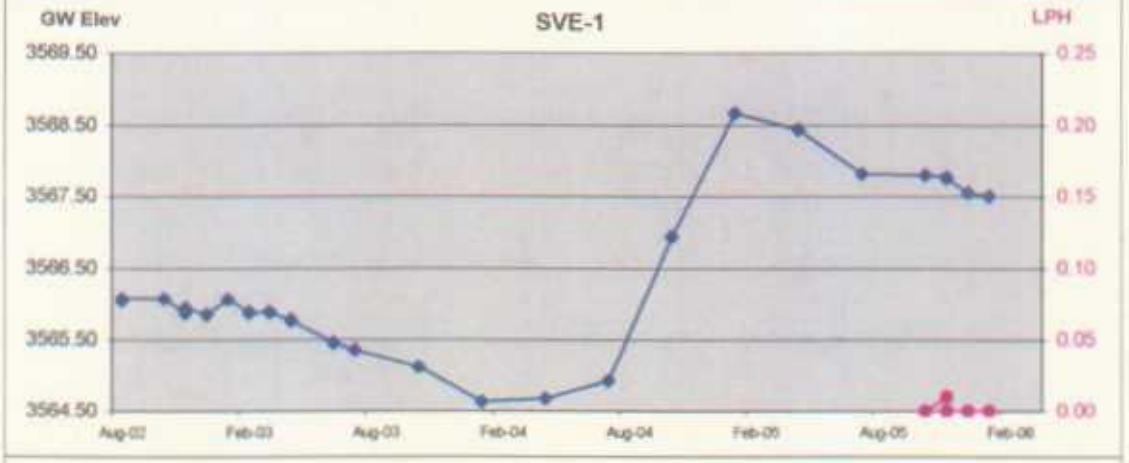


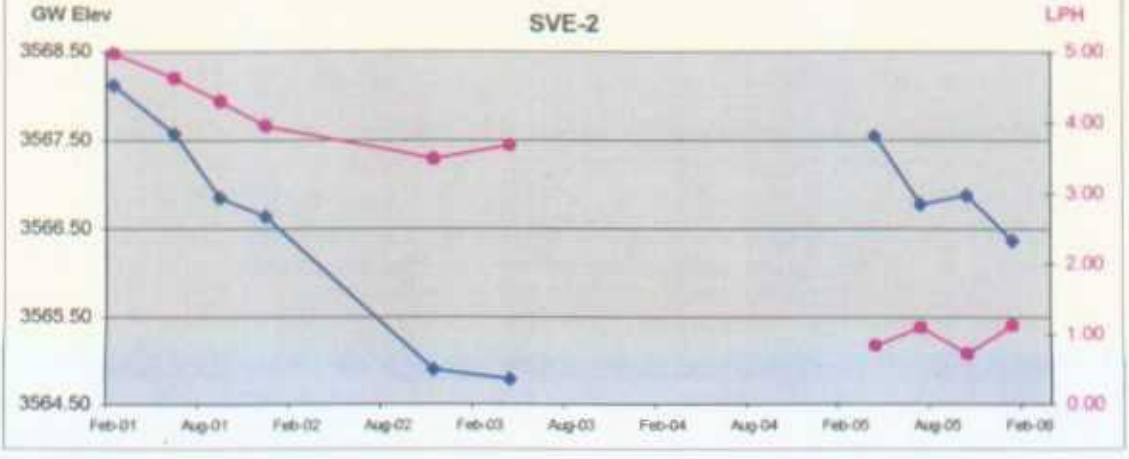




Hydrograph Charts

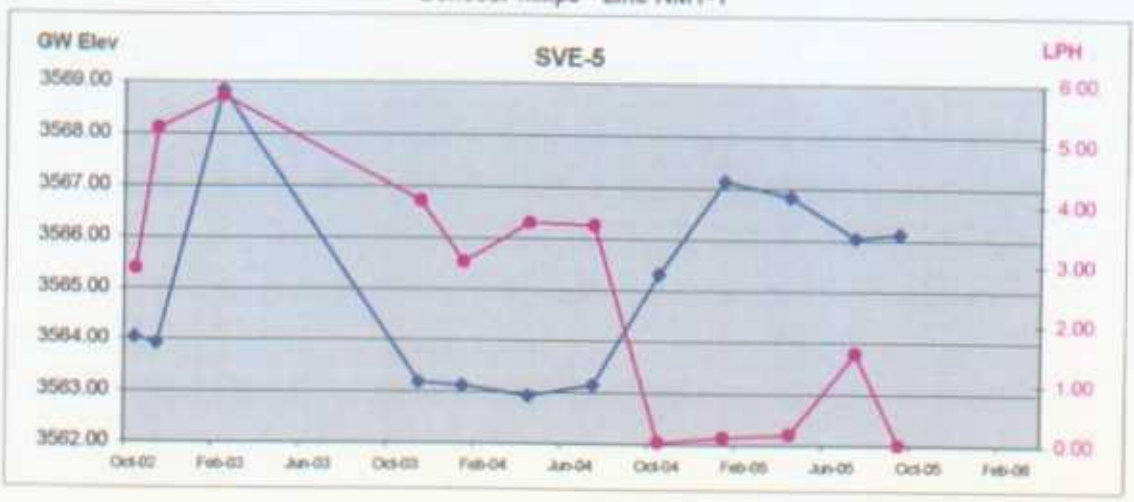
ConocoPhillips - Line NM1-1





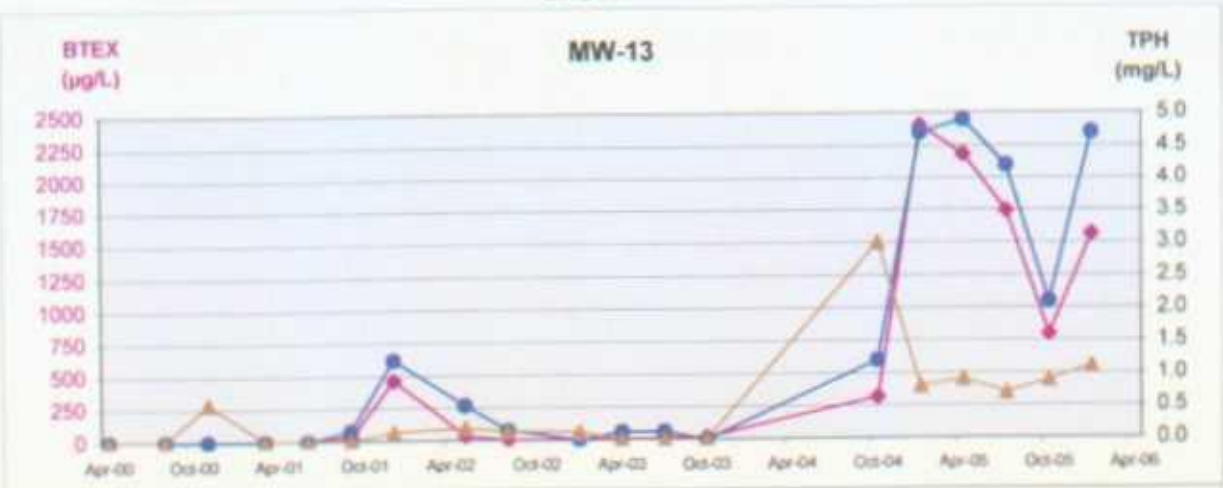
Hydrograph Charts

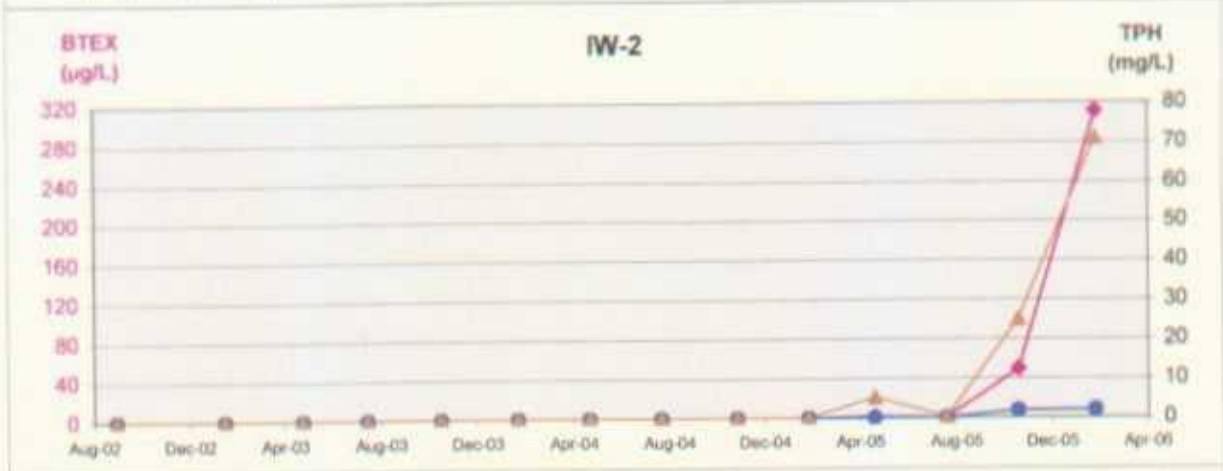
ConocoPhillips - Line NM1-1

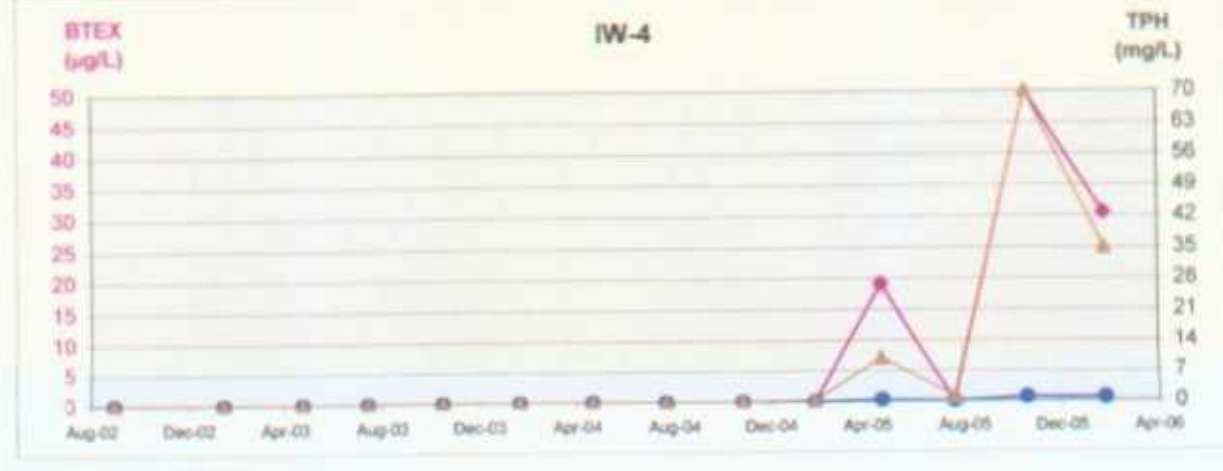


Groundwater Analytical Data Graphs - Organics

Line NM1-1

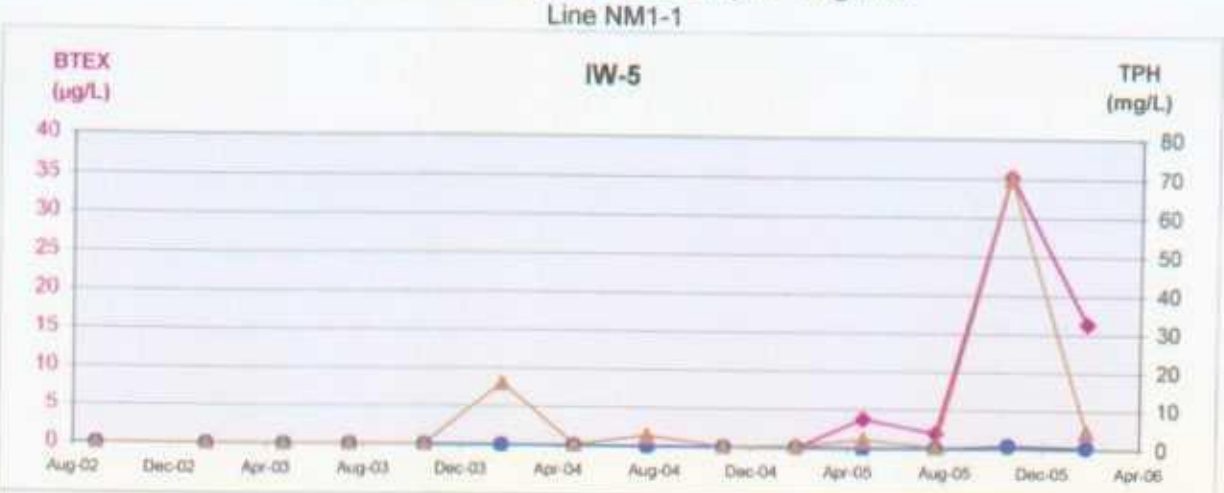


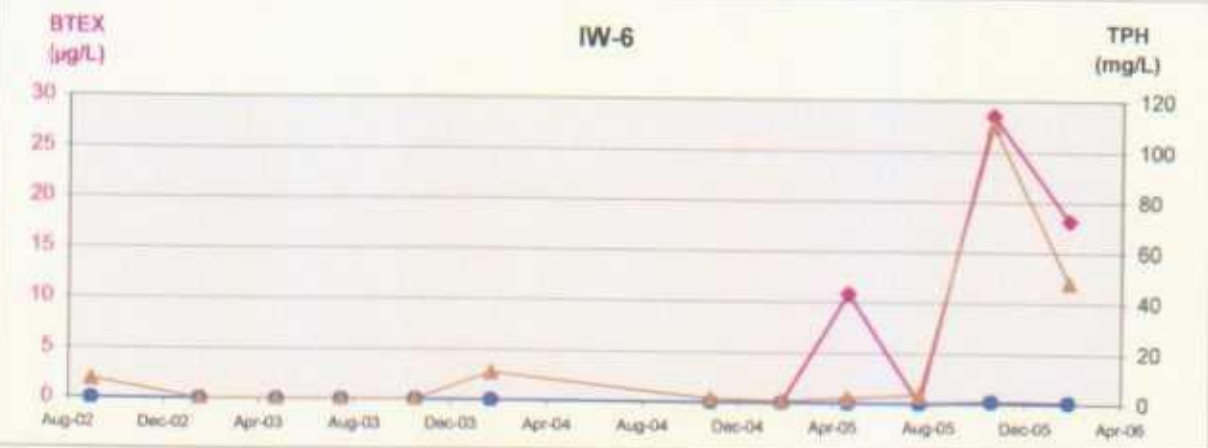


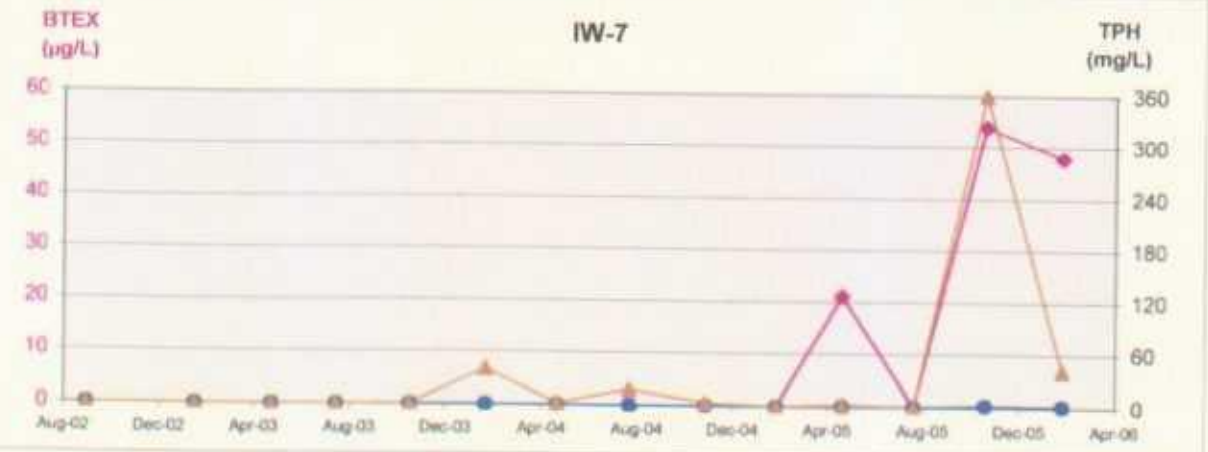


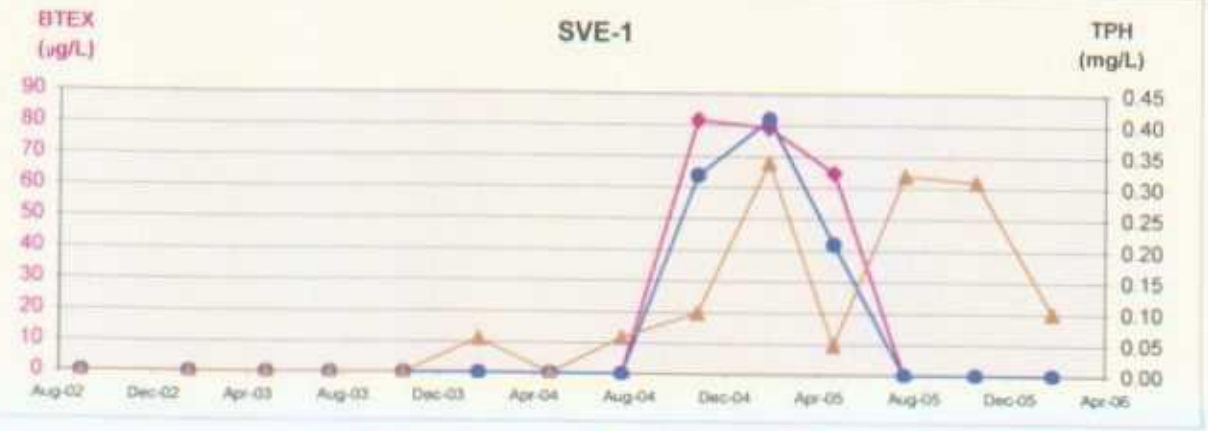
Groundwater Analytical Data Graphs - Organics

Line NM1-1









Total BTEX TPH-GRO TPH-DRO

APPENDIX B
Laboratory Analytical Data

SEVERN TRENT STL

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

REVISED

PROJECT NO. HOBBS, NM 1Q'06

3374 Line NM1-1 Remediation

Lot #: I6A250124

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler

Carla M. Butler
Project Manager

March 1, 2006

Case Narrative

STL LOT NUMBER: **I6A250124**

Revised

This report contains the analytical results for the 13 samples received under chain of custody by Severn Trent Laboratories (STL) on January 25, 2006. These samples are associated with your 3374 Line NM1-1 Remediation project.

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

At the request of Mr. Greg Pope, the GRO analysis of sample 010, IW-6, was reviewed. The result of 710 mg/L in the original report was found to be incorrect due to a data entry error by the analyst. Please replace the original report dated February 9, 2006 with this revised report dated March 1, 2006 that contains the correct GRO result of 0.71 mg/L for sample IW-6.

The volatiles collection had a pH greater than the recommended pH<2 for sample 001.

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I6A250124

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-1 01/24/06 09:20 001				
Diesel Range Organics	0.10	0.048	mg/L	SW846 8015B
Chloride	109	50.0	mg/L	MCAWW 300.0A
EW-2 01/24/06 08:30 002				
Diesel Range Organics	4.9	0.24	mg/L	SW846 8015B
Gasoline Range Organics	34	2.5	mg/L	SW846 8015B
Benzene	6400	25	ug/L	SW846 8021B
Ethylbenzene	910	25	ug/L	SW846 8021B
Toluene	2300	25	ug/L	SW846 8021B
Xylenes (total)	890	75	ug/L	SW846 8021B
Chloride	74.5	50.0	mg/L	MCAWW 300.0A
IW-2 01/24/06 09:54 003				
Diesel Range Organics	71	0.96	mg/L	SW846 8015B
Gasoline Range Organics	2.0	0.10	mg/L	SW846 8015B
Benzene	20	1.0	ug/L	SW846 8021B
Ethylbenzene	88	1.0	ug/L	SW846 8021B
Toluene	63	1.0	ug/L	SW846 8021B
Xylenes (total)	140	3.0	ug/L	SW846 8021B
Chloride	105	50.0	mg/L	MCAWW 300.0A
IW-3 01/24/06 10:23 004				
Diesel Range Organics	87	0.98	mg/L	SW846 8015B
Gasoline Range Organics	1.6	0.10	mg/L	SW846 8015B
Benzene	17	1.0	ug/L	SW846 8021B
Ethylbenzene	14	1.0	ug/L	SW846 8021B
Toluene	8.0	1.0	ug/L	SW846 8021B
Xylenes (total)	9.3	3.0	ug/L	SW846 8021B
Chloride	97.7	50.0	mg/L	MCAWW 300.0A
IW-4 01/24/06 10:48 005				
Diesel Range Organics	35	0.97	mg/L	SW846 8015B
Gasoline Range Organics	0.79	0.10	mg/L	SW846 8015B
Benzene	17	1.0	ug/L	SW846 8021B
Ethylbenzene	1.9	1.0	ug/L	SW846 8021B
Toluene	2.2	1.0	ug/L	SW846 8021B
Xylenes (total)	9.3	3.0	ug/L	SW846 8021B
Chloride	115	50.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I6A250124

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-5 01/24/06 11:11 007				
Diesel Range Organics	4.5	0.97	mg/L	SW846 8015B
Gasoline Range Organics	0.55	0.10	mg/L	SW846 8015B
Benzene	4.1	1.0	ug/L	SW846 8021B
Ethylbenzene	2.9	1.0	ug/L	SW846 8021B
Toluene	3.1	1.0	ug/L	SW846 8021B
Xylenes (total)	6.2	3.0	ug/L	SW846 8021B
Chloride	131	50.0	mg/L	MCAWW 300.0A
MW-13 01/24/06 11:29 008				
Diesel Range Organics	1.1	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.7	1.0	mg/L	SW846 8015B
Benzene	1100	10	ug/L	SW846 8021B
Ethylbenzene	460	10	ug/L	SW846 8021B
Chloride	109	50.0	mg/L	MCAWW 300.0A
DUPLICATE #1 01/24/06 11:32 009				
Diesel Range Organics	0.89	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.2	1.0	mg/L	SW846 8015B
Benzene	1000	10	ug/L	SW846 8021B
Ethylbenzene	410	10	ug/L	SW846 8021B
Chloride	115	50.0	mg/L	MCAWW 300.0A
IW-6 01/24/06 12:30 010				
Diesel Range Organics	48	0.96	mg/L	SW846 8015B
Gasoline Range Organics	0.71	0.10	mg/L	SW846 8015B
Benzene	3.3	1.0	ug/L	SW846 8021B
Toluene	2.8	1.0	ug/L	SW846 8021B
Xylenes (total)	12	3.0	ug/L	SW846 8021B
Chloride	115	50.0	mg/L	MCAWW 300.0A
IW-7 01/24/06 13:11 011				
Diesel Range Organics	41	0.96	mg/L	SW846 8015B
Gasoline Range Organics	1.4	0.10	mg/L	SW846 8015B
Benzene	6.4	1.0	ug/L	SW846 8021B
Ethylbenzene	6.1	1.0	ug/L	SW846 8021B
Toluene	5.3	1.0	ug/L	SW846 8021B
Xylenes (total)	30	3.0	ug/L	SW846 8021B
Chloride	102	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I6A250124

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

I6A250124

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Eddie Reyes	036028
SW846 8015B	Todd Plybon	000059
SW846 8015B	THAO TRAN	402804
SW846 8021B	Todd Plybon	000059
SW846 8021B	THAO TRAN	402804

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

I6A250124

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HV7RD	001	SVE-1	01/24/06	09:20
HV7RR	002	EW-2	01/24/06	08:30
HV7RW	003	IW-2	01/24/06	09:54
HV7RX	004	IW-3	01/24/06	10:23
HV7R0	005	IW-4	01/24/06	10:48
HV7R3	006	TRIP BLANK 1	01/24/06	14:30
HV7R5	007	IW-5	01/24/06	11:11
HV7TA	008	MW-13	01/24/06	11:29
HV7TD	009	DUPLICATE #1	01/24/06	11:32
HV7TH	010	IW-6	01/24/06	12:30
HV7TJ	011	IW-7	01/24/06	13:11
HV7TL	012	TRIP BLANK#2	01/24/06	14:30
HV7TN	013	TRIP BLANK#3	01/24/06	14:30

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

I6A250124

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
002	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6034334	6034180
	WATER	SW846 8021B		6034323	6034174
003	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6034334	6034180
	WATER	SW846 8021B		6034323	6034174
004	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
005	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
006	WATER	SW846 8021B		6027267	6027163
007	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
008	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
009	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I6A250124

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
011	WATER	MCAWW 300.0A		6027281	6027171
	WATER	SW846 8015B		6027412	6027258
	WATER	SW846 8015B		6033154	6033109
	WATER	SW846 8021B		6033146	6033102
012	WATER	SW846 8021B		6027267	6027163
013	WATER	SW846 8021B		6027267	6027163

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I6A250124-001 **Work Order #...:** HV7RD1AA **Matrix.....:** WATER
Date Sampled...: 01/24/06 09:20 **Date Received..:** 01/25/06 08:20
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033154 **Analysis Time..:** 15:07
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)	98	(75 - 122)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I6A250124-001 **Work Order #...:** HV7RD1AD **Matrix.....:** WATER
Date Sampled...: 01/24/06 09:20 **Date Received..:** 01/25/06 08:20
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033146 **Analysis Time..:** 15:07
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(59 - 157)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Semivolatiles

Lot-Sample #...: I6A250124-001 Work Order #...: HV7RD1AC Matrix.....: WATER
Date Sampled...: 01/24/06 09:20 Date Received..: 01/25/06 08:20
Prep Date.....: 01/27/06 Analysis Date..: 02/02/06
Prep Batch #...: 6027412 Analysis Time..: 16:59
Dilution Factor: 0.97
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.10	0.048	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	60	(41 - 143)
Dotriacontane	77	(12 - 153)

ConocoPhillips Company

Client Sample ID: SVE-1

General Chemistry

Lot-Sample #...: I6A250124-001 **Work Order #...:** HV7RD **Matrix.....:** WATER
Date Sampled...: 01/24/06 09:20 **Date Received..:** 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	109	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 08:59

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I6A250124-002 Work Order #...: HV7RR2AA Matrix.....: WATER
Date Sampled...: 01/24/06 08:30 Date Received..: 01/25/06 08:20
Prep Date.....: 02/02/06 Analysis Date..: 02/02/06
Prep Batch #...: 6034334 Analysis Time..: 16:33
Dilution Factor: 25
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	34	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	103	(75 - 122)

ConocoPhillips Company

Client Sample ID: EW-2

GC Volatiles

Lot-Sample #...: I6A250124-002 Work Order #...: HV7RR2AD Matrix.....: WATER
Date Sampled...: 01/24/06 08:30 Date Received..: 01/25/06 08:20
Prep Date.....: 02/02/06 Analysis Date..: 02/02/06
Prep Batch #...: 6034323 Analysis Time..: 16:33
Dilution Factor: 25
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	6400	25	ug/L
Ethylbenzene	910	25	ug/L
Toluene	2300	25	ug/L
Xylenes (total)	890	75	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	117	(59 - 157)

ConocoPhillips Company

Client Sample ID: EW-2

GC Semivolatiles

Lot-Sample #...: I6A250124-002	**Work Order #...:** HV7RR1AC	**Matrix.....:** WATER	
Date Sampled...: 01/24/06 08:30	**Date Received..:** 01/25/06 08:20		
Prep Date.....: 01/27/06	**Analysis Date..:** 02/02/06		
Prep Batch #...: 6027412	**Analysis Time..:** 19:00		
Dilution Factor: 4.8			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**4.9**	**0.24**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	125	(41 - 143)
Dotriacontane	153	(12 - 153)

ConocoPhillips Company

Client Sample ID: EW-2

General Chemistry

Lot-Sample #...: I6A250124-002 Work Order #...: HV7RR Matrix.....: WATER
Date Sampled...: 01/24/06 08:30 Date Received..: 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	74.5	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 09:41

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I6A250124-003	**Work Order #...:** HV7RW2AA	**Matrix.....:** WATER	
Date Sampled...: 01/24/06 09:54	**Date Received..:** 01/25/06 08:20		
Prep Date.....: 02/02/06	**Analysis Date..:** 02/02/06		
Prep Batch #...: 6034334	**Analysis Time..:** 16:05		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**2.0**	**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 #...: I6A250124-003 **Work Order #...:** HV7RW2AD **Matrix.....:** WATER
Date Sampled...: 01/24/06 09:54 **Date Received..:** 01/25/06 08:20
Prep Date.....: 02/02/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6034323 **Analysis Time..:** 16:05
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	20	1.0	ug/L
Ethylbenzene	88	1.0	ug/L
Toluene	63	1.0	ug/L
Xylenes (total)	140	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-2

GC Semivolatiles

Lot-Sample #...: I6A250124-003	**Work Order #...:** HV7RW1AC	**Matrix.....:** WATER	
Date Sampled...: 01/24/06 09:54	**Date Received..:** 01/25/06 08:20		
Prep Date.....: 01/27/06	**Analysis Date..:** 02/02/06		
Prep Batch #...: 6027412	**Analysis Time..:** 19:41		
Dilution Factor: 19.2			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**71**	**0.96**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I6A250124-003 **Work Order #...:** HV7RW **Matrix.....:** WATER
Date Sampled...: 01/24/06 09:54 **Date Received..:** 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	105	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 09:54

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I6A250124-004 Work Order #...: HV7RX1AA Matrix.....: WATER
Date Sampled...: 01/24/06 10:23 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033154 Analysis Time..: 16:33
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	1.6	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	92	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I6A250124-004 Work Order #...: HV7RX1AD Matrix.....: WATER
Date Sampled...: 01/24/06 10:23 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033146 Analysis Time..: 16:33
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	17	1.0	ug/L
Ethylbenzene	14	1.0	ug/L
Toluene	8.0	1.0	ug/L
Xylenes (total)	9.3	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	114	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-3

GC Semivolatiles

Lot-Sample #...: I6A250124-004	Work Order #...: HV7RX1AC	Matrix.....: WATER	
Date Sampled...: 01/24/06 10:23	Date Received..: 01/25/06 08:20		
Prep Date.....: 01/27/06	Analysis Date..: 02/02/06		
Prep Batch #...: 6027412	Analysis Time..: 20:21		
Dilution Factor: 19.6			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	87	0.98	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I6A250124-004 **Work Order #...:** HV7RX **Matrix.....:** WATER
Date Sampled...: 01/24/06 10:23 **Date Received..:** 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	97.7	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 10:08

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I6A250124-005 Work Order #...: HV7R01AA Matrix.....: WATER
Date Sampled...: 01/24/06 10:48 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033154 Analysis Time..: 17:01
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.79	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	106	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I6A250124-005 Work Order #...: HV7R01AD Matrix.....: WATER
Date Sampled...: 01/24/06 10:48 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033146 Analysis Time..: 17:01
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	17	1.0	ug/L
Ethylbenzene	1.9	1.0	ug/L
Toluene	2.2	1.0	ug/L
Xylenes (total)	9.3	3.0	ug/L

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

ConocoPhillips Company

Client Sample ID: IW-4

GC Semivolatiles

Lot-Sample #...: I6A250124-005 **Work Order #...: HV7R01AC** **Matrix.....: WATER**
Date Sampled...: 01/24/06 10:48 **Date Received..: 01/25/06 08:20**
Prep Date.....: 01/27/06 **Analysis Date..: 02/02/06**
Prep Batch #...: 6027412 **Analysis Time..: 21:02**
Dilution Factor: 19.4

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**35**	**0.97**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I6A250124-005 **Work Order #...: HV7R0** **Matrix.....: WATER**
Date Sampled...: 01/24/06 10:48 **Date Received..: 01/25/06 08:20**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	115	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 10:22

ConocoPhillips Company

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #...: I6A250124-006 **Work Order #...:** HV7R31AC **Matrix.....:** WATER
Date Sampled...: 01/24/06 14:30 **Date Received..:** 01/25/06 08:20
Prep Date.....: 01/26/06 **Analysis Date..:** 01/27/06
Prep Batch #...: 6027267 **Analysis Time..:** 11:38
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	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I6A250124-007 Work Order #...: HV7R51AA Matrix.....: WATER
Date Sampled...: 01/24/06 11:11 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033154 Analysis Time..: 17:29
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.55	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	113	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I6A250124-007 Work Order #...: HV7R51AD Matrix.....: WATER
Date Sampled...: 01/24/06 11:11 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033146 Analysis Time..: 17:29
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	4.1	1.0	ug/L
Ethylbenzene	2.9	1.0	ug/L
Toluene	3.1	1.0	ug/L
Xylenes (total)	6.2	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	120	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-5

GC Semivolatiles

Lot-Sample #...: I6A250124-007 **Work Order #...:** HV7R51AC **Matrix.....:** WATER
Date Sampled...: 01/24/06 11:11 **Date Received..:** 01/25/06 08:20
Prep Date.....: 01/27/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6027412 **Analysis Time..:** 21:42
Dilution Factor: 19.4
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**4.5**	**0.97**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I6A250124-007 **Work Order #...:** HV7R5 **Matrix.....:** WATER
Date Sampled...: 01/24/06 11:11 **Date Received..:** 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	131	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 10:36

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I6A250124-008 Work Order #...: HV7TA1AA Matrix.....: WATER
Date Sampled...: 01/24/06 11:29 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033154 Analysis Time..: 18:25
Dilution Factor: 10

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	4.7	1.0	mg/L

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

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I6A250124-008 **Work Order #...:** HV7TA1AD **Matrix.....:** WATER
Date Sampled...: 01/24/06 11:29 **Date Received..:** 01/25/06 08:20
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033146 **Analysis Time..:** 18:25
Dilution Factor: 10

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1100**	**10**	**ug/L**
Ethylbenzene	**460**	**10**	**ug/L**
Toluene	ND	10	ug/L
Xylenes (total)	ND	30	ug/L

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

ConocoPhillips Company

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...:	I6A250124-008	**Work Order #...:** HV7TA1AC	**Matrix.....:** WATER
Date Sampled...:	01/24/06 11:29	**Date Received..:** 01/25/06 08:20	
Prep Date.....:	01/27/06	**Analysis Date..:** 02/02/06	
Prep Batch #...:	6027412	**Analysis Time..:** 22:23	
Dilution Factor:	0.96		
		Method.....: SW846 8015B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**1.1**	**0.048**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	88	(41 - 143)
Dotriacontane	92	(12 - 153)

ConocoPhillips Company

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I6A250124-008 Work Order #...: HV7TA Matrix.....: WATER
Date Sampled...: 01/24/06 11:29 Date Received..: 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	109	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 11:18

ConocoPhillips Company

Client Sample ID: DUPLICATE #1

GC Volatiles

Lot-Sample #...: I6A250124-009	**Work Order #...:** HV7TD1AA	**Matrix.....:** WATER	
Date Sampled...: 01/24/06 11:32	**Date Received..:** 01/25/06 08:20		
Prep Date.....: 02/01/06	**Analysis Date..:** 02/01/06		
Prep Batch #...: 6033154	**Analysis Time..:** 18:53		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**4.2**	**1.0**	**mg/L**

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

ConocoPhillips Company

Client Sample ID: DUPLICATE #1

GC Volatiles

Lot-Sample #...: I6A250124-009 **Work Order #...:** HV7TD1AD **Matrix.....:** WATER
Date Sampled...: 01/24/06 11:32 **Date Received..:** 01/25/06 08:20
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033146 **Analysis Time..:** 18:53
Dilution Factor: 10
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1000**	**10**	**ug/L**
Ethylbenzene	**410**	**10**	**ug/L**
Toluene	ND	10	ug/L
Xylenes (total)	ND	30	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	104	(59 - 157)

ConocoPhillips Company

Client Sample ID: DUPLICATE #1

GC Semivolatiles

Lot-Sample #...: I6A250124-009 Work Order #...: HV7TD1AC Matrix.....: WATER
Date Sampled...: 01/24/06 11:32 Date Received..: 01/25/06 08:20
Prep Date.....: 01/27/06 Analysis Date..: 02/02/06
Prep Batch #...: 6027412 Analysis Time..: 23:03
Dilution Factor: 0.96
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.89	0.048	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	76	(41 - 143)
Dotriacontane	80	(12 - 153)

ConocoPhillips Company

Client Sample ID: DUPLICATE #1

General Chemistry

Lot-Sample #...: I6A250124-009 **Work Order #...: HV7TD** **Matrix.....: WATER**
Date Sampled...: 01/24/06 11:32 **Date Received..: 01/25/06 08:20**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	115	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 11:32

ConocoPhillips Company

Client Sample ID: IW-6

GC Volatiles

Lot-Sample #...: I6A250124-010 Work Order #...: HV7TH1AA Matrix.....: WATER
Date Sampled...: 01/24/06 12:30 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033154 Analysis Time..: 19:21
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.71	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	106	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-6

GC Volatiles

Lot-Sample #...: I6A250124-010 **Work Order #...:** HV7TH1AD **Matrix.....:** WATER
Date Sampled...: 01/24/06 12:30 **Date Received..:** 01/25/06 08:20
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033146 **Analysis Time..:** 19:21
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**3.3**	**1.0**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Toluene	**2.8**	**1.0**	**ug/L**
Xylenes (total)	**12**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-6

GC Semivolatiles

Lot-Sample #...: I6A250124-010 Work Order #...: HV7TH1AC Matrix.....: WATER
Date Sampled...: 01/24/06 12:30 Date Received..: 01/25/06 08:20
Prep Date.....: 01/27/06 Analysis Date..: 02/02/06
Prep Batch #...: 6027412 Analysis Time..: 23:43
Dilution Factor: 19.2
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	48	0.96	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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-6

General Chemistry

Lot-Sample #...: I6A250124-010 **Work Order #...:** HV7TH **Matrix.....:** WATER
Date Sampled...: 01/24/06 12:30 **Date Received..:** 01/25/06 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	115	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 11:45

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I6A250124-011	**Work Order #...:** HV7TJ1AA	**Matrix.....:** WATER	
Date Sampled...: 01/24/06 13:11	**Date Received..:** 01/25/06 08:20		
Prep Date.....: 02/01/06	**Analysis Date..:** 02/01/06		
Prep Batch #...: 6033154	**Analysis Time..:** 23:01		
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)	105	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I6A250124-011 Work Order #...: HV7TJ1AD Matrix.....: WATER
Date Sampled...: 01/24/06 13:11 Date Received..: 01/25/06 08:20
Prep Date.....: 02/01/06 Analysis Date..: 02/01/06
Prep Batch #...: 6033146 Analysis Time..: 23:01
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	6.4	1.0	ug/L
Ethylbenzene	6.1	1.0	ug/L
Toluene	5.3	1.0	ug/L
Xylenes (total)	30	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	124	(59 - 157)

ConocoPhillips Company

Client Sample ID: IW-7

GC Semivolatiles

Lot-Sample #...: I6A250124-011	Work Order #...: HV7TJ1AC	Matrix.....: WATER	
Date Sampled...: 01/24/06 13:11	Date Received..: 01/25/06 08:20		
Prep Date.....: 01/27/06	Analysis Date..: 02/03/06		
Prep Batch #...: 6027412	Analysis Time..: 00:24		
Dilution Factor: 19.2			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	41	0.96	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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

General Chemistry

Lot-Sample #...: I6A250124-011 **Work Order #...: HV7TJ** **Matrix.....: WATER**
Date Sampled...: 01/24/06 13:11 **Date Received..: 01/25/06 08:20**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	102	50.0	mg/L	MCAWW 300.0A	01/26/06	6027281

Dilution Factor: 50 Analysis Time..: 11:59

ConocoPhillips Company

Client Sample ID: TRIP BLANK#2

GC Volatiles

Lot-Sample #...: I6A250124-012 **Work Order #...:** HV7TL1AC **Matrix.....:** WATER
Date Sampled...: 01/24/06 14:30 **Date Received..:** 01/25/06 08:20
Prep Date.....: 01/26/06 **Analysis Date..:** 01/27/06
Prep Batch #...: 6027267 **Analysis Time..:** 12:04
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	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(59 - 157)

ConocoPhillips Company

Client Sample ID: TRIP BLANK#3

GC Volatiles

Lot-Sample #...: I6A250124-013 **Work Order #...:** HV7TN1AC **Matrix.....:** WATER
Date Sampled...: 01/24/06 14:30 **Date Received..:** 01/25/06 08:20
Prep Date.....: 01/26/06 **Analysis Date..:** 01/27/06
Prep Batch #...: 6027267 **Analysis Time..:** 12:30
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	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(59 - 157)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I6A250124 **Work Order #...:** HWPMJ1AA **Matrix.....:** WATER
MB Lot-Sample #: I6B020000-154

Prep Date.....: 02/01/06 **Analysis Time..:** 13:57
Analysis Date..: 02/01/06 **Prep Batch #...:** 6033154
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 #...: I6A250124 **Work Order #...:** HWTKR1AA **Matrix.....:** WATER
MB Lot-Sample #: I6B030000-334

Prep Date.....: 02/02/06 **Analysis Time..:** 15:37
Analysis Date..: 02/02/06 **Prep Batch #...:** 6034334
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 #...: I6A250124 **Work Order #...:** HWE8C1AA **Matrix.....:** WATER
MB Lot-Sample #: I6A270000-267

Prep Date.....: 01/26/06 **Analysis Time..:** 16:51
Analysis Date..: 01/26/06 **Prep Batch #...:** 6027267
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	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(59 - 157)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I6A250124 **Work Order #...:** HWPLW1AA **Matrix.....:** WATER
MB Lot-Sample #: I6B020000-146

Prep Date.....: 02/01/06 **Analysis Time..:** 13:57
Analysis Date..: 02/01/06 **Prep Batch #...:** 6033146
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	97	(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 #...: I6A250124 **Work Order #...:** HWTJJ1AA **Matrix.....:** WATER
MB Lot-Sample #: I6B030000-323

Prep Date.....: 02/02/06 **Analysis Time..:** 15:37
Analysis Date..: 02/02/06 **Prep Batch #...:** 6034323
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	98	(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 Semivolatiles

Client Lot #...: I6A250124 **Work Order #...:** HWF2A1AA **Matrix.....:** WATER
MB Lot-Sample #: I6A270000-412

Prep Date.....: 01/27/06 **Analysis Time..:** 15:38
Analysis Date..: 02/02/06 **Prep Batch #...:** 6027412
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	59	(41 - 143)
Dotriacontane	71	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I6A250124 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HWFEH1AA		MB Lot-Sample #:	I6A270000-281	
	ND	1.0	mg/L	MCAWW 300.0A	01/26/06	6027281
		Dilution Factor: 1				
		Analysis Time..: 08:31				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I6A250124 **Work Order #...:** HWPMJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I6B020000-154 HWPMJ1AD-LCSD
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033154 **Analysis Time..:** 13:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**106**	**(85 - 115)**			**SW846 8015B**
	103	**(85 - 115)**	**2.0**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	106	(81 - 123)
	107	(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 #...: I6A250124 **Work Order #...:** HWTKR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I6B030000-334 HWTKR1AD-LCSD
Prep Date.....: 02/02/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6034334 **Analysis Time..:** 14:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**98**	**(85 - 115)**			**SW846 8015B**
	96	**(85 - 115)**	**1.8**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	104	(81 - 123)
	104	(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 #...: I6A250124 **Work Order #...:** HWE8C1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I6A270000-267 HWE8C1AD-LCSD
Prep Date.....: 01/26/06 **Analysis Date..:** 01/26/06
Prep Batch #...: 6027267 **Analysis Time..:** 13:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(78 - 114)**			**SW846 8021B**
	104	**(78 - 114)**	**0.34**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**93**	**(87 - 114)**			**SW846 8021B**
	97	**(87 - 114)**	**3.8**	**(0-20)**	**SW846 8021B**
Toluene	**90**	**(87 - 115)**			**SW846 8021B**
	92	**(87 - 115)**	**1.4**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**90**	**(86 - 119)**			**SW846 8021B**
	93	**(86 - 119)**	**2.5**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(85 - 111)
	97	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	106	(88 - 110)
	104	(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 #...: I6A250124 **Work Order #...:** HWPLW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I6B020000-146 HWPLW1AD-LCSD
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033146 **Analysis Time..:** 11:09
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(78 - 114)**			**SW846 8021B**
	89	**(78 - 114)**	**5.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**98**	**(87 - 114)**			**SW846 8021B**
	92	**(87 - 114)**	**5.8**	**(0-20)**	**SW846 8021B**
Toluene	**100**	**(87 - 115)**			**SW846 8021B**
	95	**(87 - 115)**	**5.4**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**97**	**(86 - 119)**			**SW846 8021B**
	93	**(86 - 119)**	**4.6**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(85 - 111)
	99	(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 #...: I6A250124 **Work Order #...:** HWTJJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I6B030000-323 HWTJJ1AD-LCSD
Prep Date.....: 02/02/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6034323 **Analysis Time..:** 12:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(78 - 114)**			**SW846 8021B**
	91	**(78 - 114)**	**0.010**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**89**	**(87 - 114)**			**SW846 8021B**
	90	**(87 - 114)**	**0.45**	**(0-20)**	**SW846 8021B**
Toluene	**95**	**(87 - 115)**			**SW846 8021B**
	95	**(87 - 115)**	**0.15**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**90**	**(86 - 119)**			**SW846 8021B**
	91	**(86 - 119)**	**0.54**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(85 - 111)
	99	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	97	(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 #...: I6A250124 **Work Order #...:** HWF2A1AC **Matrix.....:** WATER
LCS Lot-Sample#: I6A270000-412
Prep Date.....: 01/27/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6027412 **Analysis Time..:** 16:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**55**	**(44 - 151)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	77	(41 - 143)
Dotriacontane	73	(12 - 153)

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 #...: I6A250124 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HWFEH1AC	LCS Lot-Sample#: I6A270000-281		
	91	(90 - 110)	MCAWW 300.0A	01/26/06	6027281
		Dilution Factor: 1	Analysis Time..: 08:45		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I6A250124 **Work Order #...:** HWD641AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I6A270130-002 HWD641AG-MSD
Date Sampled...: 01/25/06 08:27 **Date Received..:** 01/27/06 08:00
Prep Date.....: 02/01/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6033154 **Analysis Time..:** 10:06
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**116**	**(79 - 124)**			**SW846 8015B**
	98	**(79 - 124)**	**17**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	107	(75 - 122)
	109	(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 #...: I6A250124 **Work Order #...:** HWD8J1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I6A270130-014 HWD8J1AG-MSD
Date Sampled...: 01/25/06 12:50 **Date Received..:** 01/27/06 08:00
Prep Date.....: 02/02/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6034334 **Analysis Time..:** 19:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**89**	**(79 - 124)**			**SW846 8015B**
	91	**(79 - 124)**	**2.7**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	107	(75 - 122)
	104	(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 #...: I6A250124 **Work Order #...:** HV5121AL-MS **Matrix.....:** WATER
MS Lot-Sample #: I6A240128-001 HV5121AM-MSD
Date Sampled...: 01/23/06 10:15 **Date Received..:** 01/24/06 08:00
Prep Date.....: 01/26/06 **Analysis Date..:** 01/27/06
Prep Batch #...: 6027267 **Analysis Time..:** 10:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**88**	**(78 - 114)**			**SW846 8021B**
	96	**(78 - 114)**	**5.2**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**93**	**(87 - 117)**			**SW846 8021B**
	88	**(87 - 117)**	**5.8**	**(0-20)**	**SW846 8021B**
Toluene	**80 a**	**(87 - 115)**			**SW846 8021B**
	83 a	**(87 - 115)**	**2.0**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**75 a**	**(86 - 119)**			**SW846 8021B**
	86	**(86 - 119)**	**5.9**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(81 - 119)
	113	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	293 *	(59 - 157)
	301 *	(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.

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I6A250124 **Work Order #...:** HWD6D1AH-MS **Matrix.....:** WATER
MS Lot-Sample #: I6A270130-001 HWD6D1AJ-MSD
Date Sampled...: 01/25/06 08:02 **Date Received..:** 01/27/06 08:00
Prep Date.....: 02/01/06 **Analysis Date..:** 02/01/06
Prep Batch #...: 6033146 **Analysis Time..:** 19:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**92**	**(78 - 114)**			**SW846 8021B**
	90	**(78 - 114)**	**2.2**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**94**	**(87 - 117)**			**SW846 8021B**
	92	**(87 - 117)**	**2.3**	**(0-20)**	**SW846 8021B**
Toluene	**97**	**(87 - 115)**			**SW846 8021B**
	95	**(87 - 115)**	**2.0**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**91**	**(86 - 119)**			**SW846 8021B**
	90	**(86 - 119)**	**1.5**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(59 - 157)
	98	(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 #...: I6A250124 **Work Order #...:** HWD8E1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I6A270130-013 HWD8E1AG-MSD
Date Sampled...: 01/25/06 12:26 **Date Received..:** 01/27/06 08:00
Prep Date.....: 02/02/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6034323 **Analysis Time..:** 18:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**66 a**	**(78 - 114)**			**SW846 8021B**
	70 a	**(78 - 114)**	**6.1**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**65 a**	**(87 - 117)**			**SW846 8021B**
	70 a	**(87 - 117)**	**6.9**	**(0-20)**	**SW846 8021B**
Toluene	**71 a**	**(87 - 115)**			**SW846 8021B**
	75 a	**(87 - 115)**	**6.0**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**67 a**	**(86 - 119)**			**SW846 8021B**
	71 a	**(86 - 119)**	**6.2**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(59 - 157)
	97	(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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I6A250124 **Work Order #...:** HV7RD1AH-MS **Matrix.....:** WATER
MS Lot-Sample #: I6A250124-001 HV7RD1AJ-MSD
Date Sampled...: 01/24/06 09:20 **Date Received..:** 01/25/06 08:20
Prep Date.....: 01/27/06 **Analysis Date..:** 02/02/06
Prep Batch #...: 6027412 **Analysis Time..:** 17:39
Dilution Factor: 0.97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**45**	**(44 - 151)**			**SW846 8015B**
	71 p	**(44 - 151)**	**38**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	70	(41 - 143)
	97	(41 - 143)
Dotriacontane	70	(12 - 153)
	90	(12 - 153)

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 #...: I6A250124 **Matrix.....:** WATER
Date Sampled...: 01/25/06 10:15 **Date Received..:** 01/26/06 08:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HV7RD1AF-MS/HV7RD1AG-MSD				MS Lot-Sample #: I6A250124-001	
	94	(90 - 110)			MCAWW 300.0A	01/26/06	6027281
	94	(90 - 110)	0.18	(0-20)	MCAWW 300.0A	01/26/06	6027281
		Dilution Factor: 50					
		Analysis Time..: 09:13					
Chloride		WO#: HWAF71AV-MS/HWAF71AW-MSD				MS Lot-Sample #: I6A260156-001	
	67 N	(90 - 110)			MCAWW 300.0A	01/26/06	6027281
	67 N	(90 - 110)	0.01	(0-20)	MCAWW 300.0A	01/26/06	6027281
		Dilution Factor: 1					
		Analysis Time..: 12:55					

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 requirments of NELAC. 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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I6A250124

RECEIVED BY: CA

COC NUMBER:

DATE/TIME RECEIVED: 4/25/06 0820

QUOTE/PROFILE: 62511

UNPACKED DATE/TIME: 4/25/06 0900

CLIENT/PROJECT: Mason Midland

SAMPLES LOGGED IN: KA

LOG-IN REVIEWED: CC

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: CA

Container Sealed: ☒ YES ☐ NO

Custody Seal Signed/Dated: ☒ YES ☐ NO

Custody Seal Present: ☒ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☒ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO

Packing Material Used: (circle)

None / Absorbent / Paper / Bubble Wrap

Samples Received Match Chain: ☐ YES ☐ NO

Other Equipment Received: ☐ YES ☐ NO

See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: CA **IR THERMOMETER #:** 24

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4.0°C ± 2.0°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 5.5	SC 4.9	SC 4.2	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 **VERIFIED BY:** CA

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

4.0 CONDITION OF BOTTLES/CONTAINERS VERIFIED BY: KAA

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: ☑ 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:
No test on COC for T. Blk #2; log for 8021 BTEX. cmb
Deleted GRO from Trip Blk 1 (006), Trip Blk 2 (012) & Trip Blk 3 (013) per project set up sheet.

CORRECTIVE ACTION:
Client's Name: Shey Pope Informed ~~verbally~~ on: email 1-26-06 By: CMB
Client's Name: _____ Informed verbally on: _____ By: _____
Sample(s) processed "as is" comments: _____

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

REVIEW:
Project Management: CMB Date: 1-26-06

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

D6A2[redacted]124

CHAIN OF CUSTODY NUMBER

$$012720-001

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

53860

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 3
Maxim Technologies	Greg Pope	01/19/2006	
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	FED EX 8542 6177 2442		

Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : 3374MAX011 COP PM Neal Goates 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 V/L	TPHS DRO	ICCL L
SVE-1	1/24/06	0920	WATER	1L	AMBER	3	None	3.5° CH 1/25/06			X	
"		"	WATER	40mL	VIAL	4	1:1 HCL	GOOD	X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
EW-2		0830	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
IW-2		0954	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
IW-3		1023	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
IW-4		1048	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
TRIP BLANK 1		1430	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)

	Date	Time		Date	Time
1. Relinquished By: Jason Graham	1/24/06	1500	1. Received By	1/25/06	0800
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

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Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$$012720-002

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

53861

STL4149 (1202)

Client	Project Manager	Date
Maxim Technologies	Greg Pope	01/19/2006
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 MM1-1 Remediation	FED EX 8542 6177 2442	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAX011 COP PM Neal Goates	QUOTE: 62511	

Page 2 of 3

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC80211L	Analysis: TPHVIL	Analysis: TPHSIDRO	Analysis: ICCLIL
IW-5	1/24/06	1111	WATER	1L	AMBER	2	None	4.9° Cut 1/25/06			X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
[redacted] MW-13		1129	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
Duplicate #1		1132	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
IW-6		1230	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
IW-7		1311	WATER	1L	AMBER	2	None				X	
"		"	WATER	40mL	VIAL	4	1:1 HCL		X	X		
"		"	WATER	250mL	PLASTIC	1	None					X
TRIP BLANK #2		1430	WATER	40mL	VIAL	2	1:1 HCL					

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

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other _____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Jason Graham	1/24/06	1500	1. Received By	1/25/06	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

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Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$$012720-003

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

53862

STL4149 (1202)

Client	Project Manager	Date
Maxim Technologies	Greg Pope	01/19/2006
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 HM1-1 Remediation	FedEx 8542 6177 2442	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAX011 COP PM Neal Goates		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 VOL	Analysis: TPH SOLID (DRO)	Analysis: ICL (Chloride)
			WATER	1L	AMBER	2	None	4.2° Ice 1/25/06 MOD			X	
			WATER	40mL	VIAL	4	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
TRIP BLANK	1/24/06	1430	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)

	Date	Time		Date	Time
1. Relinquished By			1. Received By	1/26/06	0800
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

79/79

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ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 4Q'05

3374 Line NM1-1 Remediation

Lot #: I5J190216

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler

Carla M. Butler
Project Manager

November 17, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5J190216**

This report contains the analytical results for the 11 samples received under chain of custody by Severn Trent Laboratories (STL) on October 19, 2005. These samples are associated with your 3374 Line NM1-1 Remediation project.

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

Results for benzene and ethylbenzene were slightlly over calibration for samples 008, 009, and 010. Samples were consumed and cannot be analyzed further.

In lieu of a Matrix Spike/Matrix Spike Duplicate, a duplicate Laboratory Control Sample was prepared to provide precision measurements for the DRO analysis.

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5J190216

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-1 10/18/05 08:45 001				
Diesel Range Organics	0.31	0.048	mg/L	SW846 8015B
Chloride	96.5	50.0	mg/L	MCAWW 300.0A
IW-2 10/18/05 09:30 002				
Diesel Range Organics	25	0.48	mg/L	SW846 8015B
Gasoline Range Organics	1.8	0.10	mg/L	SW846 8015B
Benzene	19	1.0	ug/L	SW846 8021B
Ethylbenzene	18	1.0	ug/L	SW846 8021B
Xylenes (total)	12	3.0	ug/L	SW846 8021B
Chloride	107	50.0	mg/L	MCAWW 300.0A
IW-3 10/18/05 10:15 003				
Diesel Range Organics	180	0.96	mg/L	SW846 8015B
Gasoline Range Organics	1.4	0.10	mg/L	SW846 8015B
Benzene	6.2	1.0	ug/L	SW846 8021B
Ethylbenzene	13	1.0	ug/L	SW846 8021B
Xylenes (total)	11	3.0	ug/L	SW846 8021B
Chloride	106	50.0	mg/L	MCAWW 300.0A
IW-4 10/18/05 10:50 004				
Diesel Range Organics	70	0.48	mg/L	SW846 8015B
Gasoline Range Organics	0.98	0.10	mg/L	SW846 8015B
Benzene	32	1.0	ug/L	SW846 8021B
Ethylbenzene	2.6	1.0	ug/L	SW846 8021B
Toluene	1.5	1.0	ug/L	SW846 8021B
Xylenes (total)	14	3.0	ug/L	SW846 8021B
Chloride	108	50.0	mg/L	MCAWW 300.0A
IW-5 10/18/05 11:15 005				
Diesel Range Organics	70	0.48	mg/L	SW846 8015B
Gasoline Range Organics	0.89	0.10	mg/L	SW846 8015B
Benzene	20	1.0	ug/L	SW846 8021B
Ethylbenzene	5.5	1.0	ug/L	SW846 8021B
Xylenes (total)	9.7	3.0	ug/L	SW846 8021B
Chloride	110	50.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I5J190216

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TRIP BLANK 1 10/18/05 15:15 006				
Gasoline Range Organics	0.87	0.10	mg/L	SW846 8015B
Benzene	21	1.0	ug/L	SW846 8021B
Ethylbenzene	5.5	1.0	ug/L	SW846 8021B
Xylenes (total)	9.7	3.0	ug/L	SW846 8021B
IW-6 10/18/05 11:35 007				
Diesel Range Organics	110	0.49	mg/L	SW846 8015B
Gasoline Range Organics	0.88	0.10	mg/L	SW846 8015B
Benzene	7.1	1.0	ug/L	SW846 8021B
Ethylbenzene	4.4	1.0	ug/L	SW846 8021B
Xylenes (total)	17	3.0	ug/L	SW846 8021B
Chloride	110	50.0	mg/L	MCAWW 300.0A
IW-7 10/18/05 13:20 008				
Diesel Range Organics	360	0.96	mg/L	SW846 8015B
Gasoline Range Organics	2.3	0.10	mg/L	SW846 8015B
Benzene	300 E	1.0	ug/L	SW846 8021B
Ethylbenzene	340 E	1.0	ug/L	SW846 8021B
Xylenes (total)	7.7	3.0	ug/L	SW846 8021B
Chloride	107	50.0	mg/L	MCAWW 300.0A
MW-13 10/18/05 13:45 009				
Diesel Range Organics	0.88	0.048	mg/L	SW846 8015B
Gasoline Range Organics	2.1	0.10	mg/L	SW846 8015B
Benzene	300 E	1.0	ug/L	SW846 8021B
Ethylbenzene	340 E	1.0	ug/L	SW846 8021B
Xylenes (total)	6.8	3.0	ug/L	SW846 8021B
Chloride	108	50.0	mg/L	MCAWW 300.0A
DUP #1 10/18/05 13:47 010				
Diesel Range Organics	0.86	0.048	mg/L	SW846 8015B
Gasoline Range Organics	2.0	0.10	mg/L	SW846 8015B
Benzene	300 E	1.0	ug/L	SW846 8021B
Ethylbenzene	340 E	1.0	ug/L	SW846 8021B
Xylenes (total)	6.8	3.0	ug/L	SW846 8021B
Chloride	106	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5J190216

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

I5J190216

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Eddie Reyes	036028
SW846 8015B	Kai Allen	402013
SW846 8021B	Kai Allen	402013

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

I5J190216

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HM3K3	001	SVE-1	10/18/05	08:45
HM3N9	002	IW-2	10/18/05	09:30
HM3PL	003	IW-3	10/18/05	10:15
HM3PM	004	IW-4	10/18/05	10:50
HM3PR	005	IW-5	10/18/05	11:15
HM3PT	006	TRIP BLANK 1	10/18/05	15:15
HM3QA	007	IW-6	10/18/05	11:35
HM3QG	008	IW-7	10/18/05	13:20
HM3QK	009	MW-13	10/18/05	13:45
HM3QR	010	DUP #1	10/18/05	13:47
HM3QX	011	TRIP BLANK 2	10/18/05	15:45

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

I5J190216

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
002	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
003	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
004	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
005	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
006	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
007	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
008	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5308303	
	WATER	SW846 8021B		5304387	5306428
009	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5308303	
	WATER	SW846 8021B		5304387	5306428

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I5J190216

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 300.0A		5299464	5299260
	WATER	SW846 8015B		5292519	
	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428
011	WATER	SW846 8015B		5306436	5306259
	WATER	SW846 8021B		5304387	5306428

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I5J190216-001 **Work Order #...:** HM3K32AA **Matrix.....:** WATER
Date Sampled...: 10/18/05 08:45 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5306436 **Analysis Time..:** 15:26
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)	109	(75 - 122)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I5J190216-001 **Work Order #...:** HM3K31AD **Matrix.....:** WATER
Date Sampled...: 10/18/05 08:45 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 15:26
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)	95	(73 - 135)

ConocoPhillips Company

Client Sample ID: SVE-1

GC Semivolatiles

Lot-Sample #...: I5J190216-001 **Work Order #...:** HM3K31AC **Matrix.....:** WATER
Date Sampled...: 10/18/05 08:45 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/19/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5292519 **Analysis Time..:** 09:30
Dilution Factor: 0.96
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.31	0.048	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	106	(41 - 143)
Dotriacontane	120	(12 - 153)

ConocoPhillips Company

Client Sample ID: SVE-1

General Chemistry

Lot-Sample #...: I5J190216-001 Work Order #...: HM3K3 Matrix.....: WATER
Date Sampled...: 10/18/05 08:45 Date Received..: 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	96.5	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 11:51

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I5J190216-002 **Work Order #...:** HM3N91AA **Matrix.....:** WATER
Date Sampled...: 10/18/05 09:30 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5306436 **Analysis Time..:** 15:55
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	1.8	0.10	mg/L

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

ConocoPhillips Company

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I5J190216-002	**Work Order #...:** HM3N91AD	**Matrix.....:** WATER	
Date Sampled...: 10/18/05 09:30	**Date Received..:** 10/19/05 08:10		
Prep Date.....: 10/29/05	**Analysis Date..:** 10/29/05		
Prep Batch #...: 5304387	**Analysis Time..:** 15:55		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**19**	**1.0**	**ug/L**
Ethylbenzene	**18**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**12**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	444 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: IW-2

GC Semivolatiles

Lot-Sample #...: I5J190216-002 Work Order #...: HM3N91AC Matrix.....: WATER
Date Sampled...: 10/18/05 09:30 Date Received..: 10/19/05 08:10
Prep Date.....: 10/19/05 Analysis Date..: 10/29/05
Prep Batch #...: 5292519 Analysis Time..: 10:11
Dilution Factor: 9.62
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	25	0.48	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I5J190216-002 Work Order #...: HM3N9 Matrix.....: WATER
Date Sampled...: 10/18/05 09:30 Date Received..: 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	107	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 12:05

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I5J190216-003 **Work Order #...:** HM3PL1AA **Matrix.....:** WATER
Date Sampled...: 10/18/05 10:15 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5306436 **Analysis Time..:** 16:24
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)	103	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I5J190216-003 **Work Order #...:** HM3PL1AD **Matrix.....:** WATER
Date Sampled...: 10/18/05 10:15 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 16:24
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**6.2**	**1.0**	**ug/L**
Ethylbenzene	**13**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**11**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	463 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: IW-3

GC Semivolatiles

Lot-Sample #...: I5J190216-003 **Work Order #...:** HM3PL1AC **Matrix.....:** WATER
Date Sampled...: 10/18/05 10:15 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/19/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5292519 **Analysis Time..:** 10:52
Dilution Factor: 19.23
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	180	0.96	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I5J190216-003 Work Order #...: HM3PL Matrix.....: WATER
Date Sampled...: 10/18/05 10:15 Date Received..: 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	106	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 12:19

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I5J190216-004 Work Order #...: HM3PM1AA Matrix.....: WATER
Date Sampled...: 10/18/05 10:50 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5306436 Analysis Time..: 16:53
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.98	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	113	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I5J190216-004 **Work Order #...:** HM3PM1AD **Matrix.....:** WATER
Date Sampled...: 10/18/05 10:50 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 16:53
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	32	1.0	ug/L
Ethylbenzene	2.6	1.0	ug/L
Toluene	1.5	1.0	ug/L
Xylenes (total)	14	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	416 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: IW-4

GC Semivolatiles

Lot-Sample #...: I5J190216-004 Work Order #...: HM3PM1AC Matrix.....: WATER
Date Sampled...: 10/18/05 10:50 Date Received..: 10/19/05 08:10
Prep Date.....: 10/19/05 Analysis Date..: 10/29/05
Prep Batch #...: 5292519 Analysis Time..: 11:33
Dilution Factor: 9.62
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	70	0.48	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I5J190216-004 Work Order #...: HM3PM Matrix.....: WATER
Date Sampled...: 10/18/05 10:50 Date Received..: 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	108	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 12:33

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I5J190216-005 Work Order #...: HM3PR1AA Matrix.....: WATER
Date Sampled...: 10/18/05 11:15 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5306436 Analysis Time..: 17:21
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.89	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	113	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I5J190216-005 **Work Order #...:** HM3PR1AD **Matrix.....:** WATER
Date Sampled...: 10/18/05 11:15 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 17:21
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**20**	**1.0**	**ug/L**
Ethylbenzene	**5.5**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**9.7**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	401 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: IW-5

GC Semivolatiles

Lot-Sample #...: I5J190216-005 Work Order #...: HM3PR1AC Matrix.....: WATER
Date Sampled...: 10/18/05 11:15 Date Received..: 10/19/05 08:10
Prep Date.....: 10/19/05 Analysis Date..: 10/29/05
Prep Batch #...: 5292519 Analysis Time..: 12:13
Dilution Factor: 9.62
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	70	0.48	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 #...: I5J190216-005 **Work Order #...:** HM3PR **Matrix.....:** WATER
Date Sampled...: 10/18/05 11:15 **Date Received..:** 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	110	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 12:47

ConocoPhillips Company

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #...: I5J190216-006 **Work Order #...:** HM3PT1AA **Matrix.....:** WATER
Date Sampled...: 10/18/05 15:15 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5306436 **Analysis Time..:** 17:50
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**0.87**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	116	(75 - 122)

ConocoPhillips Company

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #...: I5J190216-006 Work Order #...: HM3PT1AC Matrix.....: WATER
Date Sampled...: 10/18/05 15:15 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5304387 Analysis Time..: 17:50
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	21	1.0	ug/L
Ethylbenzene	5.5	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	9.7	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	407 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: IW-6

GC Volatiles

Lot-Sample #...: I5J190216-007 Work Order #...: HM3QA1AA Matrix.....: WATER
Date Sampled...: 10/18/05 11:35 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5306436 Analysis Time..: 18:19
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)	113	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-6

GC Volatiles

Lot-Sample #...: I5J190216-007 Work Order #...: HM3QA1AD Matrix.....: WATER
Date Sampled...: 10/18/05 11:35 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5304387 Analysis Time..: 18:19
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	7.1	1.0	ug/L
Ethylbenzene	4.4	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	17	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	377 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: IW-6

GC Semivolatiles

Lot-Sample #...: I5J190216-007	Work Order #...: HM3QA1AC	Matrix.....: WATER	
Date Sampled...: 10/18/05 11:35	Date Received..: 10/19/05 08:10		
Prep Date.....: 10/19/05	Analysis Date..: 10/29/05		
Prep Batch #...: 5292519	Analysis Time..: 12:54		
Dilution Factor: 9.71			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	110	0.49	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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-6

General Chemistry

Lot-Sample #...: I5J190216-007 **Work Order #...:** HM3QA **Matrix.....:** WATER
Date Sampled...: 10/18/05 11:35 **Date Received..:** 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	110	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 13:00

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I5J190216-008	**Work Order #...:** HM3QG2AA	**Matrix.....:** WATER	
Date Sampled...: 10/18/05 13:20	**Date Received..:** 10/19/05 08:10		
Prep Date.....: 10/31/05	**Analysis Date..:** 10/31/05		
Prep Batch #...: 5308303	**Analysis Time..:** 21:11		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**2.3**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	117	(75 - 122)

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I5J190216-008 **Work Order #...:** HM3QG1AD **Matrix.....:** WATER
Date Sampled...: 10/18/05 13:20 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 19:16
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**300 E**	**1.0**	**ug/L**
Ethylbenzene	**340 E**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**7.7**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	112	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	118	(73 - 135)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

Sample consumed. No further analysis possible.

ConocoPhillips Company

Client Sample ID: IW-7

GC Semivolatiles

Lot-Sample #...: I5J190216-008	Work Order #...: HM3QG1AC	Matrix.....: WATER	
Date Sampled...: 10/18/05 13:20	Date Received..: 10/19/05 08:10		
Prep Date.....: 10/19/05	Analysis Date..: 10/29/05		
Prep Batch #...: 5292519	Analysis Time..: 13:34		
Dilution Factor: 19.23			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	360	0.96	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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

General Chemistry

Lot-Sample #...: I5J190216-008 **Work Order #...:** HM3QG **Matrix.....:** WATER
Date Sampled...: 10/18/05 13:20 **Date Received..:** 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	107	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 13:14

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I5J190216-009	**Work Order #...:** HM3QK1AD	**Matrix.....:** WATER	
Date Sampled...: 10/18/05 13:45	**Date Received..:** 10/19/05 08:10		
Prep Date.....: 10/29/05	**Analysis Date..:** 10/29/05		
Prep Batch #...: 5304387	**Analysis Time..:** 19:44		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**300 E**	**1.0**	**ug/L**
Ethylbenzene	**340 E**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
Xylenes (total)	**6.8**	**3.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	115	(73 - 135)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

ConocoPhillips Company

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...: I5J190216-009 Work Order #...: HM3QK1AC Matrix.....: WATER
Date Sampled...: 10/18/05 13:45 Date Received..: 10/19/05 08:10
Prep Date.....: 10/19/05 Analysis Date..: 10/29/05
Prep Batch #...: 5292519 Analysis Time..: 14:15
Dilution Factor: 0.97
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.88	0.048	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	140	(41 - 143)
Dotriacontane	95	(12 - 153)

ConocoPhillips Company

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I5J190216-009 **Work Order #...:** HM3QK **Matrix.....:** WATER
Date Sampled...: 10/18/05 13:45 **Date Received..:** 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	108	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 13:28

ConocoPhillips Company

Client Sample ID: DUP #1

GC Volatiles

Lot-Sample #...: I5J190216-010 Work Order #...: HM3QR1AA Matrix.....: WATER
Date Sampled...: 10/18/05 13:47 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5306436 Analysis Time..: 19:44
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	2.0	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	126 *	(75 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

ConocoPhillips Company

Client Sample ID: DUP #1

GC Volatiles

Lot-Sample #...: I5J190216-010 Work Order #...: HM3QR1AD Matrix.....: WATER
Date Sampled...: 10/18/05 13:47 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/29/05
Prep Batch #...: 5304387 Analysis Time..: 19:44
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	300 E	1.0	ug/L
Ethylbenzene	340 E	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	6.8	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	115	(73 - 135)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

Sample consumed. No further analysis possible.

ConocoPhillips Company

Client Sample ID: DUP #1

GC Semivolatiles

Lot-Sample #...: I5J190216-010 **Work Order #...:** HM3QR1AC **Matrix.....:** WATER
Date Sampled...: 10/18/05 13:47 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/19/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5292519 **Analysis Time..:** 14:55
Dilution Factor: 0.96
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**0.86**	**0.048**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	142	(41 - 143)
Dotriacontane	107	(12 - 153)

ConocoPhillips Company

Client Sample ID: DUP #1

General Chemistry

Lot-Sample #...: I5J190216-010 Work Order #...: HM3QR Matrix.....: WATER
Date Sampled...: 10/18/05 13:47 Date Received..: 10/19/05 08:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	106	50.0	mg/L	MCAWW 300.0A	10/26/05	5299464

Dilution Factor: 50 Analysis Time..: 13:42

ConocoPhillips Company

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #...: I5J190216-011 **Work Order #...:** HM3QX1AA **Matrix.....:** WATER
Date Sampled...: 10/18/05 15:45 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/30/05
Prep Batch #...: 5306436 **Analysis Time..:** 00:09
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)	110	(75 - 122)

ConocoPhillips Company

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #...: I5J190216-011 Work Order #...: HM3QX1AC Matrix.....: WATER
Date Sampled...: 10/18/05 15:45 Date Received..: 10/19/05 08:10
Prep Date.....: 10/29/05 Analysis Date..: 10/30/05
Prep Batch #...: 5304387 Analysis Time..: 00:09
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	93	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5J190216 **Work Order #...:** HN7HV1AA **Matrix.....:** WATER
MB Lot-Sample #: I5K020000-436
Prep Date.....: 10/29/05 **Analysis Time..:** 13:32
Analysis Date..: 10/29/05 **Prep Batch #...:** 5306436
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	113	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5J190216 **Work Order #...:** HPD381AA **Matrix.....:** WATER
MB Lot-Sample #: I5K040000-303

Prep Date.....: 10/31/05 **Analysis Time..:** 16:18
Analysis Date..: 10/31/05 **Prep Batch #...:** 5308303
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 #...: I5J190216 **Work Order #...:** HN12F1AA **Matrix.....:** WATER
MB Lot-Sample #: I5J310000-387

Prep Date.....: 10/29/05 **Analysis Time..:** 13:32
Analysis Date..: 10/29/05 **Prep Batch #...:** 5304387
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	90	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I5J190216 **Work Order #...:** HM4RJ1AA **Matrix.....:** WATER
MB Lot-Sample #: I5J190000-519

Prep Date.....: 10/19/05 **Analysis Time..:** 04:44
Analysis Date..: 10/29/05 **Prep Batch #...:** 5292519
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	117	(41 - 143)
Dotriacontane	131	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5J190216 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HNMRX1AA		MB Lot-Sample #:	I5J260000-464	
	ND	1.0	mg/L	MCAWW 300.0A	10/26/05	5299464
		Dilution Factor: 1				
		Analysis Time..: 08:36				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5J190216 **Work Order #...:** HN7HV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5K020000-436 HN7HV1AD-LCSD
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5306436 **Analysis Time..:** 14:28
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**89**	**(85 - 115)**			**SW846 8015B**
	86	**(85 - 115)**	**3.7**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	112	(81 - 123)
	111	(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 #...: I5J190216 **Work Order #...:** HPD381AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5K040000-303 HPD381AD-LCSD
Prep Date.....: 10/31/05 **Analysis Date..:** 10/31/05
Prep Batch #...: 5308303 **Analysis Time..:** 15:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**87**	**(85 - 115)**			**SW846 8015B**
	102	**(85 - 115)**	**16**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	115	(81 - 123)
	119	(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 #...: I5J190216 **Work Order #...:** HN12F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5J310000-387 HN12F1AD-LCSD
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 11:15
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(85 - 115)**			**SW846 8021B**
	97	**(85 - 115)**	**3.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**103**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**0.92**	**(0-20)**	**SW846 8021B**
Toluene	**98**	**(85 - 115)**			**SW846 8021B**
	100	**(85 - 115)**	**2.3**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**105**	**(85 - 115)**			**SW846 8021B**
	105	**(85 - 115)**	**0.37**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(85 - 111)
	97	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	97	(84 - 114)
	96	(84 - 114)

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 #...: I5J190216 **Work Order #...:** HM4RJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5J190000-519 HM4RJ1AD-LCSD
Prep Date.....: 10/19/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5292519 **Analysis Time..:** 05:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**95**	**(44 - 151)**			**SW846 8015B**
	78	**(44 - 151)**	**19**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	134	(41 - 143)
	114	(41 - 143)
Dotriacontane	134	(12 - 153)
	120	(12 - 153)

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 #...: I5J190216 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HNMRX1AC	LCS Lot-Sample#: I5J260000-464		
	90	(90 - 110)	MCAWW 300.0A	10/26/05	5299464
		Dilution Factor: 1	Analysis Time..: 08:50		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5J190216 **Work Order #...:** HM3K31AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I5J190216-001 HM3K31AG-MSD
Date Sampled...: 10/18/05 08:45 **Date Received..:** 10/19/05 08:10
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5306436 **Analysis Time..:** 23:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**76 a**	**(79 - 124)**			**SW846 8015B**
	75 a	**(79 - 124)**	**1.6**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	115	(75 - 122)
	115	(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 #...: I5J190216 **Work Order #...:** HM96M1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: I5J210197-001 HM96M1AL-MSD
Date Sampled...: 10/19/05 08:05 **Date Received..:** 10/21/05 08:15
Prep Date.....: 10/29/05 **Analysis Date..:** 10/29/05
Prep Batch #...: 5304387 **Analysis Time..:** 22:17
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**0.20**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**100**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**6.0**	**(0-20)**	**SW846 8021B**
Toluene	**97**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**2.7**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**103**	**(85 - 115)**			**SW846 8021B**
	97	**(85 - 115)**	**5.6**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(81 - 119)
	95	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)
	96	(73 - 135)

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 #...: I5J190216 **Matrix.....:** WATER
Date Sampled...: 10/20/05 08:42 **Date Received..:** 10/21/05 08:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HM9861AF-MS/HM9861AG-MSD				MS Lot-Sample #: I5J210197-019	
	NC	(90 - 110)			MCAWW 300.0A	10/26/05	5299464
	NC	(90 - 110)		(0-20)	MCAWW 300.0A	10/26/05	5299464
		Dilution Factor: 50					
		Analysis Time..: 09:18					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirments of NELAC. 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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: ESJ190216

RECEIVED BY: LT

COC NUMBER:

DATE/TIME RECEIVED: 10-19-05/0810

QUOTE/PROFILE: 62511

UNPACKED DATE/TIME: 10-19-05/1045

CLIENT/PROJECT: Maxim Tech

SAMPLES LOGGED IN: LT

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: LT

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO

Packing Material Used: (circle)

None / Absorbent / Paper / Bubble Wrap

Samples Received Match Chain: ☐ YES ☐ NO

Other Equipment Received: ☐ YES ☐ NO

See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

Can Size: ☐ 6L ☐ 15L Other

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

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB (SC) 4.8°C	TB (SC) 5.1°C	TB (SC) 3.6°C	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB 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 **VERIFIED BY:** LT

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

CONDITION OF BOTTLES/CONTAINERS VERIFIED BY: ET

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: 1x40mL ☑ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

SHIPPING DOCUMENTATION:

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

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

7.0 OTHER COMMENTS:

Trip Blank 2 split w/ 1x40mL in one cooler & 1x40mL in another cooler received: 5x1L not 3x1L as on COC for SVE-1

client would be advised to pour ice over samples in ziplock & bubble bags as opposed to bagging ice as well.

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: CMS Date: 11-14-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

ISJ190216

60601

hain of Custody ecord

CHAIN OF CUSTODY NUMBER
$0012720-001

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

4149 (1202)

ent	Project Manager	Date	Page 1 of 1
tin Technologies	Greg Pope	10/11/2005	
dress	Telephone Number (Area Code)/Fax Number	Lab Location	Analysis
03 W Industrial Ave	(432) 686-8081 / (000)	STL Austin	
y / State / Zip Code	Site Contact		
dland / TX / 79701	Greg Pope		
ject Number/Name	Carrier/Waybill Number		
74 Line NM1-1 Remediation	FED EX 8532 4253 5635		
ntract/Purchase Order/Quote Number			
TRACT / PURCHASE ORDER # : 3374MAX009	QUOTE: 62511		

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC80211L	TPHVIL	TPHSIDRO	ICCLIL
SVE-1	10/18/05	0845	WATER	1L	AMBER	3	None	5.1°C/IT/10-19-05			X	
SVE-1			WATER	40mL	VIAL	4	1:1 HCL	See COC Add	X	X		
SVE-1			WATER	250mL	PLASTIC	1	None					X
SVE-1		↓	WATER	1L	AMBER	2	None				X	
EW-2		0930	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-2			WATER	250mL	PLASTIC	1	None					X
EW-2		↓	WATER	1L	AMBER	2	None				X	
EW-3		1015	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-3			WATER	250mL	PLASTIC	1	None					X
EW-3		↓	WATER	1L	AMBER	2	None				X	
EW-4		1050	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-4			WATER	250mL	PLASTIC	1	None					X
EW-4		↓	WATER	1L	AMBER	2	None				X	
EW-5		1115	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-6		↓	WATER	250mL	PLASTIC	1	None					X
TRIP BLANK 1		1545	WATER	40mL	VIAL	2	1:1 HCL		X	X		

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

sible 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)

n Around Time Required
Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
Jason Gonzales	10/18/05	1600	1. Lab	10-19-05	0810
Relinquished By	Date	Time	2. Received By	Date	Time
Relinquished By	Date	Time	3. Received By	Date	Time

mments

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

66/67

hain of Custody ecord

CHAIN OF CUSTODY NUMBER
$0012726-002

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

60602

A149 (1202)

ent	Project Manager	Date	Page 2 of 3
cin Technologies	Greg Pope	10/11/2005	
dress	Telephone Number (Area Code)/Fax Number	Lab Location	
13 W Industrial Ave	(432) 686-8081 / (000)	STL Austin	
y / State / Zip Code	Site Contact		Analysis
Iland / TX / 79701	Greg Pope		
ject Number/Name	Carrier/Waybill Number		
[4 Line NW1-1 Remediation	FED EX 8532 4253 5624		
ntract/Purchase Order/Quote Number			
TRACT / PURCHASE ORDER # : 3374MAY009		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 VIL	TPH SID RO	ICCL IL
MW-5	10/18/05	1115	WATER	1L	AMBER	2	None	5.1°C/ET/10-19-05			X	
MW-6		1135	WATER	40mL	VIAL	4	1:1 HCL	See COC Add	X	X		
MW-6		↓	WATER	250mL	PLASTIC	1	None					X
MW-6		↓	WATER	1L	AMBER	2	None				X	
MW-7		1320	WATER	40mL	VIAL	4	1:1 HCL		X	X		
MW-7		↓	WATER	250mL	PLASTIC	1	None					X
MW-7		↓	WATER	1L	AMBER	2	None				X	
[redacted] MW-13		1345	WATER	40mL	VIAL	4	1:1 HCL		X	X		
[redacted] MW-13		↓	WATER	250mL	PLASTIC	1	None					X
[redacted] MW-13		↓	WATER	1L	AMBER	2	None				X	
Dup #1		1347	WATER	40mL	VIAL	4	1:1 HCL		X	X		
Dup #1		↓	WATER	250mL	PLASTIC	1	None					X
Dup #1		↓	WATER	1L	AMBER	2	None				X	
			WATER	40mL	VIAL	4	1:1 HCL		X	X		
			WATER	250mL	PLASTIC	1	None					X
RIP BLANK 2	10/18/05	1545	WATER	40ml	VIAL	2	1:1 HCl	↓	X	X		

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

sible 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)

n Around Time Required: Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

elinquished By	Date	Time	1. Received By	Date	Time
Jason Graham	10/18/05	1600		10-19-05	0810
elinquished By	Date	Time	2. Received By	Date	Time
elinquished By	Date	Time	3. Received By	Date	Time

nments

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

67/67

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ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 4Q'05

3374 Line NM1-1 Remediation

Lot #: I5L010109

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

December 8, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5L010109**

This report contains the analytical results for the four samples received under chain of custody by Severn Trent Laboratories (STL) on December 1, 2005. These samples are associated with your 3374 Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5L010109

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-7 11/29/05 09:40 001				
Benzene	8.5	1.0	ug/L	SW846 8021B
Ethylbenzene	6.7	1.0	ug/L	SW846 8021B
Toluene	3.7	1.0	ug/L	SW846 8021B
Xylenes (total)	35	3.0	ug/L	SW846 8021B
MW-13 11/29/05 10:30 002				
Benzene	360	10	ug/L	SW846 8021B
Ethylbenzene	430	10	ug/L	SW846 8021B
DUPLICATE 11/29/05 10:40 003				
Benzene	400	10	ug/L	SW846 8021B
Ethylbenzene	440	10	ug/L	SW846 8021B

PREPARATION METHODS SUMMARY

I5L010109

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Purge and trap	SW846 5030B	SW846 8021B

References:

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

METHOD / ANALYST SUMMARY

I5L010109

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 8021B	Thao Tran	000069

References:

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

SAMPLE SUMMARY

I5L010109

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HQ61Q	001	IW-7	11/29/05	09:40
HQ61R	002	MW-13	11/29/05	10:30
HQ61T	003	DUPLICATE	11/29/05	10:40
HQ61V	004	TRIP BLANK	11/29/05	11:00

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

I5L010109

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8021B		5341402	5341243
002	WATER	SW846 8021B		5341402	5341243
003	WATER	SW846 8021B		5341402	5341243
004	WATER	SW846 8021B		5341402	5341243

ConocoPhillips Company

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I5L010109-001 **Work Order #...:** HQ61Q1AA **Matrix.....:** WATER
Date Sampled...: 11/29/05 09:40 **Date Received..:** 12/01/05 08:15
Prep Date.....: 12/05/05 **Analysis Date..:** 12/05/05
Prep Batch #...: 5341402 **Analysis Time..:** 17:51
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	8.5	1.0	ug/L
Ethylbenzene	6.7	1.0	ug/L
Toluene	3.7	1.0	ug/L
Xylenes (total)	35	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	461 *	(59 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogate outside acceptance criteria due to coelution.

ConocoPhillips Company

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I5L010109-002 **Work Order #...:** HQ61R1AA **Matrix.....:** WATER
Date Sampled...: 11/29/05 10:30 **Date Received..:** 12/01/05 08:15
Prep Date.....: 12/05/05 **Analysis Date..:** 12/05/05
Prep Batch #...: 5341402 **Analysis Time..:** 15:25
Dilution Factor: 10
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**360**	**10**	**ug/L**
Ethylbenzene	**430**	**10**	**ug/L**
Toluene	ND	10	ug/L
Xylenes (total)	ND	30	ug/L

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

ConocoPhillips Company

Client Sample ID: DUPLICATE

GC Volatiles

Lot-Sample #...: I5L010109-003 **Work Order #...:** HQ61T1AA **Matrix.....:** WATER
Date Sampled...: 11/29/05 10:40 **Date Received..:** 12/01/05 08:15
Prep Date.....: 12/05/05 **Analysis Date..:** 12/05/05
Prep Batch #...: 5341402 **Analysis Time..:** 15:53
Dilution Factor: 10
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**400**	**10**	**ug/L**
Ethylbenzene	**440**	**10**	**ug/L**
Toluene	ND	10	ug/L
Xylenes (total)	ND	30	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(59 - 157)

ConocoPhillips Company

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5L010109-004 **Work Order #...:** HQ61V1AA **Matrix.....:** WATER
Date Sampled...: 11/29/05 11:00 **Date Received..:** 12/01/05 08:15
Prep Date.....: 12/05/05 **Analysis Date..:** 12/05/05
Prep Batch #...: 5341402 **Analysis Time..:** 17:22
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	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(59 - 157)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5L010109 **Work Order #...:** HRLJ31AA **Matrix.....:** WATER
MB Lot-Sample #: I5L070000-402
Prep Date.....: 12/05/05 **Analysis Time..:** 23:26
Analysis Date..: 12/05/05 **Prep Batch #...:** 5341402
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(59 - 157)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5L010109 **Work Order #...:** HRLJ31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5L070000-402 HRLJ31AD-LCSD
Prep Date.....: 12/05/05 **Analysis Date..:** 12/05/05
Prep Batch #...: 5341402 **Analysis Time..:** 10:34
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(78 - 114)**			**SW846 8021B**
	97	**(78 - 114)**	**0.25**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**107**	**(87 - 114)**			**SW846 8021B**
	107	**(87 - 114)**	**0.31**	**(0-20)**	**SW846 8021B**
Toluene	**105**	**(87 - 115)**			**SW846 8021B**
	105	**(87 - 115)**	**0.0**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**106**	**(86 - 119)**			**SW846 8021B**
	106	**(86 - 119)**	**0.29**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(85 - 111)
	102	(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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5L010109 **Work Order #...:** HQL1F1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: I5K190164-003 HQL1F1AP-MSD
Date Sampled...: 11/18/05 10:40 **Date Received..:** 11/19/05 08:45
Prep Date.....: 12/05/05 **Analysis Date..:** 12/06/05
Prep Batch #...: 5341402 **Analysis Time..:** 10:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(78 - 114)**			**SW846 8021B**
	98	**(78 - 114)**	**2.9**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**104**	**(87 - 117)**			**SW846 8021B**
	106	**(87 - 117)**	**1.6**	**(0-20)**	**SW846 8021B**
Toluene	**104**	**(87 - 115)**			**SW846 8021B**
	106	**(87 - 115)**	**2.6**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**104**	**(86 - 119)**			**SW846 8021B**
	106	**(86 - 119)**	**1.9**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(81 - 119)
	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(59 - 157)
	99	(59 - 157)

NOTE(S):

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

Bold print denotes control parameters

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirments of NELAC. 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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN–OF–CUSTODY ADDENDUM

Lot No: F5L010109

RECEIVED BY:

COC NUMBER:

DATE/TIME RECEIVED: 12-1-05 0815

QUOTE/PROFILE: 62511

UNPACKED DATE/TIME: 12-1-05 850

Rush 1 wk TAT

CLIENT/PROJECT: Mayin

SAMPLES LOGGED IN: CC

LOG-IN REVIEWED: CMB

Number of Shipping Containers Received with Chain of Custody: 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: CC

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☐ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: CL **IR THERMOMETER #:** 84

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4.0°C ± 2.0°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 3.3°C	SC	SC	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 **VERIFIED BY:** CC

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

4.0 CONDITION OF BOTTLES/CONTAINERS VERIFIED BY: CC

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: N/A ☑ 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: _____ Date: 12-1-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

023400

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
MAXIM TECHNOLOGIES	GREG POPE	11/29/05	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
1703 W. INDUSTRIAL	(432)686-8081	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 / 8550 4151 2040		
Contract/Purchase Order/Quote Number			
3374MAX009			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	8021B - BTEX
MW-7	11/29/05	940	AQ	40mL	VOA	4	HCl	3.3° - 12-1-05 CL	X
MW-13	↓	1030	↓	↓	↓	4	↓		X
DUPLICATE	↓	1040	↓	↓	↓	4	↓		X
TRIP BLANK	11/29/05	1100	AQ	40mL	VOA	1	HCl		X

Special Instructions

RESAMPING FOR BTEX ANALYSIS ONLY, ORIGINAL SAMPLES LOT # 15J190216 OVER CALIB.

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 1 WEEK

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	11/30/05	1100	1. Received By	12-1-05	0815
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

18/18

SEVERN TRENT STL

STL Austin • 14046 Summit Drive, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

Certificate of Analysis

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 3Q'05

3374 Line NM1-1 Remediation

Lot #: I5G210131

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

August 8, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5G210131**

This report contains the analytical results for the 12 samples received under chain of custody by Severn Trent Laboratories (STL) on July 21, 2005. These samples are associated with your 3374 Line NM1-1 Remediation project.

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

There was insufficient sample volume to prepare a Matrix Spike/Matrix Spike Duplicate for 8021 batch 5210160 and GRO batches 5213221 and 5215390. A duplicate Laboratory Control Sample was prepared to provide accuracy and precision measurements.

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5G210131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-2 07/19/05 09:00 001				
Diesel Range Organics	0.16	0.048	mg/L	SW846 8015B
Chloride	125	20.0	mg/L	MCAWW 300.0A
IW-5 07/19/05 09:25 002				
Diesel Range Organics	0.22	0.048	mg/L	SW846 8015B
Benzene	1.9	1.0	ug/L	SW846 8021B
Chloride	124	20.0	mg/L	MCAWW 300.0A
IW-7 07/19/05 09:45 003				
Diesel Range Organics	0.30	0.048	mg/L	SW846 8015B
Chloride	125	20.0	mg/L	MCAWW 300.0A
IW-3 07/19/05 10:12 004				
Diesel Range Organics	1.1	0.048	mg/L	SW846 8015B
Chloride	124	20.0	mg/L	MCAWW 300.0A
IW-4 07/19/05 10:30 005				
Diesel Range Organics	1.1	0.048	mg/L	SW846 8015B
Chloride	125	20.0	mg/L	MCAWW 300.0A
IW-6 07/19/05 10:45 007				
Diesel Range Organics	3.4	0.048	mg/L	SW846 8015B
Chloride	123	20.0	mg/L	MCAWW 300.0A
SVE-1 07/19/05 11:11 008				
Diesel Range Organics	0.32	0.048	mg/L	SW846 8015B
Chloride	102	20.0	mg/L	MCAWW 300.0A
MW-13 07/19/05 11:37 009				
Diesel Range Organics	0.69	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.2	1.0	mg/L	SW846 8015B
Benzene	1200	10	ug/L	SW846 8021B
Ethylbenzene	540	10	ug/L	SW846 8021B
Chloride	116	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I5G210131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DUPLICATE 07/19/05 11:39 010				
Diesel Range Organics	0.71	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.9	2.5	mg/L	SW846 8015B
Benzene	1200	50	ug/L	SW846 8021B
Ethylbenzene	620	50	ug/L	SW846 8021B
Chloride	115	20.0	mg/L	MCAWW 300.0A
EW-2 07/20/05 13:50 011				
Diesel Range Organics	2.6	0.048	mg/L	SW846 8015B
Gasoline Range Organics	21	5.0	mg/L	SW846 8015B
Benzene	4500	100	ug/L	SW846 8021B
Ethylbenzene	460	100	ug/L	SW846 8021B
Toluene	1500	100	ug/L	SW846 8021B
Xylenes (total)	640	300	ug/L	SW846 8021B
Chloride	110	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5G210131

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

I5G210131

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Kai Allen	402013
SW846 8015B	Scott Leslie	401008
SW846 8021B	Kai Allen	402013

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

I5G210131

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HFX57	001	IW-2	07/19/05	09:00
HFX6F	002	IW-5	07/19/05	09:25
HFX6G	003	IW-7	07/19/05	09:45
HFX6H	004	IW-3	07/19/05	10:12
HFX6J	005	IW-4	07/19/05	10:30
HFX6K	006	TRIP BLANK 1	07/20/05	14:15
HFX6M	007	IW-6	07/19/05	10:45
HFX6P	008	SVE-1	07/19/05	11:11
HFX6Q	009	MW-13	07/19/05	11:37
HFX6R	010	DUPLICATE	07/19/05	11:39
HFX6X	011	EW-2	07/20/05	13:50
HFX61	012	TRIP BLANK #2	07/20/05	14:15

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

I5G210131

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
002	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
003	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
004	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
005	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
006	WATER	SW846 8021B		5210160	
007	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
008	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295
009	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5210361	5210244
	WATER	SW846 8021B		5210436	5210295

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I5G210131

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5215390	
	WATER	SW846 8021B		5216388	5217089
011	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8015B		5202427	5202253
	WATER	SW846 8015B		5213221	
	WATER	SW846 8021B		5214333	5214246
012	WATER	SW846 8021B		5210160	

CLIENT DATA SUMMARY

ConocoPhillips Co.
Lot #: I5G210131 — 3374 Line NM1-1 Remediation — **Date Reported:** 8/08/05
Project: HOBBS, NM 3Q'05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: IW-2						
Sample #: 001 Date Sampled: 07/19/05 09:00 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**0.16**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/25/05**	**5202427**
o-Terphenyl	91		%	SW846 8015B	07/21-07/25/05	5202427
Dotriacontane	103		%	SW846 8015B	07/21-07/25/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28-07/29/05	5210361
4-Bromofluorobenzene (	103		%	SW846 8015B	07/28-07/29/05	5210361
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Bromofluorobenzene	100		%	SW846 8021B	07/28-07/29/05	5210436
a,a,a-Trifluorotoluene (TFT)	94		%	SW846 8021B	07/28-07/29/05	5210436
CHLORIDE						
Chloride	**125**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: IW-5						
Sample #: 002 Date Sampled: 07/19/05 09:25 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**0.22**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/25/05**	**5202427**
o-Terphenyl	96		%	SW846 8015B	07/21-07/25/05	5202427
Dotriacontane	100		%	SW846 8015B	07/21-07/25/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28-07/29/05	5210361
4-Bromofluorobenzene (	104		%	SW846 8015B	07/28-07/29/05	5210361
VOLATILES BY GC						
Benzene	**1.9**	**1.0**	**ug/L**	**SW846 8021B**	**07/28-07/29/05**	**5210436**
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436

(Continued on next page)

CLIENT DATA SUMMARY

ConocoPhillips Co.
3374 Line NM1-1 Remediation
Project: HOBBS, NM 3Q'05

Lot #: I5G210131 **Date Reported:** 8/08/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: IW-5						
Sample #: 002 Date Sampled: 07/19/05 09:25 Date Received: 07/21/05 Matrix: WATER						
VOLATILES BY GC						
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Bromofluorobenzene	102		%	SW846 8021B	07/28-07/29/05	5210436
a,a,a-Trifluorotoluene (TFT)	102		%	SW846 8021B	07/28-07/29/05	5210436
CHLORIDE						
Chloride	**124**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: IW-7						
Sample #: 003 Date Sampled: 07/19/05 09:45 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**0.30**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/25/05**	**5202427**
o-Terphenyl	98		%	SW846 8015B	07/21-07/25/05	5202427
Dotriacontane	101		%	SW846 8015B	07/21-07/25/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28-07/29/05	5210361
4-Bromofluorobenzene (	103		%	SW846 8015B	07/28-07/29/05	5210361
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Bromofluorobenzene	99		%	SW846 8021B	07/28-07/29/05	5210436
a,a,a-Trifluorotoluene (TFT)	97		%	SW846 8021B	07/28-07/29/05	5210436
CHLORIDE						
Chloride	**125**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**

(Continued on next page)

CLIENT DATA SUMMARY

ConocoPhillips Co.
Lot #: I5G210131 — 3374 Line NM1-1 Remediation — **Date Reported:** 8/08/05
Project: HOBBS, NM 3Q'05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: IW-3						
Sample #: 004 Date Sampled: 07/19/05 10:12 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**1.1**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/25/05**	**5202427**
o-Terphenyl	117		%	SW846 8015B	07/21-07/25/05	5202427
Dotriacontane	134		%	SW846 8015B	07/21-07/25/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28/05	5210361
4-Bromofluorobenzene (	105		%	SW846 8015B	07/28/05	5210361
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28/05	5210436
Bromofluorobenzene	100		%	SW846 8021B	07/28/05	5210436
a,a,a-Trifluorotoluene (TFT)	94		%	SW846 8021B	07/28/05	5210436
CHLORIDE						
Chloride	**124**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: IW-4						
Sample #: 005 Date Sampled: 07/19/05 10:30 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**1.1**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/25/05**	**5202427**
o-Terphenyl	113		%	SW846 8015B	07/21-07/25/05	5202427
Dotriacontane	124		%	SW846 8015B	07/21-07/25/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28/05	5210361
4-Bromofluorobenzene (	106		%	SW846 8015B	07/28/05	5210361
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28/05	5210436

(Continued on next page)

CLIENT DATA SUMMARY

ConocoPhillips Co.
Lot #: I5G210131 — 3374 Line NM1-1 Remediation — **Date Reported:** 8/08/05
Project: HOBBS, NM 3Q'05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: IW-4						
Sample #: 005 Date Sampled: 07/19/05 10:30 Date Received: 07/21/05 Matrix: WATER						
VOLATILES BY GC						
Bromofluorobenzene	101		%	SW846 8021B	07/28/05	5210436
a,a,a-Trifluorotoluene (TFT)	97		%	SW846 8021B	07/28/05	5210436
CHLORIDE						
Chloride	**125**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: TRIP BLANK 1						
Sample #: 006 Date Sampled: 07/20/05 14:15 Date Received: 07/21/05 Matrix: WATER						
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210160
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210160
Toluene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210160
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28/05	5210160
Bromofluorobenzene	102		%	SW846 8021B	07/28/05	5210160
a,a,a-Trifluorotoluene (TFT)	110		%	SW846 8021B	07/28/05	5210160
Client Sample ID: IW-6						
Sample #: 007 Date Sampled: 07/19/05 10:45 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**3.4**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/26/05**	**5202427**
o-Terphenyl	NC,I		%	SW846 8015B	07/21-07/26/05	5202427
Dotriacontane	NC,I		%	SW846 8015B	07/21-07/26/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28-07/29/05	5210361
4-Bromofluorobenzene (	104		%	SW846 8015B	07/28-07/29/05	5210361

NC The recovery and/or RPD were not calculated.
1 Matrix interference.

(Continued on next page)

CLIENT DATA SUMMARY

ConocoPhillips Co.
Lot #: I5G210131 — 3374 Line NM1-1 Remediation — **Date Reported:** 8/08/05
Project: HOBBS, NM 3Q'05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: IW-6						
Sample #: 007 Date Sampled: 07/19/05 10:45 Date Received: 07/21/05 Matrix: WATER						
Volatiles by GC						
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28-07/29/05	5210436
Bromofluorobenzene	100		%	SW846 8021B	07/28-07/29/05	5210436
a,a,a-Trifluorotoluene (TFT)	96		%	SW846 8021B	07/28-07/29/05	5210436
CHLORIDE						
Chloride	**123**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: SVE-1						
Sample #: 008 Date Sampled: 07/19/05 11:11 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**0.32**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/26/05**	**5202427**
o-Terphenyl	91		%	SW846 8015B	07/21-07/26/05	5202427
Dotriacontane	94		%	SW846 8015B	07/21-07/26/05	5202427
Gasoline Range Organic	ND	0.10	mg/L	SW846 8015B	07/28/05	5210361
4-Bromofluorobenzene (	109		%	SW846 8015B	07/28/05	5210361
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Toluene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210436
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28/05	5210436
Bromofluorobenzene	103		%	SW846 8021B	07/28/05	5210436
a,a,a-Trifluorotoluene (TFT)	98		%	SW846 8021B	07/28/05	5210436
CHLORIDE						
Chloride	**102**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**

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CLIENT DATA SUMMARY

ConocoPhillips Co.
3374 Line NM1-1 Remediation
Project: HOBBS, NM 3Q'05

Lot #: I5G210131 Date Reported: 8/08/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: MW-13						
Sample #: 009 Date Sampled: 07/19/05 11:37 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**0.69**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/26/05**	**5202427**
o-Terphenyl	103		%	SW846 8015B	07/21-07/26/05	5202427
Dotriacontane	89		%	SW846 8015B	07/21-07/26/05	5202427
Gasoline Range Organic	**4.2**	**1.0**	**mg/L**	**SW846 8015B**	**07/28/05**	**5210361**
4-Bromofluorobenzene (	107		%	SW846 8015B	07/28/05	5210361
VOLATILES BY GC						
Benzene	**1200**	**10**	**ug/L**	**SW846 8021B**	**07/28/05**	**5210436**
Ethylbenzene	**540**	**10**	**ug/L**	**SW846 8021B**	**07/28/05**	**5210436**
Toluene	ND	10	ug/L	SW846 8021B	07/28/05	5210436
Xylenes (total)	ND	30	ug/L	SW846 8021B	07/28/05	5210436
Bromofluorobenzene	105		%	SW846 8021B	07/28/05	5210436
a,a,a-Trifluorotoluene (TFT)	109		%	SW846 8021B	07/28/05	5210436
CHLORIDE						
Chloride	**116**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: DUPLICATE						
Sample #: 010 Date Sampled: 07/19/05 11:39 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**0.71**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/26/05**	**5202427**
o-Terphenyl	108		%	SW846 8015B	07/21-07/26/05	5202427
Dotriacontane	91		%	SW846 8015B	07/21-07/26/05	5202427
Gasoline Range Organic	**4.9**	**2.5**	**mg/L**	**SW846 8015B**	**08/02/05**	**5215390**
4-Bromofluorobenzene (	104		%	SW846 8015B	08/02/05	5215390
VOLATILES BY GC						
Benzene	**1200**	**50**	**ug/L**	**SW846 8021B**	**08/01/05**	**5214333**
Ethylbenzene	**620**	**50**	**ug/L**	**SW846 8021B**	**08/01/05**	**5214333**
Toluene	ND	50	ug/L	SW846 8021B	08/01/05	5214333
Xylenes (total)	ND	150	ug/L	SW846 8021B	08/01/05	5214333

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CLIENT DATA SUMMARY

ConocoPhillips Co.
3374 Line NM1-1 Remediation
Project: HOBBS, NM 3Q'05

Lot #: I5G210131 Date Reported: 8/08/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: DUPLICATE						
Sample #: 010 Date Sampled: 07/19/05 11:39 Date Received: 07/21/05 Matrix: WATER						
VOLATILES BY GC						
Bromofluorobenzene	101		%	SW846 8021B	08/01/05	5214333
a,a,a-Trifluorotoluene (TFT)	104		%	SW846 8021B	08/01/05	5214333
CHLORIDE						
Chloride	**115**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**
Client Sample ID: EW-2						
Sample #: 011 Date Sampled: 07/20/05 13:50 Date Received: 07/21/05 Matrix: WATER						
EXTRACTABLE PETROLEUM HYDROCARBONS						
Diesel Range Organics	**2.6**	**0.048**	**mg/L**	**SW846 8015B**	**07/21-07/26/05**	**5202427**
o-Terphenyl	NC,I		%	SW846 8015B	07/21-07/26/05	5202427
Dotriacontane	100		%	SW846 8015B	07/21-07/26/05	5202427
Gasoline Range Organic	**21**	**5.0**	**mg/L**	**SW846 8015B**	**07/29/05**	**5213221**
4-Bromofluorobenzene (	106		%	SW846 8015B	07/29/05	5213221

NC The recovery and/or RPD were not calculated.
I Matrix interference.

VOLATILES BY GC						
Benzene	**4500**	**100**	**ug/L**	**SW846 8021B**	**08/01/05**	**5214333**
Ethylbenzene	**460**	**100**	**ug/L**	**SW846 8021B**	**08/01/05**	**5214333**
Toluene	**1500**	**100**	**ug/L**	**SW846 8021B**	**08/01/05**	**5214333**
Xylenes (total)	**640**	**300**	**ug/L**	**SW846 8021B**	**08/01/05**	**5214333**
Bromofluorobenzene	100		%	SW846 8021B	08/01/05	5214333
a,a,a-Trifluorotoluene (TFT)	112		%	SW846 8021B	08/01/05	5214333
CHLORIDE						
Chloride	**110**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/27/05**	**5208386**

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CLIENT DATA SUMMARY

ConocoPhillips Co.
3374 Line NM1-1 Remediation
Project: HOBBS, NM 3Q'05

Lot #: I5G210131 **Date Reported:** 8/08/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Client Sample ID: TRIP BLANK #2						
Sample #: 012 Date Sampled: 07/20/05 14:15 Date Received: 07/21/05 Matrix: WATER						
VOLATILES BY GC						
Benzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210160
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210160
Toluene	ND	1.0	ug/L	SW846 8021B	07/28/05	5210160
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	07/28/05	5210160
Bromofluorobenzene	94		%	SW846 8021B	07/28/05	5210160
a,a,a-Trifluorotoluene (TFT)	102		%	SW846 8021B	07/28/05	5210160

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HGKV51AA **Matrix.....:** WATER
MB Lot-Sample #: I5G290000-361

Prep Date.....: 07/28/05 **Analysis Time..:** 16:47
Analysis Date..: 07/28/05 **Prep Batch #...:** 5210361
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 #...: I5G210131 **Work Order #...:** HGNJR1AA **Matrix.....:** WATER
MB Lot-Sample #: I5H010000-221

Prep Date.....: 07/29/05 **Analysis Time..:** 15:44
Analysis Date..: 07/29/05 **Prep Batch #...:** 5213221
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	102	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HGVHF1AA **Matrix.....:** WATER
MB Lot-Sample #: I5H030000-390

Prep Date.....: 08/02/05 **Analysis Time..:** 14:21
Analysis Date..: 08/02/05 **Prep Batch #...:** 5215390
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	102	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HGJET1AA **Matrix.....:** WATER
MB Lot-Sample #: I5G290000-160

Prep Date.....: 07/28/05 **Analysis Time..:** 12:11
Analysis Date..: 07/28/05 **Prep Batch #...:** 5210160
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	93	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HGLD31AA **Matrix.....:** WATER
MB Lot-Sample #: I5G290000-436

Prep Date.....: 07/28/05 **Analysis Time..:** 16:47
Analysis Date..: 07/28/05 **Prep Batch #...:** 5210436
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	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HGQNT1AA **Matrix.....:** WATER
MB Lot-Sample #: I5H020000-333

Prep Date.....: 08/01/05 **Analysis Time..:** 13:03
Analysis Date..: 08/01/05 **Prep Batch #...:** 5214333
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HGX5R1AA **Matrix.....:** WATER
MB Lot-Sample #: I5H040000-388

Prep Date.....: 08/03/05 **Analysis Time..:** 14:01
Analysis Date..: 08/03/05 **Prep Batch #...:** 5216388
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	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I5G210131 **Work Order #...:** HF1QN1AA **Matrix.....:** WATER
MB Lot-Sample #: I5G210000-427

Prep Date.....: 07/21/05 **Analysis Time..:** 17:09
Analysis Date..: 07/25/05 **Prep Batch #...:** 5202427
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	84	(41 - 143)
Dotriacontane	89	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5G210131 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HGDL51AA		MB Lot-Sample #:	I5G270000-386	
	ND	1.0	mg/L	MCAWW 300.0A	07/27/05	5208386
		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 #...: I5G210131 **Work Order #...:** HGKV51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5G290000-361 HGKV51AD-LCSD
Prep Date.....: 07/28/05 **Analysis Date..:** 07/28/05
Prep Batch #...: 5210361 **Analysis Time..:** 14:32
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**98**	**(85 - 115)**			**SW846 8015B**
	89	**(85 - 115)**	**10**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	106	(81 - 123)
	107	(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 #...: I5G210131 **Work Order #...:** HGNJR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5H010000-221 HGNJR1AD-LCSD
Prep Date.....: 07/29/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5213221 **Analysis Time..:** 13:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**96**	**(85 - 115)**			**SW846 8015B**
	89	**(85 - 115)**	**7.8**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	106	(81 - 123)
	108	(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 #...: I5G210131 **Work Order #...:** HGVHF1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5H030000-390 HGVHF1AD-LCSD
Prep Date.....: 08/02/05 **Analysis Date..:** 08/02/05
Prep Batch #...: 5215390 **Analysis Time..:** 12:41
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**91**	**(85 - 115)**			**SW846 8015B**
	88	**(85 - 115)**	**3.5**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	107	(81 - 123)
	108	(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 #...: I5G210131 **Work Order #...:** HGJET1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5G290000-160 HGJET1AD-LCSD
Prep Date.....: 07/28/05 **Analysis Date..:** 07/28/05
Prep Batch #...: 5210160 **Analysis Time..:** 11:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**88**	**(85 - 115)**			**SW846 8021B**
	87	**(85 - 115)**	**0.91**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**104**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**1.8**	**(0-20)**	**SW846 8021B**
Toluene	**99**	**(85 - 115)**			**SW846 8021B**
	97	**(85 - 115)**	**2.0**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**102**	**(85 - 115)**			**SW846 8021B**
	100	**(85 - 115)**	**1.8**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	102	(84 - 114)
	104	(84 - 114)

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 #...: I5G210131 **Work Order #...:** HGLD31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5G290000-436 HGLD31AD-LCSD
Prep Date.....: 07/28/05 **Analysis Date..:** 07/28/05
Prep Batch #...: 5210436 **Analysis Time..:** 12:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(85 - 115)**			**SW846 8021B**
	91	**(85 - 115)**	**0.25**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**92**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**1.0**	**(0-20)**	**SW846 8021B**
Toluene	**94**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**0.73**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**92**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**1.1**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	102	(84 - 114)
	102	(84 - 114)

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 #...: I5G210131 **Work Order #...:** HGQNT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5H020000-333 HGQNT1AD-LCSD
Prep Date.....: 08/01/05 **Analysis Date..:** 08/01/05
Prep Batch #...: 5214333 **Analysis Time..:** 12:07
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**86**	**(85 - 115)**			**SW846 8021B**
	92	**(85 - 115)**	**7.8**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**89**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**4.7**	**(0-20)**	**SW846 8021B**
Toluene	**90**	**(85 - 115)**			**SW846 8021B**
	97	**(85 - 115)**	**6.7**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**89**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**5.0**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(85 - 111)
	101	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	103	(84 - 114)
	103	(84 - 114)

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 #...: I5G210131 **Work Order #...:** HGX5R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5H040000-388 HGX5R1AD-LCSD
Prep Date.....: 08/03/05 **Analysis Date..:** 08/03/05
Prep Batch #...: 5216388 **Analysis Time..:** 13:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**0.010**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**102**	**(85 - 115)**			**SW846 8021B**
	96	**(85 - 115)**	**5.7**	**(0-20)**	**SW846 8021B**
Toluene	**101**	**(85 - 115)**			**SW846 8021B**
	98	**(85 - 115)**	**3.2**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**104**	**(85 - 115)**			**SW846 8021B**
	98	**(85 - 115)**	**5.9**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(85 - 111)
	104	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	97	(84 - 114)
	101	(84 - 114)

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 #...: I5G210131 **Work Order #...:** HF1QN1AC **Matrix.....:** WATER
LCS Lot-Sample#: I5G210000-427
Prep Date.....: 07/21/05 **Analysis Date..:** 07/25/05
Prep Batch #...: 5202427 **Analysis Time..:** 17:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**81**	**(44 - 151)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	108	(41 - 143)
Dotriacontane	91	(12 - 153)

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 #...: I5G210131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HGDL51AC	LCS Lot-Sample#: I5G270000-386		
	95	(90 - 110)	MCAWW 300.0A	07/27/05	5208386
		Dilution Factor: 1	Analysis Time..: 08:31		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HFX6H1AH-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G210131-004 HFX6H1AJ-MSD
Date Sampled...: 07/19/05 10:12 **Date Received..:** 07/21/05 08:00
Prep Date.....: 07/28/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5210361 **Analysis Time..:** 08:32
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**98**	**(79 - 124)**			**SW846 8015B**
	90	**(79 - 124)**	**8.6**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	108	(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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5G210131 **Work Order #...:** HFX6J1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G210131-005 HFX6J1AG-MSD
Date Sampled...: 07/19/05 10:30 **Date Received..:** 07/21/05 08:00
Prep Date.....: 07/28/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5210436 **Analysis Time..:** 09:29
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(85 - 115)**			**SW846 8021B**
	91	**(85 - 115)**	**0.50**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**94**	**(85 - 115)**			**SW846 8021B**
	91	**(85 - 115)**	**2.4**	**(0-20)**	**SW846 8021B**
Toluene	**95**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**2.3**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**96**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**2.9**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
	106	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(73 - 135)
	102	(73 - 135)

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 #...: I5G210131 **Work Order #...:** HF2801AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G220138-007 HF2801AG-MSD
Date Sampled...: 07/20/05 08:45 **Date Received..:** 07/22/05 08:00
Prep Date.....: 08/01/05 **Analysis Date..:** 08/02/05
Prep Batch #...: 5214333 **Analysis Time..:** 10:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**55 a**	**(85 - 115)**			**SW846 8021B**
	27 a	**(85 - 115)**	**9.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**72 a**	**(85 - 115)**			**SW846 8021B**
	57 a	**(85 - 115)**	**9.5**	**(0-20)**	**SW846 8021B**
Toluene	**98**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**3.9**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**92**	**(85 - 115)**			**SW846 8021B**
	89	**(85 - 115)**	**3.6**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	133	(73 - 135)
	133	(73 - 135)

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 #...: I5G210131 **Work Order #...:** HGFMA1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G280143-002 HGFMA1AG-MSD
Date Sampled...: 07/25/05 14:00 **Date Received..:** 07/28/05 08:15
Prep Date.....: 08/03/05 **Analysis Date..:** 08/03/05
Prep Batch #...: 5216388 **Analysis Time..:** 19:26
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(85 - 115)**			**SW846 8021B**
	90	**(85 - 115)**	**1.8**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**91**	**(85 - 115)**			**SW846 8021B**
	92	**(85 - 115)**	**0.86**	**(0-20)**	**SW846 8021B**
Toluene	**92**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**1.4**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**92**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**0.79**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(81 - 119)
	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)
	102	(73 - 135)

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 #...: I5G210131 **Work Order #...:** HFX571AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G210131-001 HFX571AG-MSD
Date Sampled...: 07/19/05 09:00 **Date Received..:** 07/21/05 08:00
Prep Date.....: 07/21/05 **Analysis Date..:** 07/25/05
Prep Batch #...: 5202427 **Analysis Time..:** 19:13
Dilution Factor: 0.96

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**93**	**(44 - 151)**			**SW846 8015B**
	73 p	**(44 - 151)**	**21**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	137	(41 - 143)
	108	(41 - 143)
Dotriacontane	109	(12 - 153)
	97	(12 - 153)

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 #...: I5G210131 **Matrix.....:** WATER
Date Sampled...: 07/19/05 09:00 **Date Received..:** 07/21/05 08:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HFX571AH-MS/HFX571AJ-MSD				MS Lot-Sample #: I5G210131-001	
	98	(90 - 110)			MCAWW 300.0A	07/27/05	5208386
	101	(90 - 110)	1.2	(0-20)	MCAWW 300.0A	07/27/05	5208386
		Dilution Factor: 1					
		Analysis Time..: 09:09					

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 requirments of NELAC. 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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I56210131

RECEIVED BY: BJ

COC NUMBER: ✓

DATE/TIME RECEIVED: 7/21/05 0800

QUOTE/PROFILE: 62511

UNPACKED DATE/TIME: 7/21/05 0900

CLIENT/PROJECT: Maxim Tech

SAMPLES LOGGED IN: LOG-IN REVIEWED:

Number of Shipping Containers Received with Chain of Custody 3 BJ LT

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: BJ

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

Custody Seal Present: ☑ YES ☐ NO Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: BJ **IR THERMOMETER #:** P-5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

(TB) 3.0°C SC	(TB) 3.0°C SC	(TB) 2.0°C SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB 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 **VERIFIED BY:** BJ

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

4.0 CONDITION OF BOTTLES/CONTAINERS VERIFIED BY: BJ

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: 4x40ml ☑ 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: CMS Date: 8-5-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

I502161

CHAIN OF CUSTODY NUMBER

$0012720-001

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

39909

STL4149 (1202)

Client	Project Manager	Date
Maxim Technologies	Greg Pope	07/12/2005
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 8513 0042 4497	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAX005	QUOTE: 62511	

Page 1 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	Analysis: TPHGRO	Analysis: TPHDRO	Analysis: ICCL
IW-2	7/14/05	0900	WATER	1L	AMBER	3	None	3° C 7/21/05 BG			X	
IW-2		0900	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-2		0900	WATER	250mL	PLASTIC	1	None					X
IW-5		0925	WATER	1L	AMBER	2	None				X	
IW-5		0925	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-5		0925	WATER	250mL	PLASTIC	1	None					X
IW-7		0945	WATER	1L	AMBER	2	None				X	
IW-7		0945	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-7		0945	WATER	250mL	PLASTIC	1	None					X
IW-3		1012	WATER	1L	AMBER	2	None				X	
IW-3		1012	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-3		1012	WATER	250mL	PLASTIC	1	None					X
IW-4		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
TRIP BLANK 1	7/20/05	1415	WATER	40mL	VIAL	2	1:1 HCL		X			

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

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other ____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jason Graham	7/20/05	1445	1. Received By: Bill Jenkins	7/21/05	0800
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

45/46

[redacted]

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0012720-002

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

39910

STL4149 (1202)

Client	Project Manager	Date
Nazin Technologies	Greg Pope	07/12/2005
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 MM1-1 Remediation	FEDEX 8513 0642 4497	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAI005	QUOTE: 62511	

Page 2 of 3

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC/MS VOA	TPH 8015 VOA	TPH 8015 SVOA	Chloride
IW-6	7/19/05	1045	WATER	1L	AMBER	2	None	3° C 7/21/05 BL Good			X	
IW-6		1045	WATER	40mL	VIAL	4	1:1 HCL		X	X		
IW-6		1045	WATER	250mL	PLASTIC	1	None					X
SVE-1		1115	WATER	1L	AMBER	2	None				X	
SVE-1		1115	WATER	40mL	VIAL	4	1:1 HCL		X	X		
SVE-1		1115	WATER	250mL	PLASTIC	1	None					X
MW-13		1137	WATER	1L	AMBER	2	None				X	
MW-13		1137	WATER	40mL	VIAL	4	1:1 HCL		X	X		
MW-13		1137	WATER	250mL	PLASTIC	1	None					X
Duplicate		1139	WATER	1L	AMBER	2	None				X	
Duplicate		1139	WATER	40mL	VIAL	4	1:1 HCL		X	X		
Duplicate		1139	WATER	250mL	PLASTIC	1	None					X
EW-2	7/20/05	1350	WATER	1L	AMBER	2	None				X	
EW-2	7/20/05	1350	WATER	40mL	VIAL	4	1:1 HCL		X	X		
EW-2	7/20/05	1350	WATER	250mL	PLASTIC	1	None					X
TRIP BLANK #2	7/20/05	1415	WATER	40mL	VIAL	2	1:1 HCL	1-VIAL IN 2 COOLERS	X			

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

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other ____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jason Granger	7/20/05	1445	1. Received By: Brett Jeard	7/21/05	0800
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

46/46

SEVERN TRENT STL

Certificate of Analysis

STL Austin • 14046 Summit Drive, 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 #: I5D200203

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler

Carla M. Butler
Project Manager

May 5, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5D200203**

This report contains the analytical results for the 13 samples received under chain of custody by Severn Trent Laboratories (STL) on April 20 and 22, 2005. These samples are associated with your 3374 Line NM1-1 Remediation project.

All samples were received in good condition and within temperature requirements with the exception of the liter container for DRO analysis of IW-7 that was received broken on April 20, 2005. A replacement liter was received April 22, 2005 and logged as sample 013.

An aliquot of the filtered metals collections was shipped to STL St. Louis, 13715 Rider Trail North, Earth City, MO for the dissolved uranium analysis.

The volatiles collection had a pH greater than the recommended pH<2 for sample 010.

Some DRO surrogate recoveries are flagged "NC,DIL" to indicate surrogate recoveries were not calculated because the extract was diluted beyond the ability to quantitate recoveries. Surrogate recoveries flagged "NC,I" were not calculated due to matrix interference. Please see result pages for details.

Reporting limits are elevated for the 8270 analysis of sample 008 due to dilution required by hydrocarbon interference.

Several surrogates were below control limits for the 8270 method blank most likely due to sample loss during extraction. Since no reportable targets were detected in the associated samples and all surrogates were within control limits for the samples, LCS, and MS/MSD of sample 001, the quality of the data is not believed to be affected.

Recoveries of toluene from the 8021 MSD of sample 001 and of mercury from the MS/MSD of sample 011 were outside control limits.

Due to limited volume, the 6010B MS of sample 001 was prepared using less volume than the MSD. Since the LIMS system calculations do not consider the different volumes, the RPD of recoveries are flagged as outside limits although the recoveries are in good agreement well within control limits.

Recoveries outside limits for the Matrix Spike/Matrix Spike Duplicate of non-project specific batch QC samples are not discussed in this case narrative.

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5D200203

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-1 04/19/05 08:30 001				
Diesel Range Organics	0.15	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.21	0.10	mg/L	SW846 8015B
Benzene	54	1.0	ug/L	SW846 8021B
Ethylbenzene	1.7	1.0	ug/L	SW846 8021B
Toluene	1.4	1.0	ug/L	SW846 8021B
Xylenes (total)	7.7	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.013	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.26	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.33	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.11	0.015	mg/L	SW846 6010B
Total Dissolved Solids	668	40.0	mg/L	MCAWW 160.1
Chloride	97.2	20.0	mg/L	MCAWW 300.0A
IW-2 04/19/05 09:20 002				
Diesel Range Organics	5.2	0.10	mg/L	SW846 8015B
Ethylbenzene	1.3	1.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.018	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.67	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.31	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.73	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.60	0.015	mg/L	SW846 6010B
Total Dissolved Solids	708	40.0	mg/L	MCAWW 160.1
Chloride	146	20.0	mg/L	MCAWW 300.0A
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A
IW-3 04/19/05 09:45 004				
Diesel Range Organics	14	0.50	mg/L	SW846 8015B
Gasoline Range Organics	0.27	0.10	mg/L	SW846 8015B
Benzene	1.5	1.0	ug/L	SW846 8021B
Ethylbenzene	5.0	1.0	ug/L	SW846 8021B
Toluene	2.4	1.0	ug/L	SW846 8021B
Xylenes (total)	7.4	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.044	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	1.2	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.59	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	5.2	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.98	0.015	mg/L	SW846 6010B
Total Dissolved Solids	733	40.0	mg/L	MCAWW 160.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I5D200203

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-3 04/19/05 09:45 004				
Chloride	148	20.0	mg/L	MCAWW 300.0A
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A
IW-4 04/19/05 10:00 005				
Diesel Range Organics	10	0.25	mg/L	SW846 8015B
Gasoline Range Organics	0.33	0.10	mg/L	SW846 8015B
Benzene	2.6	1.0	ug/L	SW846 8021B
Ethylbenzene	5.4	1.0	ug/L	SW846 8021B
Toluene	3.0	1.0	ug/L	SW846 8021B
Xylenes (total)	8.2	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.055	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	1.3	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.44	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	7.8	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	1.5	0.015	mg/L	SW846 6010B
Total Dissolved Solids	731	40.0	mg/L	MCAWW 160.1
Chloride	147	20.0	mg/L	MCAWW 300.0A
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A
IW-5 04/19/05 10:30 006				
Diesel Range Organics	2.0	0.048	mg/L	SW846 8015B
Benzene	1.1	1.0	ug/L	SW846 8021B
Ethylbenzene	1.4	1.0	ug/L	SW846 8021B
Toluene	1.2	1.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.022	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	1.1	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.28	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.2	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.52	0.015	mg/L	SW846 6010B
Total Dissolved Solids	720	40.0	mg/L	MCAWW 160.1
Chloride	147	20.0	mg/L	MCAWW 300.0A
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A
IW-6 04/19/05 11:10 008				
Diesel Range Organics	13	0.50	mg/L	SW846 8015B
Gasoline Range Organics	0.19	0.10	mg/L	SW846 8015B
Benzene	3.1	1.0	ug/L	SW846 8021B
Ethylbenzene	4.7	1.0	ug/L	SW846 8021B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I5D200203

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
IW-6 04/19/05 11:10 008				
Toluene	3.0	1.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.027	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	1.3	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.27	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	2.0	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	1.8	0.015	mg/L	SW846 6010B
Total Dissolved Solids	743	40.0	mg/L	MCAWW 160.1
Chloride	145	20.0	mg/L	MCAWW 300.0A
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A
IW-7 04/19/05 11:30 009				
Gasoline Range Organics	0.55	0.10	mg/L	SW846 8015B
Benzene	1.4	1.0	ug/L	SW846 8021B
Ethylbenzene	8.7	1.0	ug/L	SW846 8021B
Toluene	4.2	1.0	ug/L	SW846 8021B
Xylenes (total)	6.7	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.034	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	1.2	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.27	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.5	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.47	0.015	mg/L	SW846 6010B
Total Dissolved Solids	744	40.0	mg/L	MCAWW 160.1
Chloride	131	20.0	mg/L	MCAWW 300.0A
Fluoride	1.2	1.0	mg/L	MCAWW 300.0A
MW-13 04/19/05 12:00 010				
Diesel Range Organics	0.90	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.9	1.0	mg/L	SW846 8015B
Benzene	1400	10	ug/L	SW846 8021B
Ethylbenzene	780	10	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.024	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.25	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.23	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.41	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.070	0.015	mg/L	SW846 6010B
Total Dissolved Solids	724	40.0	mg/L	MCAWW 160.1
Chloride	117	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I5D200203

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DUP 04/19/05 12:15 011				
Diesel Range Organics	0.59	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.5	1.0	mg/L	SW846 8015B
Benzene	1300	10	ug/L	SW846 8021B
Ethylbenzene	650	10	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.022	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.24	0.20	mg/L	SW846 6010B
Boron - DISSOLVED	0.22	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.33	0.10	mg/L	SW846 6010B
Manganese - DISSOLVED	0.064	0.015	mg/L	SW846 6010B
Total Dissolved Solids	715	40.0	mg/L	MCAWW 160.1
Chloride	103	20.0	mg/L	MCAWW 300.0A
IW-7 04/21/05 10:30 013				
Diesel Range Organics	2.1	0.047	mg/L	SW846 8015B

PREPARATION METHODS SUMMARY

I5D200203

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
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Mercury Sample Preparation	SW846 7470A	SW846 7470A
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

I5D200203

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	Michael Sarmir	401945
MCAWW 300.0A	David A. Tocher	800002
SW846 6010B	Hamid Davoudi	038010
SW846 6010B	Laurie Baumgartner	401052
SW846 7470A	Robert Hook	11846
SW846 8015B	Kai Allen	402013
SW846 8015B	Scott Leslie	401008
SW846 8021B	Kai Allen	402013
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

I5D200203

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G8QC8	001	SVE-1	04/19/05	08:30
G8QDW	002	IW-2	04/19/05	09:20
G8QD0	003	TRIP BLANK 1	04/19/05	15:30
G8QD4	004	IW-3	04/19/05	09:45
G8QD9	005	IW-4	04/19/05	10:00
G8QEC	006	IW-5	04/19/05	10:30
G8QED	007	TRIP BLANK 2	04/19/05	15:50
G8QEE	008	IW-6	04/19/05	11:10
G8QEG	009	IW-7	04/19/05	11:30
G8QEK	010	MW-13	04/19/05	12:00
G8QEM	011	DUP	04/19/05	12:15
G8QEP	012	TRIP BLANK 3	04/19/05	16:10
G803H	013	IW-7	04/21/05	10:30

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

I5D200203

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
002	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
003	WATER	SW846 8021B		5116316	5116196
004	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
005	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200

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QC DATA ASSOCIATION SUMMARY

I5D200203

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
005	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
006	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
007	WATER	SW846 8021B		5116316	5116196
008	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
009	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 7470A		5118316	5118209
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5116316	5116196
010	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5117314	5117208
	WATER	SW846 7470A		5118316	5118209

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I5D200203

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5117128	5117081
011	WATER	MCAWW 160.1		5111360	5111235
	WATER	MCAWW 300.0A		5113096	5113051
	WATER	MCAWW 300.0A		5113095	5113050
	WATER	SW846 8015B		5111082	5111069
	WATER	SW846 8015B		5117314	5117208
	WATER	SW846 7470A		5118326	5118221
	WATER	SW846 8270C		5111084	5111075
	WATER	SW846 6010B		5112281	5112200
	WATER	SW846 6010B		5117271	5117178
	WATER	SW846 8021B		5117128	5117081
012	WATER	SW846 8015B		5116310	5116189
	WATER	SW846 8021B		5116316	5116196
013	WATER	SW846 8015B		5113089	

ConocoPhillips Co.

Client Sample ID: SVE-1

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-001 **Work Order #...:** G8QC81A4 **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/27/05
Prep Batch #...: 5111084 **Analysis Time..:** 17:22
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(28 - 120)
2-Fluorobiphenyl	85	(23 - 119)
Terphenyl-d14	76	(10 - 123)
2-Fluorophenol	81	(22 - 121)
Phenol-d5	80	(34 - 117)
2,4,6-Tribromophenol	91	(33 - 124)

ConocoPhillips Co.

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I5D200203-001 **Work Order #...:** G8QC81AA **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116310 **Analysis Time..:** 14:24
Dilution Factor: 1

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**0.21**	**0.10**	**mg/L**

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

ConocoPhillips Co.

Client Sample ID: SVE-1

GC Volatiles

Lot-Sample #...: I5D200203-001 Work Order #...: G8QC81AD Matrix.....: WATER
Date Sampled...: 04/19/05 08:30 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116316 Analysis Time..: 14:24
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	54	1.0	ug/L
Ethylbenzene	1.7	1.0	ug/L
Toluene	1.4	1.0	ug/L
Xylenes (total)	7.7	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	129	(73 - 135)

ConocoPhillips Co.

Client Sample ID: SVE-1

GC Semivolatiles

Lot-Sample #...: I5D200203-001 Work Order #...: G8QC81AC Matrix.....: WATER
Date Sampled...: 04/19/05 08:30 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/26/05
Prep Batch #...: 5111082 Analysis Time..: 22:41
Dilution Factor: 0.96

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.15	0.048	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	85	(41 - 143)
Dotriacontane	96	(12 - 153)

ConocoPhillips Co.

Client Sample ID: SVE-1

TOTAL Metals

Lot-Sample #...: I5D200203-001 **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QC81AG
		Dilution Factor: 1		Analysis Time..: 15:13		

ConocoPhillips Co.

Client Sample ID: SVE-1

DISSOLVED Metals

Lot-Sample #...: I5D200203-001 **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AJ
		Dilution Factor: 1		Analysis Time..: 10:55		
Arsenic	**0.013**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QC81AK**
		Dilution Factor: 1		Analysis Time..: 10:55		
Barium	**0.26**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QC81AL**
		Dilution Factor: 1		Analysis Time..: 10:55		
Boron	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AM
		Dilution Factor: 1		Analysis Time..: 10:55		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AN
		Dilution Factor: 1		Analysis Time..: 10:55		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AP
		Dilution Factor: 1		Analysis Time..: 10:55		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AQ
		Dilution Factor: 1		Analysis Time..: 10:55		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AR
		Dilution Factor: 1		Analysis Time..: 10:55		
Iron	**0.33**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QC81AT**
		Dilution Factor: 1		Analysis Time..: 10:55		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AU
		Dilution Factor: 1		Analysis Time..: 10:55		
Manganese	**0.11**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QC81AV**
		Dilution Factor: 1		Analysis Time..: 10:55		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AW
		Dilution Factor: 1		Analysis Time..: 10:55		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QC81AX
		Dilution Factor: 1		Analysis Time..: 10:55		

(Continued on next page)

ConocoPhillips Co.

Client Sample ID: SVE-1

DISSOLVED Metals

Lot-Sample #...: I5D200203-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QC81A0
		Dilution Factor: 1		Analysis Time..: 10:55		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QC81A1
		Dilution Factor: 1		Analysis Time..: 10:55		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QC81A2
		Dilution Factor: 1		Analysis Time..: 10:55		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QC81A3
		Dilution Factor: 1		Analysis Time..: 11:08		

ConocoPhillips Co.

Client Sample ID: SVE-1

General Chemistry

Lot-Sample #...: I5D200203-001 **Work Order #...: G8QC8** **Matrix.....: WATER**
Date Sampled...: 04/19/05 08:30 **Date Received..: 04/20/05 09:00**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**97.2**	**20.0**	**mg/L**	**MCAWW 300.0A**	**04/22/05**	**5113096**
		Dilution Factor: 20		Analysis Time..: 11:49		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 08:49		
Total Dissolved Solids	**668**	**40.0**	**mg/L**	**MCAWW 160.1**	**04/21/05**	**5111360**
		Dilution Factor: 1		Analysis Time..: 16:12		

ConocoPhillips Co.

Client Sample ID: IW-2

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-002 **Work Order #...:** G8QDW1AF **Matrix.....:** WATER
Date Sampled...: 04/19/05 09:20 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/29/05
Prep Batch #...: 5111084 **Analysis Time..:** 22:43
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	102	(28 - 120)
2-Fluorobiphenyl	99	(23 - 119)
Terphenyl-d14	88	(10 - 123)
2-Fluorophenol	99	(22 - 121)
Phenol-d5	97	(34 - 117)
2,4,6-Tribromophenol	105	(33 - 124)

ConocoPhillips Co.

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I5D200203-002 **Work Order #...:** G8QDW1AG **Matrix.....:** WATER
Date Sampled...: 04/19/05 09:20 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116310 **Analysis Time..:** 14:54
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)	97	(75 - 122)

ConocoPhillips Co.

Client Sample ID: IW-2

GC Volatiles

Lot-Sample #...: I5D200203-002 Work Order #...: G8QDW1AJ Matrix.....: WATER
Date Sampled...: 04/19/05 09:20 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116316 Analysis Time..: 14:54
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	1.3	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-2

GC Semivolatiles

Lot-Sample #...: I5D200203-002 Work Order #...: G8QDW1AH Matrix.....: WATER
Date Sampled...: 04/19/05 09:20 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/29/05
Prep Batch #...: 5111082 Analysis Time..: 02:31
Dilution Factor: 2
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	5.2	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,I	(41 - 143)
Dotriacontane	NC,I	(12 - 153)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

ConocoPhillips Co.

Client Sample ID: IW-2

TOTAL Metals

Lot-Sample #...: I5D200203-002 **Matrix.....:** WATER
Date Sampled...: 04/19/05 09:20 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QDW1AM
		Dilution Factor: 1		Analysis Time..: 15:15		

ConocoPhillips Co.

Client Sample ID: IW-2

DISSOLVED Metals

Lot-Sample #...: I5D200203-002 Matrix.....: WATER
Date Sampled...: 04/19/05 09:20 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AP
		Dilution Factor: 1		Analysis Time..: 11:00		
Arsenic	**0.018**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QDW1AQ**
		Dilution Factor: 1		Analysis Time..: 11:00		
Barium	**0.67**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QDW1AR**
		Dilution Factor: 1		Analysis Time..: 11:00		
Boron	**0.31**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QDW1AT**
		Dilution Factor: 1		Analysis Time..: 11:00		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AU
		Dilution Factor: 1		Analysis Time..: 11:00		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AV
		Dilution Factor: 1		Analysis Time..: 11:00		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AW
		Dilution Factor: 1		Analysis Time..: 11:00		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AX
		Dilution Factor: 1		Analysis Time..: 11:00		
Iron	**0.73**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QDW1A0**
		Dilution Factor: 1		Analysis Time..: 11:00		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1A1
		Dilution Factor: 1		Analysis Time..: 11:00		
Manganese	**0.60**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QDW1A2**
		Dilution Factor: 1		Analysis Time..: 11:00		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1A3
		Dilution Factor: 1		Analysis Time..: 11:00		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1A4
		Dilution Factor: 1		Analysis Time..: 11:00		

(Continued on next page)

ConocoPhillips Co.

Client Sample ID: IW-2

DISSOLVED Metals

Lot-Sample #...: I5D200203-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AA
		Dilution Factor: 1		Analysis Time..: 11:00		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AC
		Dilution Factor: 1		Analysis Time..: 11:00		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QDW1AD
		Dilution Factor: 1		Analysis Time..: 11:00		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QDW1AE
		Dilution Factor: 1		Analysis Time..: 11:21		

ConocoPhillips Co.

Client Sample ID: IW-2

General Chemistry

Lot-Sample #...: I5D200203-002 Work Order #...: G8QDW Matrix.....: WATER
Date Sampled...: 04/19/05 09:20 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	146	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 12:28		
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 09:27		
Total Dissolved Solids	708	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:14		

ConocoPhillips Co.

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #...: I5D200203-003 Work Order #...: G8QD01AA Matrix.....: WATER
Date Sampled...: 04/19/05 15:30 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/26/05
Prep Batch #...: 5116316 Analysis Time..: 00:27
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	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-3

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-004 **Work Order #...:** G8QD41AF **Matrix.....:** WATER
Date Sampled...: 04/19/05 09:45 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/29/05
Prep Batch #...: 5111084 **Analysis Time..:** 23:14
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	93	(28 - 120)
2-Fluorobiphenyl	91	(23 - 119)
Terphenyl-d14	77	(10 - 123)
2-Fluorophenol	101	(22 - 121)
Phenol-d5	100	(34 - 117)
2,4,6-Tribromophenol	100	(33 - 124)

ConocoPhillips Co.

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I5D200203-004 Work Order #...: G8QD41AG Matrix.....: WATER
Date Sampled...: 04/19/05 09:45 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116310 Analysis Time..: 15:23
Dilution Factor: 1
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	0.27	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ConocoPhillips Co.

Client Sample ID: IW-3

GC Volatiles

Lot-Sample #...: I5D200203-004 Work Order #...: G8QD41AJ Matrix.....: WATER
Date Sampled...: 04/19/05 09:45 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116316 Analysis Time..: 15:23
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	1.5	1.0	ug/L
Ethylbenzene	5.0	1.0	ug/L
Toluene	2.4	1.0	ug/L
Xylenes (total)	7.4	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-3

GC Semivolatiles

Lot-Sample #...: I5D200203-004 Work Order #...: G8QD41AH Matrix.....: WATER
Date Sampled...: 04/19/05 09:45 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/29/05
Prep Batch #...: 5111082 Analysis Time..: 03:13
Dilution Factor: 10
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	14	0.50	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 Co.

Client Sample ID: IW-3

TOTAL Metals

Lot-Sample #...: I5D200203-004 **Matrix.....:** WATER
Date Sampled...: 04/19/05 09:45 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QD41AM
		Dilution Factor: 1		**Analysis Time..:** 15:16		

ConocoPhillips Co.

Client Sample ID: IW-3

DISSOLVED Metals

Lot-Sample #...: I5D200203-004 **Matrix.....: WATER**
Date Sampled...: 04/19/05 09:45 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AP
		Dilution Factor: 1		Analysis Time..: 11:06		
Arsenic	**0.044**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD41AQ**
		Dilution Factor: 1		Analysis Time..: 11:06		
Barium	**1.2**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD41AR**
		Dilution Factor: 1		Analysis Time..: 11:06		
Boron	**0.59**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD41AT**
		Dilution Factor: 1		Analysis Time..: 11:06		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AU
		Dilution Factor: 1		Analysis Time..: 11:06		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AV
		Dilution Factor: 1		Analysis Time..: 11:06		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AW
		Dilution Factor: 1		Analysis Time..: 11:06		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AX
		Dilution Factor: 1		Analysis Time..: 11:06		
Iron	**5.2**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD41A0**
		Dilution Factor: 1		Analysis Time..: 11:06		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QD41A1
		Dilution Factor: 1		Analysis Time..: 11:06		
Manganese	**0.98**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD41A2**
		Dilution Factor: 1		Analysis Time..: 11:06		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QD41A3
		Dilution Factor: 1		Analysis Time..: 11:06		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QD41A4
		Dilution Factor: 1		Analysis Time..: 11:06		

(Continued on next page)

ConocoPhillips Co.

Client Sample ID: IW-3

DISSOLVED Metals

Lot-Sample #...: I5D200203-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AA
		Dilution Factor: 1		Analysis Time..: 11:06		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AC
		Dilution Factor: 1		Analysis Time..: 11:06		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QD41AD
		Dilution Factor: 1		Analysis Time..: 11:06		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QD41AE
		Dilution Factor: 1		Analysis Time..: 11:25		

ConocoPhillips Co.

Client Sample ID: IW-3

General Chemistry

Lot-Sample #...: I5D200203-004 Work Order #...: G8QD4 Matrix.....: WATER
Date Sampled...: 04/19/05 09:45 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	148	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 12:41		
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 09:40		
Total Dissolved Solids	733	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:16		

ConocoPhillips Co.

Client Sample ID: IW-4

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-005 **Work Order #...:** G8QD91AF **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:00 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/29/05
Prep Batch #...: 5111084 **Analysis Time..:** 23:44
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(28 - 120)
2-Fluorobiphenyl	90	(23 - 119)
Terphenyl-d14	79	(10 - 123)
2-Fluorophenol	91	(22 - 121)
Phenol-d5	91	(34 - 117)
2,4,6-Tribromophenol	98	(33 - 124)

ConocoPhillips Co.

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I5D200203-005 Work Order #...: G8QD91AG Matrix.....: WATER
Date Sampled...: 04/19/05 10:00 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116310 Analysis Time..: 15:51
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)	98	(75 - 122)

ConocoPhillips Co.

Client Sample ID: IW-4

GC Volatiles

Lot-Sample #...: I5D200203-005 Work Order #...: G8QD91AJ Matrix.....: WATER
Date Sampled...: 04/19/05 10:00 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116316 Analysis Time..: 15:51
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	2.6	1.0	ug/L
Ethylbenzene	5.4	1.0	ug/L
Toluene	3.0	1.0	ug/L
Xylenes (total)	8.2	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	85	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-4

GC Semivolatiles

Lot-Sample #...: I5D200203-005 Work Order #...: G8QD91AH Matrix.....: WATER
Date Sampled...: 04/19/05 10:00 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/29/05
Prep Batch #...: 5111082 Analysis Time..: 03:54
Dilution Factor: 5
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	10	0.25	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,I	(41 - 143)
Dotriacontane	NC,I	(12 - 153)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

ConocoPhillips Co.

Client Sample ID: IW-4

TOTAL Metals

Lot-Sample #...: I5D200203-005 **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:00 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QD91AM
		Dilution Factor: 1		Analysis Time..: 15:21		

ConocoPhillips Co.

Client Sample ID: IW-4

DISSOLVED Metals

Lot-Sample #...: I5D200203-005 **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:00 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AP
		Dilution Factor: 1		Analysis Time..: 11:12		
Arsenic	**0.055**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD91AQ**
		Dilution Factor: 1		Analysis Time..: 11:12		
Barium	**1.3**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD91AR**
		Dilution Factor: 1		Analysis Time..: 11:12		
Boron	**0.44**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD91AT**
		Dilution Factor: 1		Analysis Time..: 11:12		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AU
		Dilution Factor: 1		Analysis Time..: 11:12		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AV
		Dilution Factor: 1		Analysis Time..: 11:12		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AW
		Dilution Factor: 1		Analysis Time..: 11:12		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AX
		Dilution Factor: 1		Analysis Time..: 11:12		
Iron	**7.8**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD91A0**
		Dilution Factor: 1		Analysis Time..: 11:12		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QD91A1
		Dilution Factor: 1		Analysis Time..: 11:12		
Manganese	**1.5**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QD91A2**
		Dilution Factor: 1		Analysis Time..: 11:12		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QD91A3
		Dilution Factor: 1		Analysis Time..: 11:12		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QD91A4
		Dilution Factor: 1		Analysis Time..: 11:12		

(Continued on next page)

ConocoPhillips Co.

Client Sample ID: IW-4

DISSOLVED Metals

Lot-Sample #...: I5D200203-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AA
		Dilution Factor: 1		Analysis Time..: 11:12		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AC
		Dilution Factor: 1		Analysis Time..: 11:12		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QD91AD
		Dilution Factor: 1		Analysis Time..: 11:12		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QD91AE
		Dilution Factor: 1		Analysis Time..: 11:30		

ConocoPhillips Co.

Client Sample ID: IW-4

General Chemistry

Lot-Sample #...: I5D200203-005 Work Order #...: G8QD9 Matrix.....: WATER
Date Sampled...: 04/19/05 10:00 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	147	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 13:19		
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 09:53		
Total Dissolved Solids	731	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:18		

ConocoPhillips Co.

Client Sample ID: IW-5

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-006 **Work Order #...:** G8QEC1AF **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/30/05
Prep Batch #...: 5111084 **Analysis Time..:** 00:15
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	96	(28 - 120)
2-Fluorobiphenyl	96	(23 - 119)
Terphenyl-d14	84	(10 - 123)
2-Fluorophenol	97	(22 - 121)
Phenol-d5	97	(34 - 117)
2,4,6-Tribromophenol	104	(33 - 124)

ConocoPhillips Co.

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I5D200203-006 **Work Order #...:** G8QEC1AG **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116310 **Analysis Time..:** 16:20
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)	98	(75 - 122)

ConocoPhillips Co.

Client Sample ID: IW-5

GC Volatiles

Lot-Sample #...: I5D200203-006 **Work Order #...:** G8QEC1AJ **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116316 **Analysis Time..:** 16:20
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.1**	**1.0**	**ug/L**
Ethylbenzene	**1.4**	**1.0**	**ug/L**
Toluene	**1.2**	**1.0**	**ug/L**
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-5

GC Semivolatiles

Lot-Sample #...: I5D200203-006	**Work Order #...:** G8QEC1AH	**Matrix.....:** WATER	
Date Sampled...: 04/19/05 10:30	**Date Received..:** 04/20/05 09:00		
Prep Date.....: 04/20/05	**Analysis Date..:** 04/27/05		
Prep Batch #...: 5111082	**Analysis Time..:** 02:52		
Dilution Factor: 0.96			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**2.0**	**0.048**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	127	(41 - 143)
Dotriacontane	137	(12 - 153)

ConocoPhillips Co.

Client Sample ID: IW-5

TOTAL Metals

Lot-Sample #...: I5D200203-006 **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QEC1AM
		Dilution Factor: 1		Analysis Time..: 15:22		

ConocoPhillips Co.

Client Sample ID: IW-5

DISSOLVED Metals

Lot-Sample #...: I5D200203-006 Matrix.....: WATER
Date Sampled...: 04/19/05 10:30 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AP
		Dilution Factor: 1		Analysis Time..: 11:37		
Arsenic	**0.022**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEC1AQ**
		Dilution Factor: 1		Analysis Time..: 11:37		
Barium	**1.1**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEC1AR**
		Dilution Factor: 1		Analysis Time..: 11:37		
Boron	**0.28**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEC1AT**
		Dilution Factor: 1		Analysis Time..: 11:37		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AU
		Dilution Factor: 1		Analysis Time..: 11:37		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AV
		Dilution Factor: 1		Analysis Time..: 11:37		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AW
		Dilution Factor: 1		Analysis Time..: 11:37		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AX
		Dilution Factor: 1		Analysis Time..: 11:37		
Iron	**1.2**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEC1A0**
		Dilution Factor: 1		Analysis Time..: 11:37		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1A1
		Dilution Factor: 1		Analysis Time..: 11:37		
Manganese	**0.52**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEC1A2**
		Dilution Factor: 1		Analysis Time..: 11:37		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1A3
		Dilution Factor: 1		Analysis Time..: 11:37		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1A4
		Dilution Factor: 1		Analysis Time..: 11:37		

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ConocoPhillips Co.

Client Sample ID: IW-5

DISSOLVED Metals

Lot-Sample #...: I5D200203-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AA
		Dilution Factor: 1		Analysis Time..: 11:37		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AC
		Dilution Factor: 1		Analysis Time..: 11:37		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QEC1AD
		Dilution Factor: 1		Analysis Time..: 11:37		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QEC1AE
		Dilution Factor: 1		Analysis Time..: 11:34		

ConocoPhillips Co.

Client Sample ID: IW-5

General Chemistry

Lot-Sample #...: I5D200203-006 **Work Order #...:** G8QEC **Matrix.....:** WATER
Date Sampled...: 04/19/05 10:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	147	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 13:32		
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 10:06		
Total Dissolved Solids	720	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:20		

ConocoPhillips Co.

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #...: I5D200203-007 Work Order #...: G8QED1AA Matrix.....: WATER
Date Sampled...: 04/19/05 15:50 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/26/05
Prep Batch #...: 5116316 Analysis Time..: 00:55
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-6

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-008 Work Order #...: G8QEE1AF Matrix.....: WATER
Date Sampled...: 04/19/05 11:10 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/27/05
Prep Batch #...: 5111084 Analysis Time..: 20:57
Dilution Factor: 9.62
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	96	ug/L
Acenaphthylene	ND	96	ug/L
Anthracene	ND	96	ug/L
Benzo(a)anthracene	ND	96	ug/L
Benzo(a)pyrene	ND	96	ug/L
Benzo(b)fluoranthene	ND	96	ug/L
Benzo(ghi)perylene	ND	96	ug/L
Benzo(k)fluoranthene	ND	96	ug/L
Chrysene	ND	96	ug/L
Dibenz(a,h)anthracene	ND	96	ug/L
Fluoranthene	ND	96	ug/L
Fluorene	ND	96	ug/L
Indeno(1,2,3-cd)pyrene	ND	96	ug/L
Naphthalene	ND	96	ug/L
Phenanthrene	ND	96	ug/L
Pyrene	ND	96	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	100 DIL	(28 - 120)
2-Fluorobiphenyl	100 DIL	(23 - 119)
Terphenyl-d14	88 DIL	(10 - 123)
2-Fluorophenol	99 DIL	(22 - 121)
Phenol-d5	103 DIL	(34 - 117)
2,4,6-Tribromophenol	109 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 hydrocarbon interference.

ConocoPhillips Co.

Client Sample ID: IW-6

GC Volatiles

Lot-Sample #...: I5D200203-008	**Work Order #...:** G8QEE1AG	**Matrix.....:** WATER	
Date Sampled...: 04/19/05 11:10	**Date Received..:** 04/20/05 09:00		
Prep Date.....: 04/25/05	**Analysis Date..:** 04/25/05		
Prep Batch #...: 5116310	**Analysis Time..:** 16:51		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**0.19**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ConocoPhillips Co.

Client Sample ID: IW-6

GC Volatiles

Lot-Sample #...: I5D200203-008 **Work Order #...:** G8QEE1AJ **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:10 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116316 **Analysis Time..:** 16:51
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**3.1**	**1.0**	**ug/L**
Ethylbenzene	**4.7**	**1.0**	**ug/L**
Toluene	**3.0**	**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)	114	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-6

GC Semivolatiles

Lot-Sample #...: I5D200203-008 Work Order #...: G8QEE1AH Matrix.....: WATER
Date Sampled...: 04/19/05 11:10 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/29/05
Prep Batch #...: 5111082 Analysis Time..: 04:35
Dilution Factor: 10

Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	13	0.50	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(41 - 143)
Dotriacontane	NC,DIL	(12 - 153)

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 Co.

Client Sample ID: IW-6

TOTAL Metals

Lot-Sample #...: I5D200203-008 **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:10 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QEE1AM
		Dilution Factor: 1		Analysis Time..: 15:24		

ConocoPhillips Co.

Client Sample ID: IW-6

DISSOLVED Metals

Lot-Sample #...: I5D200203-008 **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:10 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AP
		Dilution Factor: 1		Analysis Time..: 11:43		
Arsenic	**0.027**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEE1AQ**
		Dilution Factor: 1		Analysis Time..: 11:43		
Barium	**1.3**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEE1AR**
		Dilution Factor: 1		Analysis Time..: 11:43		
Boron	**0.27**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEE1AT**
		Dilution Factor: 1		Analysis Time..: 11:43		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AU
		Dilution Factor: 1		Analysis Time..: 11:43		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AV
		Dilution Factor: 1		Analysis Time..: 11:43		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AW
		Dilution Factor: 1		Analysis Time..: 11:43		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AX
		Dilution Factor: 1		Analysis Time..: 11:43		
Iron	**2.0**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEE1A0**
		Dilution Factor: 1		Analysis Time..: 11:43		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1A1
		Dilution Factor: 1		Analysis Time..: 11:43		
Manganese	**1.8**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEE1A2**
		Dilution Factor: 1		Analysis Time..: 11:43		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1A3
		Dilution Factor: 1		Analysis Time..: 11:43		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1A4
		Dilution Factor: 1		Analysis Time..: 11:43		

(Continued on next page)

ConocoPhillips Co.

Client Sample ID: IW-6

DISSOLVED Metals

Lot-Sample #...: I5D200203-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AA
		Dilution Factor: 1		Analysis Time..: 11:43		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AC
		Dilution Factor: 1		Analysis Time..: 11:43		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QEE1AD
		Dilution Factor: 1		Analysis Time..: 11:43		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QEE1AE
		Dilution Factor: 1		Analysis Time..: 11:39		

ConocoPhillips Co.

Client Sample ID: IW-6

General Chemistry

Lot-Sample #...: I5D200203-008 Work Order #...: G8QEE Matrix.....: WATER
Date Sampled...: 04/19/05 11:10 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	145	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 13:45		
Fluoride	1.3	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 10:45		
Total Dissolved Solids	743	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:22		

ConocoPhillips Co.

Client Sample ID: IW-7

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-009 **Work Order #...:** G8QEG1A3 **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/30/05
Prep Batch #...: 5111084 **Analysis Time..:** 00:45
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(28 - 120)
2-Fluorobiphenyl	99	(23 - 119)
Terphenyl-d14	83	(10 - 123)
2-Fluorophenol	105	(22 - 121)
Phenol-d5	105	(34 - 117)
2,4,6-Tribromophenol	109	(33 - 124)

ConocoPhillips Co.

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I5D200203-009	**Work Order #...:** G8QEG1AA	**Matrix.....:** WATER	
Date Sampled...: 04/19/05 11:30	**Date Received..:** 04/20/05 09:00		
Prep Date.....: 04/25/05	**Analysis Date..:** 04/25/05		
Prep Batch #...: 5116310	**Analysis Time..:** 17:21		
Dilution Factor: 1			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**0.55**	**0.10**	**mg/L**

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

ConocoPhillips Co.

Client Sample ID: IW-7

GC Volatiles

Lot-Sample #...: I5D200203-009 Work Order #...: G8QEG1AC Matrix.....: WATER
Date Sampled...: 04/19/05 11:30 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116316 Analysis Time..: 17:21
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	1.4	1.0	ug/L
Ethylbenzene	8.7	1.0	ug/L
Toluene	4.2	1.0	ug/L
Xylenes (total)	6.7	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	128	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-7

TOTAL Metals

Lot-Sample #...: I5D200203-009 **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QEG1AF
		Dilution Factor: 1		Analysis Time..: 15:26		

ConocoPhillips Co.

Client Sample ID: IW-7

DISSOLVED Metals

Lot-Sample #...: I5D200203-009 **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AH
		Dilution Factor: 1		Analysis Time..: 11:48		
Arsenic	**0.034**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEG1AJ**
		Dilution Factor: 1		Analysis Time..: 11:48		
Barium	**1.2**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEG1AK**
		Dilution Factor: 1		Analysis Time..: 11:48		
Boron	**0.27**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEG1AL**
		Dilution Factor: 1		Analysis Time..: 11:48		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AM
		Dilution Factor: 1		Analysis Time..: 11:48		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AN
		Dilution Factor: 1		Analysis Time..: 11:48		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AP
		Dilution Factor: 1		Analysis Time..: 11:48		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AQ
		Dilution Factor: 1		Analysis Time..: 11:48		
Iron	**1.5**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEG1AR**
		Dilution Factor: 1		Analysis Time..: 11:48		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AT
		Dilution Factor: 1		Analysis Time..: 11:48		
Manganese	**0.47**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEG1AU**
		Dilution Factor: 1		Analysis Time..: 11:48		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AV
		Dilution Factor: 1		Analysis Time..: 11:48		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AW
		Dilution Factor: 1		Analysis Time..: 11:48		

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ConocoPhillips Co.

Client Sample ID: IW-7

DISSOLVED Metals

Lot-Sample #...: I5D200203-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1AX
		Dilution Factor: 1		Analysis Time..: 11:48		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1A0
		Dilution Factor: 1		Analysis Time..: 11:48		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QEG1A1
		Dilution Factor: 1		Analysis Time..: 11:48		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QEG1A2
		Dilution Factor: 1		Analysis Time..: 11:43		

ConocoPhillips Co.

Client Sample ID: IW-7

General Chemistry

Lot-Sample #...: I5D200203-009 **Work Order #...:** G8QEG **Matrix.....:** WATER
Date Sampled...: 04/19/05 11:30 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	131	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 13:58		
Fluoride	1.2	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 10:57		
Total Dissolved Solids	744	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:24		

ConocoPhillips Co.

Client Sample ID: MW-13

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-010 Work Order #...: G8QEK1AF Matrix.....: WATER
Date Sampled...: 04/19/05 12:00 Date Received..: 04/20/05 09:00
Prep Date.....: 04/20/05 Analysis Date..: 04/30/05
Prep Batch #...: 5111084 Analysis Time..: 01:16
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	85	(28 - 120)
2-Fluorobiphenyl	87	(23 - 119)
Terphenyl-d14	79	(10 - 123)
2-Fluorophenol	85	(22 - 121)
Phenol-d5	82	(34 - 117)
2,4,6-Tribromophenol	95	(33 - 124)

ConocoPhillips Co.

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I5D200203-010	**Work Order #...:** G8QEK1AG	**Matrix.....:** WATER	
Date Sampled...: 04/19/05 12:00	**Date Received..:** 04/20/05 09:00		
Prep Date.....: 04/26/05	**Analysis Date..:** 04/26/05		
Prep Batch #...: 5117314	**Analysis Time..:** 18:43		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**4.9**	**1.0**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ConocoPhillips Co.

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I5D200203-010	**Work Order #...:** G8QEK1AJ	**Matrix.....:** WATER	
Date Sampled...: 04/19/05 12:00	**Date Received..:** 04/20/05 09:00		
Prep Date.....: 04/26/05	**Analysis Date..:** 04/26/05		
Prep Batch #...: 5117128	**Analysis Time..:** 18:43		
Dilution Factor: 10			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1400**	**10**	**ug/L**
Ethylbenzene	**780**	**10**	**ug/L**
Toluene	ND	10	ug/L
Xylenes (total)	ND	30	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	110	(73 - 135)

ConocoPhillips Co.

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...: I5D200203-010	Work Order #...: G8QEK1AH	Matrix.....: WATER	
Date Sampled...: 04/19/05 12:00	Date Received..: 04/20/05 09:00		
Prep Date.....: 04/20/05	Analysis Date..: 04/27/05		
Prep Batch #...: 5111082	Analysis Time..: 04:16		
Dilution Factor: 0.96			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.90	0.048	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	112	(41 - 143)
Dotriacontane	109	(12 - 153)

ConocoPhillips Co.

Client Sample ID: MW-13

TOTAL Metals

Lot-Sample #...: I5D200203-010 **Matrix.....:** WATER
Date Sampled...: 04/19/05 12:00 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QEK1AM
		Dilution Factor: 1		**Analysis Time..:** 15:29		

ConocoPhillips Co.

Client Sample ID: MW-13

DISSOLVED Metals

Lot-Sample #...: I5D200203-010 **Matrix.....: WATER**
Date Sampled...: 04/19/05 12:00 **Date Received..: 04/20/05 09:00**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AP
		Dilution Factor: 1		Analysis Time..: 11:54		
Arsenic	**0.024**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEK1AQ**
		Dilution Factor: 1		Analysis Time..: 11:54		
Barium	**0.25**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEK1AR**
		Dilution Factor: 1		Analysis Time..: 11:54		
Boron	**0.23**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEK1AT**
		Dilution Factor: 1		Analysis Time..: 11:54		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AU
		Dilution Factor: 1		Analysis Time..: 11:54		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AV
		Dilution Factor: 1		Analysis Time..: 11:54		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AW
		Dilution Factor: 1		Analysis Time..: 11:54		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AX
		Dilution Factor: 1		Analysis Time..: 11:54		
Iron	**0.41**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEK1A0**
		Dilution Factor: 1		Analysis Time..: 11:54		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1A1
		Dilution Factor: 1		Analysis Time..: 11:54		
Manganese	**0.070**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEK1A2**
		Dilution Factor: 1		Analysis Time..: 11:54		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1A3
		Dilution Factor: 1		Analysis Time..: 11:54		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1A4
		Dilution Factor: 1		Analysis Time..: 11:54		

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ConocoPhillips Co.

Client Sample ID: MW-13

DISSOLVED Metals

Lot-Sample #...: I5D200203-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AA
		Dilution Factor: 1		Analysis Time..: 11:54		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AC
		Dilution Factor: 1		Analysis Time..: 11:54		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QEK1AD
		Dilution Factor: 1		Analysis Time..: 11:54		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QEK1AE
		Dilution Factor: 1		Analysis Time..: 11:47		

ConocoPhillips Co.

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I5D200203-010 Work Order #...: G8QEK Matrix.....: WATER
Date Sampled...: 04/19/05 12:00 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	117	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 14:11		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 11:10		
Total Dissolved Solids	724	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:26		

ConocoPhillips Co.

Client Sample ID: DUP

GC/MS Semivolatiles

Lot-Sample #...: I5D200203-011 **Work Order #...:** G8QEM1AF **Matrix.....:** WATER
Date Sampled...: 04/19/05 12:15 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/30/05
Prep Batch #...: 5111084 **Analysis Time..:** 01:46
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	ND	9.6	ug/L
Phenanthrene	ND	9.6	ug/L
Pyrene	ND	9.6	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(28 - 120)
2-Fluorobiphenyl	90	(23 - 119)
Terphenyl-d14	78	(10 - 123)
2-Fluorophenol	81	(22 - 121)
Phenol-d5	83	(34 - 117)
2,4,6-Tribromophenol	97	(33 - 124)

ConocoPhillips Co.

Client Sample ID: DUP

GC Volatiles

Lot-Sample #...: I5D200203-011	Work Order #...: G8QEM1AG	Matrix.....: WATER	
Date Sampled...: 04/19/05 12:15	Date Received..: 04/20/05 09:00		
Prep Date.....: 04/26/05	Analysis Date..: 04/26/05		
Prep Batch #...: 5117314	Analysis Time..: 19:12		
Dilution Factor: 10			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	4.5	1.0	mg/L

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

ConocoPhillips Co.

Client Sample ID: DUP

GC Volatiles

Lot-Sample #...: I5D200203-011 Work Order #...: G8QEM1AJ Matrix.....: WATER
Date Sampled...: 04/19/05 12:15 Date Received..: 04/20/05 09:00
Prep Date.....: 04/26/05 Analysis Date..: 04/26/05
Prep Batch #...: 5117128 Analysis Time..: 19:12
Dilution Factor: 10
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	1300	10	ug/L
Ethylbenzene	650	10	ug/L
Toluene	ND	10	ug/L
Xylenes (total)	ND	30	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	109	(73 - 135)

ConocoPhillips Co.

Client Sample ID: DUP

GC Semivolatiles

Lot-Sample #...: I5D200203-011	**Work Order #...:** G8QEM1AH	**Matrix.....:** WATER	
Date Sampled...: 04/19/05 12:15	**Date Received..:** 04/20/05 09:00		
Prep Date.....: 04/20/05	**Analysis Date..:** 04/27/05		
Prep Batch #...: 5111082	**Analysis Time..:** 04:57		
Dilution Factor: 0.96			
	Method.....: SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**0.59**	**0.048**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	93	(41 - 143)
Dotriacontane	113	(12 - 153)

ConocoPhillips Co.

Client Sample ID: DUP

TOTAL Metals

Lot-Sample #...: I5D200203-011 **Matrix.....:** WATER
Date Sampled...: 04/19/05 12:15 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5118326						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G8QEM1AM
		Dilution Factor: 1		Analysis Time..: 15:33		

ConocoPhillips Co.

Client Sample ID: DUP

DISSOLVED Metals

Lot-Sample #...: I5D200203-011 **Matrix.....:** WATER
Date Sampled...: 04/19/05 12:15 **Date Received..:** 04/20/05 09:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AP
		Dilution Factor: 1		Analysis Time..: 12:00		
Arsenic	**0.022**	**0.010**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEM1AQ**
		Dilution Factor: 1		Analysis Time..: 12:00		
Barium	**0.24**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEM1AR**
		Dilution Factor: 1		Analysis Time..: 12:00		
Boron	**0.22**	**0.20**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEM1AT**
		Dilution Factor: 1		Analysis Time..: 12:00		
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AU
		Dilution Factor: 1		Analysis Time..: 12:00		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AV
		Dilution Factor: 1		Analysis Time..: 12:00		
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AW
		Dilution Factor: 1		Analysis Time..: 12:00		
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AX
		Dilution Factor: 1		Analysis Time..: 12:00		
Iron	**0.33**	**0.10**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEM1A0**
		Dilution Factor: 1		Analysis Time..: 12:00		
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1A1
		Dilution Factor: 1		Analysis Time..: 12:00		
Manganese	**0.064**	**0.015**	**mg/L**	**SW846 6010B**	**04/22-04/27/05**	**G8QEM1A2**
		Dilution Factor: 1		Analysis Time..: 12:00		
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1A3
		Dilution Factor: 1		Analysis Time..: 12:00		
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1A4
		Dilution Factor: 1		Analysis Time..: 12:00		

(Continued on next page)

ConocoPhillips Co.

Client Sample ID: DUP

DISSOLVED Metals

Lot-Sample #...: I5D200203-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AA
		Dilution Factor: 1		Analysis Time..: 12:00		
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AC
		Dilution Factor: 1		Analysis Time..: 12:00		
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G8QEM1AD
		Dilution Factor: 1		Analysis Time..: 12:00		
Prep Batch #...: 5117271						
Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G8QEM1AE
		Dilution Factor: 1		Analysis Time..: 11:52		

ConocoPhillips Co.

Client Sample ID: DUP

General Chemistry

Lot-Sample #...: I5D200203-011 Work Order #...: G8QEM Matrix.....: WATER
Date Sampled...: 04/19/05 12:15 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	103	20.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20		Analysis Time..: 14:24		
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1		Analysis Time..: 11:23		
Total Dissolved Solids	715	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1		Analysis Time..: 16:28		

ConocoPhillips Co.

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #...: I5D200203-012	Work Order #...: G8QEP1AA	Matrix.....: WATER	
Date Sampled...: 04/19/05 16:10	Date Received..: 04/20/05 09:00		
Prep Date.....: 04/25/05	Analysis Date..: 04/25/05		
Prep Batch #...: 5116310	Analysis Time..: 19:16		
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 Co.

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #...: I5D200203-012 **Work Order #...:** G8QEP1AC **Matrix.....:** WATER
Date Sampled...: 04/19/05 16:10 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5116316 **Analysis Time..:** 02:47
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

ConocoPhillips Co.

Client Sample ID: IW-7

GC Semivolatiles

Lot-Sample #...: I5D200203-013 Work Order #...: G803H1AA Matrix.....: WATER
Date Sampled...: 04/21/05 10:30 Date Received..: 04/22/05 08:00
Prep Date.....: 04/22/05 Analysis Date..: 04/26/05
Prep Batch #...: 5113089 Analysis Time..: 20:37
Dilution Factor: 0.94
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	2.1	0.047	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	120	(41 - 143)
Dotriacontane	136	(12 - 153)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I5D200203 **Work Order #...:** G8TE01AA **Matrix.....:** WATER
MB Lot-Sample #: I5D210000-084

Prep Date.....: 04/20/05 **Analysis Time..:** 16:20
Analysis Date..: 04/27/05 **Prep Batch #...:** 5111084
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	18 *	(28 - 120)
2-Fluorobiphenyl	23	(23 - 119)
Terphenyl-d14	23	(10 - 123)
2-Fluorophenol	12 *	(22 - 121)
Phenol-d5	11 *	(34 - 117)
2,4,6-Tribromophenol	19 *	(33 - 124)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5D200203 **Work Order #...:** G86931AA **Matrix.....:** WATER
MB Lot-Sample #: I5D260000-310

Prep Date.....: 04/25/05 **Analysis Time..:** 12:08
Analysis Date..: 04/25/05 **Prep Batch #...:** 5116310
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 #...: I5D200203 **Work Order #...:** G89VK1AA **Matrix.....:** WATER
MB Lot-Sample #: I5D270000-314

Prep Date.....: 04/26/05 **Analysis Time..:** 12:48
Analysis Date..: 04/26/05 **Prep Batch #...:** 5117314
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 #...: I5D200203 **Work Order #...:** G87AT1AA **Matrix.....:** WATER
MB Lot-Sample #: I5D260000-316

Prep Date.....: 04/25/05 **Analysis Time..:** 12:08
Analysis Date..: 04/25/05 **Prep Batch #...:** 5116316
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	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5D200203 **Work Order #...:** G88121AA **Matrix.....:** WATER
MB Lot-Sample #: I5D270000-128

Prep Date.....: 04/26/05 **Analysis Time..:** 12:48
Analysis Date..: 04/26/05 **Prep Batch #...:** 5117128
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	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I5D200203 **Work Order #...:** G8TDW1AA **Matrix.....:** WATER
MB Lot-Sample #: I5D210000-082

Prep Date.....: 04/20/05 **Analysis Time..:** 21:18
Analysis Date..: 04/26/05 **Prep Batch #...:** 5111082
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	60	(41 - 143)
Dotriacontane	69	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I5D200203 **Work Order #...:** G83241AA **Matrix.....:** WATER
MB Lot-Sample #: I5D230000-089

Prep Date.....: 04/22/05 **Analysis Time..:** 18:32
Analysis Date..: 04/26/05 **Prep Batch #...:** 5113089
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	43	(41 - 143)
Dotriacontane	50	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I5D280000-316 **Prep Batch #...:** 5118316						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G9DX11AE
		Dilution Factor: 1				
		Analysis Time..: 14:46				
MB Lot-Sample #: I5D280000-326 **Prep Batch #...:** 5118326						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/28/05	G9D031AA
		Dilution Factor: 1				
		Analysis Time..: 15:30				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I5D220000-281 **Prep Batch #...:** 5112281						
Aluminum	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G80E31AA
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Arsenic	ND	0.010	mg/L	SW846 6010B	04/22-04/27/05	G80E31AC
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Barium	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G80E31AD
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Boron	ND	0.20	mg/L	SW846 6010B	04/22-04/27/05	G80E31AE
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/22-04/27/05	G80E31AF
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G80E31AG
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Cobalt	ND	0.050	mg/L	SW846 6010B	04/22-04/27/05	G80E31AH
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Copper	ND	0.025	mg/L	SW846 6010B	04/22-04/27/05	G80E31AJ
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Iron	ND	0.10	mg/L	SW846 6010B	04/22-04/27/05	G80E31AK
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Lead	ND	0.0030	mg/L	SW846 6010B	04/22-04/27/05	G80E31AL
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Manganese	ND	0.015	mg/L	SW846 6010B	04/22-04/27/05	G80E31AM
		Dilution Factor: 1				
		Analysis Time..: 10:20				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G80E31AN
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Nickel	ND	0.040	mg/L	SW846 6010B	04/22-04/27/05	G80E31AP
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Selenium	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G80E31AQ
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Silver	ND	0.0050	mg/L	SW846 6010B	04/22-04/27/05	G80E31AR
		Dilution Factor: 1				
		Analysis Time..: 10:20				
Zinc	ND	0.020	mg/L	SW846 6010B	04/22-04/27/05	G80E31AT
		Dilution Factor: 1				
		Analysis Time..: 10:20				

MB Lot-Sample #: F5D270000-271 **Prep Batch #...:** 5117271

Uranium	ND	0.50	mg/L	SW846 6010B	04/27-04/28/05	G89NH1AA
		Dilution Factor: 1				
		Analysis Time..: 10:29				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G83N81AA		MB Lot-Sample #:	I5D230000-096	
	ND	1.0	mg/L	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 1				
		Analysis Time..: 08:10				
Fluoride		Work Order #: G83N01AA		MB Lot-Sample #:	I5D230000-095	
	ND	1.0	mg/L	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1				
		Analysis Time..: 08:10				
Total Dissolved Solids		Work Order #: G8VLP1AA		MB Lot-Sample #:	I5D210000-360	
	ND	40.0	mg/L	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1				
		Analysis Time..: 16:00				

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 #...: I5D200203 **Work Order #...:** G8TE01AC **Matrix.....:** WATER
LCS Lot-Sample#: I5D210000-084
Prep Date.....: 04/20/05 **Analysis Date..:** 04/27/05
Prep Batch #...: 5111084 **Analysis Time..:** 16:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	74	(60 - 102)	SW846 8270C
Acenaphthylene	73	(59 - 100)	SW846 8270C
Anthracene	75	(60 - 102)	SW846 8270C
Benzo(a)anthracene	76	(58 - 102)	SW846 8270C
Benzo(a)pyrene	74	(57 - 103)	SW846 8270C
Benzo(b)fluoranthene	72	(55 - 99)	SW846 8270C
Benzo(ghi)perylene	89	(52 - 112)	SW846 8270C
Benzo(k)fluoranthene	82	(56 - 112)	SW846 8270C
Chrysene	73	(59 - 105)	SW846 8270C
Dibenz(a,h)anthracene	81	(56 - 110)	SW846 8270C
Fluoranthene	79	(58 - 106)	SW846 8270C
Fluorene	71	(61 - 104)	SW846 8270C
Indeno(1,2,3-cd)pyrene	83	(57 - 110)	SW846 8270C
Naphthalene	71	(58 - 101)	SW846 8270C
Phenanthrene	83	(59 - 108)	SW846 8270C
Pyrene	75	(62 - 104)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(28 - 120)
2-Fluorobiphenyl	77	(23 - 119)
Terphenyl-d14	80	(10 - 123)
2-Fluorophenol	74	(22 - 121)
Phenol-d5	63	(34 - 117)
2,4,6-Tribromophenol	83	(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 #...: I5D200203 **Work Order #...:** G86931AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5D260000-310 G86931AD-LCSD
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116310 **Analysis Time..:** 10:43
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**88**	**(85 - 115)**			**SW846 8015B**
	89	**(85 - 115)**	**1.1**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	99	(81 - 123)
	96	(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 #...: I5D200203 **Work Order #...:** G89VK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5D270000-314 G89VK1AD-LCSD
Prep Date.....: 04/26/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5117314 **Analysis Time..:** 14:42
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**89**	**(85 - 115)**			**SW846 8015B**
	85	**(85 - 115)**	**4.7**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	99	(81 - 123)
	100	(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 #...: I5D200203 **Work Order #...:** G87AT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5D260000-316 G87AT1AD-LCSD
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116316 **Analysis Time..:** 11:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(85 - 115)**			**SW846 8021B**
	107	**(85 - 115)**	**4.2**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**99**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**3.9**	**(0-20)**	**SW846 8021B**
Toluene	**100**	**(85 - 115)**			**SW846 8021B**
	104	**(85 - 115)**	**3.4**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**100**	**(85 - 115)**			**SW846 8021B**
	104	**(85 - 115)**	**3.8**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	98	(84 - 114)
	99	(84 - 114)

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 #...: I5D200203 **Work Order #...:** G88121AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5D270000-128 G88121AD-LCSD
Prep Date.....: 04/26/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5117128 **Analysis Time..:** 11:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**0.81**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**98**	**(85 - 115)**			**SW846 8021B**
	98	**(85 - 115)**	**0.31**	**(0-20)**	**SW846 8021B**
Toluene	**99**	**(85 - 115)**			**SW846 8021B**
	98	**(85 - 115)**	**0.55**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**100**	**(85 - 115)**			**SW846 8021B**
	99	**(85 - 115)**	**1.0**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(85 - 111)
	105	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	96	(84 - 114)
	97	(84 - 114)

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 #...: I5D200203 **Work Order #...:** G8TDW1AC **Matrix.....:** WATER
LCS Lot-Sample#: I5D210000-082
Prep Date.....: 04/20/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5111082 **Analysis Time..:** 22:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**76**	**(44 - 151)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	84	(41 - 143)
Dotriacontane	83	(12 - 153)

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 #...: I5D200203 **Work Order #...:** G83241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5D230000-089 G83241AD-LCSD
Prep Date.....: 04/22/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5113089 **Analysis Time..:** 19:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**84**	**(44 - 151)**			**SW846 8015B**
	86	**(44 - 151)**	**1.1**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	51	(41 - 143)
	96	(41 - 143)
Dotriacontane	45	(12 - 153)
	93	(12 - 153)

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

TOTAL Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I5D280000-316 **Prep Batch #...:** 5118316					
Mercury	101	(80 - 120)	SW846 7470A	04/28/05	G9DX11AG
		Dilution Factor: 1		Analysis Time..: 14:47	
LCS Lot-Sample#: I5D280000-326 **Prep Batch #...:** 5118326					
Mercury	112	(80 - 120)	SW846 7470A	04/28/05	G9D031AC
		Dilution Factor: 1		Analysis Time..: 15:32	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I5D220000-281 **Prep Batch #...:** 5112281					
Aluminum	101	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31AU
		Dilution Factor: 1		Analysis Time..: 10:26	
Arsenic	99	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31AV
		Dilution Factor: 1		Analysis Time..: 10:26	
Barium	97	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31AW
		Dilution Factor: 1		Analysis Time..: 10:26	
Boron	104	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31AX
		Dilution Factor: 1		Analysis Time..: 10:26	
Cadmium	103	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A0
		Dilution Factor: 1		Analysis Time..: 10:26	
Chromium	101	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A1
		Dilution Factor: 1		Analysis Time..: 10:26	
Cobalt	104	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A2
		Dilution Factor: 1		Analysis Time..: 10:26	
Copper	97	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A3
		Dilution Factor: 1		Analysis Time..: 10:26	
Iron	104	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A4
		Dilution Factor: 1		Analysis Time..: 10:26	
Lead	105	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A5
		Dilution Factor: 1		Analysis Time..: 10:26	
Manganese	103	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A6
		Dilution Factor: 1		Analysis Time..: 10:26	
Molybdenum	102	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A7
		Dilution Factor: 1		Analysis Time..: 10:26	
Nickel	104	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A8
		Dilution Factor: 1		Analysis Time..: 10:26	
Selenium	102	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31A9
		Dilution Factor: 1		Analysis Time..: 10:26	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	101	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31CA
		Dilution Factor: 1	Analysis Time..: 10:26		
Zinc	107	(80 - 120)	SW846 6010B	04/22-04/27/05	G80E31CC
		Dilution Factor: 1	Analysis Time..: 10:26		
LCS Lot-Sample#: F5D270000-271 **Prep Batch #...:** 5117271					
Uranium	103	(80 - 120)	SW846 6010B	04/27-04/28/05	G89NH1AW
		Dilution Factor: 1	Analysis Time..: 10:33		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I5D200203 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G83N81AC	LCS Lot-Sample#: I5D230000-096		
	95	(90 - 110)	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 1	Analysis Time..: 08:23		
Fluoride		Work Order #: G83N01AC	LCS Lot-Sample#: I5D230000-095		
	94	(90 - 110)	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1	Analysis Time..: 08:23		
Total Dissolved Solids		Work Order #: G8VLP1AC	LCS Lot-Sample#: I5D210000-360		
	98	(87 - 113)	MCAWW 160.1	04/21/05	5111360
		Dilution Factor: 1	Analysis Time..: 16:02		

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 #...: I5D200203 **Work Order #...:** G8QC81A7-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D200203-001 G8QC81A8-MSD
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/27/05
Prep Batch #...: 5111084 **Analysis Time..:** 17:53
Dilution Factor: 0.96

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	74	(60 - 102)			SW846 8270C
	83	(60 - 102)	11	(0-20)	SW846 8270C
Acenaphthylene	74	(59 - 100)			SW846 8270C
	81	(59 - 100)	9.0	(0-20)	SW846 8270C
Anthracene	75	(60 - 102)			SW846 8270C
	84	(60 - 102)	12	(0-20)	SW846 8270C
Benzo(a)anthracene	79	(58 - 102)			SW846 8270C
	89	(58 - 102)	12	(0-20)	SW846 8270C
Benzo(a)pyrene	76	(57 - 103)			SW846 8270C
	85	(57 - 103)	11	(0-20)	SW846 8270C
Benzo(b)fluoranthene	77	(55 - 99)			SW846 8270C
	82	(55 - 99)	6.6	(0-20)	SW846 8270C
Benzo(ghi)perylene	90	(52 - 112)			SW846 8270C
	101	(52 - 112)	11	(0-20)	SW846 8270C
Benzo(k)fluoranthene	79	(56 - 112)			SW846 8270C
	98 p	(56 - 112)	21	(0-20)	SW846 8270C
Chrysene	76	(59 - 105)			SW846 8270C
	85	(59 - 105)	11	(0-20)	SW846 8270C
Dibenz(a,h)anthracene	83	(56 - 110)			SW846 8270C
	93	(56 - 110)	11	(0-20)	SW846 8270C
Fluoranthene	79	(58 - 106)			SW846 8270C
	90	(58 - 106)	13	(0-20)	SW846 8270C
Fluorene	74	(61 - 104)			SW846 8270C
	83	(61 - 104)	11	(0-20)	SW846 8270C
Indeno(1,2,3-cd)pyrene	85	(57 - 110)			SW846 8270C
	95	(57 - 110)	11	(0-20)	SW846 8270C
Naphthalene	73	(58 - 101)			SW846 8270C
	81	(58 - 101)	10	(0-20)	SW846 8270C
Phenanthrene	83	(59 - 108)			SW846 8270C
	93	(59 - 108)	11	(0-20)	SW846 8270C
Pyrene	77	(62 - 104)			SW846 8270C
	88	(62 - 104)	14	(0-20)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	85	(28 - 120)
	90	(28 - 120)
2-Fluorobiphenyl	85	(23 - 119)
	88	(23 - 119)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I5D200203 **Work Order #...:** G8QC81A7-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D200203-001 G8QC81A8-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	86	(10 - 123)
	91	(10 - 123)
2-Fluorophenol	86	(22 - 121)
	94	(22 - 121)
Phenol-d5	81	(34 - 117)
	88	(34 - 117)
2,4,6-Tribromophenol	88	(33 - 124)
	93	(33 - 124)

NOTE(S):

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

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5D200203 **Work Order #...:** G8QHX1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D200231-001 G8QHX1AF-MSD
Date Sampled...: 04/18/05 10:05 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116310 **Analysis Time..:** 19:44
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**102**	**(79 - 124)**			**SW846 8015B**
	102	**(79 - 124)**	**0.09**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	100	(75 - 122)
	100	(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 #...: I5D200203 **Work Order #...:** G8QC81DG-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D200203-001 G8QC81DH-MSD
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5116316 **Analysis Time..:** 01:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(85 - 115)**			**SW846 8021B**
	114	**(85 - 115)**	**3.2**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**110**	**(85 - 115)**			**SW846 8021B**
	113	**(85 - 115)**	**3.1**	**(0-20)**	**SW846 8021B**
Toluene	**114**	**(85 - 115)**			**SW846 8021B**
	118 a	**(85 - 115)**	**3.2**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**110**	**(85 - 115)**			**SW846 8021B**
	114	**(85 - 115)**	**2.7**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(81 - 119)
	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	110	(73 - 135)
	124	(73 - 135)

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 #...: I5D200203 **Work Order #...:** G80WF1AH-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D220212-001 G80WF1AJ-MSD
Date Sampled...: 04/20/05 08:30 **Date Received..:** 04/22/05 08:00
Prep Date.....: 04/26/05 **Analysis Date..:** 04/27/05
Prep Batch #...: 5117128 **Analysis Time..:** 00:05
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**135 a**	**(85 - 115)**			**SW846 8021B**
	128 a	**(85 - 115)**	**5.9**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**126 a**	**(85 - 115)**			**SW846 8021B**
	118 a	**(85 - 115)**	**6.0**	**(0-20)**	**SW846 8021B**
Toluene	**129 a**	**(85 - 115)**			**SW846 8021B**
	121 a	**(85 - 115)**	**6.2**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**127 a**	**(85 - 115)**			**SW846 8021B**
	120 a	**(85 - 115)**	**6.0**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)
	100	(73 - 135)

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 Semivolatiles

Client Lot #...: I5D200203 **Work Order #...:** G8QC81A5-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D200203-001 G8QC81A6-MSD
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/20/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5111082 **Analysis Time..:** 23:23
Dilution Factor: 0.96

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**90**	**(44 - 151)**			**SW846 8015B**
	111	**(44 - 151)**	**19**	**(0-20)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	99	(41 - 143)
	113	(41 - 143)
Dotriacontane	105	(12 - 153)
	116	(12 - 153)

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 #...: I5D200203 **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I5D200203-001 **Prep Batch #...:** 5112281							
Aluminum	98	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81A9
	100 *	(75 - 125)	69	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CA
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Arsenic	97	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CC
	97 *	(75 - 125)	64	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CD
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Barium	87	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CE
	92 *	(75 - 125)	41	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CF
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Boron	99	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CG
	101 *	(75 - 125)	50	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CH
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Cadmium	101	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CJ
	100 *	(75 - 125)	66	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CK
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Chromium	98	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CL
	99 *	(75 - 125)	67	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CM
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Cobalt	100	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CN
	101 *	(75 - 125)	67	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CP
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Copper	94	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CQ
	97 *	(75 - 125)	69	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CR
		Dilution Factor: 1					
		Analysis Time..: 10:32					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	101	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CT
	102 *	(75 - 125)	67	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CU
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Lead	102	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CV
	102 *	(75 - 125)	66	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81CW
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Manganese	97	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81CX
	100 *	(75 - 125)	53	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81C0
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Molybdenum	99	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81C1
	100 *	(75 - 125)	67	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81C2
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Nickel	99	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81C3
	100 *	(75 - 125)	66	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81C4
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Selenium	101	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81C5
	100 *	(75 - 125)	66	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81C6
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Silver	99	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81C7
	100 *	(75 - 125)	67	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81C8
		Dilution Factor: 1					
		Analysis Time..: 10:32					
Zinc	105	(75 - 125)			SW846 6010B	04/22-04/27/05	G8QC81C9
	105 *	(75 - 125)	67	(0-20)	SW846 6010B	04/22-04/27/05	G8QC81DA
		Dilution Factor: 1					
		Analysis Time..: 10:32					

NOTE(S):

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

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I5D200203 **Matrix.....:** WATER
Date Sampled...: 04/19/05 12:15 **Date Received..:** 04/20/05 09:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I5D200203-011 **Prep Batch #...:** 5118326							
Mercury	58 N	(75 - 125)			SW846 7470A	04/28/05	G8QEM1A5
	60 N	(75 - 125)	4.0	(0-20)	SW846 7470A	04/28/05	G8QEM1A6
		Dilution Factor: 1					
		Analysis Time..: 15:36					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I5D200203 **Matrix.....:** WATER
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: G8QC81DE-MS/G8QC81DF-MSD			MS Lot-Sample #: I5D200203-001		
	98	(90 - 110)			MCAWW 300.0A	04/22/05	5113096
	102	(90 - 110)	1.7	(0-20)	MCAWW 300.0A	04/22/05	5113096
		Dilution Factor: 20					
		Analysis Time..: 12:02					
Fluoride		WO#: G8QC81DC-MS/G8QC81DD-MSD			MS Lot-Sample #: I5D200203-001		
	95	(90 - 110)			MCAWW 300.0A	04/22/05	5113095
	91	(90 - 110)	3.2	(0-20)	MCAWW 300.0A	04/22/05	5113095
		Dilution Factor: 1					
		Analysis Time..: 09:01					

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I5D200203 **Work Order #...:** G8Q8P-SMP G8Q8P-DUP **Matrix.....:** WATER

Date Sampled...: 04/19/05 06:45 **Date Received..:** 04/20/05 13:30

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: I5D200318-002		
	671	699	mg/L	4.1	(0-20)	MCAWW 160.1	04/21/05	5111360
			Dilution Factor: 1			Analysis Time..: 16:30		

Report Attachment

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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: D5D200203

RECEIVED BY: LT

COC NUMBER:

DATE/TIME RECEIVED: 4-20-05 / 0900

QUOTE/PROFILE: S6072

UNPACKED DATE/TIME: 4-20-05 / 1130

CLIENT/PROJECT: Maxim Tech

SAMPLES LOGGED IN: LT

LOG-IN REVIEWED: CL

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: LT

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: LT **IR THERMOMETER #:** P-4

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB (SC) 4°C	TB (SC) 4°C	TB (SC) 3°C	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB 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 **VERIFIED BY:** LT

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

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** LT

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: 4x40mL	☑ 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: 1x1L broken for IW-7

CORRECTIVE ACTION:

Client's Name: Greg Pope Informed verbally on: 4-20-05 By: CMS

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

Sample(s) processed "as is" comments: Greg will need replacement liter for DRO cmb
logged IW-7 for only $270 per Carla Butler.

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

REVIEW:

Project Management: CMB Date: 4-20-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I5020020 3-013
added 4-22-05
COC NUMBER: _____

RECEIVED BY: _____

DATE/TIME RECEIVED: 4-22-05 0800

QUOTE/PROFILE: 56022

UNPACKED DATE/TIME: 4-22-05 0900

CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: LT

LOG-IN REVIEWED: CC

Number of Shipping Containers Received with Chain of Custody 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: CC

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☐ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☐ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: _____ **IR THERMOMETER #:** _____

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB SC 3°C	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB 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 **VERIFIED BY:** CC

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

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** CC

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: ☐ 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 #: 8513 0643 1536
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: CMB Date: 5-6-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

I5D2002

CHAIN OF CUSTODY NUMBER
$0010948-001

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

45643

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Maxim Technologies	Greg Pope	04/11/2005	
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 Linc NM1-1 Remediation	FEDEX		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374MAX007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC 8021	TPH GRO	TPH DRO	MS 8270	ICCL	TDS	ICPL	WQCC Metals	HgCrCuPbZn	URANIUM
SVE-1	4-19-05	830	WATER	1L	AMBER	6	None	4°/LT/4-20-05			X	X						
SVE-1		830	WATER	40mL	VIAL	4	1:1 HCL	See COC Add	X	X								
SVE-1		830	WATER	250mL	PLASTIC	1	None						X	X	X			
SVE-1		830	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-2		920	WATER	1L	AMBER	2	None				X	X						
IW-2		920	WATER	40mL	VIAL	4	1:1 HCL		X	X								
IW-2		920	WATER	250mL	PLASTIC	1	None						X	X	X			
IW-2	4-19-05	920	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
~~[illegible]~~			~~WATER~~	~~1L~~	~~AMBER~~	~~2~~	~~None~~				X	X						
~~[illegible]~~			~~WATER~~	~~40mL~~	~~VIAL~~	~~4~~	~~1:1 HCL~~		X	X								
~~[illegible]~~			~~WATER~~	~~250mL~~	~~PLASTIC~~	~~1~~	~~None~~						X	X	X			
~~[illegible]~~			~~WATER~~	~~250mL~~	~~PLASTIC~~	~~2~~	~~Conc HNO3~~									X	X	X
TRIP BLANK 1	4-19-05	1530	WATER	40mL	VIAL	1	HCl	↓	X									

Special Instructions: 8021 BTEX, 8270 PAH, 6010B 16 WQCC metals; Uranium by STL ST Louis lab TOTAL HG ON UNFILTERED HNO_3 POLY

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other _____

QC Level: [X] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	4/19/05	1545	1. Received By	4-20-05	0900
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

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Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0010948-002

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

45644

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Marin Technologies	Greg Pope	04/11/2005	
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 MM1-1 Remediation	FEDEX		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374MAX007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC8021 LL	TPH GRO	PPRS 8270 LL	MS8270 LL	ICCL	TDS	ICPL	WQCC METS	HEREC URY	URANIUM
IW-3	4-19-05	945	WATER	1L	AMBER	2	None	4°/ICT/4-20-05			X	X						
IW-3		945	WATER	40mL	VIAL	4	1:1 HCL	See COCAdd	X	X								
IW-3		945	WATER	250mL	PLASTIC	1	None						X	X	X			
IW-3		945	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-4		1000	WATER	1L	AMBER	2	None				X	X						
IW-4		1000	WATER	40mL	VIAL	4	1:1 HCL		X	X								
IW-4		1000	WATER	250mL	PLASTIC	1	None						X	X	X			
IW-4		1000	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-5		1030	WATER	1L	AMBER	2	None				X	X						
IW-5		1030	WATER	40mL	VIAL	4	1:1 HCL		X	X								
IW-5		1030	WATER	250mL	PLASTIC	1	None						X	X	X			
IW-5		1030	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
TRIP BLANK 2	4-19-05	1550	WATER	40ML	VIAL	1	HCl		X									

Special Instructions
8021 BTEX, 8270 PAH, 6010B 16 WQCC metals;Uranium by STL ST Louis lab TOTAL Hg ON UNFILTERED HNO3 POLY

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	4/19/05	1600	1. Received By	4-20-05	0900
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

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Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0010948-003

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

45645

STL4149 (1202)

Client	Project Manager	Date	Page 3 of 4
Maxim Technologies	Greg Pope	04/11/2005	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
1703 W Industrial Ave	(432) 686-8681 / (000)	STL Austin	
City / **State** / **Zip Code**	**Site Contact**		
Midland / TX / 79701	Greg Pope		
Project Number/Name	**Carrier/Waybill Number**		
3374 Line MM1-1 Remediation	FEDEX		

Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : 3374MAX007 QUOTE: 56072

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC8021/L	TPH/GRO	TPH/DRO	NS8270CL	ICCL/L	TDS	ICP/L	WQCMKTS	MERCURY	URANIUM
IW-6	4.19.05	1110	WATER	1L	AMBER	2	None	4°C/RT/4.20.05			X	X						
IW-6		1110	WATER	40mL	VIAL	4	1:1 HCL	See COC Add	X	X								
IW-6		1110	WATER	250mL	PLASTIC	1	None						X	X	X			
IW-6		1110	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
IW-7		1130	WATER	1L	AMBER	2	None				X	X						
IW-7		1130	WATER	40mL	VIAL	4	1:1 HCL		X	X								
IW-7		1130	WATER	250mL	PLASTIC	1	None						X	X	X			
IW-7		1130	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X
MW-13		1200	WATER	1L	AMBER	2	None				X	X						
MW-13		1200	WATER	40mL	VIAL	4	1:1 HCL		X	X								
MW-13		1200	WATER	250mL	PLASTIC	1	None						X	X	X			
MW-13	4.19.05	1200	WATER	250mL	PLASTIC	2	Conc HNO3									X	X	X

Special Instructions: 8021 BTEX, 8270 PAH, 6010B 16 MQCC metals; Uranium by STL St Louis lab TOTAL Hg ON UNFILTERED HNO3 POLY

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	4/19/05	1605	1. Received By	4-20-05	0900
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

CHAIN OF CUSTODY NUMBER
$$010948-004

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

45646

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Marin Technologies	Greg Pope	04/11/2005	
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	FED EX		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374MAI007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC8021 (BTEX)	TPH GRO	TPH SW8270 DRO	HSCL	ICCL	TDS	ICPL	WQCC METALS	HEROURANIUM
Dup	4.19.05	1215	WATER	1L	AMBER	2	None	4°C/RT/4.20.05			X	X					
Dup	↓	1215	WATER	40mL	VIAL	14	1:1 HCL	See COC Add	X	X							
Dup		1215	WATER	250mL	PLASTIC	1	None						X	X	X		
Dup		1215	WATER	250mL	PLASTIC	2	Conc HNO3									X	X
TRIP BLANK 3	4.19.05	1610	WATER	40mL	VIAL	2	1:1 HCL	↓	X	X							

Special Instructions: 8021 BTEX, 8270 PAH, 6010B 16 HQCC metals;Uranium by STL ST Louis lab

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	4/19/05	1615	1. Received By	4-20-05	0900
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

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I5D2002[redacted]-013

4[redacted]288

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client: MAXIM TECHNOLOGIES	Project Manager: GREG POPE	Date: 4/21/05	Page 1 of 1
Address: 1703 W. INDUSTRIAL	Telephone Number (Area Code)/Fax Number: (432) 686-8081	Lab Location: STL AUSTIN	Analysis
City: MIDLAND / State: TX / Zip Code: 79701	Site Contact: GREG POPE		
Project Number/Name: 3374 LINE NM1-1 REMEDIATION	Carrier/Waybill Number: FEDEX		
Contract/Purchase Order/Quote Number: 3374MAX007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	TPH-DRO
IW-7	4-21-05	1030	AQ	1L	AMBER	2	NONE	3° 4-22-05	X

Special Instructions: ADD TO LOT # I5D200203 — COOLER #4

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	4-21-05	1430	1. Received By	4-22-05	0800
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

131/131

Certificate of Analysis

STL Austin
14046 Summit Drive
Austin, Texas 78728

Tel: 512 310 5202
Fax: 512 244 0160
www.stl-inc.com

SEVERN TRENT SERVICES
STL Austin

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: I5I210139

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler
Carla M. Butler
Project Manager

September 28, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
STL Austin is a part of Severn Trent Laboratories, Inc.

Case Narrative

STL LOT NUMBER: **I5I210139**

This report contains the analytical results for the **two** samples received under chain of custody by Severn Trent Laboratories (STL) on September 21, 2005. These samples are associated with your **3374** Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5I210139

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE 09/20/05 13:35 001				
Benzene	30	1.0	ug/L	SW846 8021B
Ethylbenzene	1.0	1.0	ug/L	SW846 8021B
Toluene	6.2	1.0	ug/L	SW846 8021B
Chloride	120	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5I210139

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5I210139

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5I210139

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HK14E	001	DISCHARGE	09/20/05	13:35
HK14F	002	TRIP BLANK	09/20/05	14:30

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

I5I210139

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5267085	5267029
	WATER	SW846 8021B		5270371	5270214
002	WATER	SW846 8021B		5270371	5270214

ConocoPhillips Co.

Client Sample ID: DISCHARGE

GC Volatiles

Lot-Sample #...: I5I210139-001	**Work Order #...:** HK14E1AA	**Matrix.....:** WATER	
Date Sampled...: 09/20/05 13:35	**Date Received..:** 09/21/05 07:55		
Prep Date.....: 09/26/05	**Analysis Date..:** 09/26/05		
Prep Batch #...: 5270371	**Analysis Time..:** 19:55		
Dilution Factor: 1			
	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**30**	**1.0**	**ug/L**
Ethylbenzene	**1.0**	**1.0**	**ug/L**
Toluene	**6.2**	**1.0**	**ug/L**
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	122	(73 - 135)

ConocoPhillips Co.

Client Sample ID: DISCHARGE

General Chemistry

Lot-Sample #...: I5I210139-001 Work Order #...: HK14E Matrix.....: WATER
Date Sampled...: 09/20/05 13:35 Date Received..: 09/21/05 07:55

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	120	20.0	mg/L	MCAWW 300.0A	09/22/05	5267085

Dilution Factor: 20 Analysis Time..: 14:42

ConocoPhillips Co.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5I210139-002 Work Order #...: HK14F1AA Matrix.....: WATER
Date Sampled...: 09/20/05 14:30 Date Received..: 09/21/05 07:55
Prep Date.....: 09/26/05 Analysis Date..: 09/26/05
Prep Batch #...: 5270371 Analysis Time..: 20:24
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	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5I210139 **Work Order #...:** HLGHD1AA **Matrix.....:** WATER
MB Lot-Sample #: I5I270000-371

Prep Date.....: 09/26/05 **Analysis Time..:** 19:26
Analysis Date..: 09/26/05 **Prep Batch #...:** 5270371
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5I210139 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HLC2C1AA		MB Lot-Sample #:	I5I240000-085	
	ND	1.0	mg/L	MCAWW 300.0A	09/22/05	5267085
		Dilution Factor: 1				
		Analysis Time..: 08:41				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5I210139 **Work Order #...:** HLGHD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5I270000-371 HLGHD1AD-LCSD
Prep Date.....: 09/26/05 **Analysis Date..:** 09/26/05
Prep Batch #...: 5270371 **Analysis Time..:** 18:27
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**88**	**(85 - 115)**			**SW846 8021B**
	91	**(85 - 115)**	**3.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**105**	**(85 - 115)**			**SW846 8021B**
	105	**(85 - 115)**	**0.25**	**(0-20)**	**SW846 8021B**
Toluene	**100**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**1.9**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**103**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**0.10**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	100	(84 - 114)
	101	(84 - 114)

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 #...: I5I210139 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HLC2C1AC	LCS Lot-Sample#: I5I240000-085		
	96	(90 - 110)	MCAWW 300.0A	09/22/05	5267085
		Dilution Factor: 1	Analysis Time..: 09:54		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5I210139 **Work Order #...:** HK14E1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: I5I210139-001 HK14E1AE-MSD
Date Sampled...: 09/20/05 13:35 **Date Received..:** 09/21/05 07:55
Prep Date.....: 09/26/05 **Analysis Date..:** 09/27/05
Prep Batch #...: 5270371 **Analysis Time..:** 10:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**85**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**4.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**102**	**(85 - 115)**			**SW846 8021B**
	105	**(85 - 115)**	**2.3**	**(0-20)**	**SW846 8021B**
Toluene	**98**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**2.7**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**99**	**(85 - 115)**			**SW846 8021B**
	101	**(85 - 115)**	**2.0**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(81 - 119)
	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	129	(73 - 135)
	127	(73 - 135)

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 #...: I5I210139 **Matrix.....:** WATER
Date Sampled...: 09/07/05 10:00 **Date Received..:** 09/08/05 08:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HJ5J41A2-MS/HJ5J41A3-MSD				MS Lot-Sample #: I5I080144-001	
	86 N	(90 - 110)			MCAWW 300.0A	09/22/05	5267085
	85 N	(90 - 110)	0.21	(0-20)	MCAWW 300.0A	09/22/05	5267085
		Dilution Factor: 1					
		Analysis Time..: 09:19					

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 requirments of NELAC. 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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN–OF–CUSTODY ADDENDUM

Lot No: ISI210139

RECEIVED BY: LT

COC NUMBER:

DATE/TIME RECEIVED: 9-21-05/0755

QUOTE/PROFILE: 56072

UNPACKED DATE/TIME: 9-21-05/0935

CLIENT/PROJECT: MaximTech.

SAMPLES LOGGED IN: MK

LOG-IN REVIEWED: LT

Number of Shipping Containers Received with Chain of Custody 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: LT

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: LT **IR THERMOMETER #:** P-5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
(SC) 4-2°C	SC	SC	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 **VERIFIED BY:** LT

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
TripBlank	8mm

Sample ID	mm Headspace

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** ET

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
~~Duplicate~~ 9-20-05 • Discharge	9-20-05 1935	•	9-20-05 1935	1 of per COC

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: CMB Date: 9-26-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

ISI 210139

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0010947-001

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

55728

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Maxim Technologies	Greg Pope	09/15/2005	
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 HH1-1 Remediation	FEDEX / 853458132618		
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	GC8021 BTEX	ICCL Chloride
Discharge	9/20/05	1335	WATER	40mL	VIAL	4	1:1 HCL	4.2°/IT/9-21-05	X	
Discharge	9/20/05	1335	WATER	250mL	PLASTIC	1	None	See COC Add		X
TRIP BLANK	9/20/05	1430	WATER	40mL	VIAL	2	1:1 HCL	↓	X	

Special Instructions: 8021 BTEX; 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: [signature]	9/20/05	1500	1. Received By: [signature]	9-21-05	0755
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

20/20

SEVERN TRENT STL

Certificate of Analysis

STL Austin • 14046 Summit Drive, 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 #: I5H260176

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler

Carla M. Butler
Project Manager

September 16, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5H260176**

This report contains the analytical results for the **two** samples received under chain of custody by Severn Trent Laboratories (STL) on August 26, 2005. These samples are associated with your **3374** Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5H260176

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE 08/24/05 13:05 001				
Benzene	25	1.0	ug/L	SW846 8021B
Ethylbenzene	6.2	1.0	ug/L	SW846 8021B
Toluene	18	1.0	ug/L	SW846 8021B
Xylenes (total)	12	3.0	ug/L	SW846 8021B
Chloride	118	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5H260176

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5H260176

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5H260176

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HJA6R	001	DISCHARGE	08/24/05	13:05
HJA7A	002	TRIP BLANK	08/25/05	15:00

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

I5H260176

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5259181	5259101
	WATER	SW846 8021B		5250360	5250214
002	WATER	SW846 8021B		5250360	5250214

ConocoPhillips Co.

Client Sample ID: DISCHARGE

GC Volatiles

Lot-Sample #...: I5H260176-001 **Work Order #...:** HJA6R1AA **Matrix.....:** WATER
Date Sampled...: 08/24/05 13:05 **Date Received..:** 08/26/05 08:20
Prep Date.....: 09/06/05 **Analysis Date..:** 09/06/05
Prep Batch #...: 5250360 **Analysis Time..:** 20:16
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	25	1.0	ug/L
Ethylbenzene	6.2	1.0	ug/L
Toluene	18	1.0	ug/L
Xylenes (total)	12	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	123	(73 - 135)

ConocoPhillips Co.

Client Sample ID: DISCHARGE

General Chemistry

Lot-Sample #...: I5H260176-001 **Work Order #...:** HJA6R **Matrix.....:** WATER
Date Sampled...: 08/24/05 13:05 **Date Received..:** 08/26/05 08:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	118	50.0	mg/L	MCAWW 300.0A	09/15/05	5259181

Dilution Factor: 50 Analysis Time..: 11:07

ConocoPhillips Co.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5H260176-002 **Work Order #...:** HJA7A1AA **Matrix.....:** WATER
Date Sampled...: 08/25/05 15:00 **Date Received..:** 08/26/05 08:20
Prep Date.....: 09/06/05 **Analysis Date..:** 09/06/05
Prep Batch #...: 5250360 **Analysis Time..:** 20:47
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)	102	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5H260176 **Work Order #...:** HJ4AT1AA **Matrix.....:** WATER
MB Lot-Sample #: I5I070000-360

Prep Date.....: 09/06/05 **Analysis Time..:** 18:12
Analysis Date..: 09/06/05 **Prep Batch #...:** 5250360
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	108	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5H260176 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HKN6P1AA		MB Lot-Sample #:	I5I160000-181	
	ND	1.0	mg/L	MCAWW 300.0A	09/15/05	5259181
		Dilution Factor: 1				
		Analysis Time..: 08:20				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5H260176 **Work Order #...:** HJ4AT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5I070000-360 HJ4AT1AD-LCSD
Prep Date.....: 09/06/05 **Analysis Date..:** 09/06/05
Prep Batch #...: 5250360 **Analysis Time..:** 17:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**104**	**(85 - 115)**			**SW846 8021B**
	102	**(85 - 115)**	**1.6**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**109**	**(85 - 115)**			**SW846 8021B**
	107	**(85 - 115)**	**2.0**	**(0-20)**	**SW846 8021B**
Toluene	**109**	**(85 - 115)**			**SW846 8021B**
	106	**(85 - 115)**	**2.1**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**107**	**(85 - 115)**			**SW846 8021B**
	104	**(85 - 115)**	**2.3**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(85 - 111)
	110	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	107	(84 - 114)
	106	(84 - 114)

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 #...: I5H260176 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HKN6P1AC	LCS Lot-Sample#: I5I160000-181		
	92	(90 - 110)	MCAWW 300.0A	09/15/05	5259181
		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 #...: I5H260176 **Work Order #...:** HJCH01AD-MS **Matrix.....:** WATER
MS Lot-Sample #: I5H260216-001 HJCH01AE-MSD
Date Sampled...: 08/25/05 09:30 **Date Received..:** 08/26/05 08:20
Prep Date.....: 09/06/05 **Analysis Date..:** 09/07/05
Prep Batch #...: 5250360 **Analysis Time..:** 11:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(85 - 115)**			**SW846 8021B**
	80 a	**(85 - 115)**	**11**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**89**	**(85 - 115)**			**SW846 8021B**
	73 a	**(85 - 115)**	**19**	**(0-20)**	**SW846 8021B**
Toluene	**92**	**(85 - 115)**			**SW846 8021B**
	82 a	**(85 - 115)**	**12**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**92**	**(85 - 115)**			**SW846 8021B**
	86	**(85 - 115)**	**7.0**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(81 - 119)
	109	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	105	(73 - 135)
	104	(73 - 135)

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

General Chemistry

Client Lot #...: I5H260176 **Matrix.....:** WATER
Date Sampled...: 08/26/05 10:56 **Date Received..:** 08/27/05 10:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HJERW1CE-MS/HJERW1CF-MSD			MS Lot-Sample #: I5H270143-001		
	95	(90 - 110)			MCAWW 300.0A	09/15/05	5259181
	95	(90 - 110)	0.21	(0-20)	MCAWW 300.0A	09/15/05	5259181
		Dilution Factor: 1					
		Analysis Time..: 08:59					

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 requirments of NELAC. 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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I5H260176

RECEIVED BY: BJ

COC NUMBER:

DATE/TIME RECEIVED: 8/26/05 0820

QUOTE/PROFILE: 56072

UNPACKED DATE/TIME: 8/26/05 0955

CLIENT/PROJECT: Matrix

SAMPLES LOGGED IN: LT

LOG-IN REVIEWED:

Number of Shipping Containers Received with Chain of Custody 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: BJ

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

Custody Seal Present: ☑ YES ☐ NO Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: BJ **IR THERMOMETER #:** P-5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 2.2	SC	SC	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 **VERIFIED BY:** BJ

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

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** _____

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: ☐ 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: _____ Date: 9-13-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

ISH2601176

54905

hain of Custody ecord

CHAIN OF CUSTODY NUMBER
$8010947-001

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

4149 (1202)

nt tin Technologies	Project Manager Greg Pope	Date 08/12/2005	Page 1 of 1
ress)3 W Industrial Ave	Telephone Number (Area Code)/Fax Number (432) 686-8081 / (000)	Lab Location STL Austin	Analysis
land / State: TX / Zip Code: 79701	Site Contact Greg Pope		
ect Number/Name '4 Line NM1-1 Remediation	Carrier/Waybill Number FEDEX / 852778471466		
tract/Purchase Order/Quote Number NTRACT / PURCHASE ORDER # : 3374NAX007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC8021 BTEX	ICCL Chloride
DISCHARGE	8/24/05	1305	WATER	40mL	VIAL	4	1:1 HCL	2.2° 8/26/05 BB	X	
DISCHARGE	8/24/05	1305	WATER	250mL	PLASTIC	1	None	Good		X
TRIP BLANK	8/25/05	1500	WATER	40mL	VIAL	2	1:1 HCL		X	

Special Instructions: 8021 BTEX; 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
Relinquished By	8/25/05	1530	1. Received By	8/26/05	0820
Relinquished By			2. Received By		
Relinquished By			3. Received By		

Comments

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

20/20

SEVERN TRENT STL

STL Austin • 14046 Summit Drive, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

Certificate of Analysis

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: I5G210125

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

July 29, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5G210125**

This report contains the analytical results for the two samples received under chain of custody by Severn Trent Laboratories (STL) on July 21, 2005. These samples are associated with your 3374 Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5G210125

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EFFLUENT WATER 07/20/05 14:00 001				
Chloride	119	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5G210125

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5G210125

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5G210125

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HFX5T	001	EFFLUENT WATER	07/20/05	14:00
HFX50	002	TRIP BLANK	07/20/05	14:30

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

I5G210125

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5208386	5208237
	WATER	SW846 8021B		5209429	5209263
002	WATER	SW846 8021B		5209429	5209263

ConocoPhillips Co.

Client Sample ID: EFFLUENT WATER

GC Volatiles

Lot-Sample #...: I5G210125-001 Work Order #...: HFX5T1AA Matrix.....: WATER
Date Sampled...: 07/20/05 14:00 Date Received..: 07/21/05 08:00
Prep Date.....: 07/26/05 Analysis Date..: 07/26/05
Prep Batch #...: 5209429 Analysis Time..: 20:32
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	94	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

ConocoPhillips Co.

Client Sample ID: EFFLUENT WATER

General Chemistry

Lot-Sample #...: I5G210125-001 Work Order #...: HFX5T Matrix.....: WATER
Date Sampled...: 07/20/05 14:00 Date Received..: 07/21/05 08:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	119	20.0	mg/L	MCAWW 300.0A	07/27/05	5208386

Dilution Factor: 20 Analysis Time..: 08:43

ConocoPhillips Co.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5G210125-002 **Work Order #...:** HFX501AA **Matrix.....:** WATER
Date Sampled...: 07/20/05 14:30 **Date Received..:** 07/21/05 08:00
Prep Date.....: 07/26/05 **Analysis Date..:** 07/26/05
Prep Batch #...: 5209429 **Analysis Time..:** 19:05
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	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G210125 **Work Order #...:** HGGGX1AA **Matrix.....:** WATER
MB Lot-Sample #: I5G280000-429
Prep Date.....: 07/26/05 **Analysis Time..:** 14:32
Analysis Date..: 07/26/05 **Prep Batch #...:** 5209429
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	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5G210125 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HGDL51AA		MB Lot-Sample #:	I5G270000-386	
	ND	1.0	mg/L	MCAWW 300.0A	07/27/05	5208386
		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 #...: I5G210125 **Work Order #...:** HGGGX1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5G280000-429 HGGGX1AD-LCSD
Prep Date.....: 07/26/05 **Analysis Date..:** 07/26/05
Prep Batch #...: 5209429 **Analysis Time..:** 13:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(85 - 115)**			**SW846 8021B**
	87	**(85 - 115)**	**7.1**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**113**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**9.2**	**(0-20)**	**SW846 8021B**
Toluene	**101**	**(85 - 115)**			**SW846 8021B**
	96	**(85 - 115)**	**6.0**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**108**	**(85 - 115)**			**SW846 8021B**
	101	**(85 - 115)**	**7.4**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(85 - 111)
	105	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	103	(84 - 114)
	101	(84 - 114)

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 #...: I5G210125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HGDL51AC	LCS Lot-Sample#: I5G270000-386		
	95	(90 - 110)	MCAWW 300.0A	07/27/05	5208386

Dilution Factor: 1 Analysis Time..: 08:31

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5G210125 **Work Order #...:** HFX5T1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G210125-001 HFX5T1AE-MSD
Date Sampled...: 07/20/05 14:00 **Date Received..:** 07/21/05 08:00
Prep Date.....: 07/26/05 **Analysis Date..:** 07/27/05
Prep Batch #...: 5209429 **Analysis Time..:** 10:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**87**	**(85 - 115)**			**SW846 8021B**
	87	**(85 - 115)**	**0.07**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**106**	**(85 - 115)**			**SW846 8021B**
	104	**(85 - 115)**	**2.1**	**(0-20)**	**SW846 8021B**
Toluene	**97**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**1.6**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**100**	**(85 - 115)**			**SW846 8021B**
	100	**(85 - 115)**	**0.74**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(81 - 119)
	94	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	105	(73 - 135)
	104	(73 - 135)

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 #...: I5G210125 **Matrix.....:** WATER
Date Sampled...: 07/19/05 09:00 **Date Received..:** 07/21/05 08:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HFX571AH-MS/HFX571AJ-MSD				MS Lot-Sample #: I5G210131-001	
	98	(90 - 110)			MCAWW 300.0A	07/27/05	5208386
	101	(90 - 110)	1.2	(0-20)	MCAWW 300.0A	07/27/05	5208386

Dilution Factor: 1
Analysis Time..: 09:09

NOTE(S):

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

Report Attachment

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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN–OF–CUSTODY ADDENDUM

Lot No: I5G210125

RECEIVED BY: BJ

COC NUMBER: _____

DATE/TIME RECEIVED: 7/21/05 0800

QUOTE/PROFILE: 56072 /

UNPACKED DATE/TIME: 7/21/05 0830

CLIENT/PROJECT: Marion

SAMPLES LOGGED IN: BJ

LOG-IN REVIEWED: LT

Number of Shipping Containers Received with Chain of Custody 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: BJ

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

Custody Seal Present: ☑ YES ☐ NO Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: BJ **IR THERMOMETER #:** P-5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
(SC) 4°C	SC	SC	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 **VERIFIED BY:** BJ

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

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** BJ

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:	☐ 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: _____ Date: 7-29-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

I5621012S

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0010947-001

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

39922

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Maxim Technologies	Greg Pope	07/13/2005	
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 MM1-1 Remediation			
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374MAI007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC8021	ICCL
Effluent Water	7/20/05	1400	WATER	40mL	VIAL	4	1:1 HCL	4° 7/21/05 BG	X	
Effluent WATER	7/20/05	1400	WATER	250mL	PLASTIC	1	None	Good		X
TRIP BLANK	7/20/05	1430	WATER	40mL	VIAL	2	1:1 HCL		X	

Special Instructions: 8021 BTEX; Chloride

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other _____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Relinquished By	Date	Time	Received By	Date	Time
1.	Jason Graham	7/20/05	1445	Bill Jenkins	7/21/05	0800
2.						
3.						

Comments

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

20/20

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ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: I5G010124

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler

Carla M. Butler
Project Manager

July 11, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: I5G010124

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

July 11, 2005

Case Narrative

STL LOT NUMBER: I5G010124

This report contains the analytical results for the **two** samples received under chain of custody by Severn Trent Laboratories (STL) on July 1, 2005. These samples are associated with your **3374** Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5G010124

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE 06/29/05 13:00 001				
Chloride	124	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5G010124

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5G010124

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5G010124

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HEQ0T	001	DISCHARGE	06/29/05	13:00
HEQ01	002	TRIP BLANK	06/29/05	13:30

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

I5G010124

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5187282	5187144
	WATER	SW846 8021B		5187147	5187087
002	WATER	SW846 8021B		5187147	5187087

ConocoPhillips Co.

Client Sample ID: DISCHARGE

GC Volatiles

Lot-Sample #...: I5G010124-001 **Work Order #...:** HEQ0T1AA **Matrix.....:** WATER
Date Sampled...: 06/29/05 13:00 **Date Received..:** 07/01/05 08:00
Prep Date.....: 07/05/05 **Analysis Date..:** 07/05/05
Prep Batch #...: 5187147 **Analysis Time..:** 17:50
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	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	105	(73 - 135)

ConocoPhillips Co.

Client Sample ID: DISCHARGE

General Chemistry

Lot-Sample #...: I5G010124-001 **Work Order #...: HEQ0T** **Matrix.....: WATER**
Date Sampled...: 06/29/05 13:00 **Date Received..: 07/01/05 08:00**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	124	20.0	mg/L	MCAWW 300.0A	07/06/05	5187282

Dilution Factor: 20 Analysis Time..: 09:23

ConocoPhillips Co.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5G010124-002 Work Order #...: HEQ011AA Matrix.....: WATER
Date Sampled...: 06/29/05 13:30 Date Received..: 07/01/05 08:00
Prep Date.....: 07/05/05 Analysis Date..: 07/05/05
Prep Batch #...: 5187147 Analysis Time..: 18:20
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	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5G010124 **Work Order #...:** HEW981AA **Matrix.....:** WATER
MB Lot-Sample #: I5G060000-147
Prep Date.....: 07/05/05 **Analysis Time..:** 11:42
Analysis Date..: 07/05/05 **Prep Batch #...:** 5187147
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	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5G010124 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HEXWA1AA		MB Lot-Sample #:	I5G060000-282	
	ND G	1.0	mg/L	MCAWW 300.0A	07/06/05	5187282
		Dilution Factor: 1				
		Analysis Time..: 08:57				

NOTE(S):

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

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5G010124 **Work Order #...:** HEW981AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5G060000-147 HEW981AD-LCSD
Prep Date.....: 07/05/05 **Analysis Date..:** 07/05/05
Prep Batch #...: 5187147 **Analysis Time..:** 10:31
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**2.3**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**97**	**(85 - 115)**			**SW846 8021B**
	97	**(85 - 115)**	**0.11**	**(0-20)**	**SW846 8021B**
Toluene	**100**	**(85 - 115)**			**SW846 8021B**
	99	**(85 - 115)**	**0.93**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**97**	**(85 - 115)**			**SW846 8021B**
	97	**(85 - 115)**	**0.23**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	101	(84 - 114)
	99	(84 - 114)

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 #...: I5G010124 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HEXWA1AC	LCS Lot-Sample#: I5G060000-282		
	96	(90 - 110)	MCAWW 300.0A	07/06/05	5187282

Dilution Factor: 1 Analysis Time..: 09:10

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5G010124 **Work Order #...:** HEQ0T1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: I5G010124-001 HEQ0T1AE-MSD
Date Sampled...: 06/29/05 13:00 **Date Received..:** 07/01/05 08:00
Prep Date.....: 07/05/05 **Analysis Date..:** 07/05/05
Prep Batch #...: 5187147 **Analysis Time..:** 19:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**92**	**(85 - 115)**			**SW846 8021B**
	92	**(85 - 115)**	**0.12**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**93**	**(85 - 115)**			**SW846 8021B**
	92	**(85 - 115)**	**0.47**	**(0-20)**	**SW846 8021B**
Toluene	**94**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**0.75**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**92**	**(85 - 115)**			**SW846 8021B**
	93	**(85 - 115)**	**0.90**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(73 - 135)
	104	(73 - 135)

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 #...: I5G010124 **Matrix.....:** WATER
Date Sampled...: 06/29/05 13:00 **Date Received..:** 07/01/05 08:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HEQ0T1AF-MS/HEQ0T1AG-MSD				MS Lot-Sample #: I5G010124-001	
	84 N	(90 - 110)			MCAWW 300.0A	07/06/05	5187282
	79 N	(90 - 110)	1.8	(0-20)	MCAWW 300.0A	07/06/05	5187282
		Dilution Factor: 1					
		Analysis Time..: 09:36					

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

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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I5G010124

RECEIVED BY: BJ

COC NUMBER: _____

DATE/TIME RECEIVED: 7/1/05 0800

QUOTE/PROFILE: 56072 ✓

UNPACKED DATE/TIME: 7/1/05 0840

CLIENT/PROJECT: Marin

SAMPLES LOGGED IN: BJ

LOG-IN REVIEWED: LT

Number of Shipping Containers Received with Chain of Custody 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: BJ

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

Custody Seal Present: ☑ YES ☐ NO — Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: BJ **IR THERMOMETER #:** P-4

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
(SC) 4°C	SC	SC	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 **VERIFIED BY:** BJ

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

4.0 CONDITION OF BOTTLES/CONTAINERS VERIFIED BY: BF

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: ☐ 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: CJB Date: 7-11-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

ISG010124 By

CHAIN OF CUSTODY NUMBER
$0010947-001

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

39245

STL4149 (1202)

Client	Project Manager	Date
Marin Technologies	Greg Pope	06/08/2005
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 MM1-1 Remediation	FEDEX / 851306426331	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAX007	QUOTE: 56072	

Page 1 of 1

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC8021	Analysis: ICCL
. DISCHARGE	6-29-05	1300	WATER	40mL	VIAL	4	1:1 HCL	4°C 7/1/05 BJ Good	X	
. DISCHARGE	6.29.05	1300	WATER	250mL	PLASTIC	1	None			X
. TRIP BLANK .	6.29.05	1330	WATER	40mL	VIAL	2	1:1 HCL		X	

Special Instructions: 8021 BTEX; Chloride

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other ____

QC Level: [X] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	6/30/05	1430	1. Received By Bill	7/1/05	0800
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

21/21

SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: I5E260209

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla Butler

Carla M. Butler
Project Manager

June 7, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5E260209**

This report contains the analytical results for the two samples received under chain of custody by Severn Trent Laboratories (STL) on May 26, 2005. These samples are associated with your 3374 Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5E260209

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE 05/24/05 12:30 001				
Chloride	140	20.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5E260209

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5E260209

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5E260209

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HCDKW	001	DISCHARGE	05/24/05	12:30
HCDK2	002	TRIP BLANK	05/24/05	13:00

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

I5E260209

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5153195	5153130
	WATER	SW846 8021B		5157353	5157281
002	WATER	SW846 8021B		5157353	5157281

ConocoPhillips Co.

Client Sample ID: DISCHARGE

GC Volatiles

Lot-Sample #...: I5E260209-001 **Work Order #...:** HCDKW1AA **Matrix.....:** WATER
Date Sampled...: 05/24/05 12:30 **Date Received..:** 05/26/05 07:50
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5157353 **Analysis Time..:** 20:58
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	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ConocoPhillips Co.

Client Sample ID: DISCHARGE

General Chemistry

Lot-Sample #...: I5E260209-001 Work Order #...: HCDKW Matrix.....: WATER
Date Sampled...: 05/24/05 12:30 Date Received..: 05/26/05 07:50

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	140	20.0	mg/L	MCAWW 300.0A	06/02/05	5153195

Dilution Factor: 20 Analysis Time..: 10:02

ConocoPhillips Co.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5E260209-002 Work Order #...: HCDK21AA Matrix.....: WATER
Date Sampled...: 05/24/05 13:00 Date Received..: 05/26/05 07:50
Prep Date.....: 06/02/05 Analysis Date..: 06/02/05
Prep Batch #...: 5157353 Analysis Time..: 21:26
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)	94	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5E260209 **Work Order #...:** HC14C1AA **Matrix.....:** WATER
MB Lot-Sample #: I5F060000-353
Prep Date.....: 06/02/05 **Analysis Time..:** 13:07
Analysis Date..: 06/02/05 **Prep Batch #...:** 5157353
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	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5E260209 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HCQPF1AA		MB Lot-Sample #:	I5F020000-195	
	ND	1.0	mg/L	MCAWW 300.0A	06/02/05	5153195
		Dilution Factor: 1				
		Analysis Time..: 08:06				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5E260209 **Work Order #...:** HC14C1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5F060000-353 HC14C1AD-LCSD
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5157353 **Analysis Time..:** 10:26
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**0.34**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**106**	**(85 - 115)**			**SW846 8021B**
	106	**(85 - 115)**	**0.69**	**(0-20)**	**SW846 8021B**
Toluene	**107**	**(85 - 115)**			**SW846 8021B**
	105	**(85 - 115)**	**2.5**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**108**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**4.5**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(85 - 111)
	100	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	98	(84 - 114)
	97	(84 - 114)

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 #...: I5E260209 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HCQPF1AC LCS Lot-Sample#: I5F020000-195			
	100	(90 - 110)	MCAWW 300.0A	06/02/05	5153195
		Dilution Factor: 1	Analysis Time..: 08:19		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5E260209 **Work Order #...:** HCDK21AC-MS **Matrix.....:** WATER
MS Lot-Sample #: I5E260209-002 HCDK21AD-MSD
Date Sampled...: 05/24/05 13:00 **Date Received..:** 05/26/05 07:50
Prep Date.....: 06/02/05 **Analysis Date..:** 06/02/05
Prep Batch #...: 5157353 **Analysis Time..:** 22:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(85 - 115)**			**SW846 8021B**
	91	**(85 - 115)**	**0.25**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**99**	**(85 - 115)**			**SW846 8021B**
	100	**(85 - 115)**	**0.25**	**(0-20)**	**SW846 8021B**
Toluene	**99**	**(85 - 115)**			**SW846 8021B**
	99	**(85 - 115)**	**0.05**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**97**	**(85 - 115)**			**SW846 8021B**
	98	**(85 - 115)**	**0.26**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)
	92	(73 - 135)

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 #...: I5E260209 **Matrix.....:** WATER
Date Sampled...: 05/24/05 12:53 **Date Received..:** 05/25/05 10:20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HCCFF1AG-MS/HCCFF1AH-MSD				MS Lot-Sample #: I5E260103-006	
	99	(90 - 110)			MCAWW 300.0A	06/02/05	5153195
	100	(90 - 110)	0.19	(0-20)	MCAWW 300.0A	06/02/05	5153195
		Dilution Factor: 200					
		Analysis Time..: 12:24					

NOTE(S):

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

Report Attachment

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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN-OF-CUSTODY ADDENDUM

Lot No: ISE260209

RECEIVED BY: BJ

COC NUMBER:

DATE/TIME RECEIVED: 5/26/05 0750

QUOTE/PROFILE: 56072

UNPACKED DATE/TIME: 5/26/05 1100

CLIENT/PROJECT: Maxim Tech

SAMPLES LOGGED IN: BJ

LOG-IN REVIEWED: DW

Number of Shipping Containers Received with Chain of Custody: 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: BJ

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO

Packing Material Used: (circle)

None / Absorbent / Paper / Bubble Wrap

Samples Received Match Chain: ☐ YES ☐ NO

Other Equipment Received: ☐ YES ☐ NO

See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: BJ **IR THERMOMETER #:** P-5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
(SC) 2.-	SC	SC	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 **VERIFIED BY:** BJ

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

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** BJ

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:

_____

_____

_____

_____

_____

_____

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: CMB Date: 6-7-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

I5E260209

CHAIN OF CUSTODY NUMBER

$0010947-001

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

46783

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Navin Technologies	Greg Pope	05/04/2005	
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 / 851306428676		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374NAI007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC8021	ICCL
. DISCHARGE	5/24/05	1230	WATER	40mL	VIAL	4	1:1 HCL	2°C 5/26/05 BG 6030	X	
. DISCHARGE	5/24/05	1230	WATER	250mL	PLASTIC	1	None			X
TRIP BLANK	5/25/05	1300	WATER	40mL	VIAL	2	1:1 HCL		X	

Special Instructions: 8021 BTEX; 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	5/25/05	1330	1. Received By	5/26/05	0750
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

20/20

SEVERN TRENT STL

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Certificate of Analysis

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM O&M

3374 Line NM1-1 Remediation

Lot #: ISD200297

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

May 4, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5D200297**

This report contains the analytical results for the **two** samples received under chain of custody by Severn Trent Laboratories (STL) on April 20, 2005. These samples are associated with your **3374** Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5D200297

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE 04/19/05 16:15 001				
Chloride	155	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5D200297

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5D200297

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5D200297

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G8Q5C	001	DISCHARGE	04/19/05	16:15
G8Q5J	002	TRIP BLANK	04/19/05	16:20

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

I5D200297

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5119448	5119292
	WATER	SW846 8021B		5116316	5116196
002	WATER	SW846 8021B		5116316	5116196

ConocoPhillips Co.

Client Sample ID: DISCHARGE

GC Volatiles

Lot-Sample #...: I5D200297-001 Work Order #...: G8Q5C1AA Matrix.....: WATER
Date Sampled...: 04/19/05 16:15 Date Received..: 04/20/05 09:00
Prep Date.....: 04/25/05 Analysis Date..: 04/25/05
Prep Batch #...: 5116316 Analysis Time..: 20:41
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	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

ConocoPhillips Co.

Client Sample ID: DISCHARGE

General Chemistry

Lot-Sample #...: I5D200297-001 Work Order #...: G8Q5C Matrix.....: WATER
Date Sampled...: 04/19/05 16:15 Date Received..: 04/20/05 09:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	155	50.0	mg/L	MCAWW 300.0A	04/29/05	5119448

Dilution Factor: 50 Analysis Time..: 12:21

ConocoPhillips Co.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5D200297-002 **Work Order #...:** G8Q5J1AA **Matrix.....:** WATER
Date Sampled...: 04/19/05 16:20 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116316 **Analysis Time..:** 21:09
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	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5D200297 **Work Order #...:** G87AT1AA **Matrix.....:** WATER
MB Lot-Sample #: I5D260000-316

Prep Date.....: 04/25/05 **Analysis Time..:** 12:08
Analysis Date..: 04/25/05 **Prep Batch #...:** 5116316
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	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5D200297 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G9JF31AA		MB Lot-Sample #:	I5D290000-448	
	ND	1.0	mg/L	MCAWW 300.0A	04/29/05	5119448
		Dilution Factor: 1				
		Analysis Time..: 08:29				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5D200297 **Work Order #...:** G87AT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5D260000-316 G87AT1AD-LCSD
Prep Date.....: 04/25/05 **Analysis Date..:** 04/25/05
Prep Batch #...: 5116316 **Analysis Time..:** 11:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(85 - 115)**			**SW846 8021B**
	107	**(85 - 115)**	**4.2**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**99**	**(85 - 115)**			**SW846 8021B**
	103	**(85 - 115)**	**3.9**	**(0-20)**	**SW846 8021B**
Toluene	**100**	**(85 - 115)**			**SW846 8021B**
	104	**(85 - 115)**	**3.4**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**100**	**(85 - 115)**			**SW846 8021B**
	104	**(85 - 115)**	**3.8**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(85 - 111)
	103	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	98	(84 - 114)
	99	(84 - 114)

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 #...: I5D200297 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G9JF31AC	LCS Lot-Sample#: I5D290000-448		
	96	(90 - 110)	MCAWW 300.0A	04/29/05	5119448

Dilution Factor: 1 Analysis Time..: 08:42

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5D200297 **Work Order #...:** G8QC81DG-MS **Matrix.....:** WATER
MS Lot-Sample #: I5D200203-001 G8QC81DH-MSD
Date Sampled...: 04/19/05 08:30 **Date Received..:** 04/20/05 09:00
Prep Date.....: 04/25/05 **Analysis Date..:** 04/26/05
Prep Batch #...: 5116316 **Analysis Time..:** 01:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(85 - 115)**			**SW846 8021B**
	114	**(85 - 115)**	**3.2**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**110**	**(85 - 115)**			**SW846 8021B**
	113	**(85 - 115)**	**3.1**	**(0-20)**	**SW846 8021B**
Toluene	**114**	**(85 - 115)**			**SW846 8021B**
	118 a	**(85 - 115)**	**3.2**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**110**	**(85 - 115)**			**SW846 8021B**
	114	**(85 - 115)**	**2.7**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(81 - 119)
	105	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	110	(73 - 135)
	124	(73 - 135)

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

General Chemistry

Client Lot #...: I5D200297 **Matrix.....:** WATER
Date Sampled...: 04/21/05 07:35 **Date Received..:** 04/21/05 14:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: G8X9N1CP-MS/G8X9N1CQ-MSD				MS Lot-Sample #: I5D220153-001	
	96	(90 - 110)			MCAWW 300.0A	04/29/05	5119448
	95	(90 - 110)	0.60	(0-20)	MCAWW 300.0A	04/29/05	5119448
		Dilution Factor: 1					
		Analysis Time..: 09:08					

NOTE(S):

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

Report Attachment

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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT **STL**

CHAIN–OF–CUSTODY ADDENDUM

Lot No: ISD200297

RECEIVED BY: BTL

COC NUMBER: _____

DATE/TIME RECEIVED: 4-20-05 0900

QUOTE/PROFILE: 56072

UNPACKED DATE/TIME: 4-20-05 1100

CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: CC

LOG-IN REVIEWED: BT

Number of Shipping Containers Received with Chain of Custody: 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: 1 C

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

Custody Seal Present: ☑ YES ☐ NO — Containers checked for radioactivity: ☐ YES ☐ NO ☐ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: IC **IR THERMOMETER #:** 05

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 0.2°C	SC	SC	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 **VERIFIED BY:** _____

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

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** CC

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:

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: CMB Date: 5-4-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

I5D200297

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$0010947-001

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

45662

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 1
Maxim Technologies	Greg Pope	04/12/2005	
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 MM1-1 Remediation	FEDEX		
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # : 3374MAX007		QUOTE: 56072	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	GC8021	ICCLIL
DISCHARGE	4-19-05	1615	WATER	40mL	VIAL	4	1:1 HCL	2°c 4-20-05 cc	X	
DISCHARGE	4-19-05	1615	WATER	250mL	PLASTIC	1	None			X
TRIP BLANK	4-19-05	1620	WATER	40mL	VIAL	2	1:1 HCL		X	

Special Instructions: 8021 BTEX; Chloride

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other ____

QC Level: [X] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	4/19/05	1620	1. Received By	4-20-05	0900
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

20/20

SEVERN TRENT STL

Certificate of Analysis

STL Austin • 14046 Summit Drive, 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 #: I5C250156

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

April 1, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I5C250156**

This report contains the analytical results for the **two** samples received under chain of custody by Severn Trent Laboratories (STL) on March 25, 2005. These samples are associated with your **3374** Line NM1-1 Remediation project.

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

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) 244-0855.

EXECUTIVE SUMMARY - Detection Highlights

I5C250156

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DISCHARGE 03/23/05 11:45 001				
Chloride	147	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I5C250156

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Purge and trap	SW846 5030B	SW846 8021B

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

I5C250156

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	David A. Tocher	800002
SW846 8021B	Kai Allen	402013

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

I5C250156

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G62D6	001	DISCHARGE	03/23/05	11:45
G62E9	002	TRIP BLANK	03/23/05	12:00

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

ISC250156

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5088366	5088186
	WATER	SW846 8021B		5089190	5089121
002	WATER	SW846 8021B		5089190	5089121

ConocoPhillips

Client Sample ID: DISCHARGE

GC Volatiles

Lot-Sample #...: I5C250156-001 **Work Order #...:** G62D61AA **Matrix.....:** WATER
Date Sampled...: 03/23/05 11:45 **Date Received..:** 03/25/05 08:00
Prep Date.....: 03/29/05 **Analysis Date..:** 03/29/05
Prep Batch #...: 5089190 **Analysis Time..:** 21:47
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	(73 - 135)

ConocoPhillips

Client Sample ID: DISCHARGE

General Chemistry

Lot-Sample #...: I5C250156-001 **Work Order #...:** G62D6 **Matrix.....:** WATER
Date Sampled...: 03/23/05 11:45 **Date Received..:** 03/25/05 08:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	147	50.0	mg/L	MCAWW 300.0A	03/29/05	5088366

Dilution Factor: 50 Analysis Time..: 16:59

ConocoPhillips

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I5C250156-002 **Work Order #...:** G62E91AA **Matrix.....:** WATER
Date Sampled...: 03/23/05 12:00 **Date Received..:** 03/25/05 08:00
Prep Date.....: 03/29/05 **Analysis Date..:** 03/29/05
Prep Batch #...: 5089190 **Analysis Time..:** 21:18
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	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5C250156 **Work Order #...:** G7ACD1AE **Matrix.....:** WATER
MB Lot-Sample #: I5C300000-190

Prep Date.....: 03/29/05 **Analysis Time..:** 12:45
Analysis Date..: 03/29/05 **Prep Batch #...:** 5089190
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)	97	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5C250156 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G68L11AA		MB Lot-Sample #:	I5C290000-366	
	ND	1.0	mg/L	MCAWW 300.0A	03/29/05	5088366
		Dilution Factor: 1				
		Analysis Time..: 08:48				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5C250156 **Work Order #...:** G7ACD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I5C300000-190 G7ACD1AD-LCSD
Prep Date.....: 03/29/05 **Analysis Date..:** 03/29/05
Prep Batch #...: 5089190 **Analysis Time..:** 11:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**99**	**(85 - 115)**			**SW846 8021B**
	99	**(85 - 115)**	**0.070**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**94**	**(85 - 115)**			**SW846 8021B**
	94	**(85 - 115)**	**0.28**	**(0-20)**	**SW846 8021B**
Toluene	**94**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**1.1**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**95**	**(85 - 115)**			**SW846 8021B**
	95	**(85 - 115)**	**0.13**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(85 - 111)
	104	(85 - 111)
a,a,a-Trifluorotoluene **(TFT)**	101	(84 - 114)
	101	(84 - 114)

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 #...: I5C250156 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G68L11AC	LCS Lot-Sample#: I5C290000-366		
	95	(90 - 110)	MCAWW 300.0A	03/29/05	5088366
		Dilution Factor: 1	Analysis Time..: 09:01		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I5C250156 **Work Order #...:** G62KX1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: I5C250186-001 G62KX1AG-MSD
Date Sampled...: 03/24/05 17:30 **Date Received..:** 03/25/05 08:00
Prep Date.....: 03/29/05 **Analysis Date..:** 03/30/05
Prep Batch #...: 5089190 **Analysis Time..:** 10:20
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**131 a**	**(85 - 115)**			**SW846 8021B**
	124 a	**(85 - 115)**	**5.4**	**(0-20)**	**SW846 8021B**
Ethylbenzene	**128 a**	**(85 - 115)**			**SW846 8021B**
	119 a	**(85 - 115)**	**7.5**	**(0-20)**	**SW846 8021B**
Toluene	**128 a**	**(85 - 115)**			**SW846 8021B**
	119 a	**(85 - 115)**	**6.8**	**(0-20)**	**SW846 8021B**
Xylenes (total)	**130 a**	**(85 - 115)**			**SW846 8021B**
	120 a	**(85 - 115)**	**7.8**	**(0-20)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)
	100	(73 - 135)

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

General Chemistry

Client Lot #...: I5C250156 **Matrix.....:** WATER
Date Sampled...: 03/23/05 11:50 **Date Received..:** 03/24/05 08:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: G63J21CD-MS/G63J21CE-MSD				MS Lot-Sample #: I5C250307-001	
	93	(90 - 110)			MCAWW 300.0A	03/29/05	5088366
	91	(90 - 110)	1.1	(0-20)	MCAWW 300.0A	03/29/05	5088366
		Dilution Factor: 100					
		Analysis Time..: 09:27					

NOTE(S):

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

Report Attachment

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.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
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 SQL (sample quantitation limit).

SEVERN TRENT STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I5C250156

RECEIVED BY: [signature]

COC NUMBER: _____

DATE/TIME RECEIVED: 3-25-05 0800

QUOTE/PROFILE: 56072

UNPACKED DATE/TIME: 3-25-05 0845

CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: CC

LOG-IN REVIEWED: BJ

Number of Shipping Containers Received with Chain of Custody 1

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: CC

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☐ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

Containers checked for radioactivity: ☐ YES ☐ NO ☑ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, 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: CC **IR THERMOMETER #:** 05

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB (SC) 2°C	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB 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 **VERIFIED BY:** CC

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

4.0 CONDITION OF BOTTLES/CONTAINERS VERIFIED BY: _____

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: ☐ 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: _____ Date: 4-1-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

ISC 250156

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
$4010947-001

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

45033

STL4149 (1202)

Client	Project Manager	Date
Marin Technologies	Greg Pope	03/08/2005
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 / 8493 0007 6418	
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # : 3374MAI007	QUOTE: 56072	

Page 1 of 1

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: GC 8021	Analysis: ICCL
DISCHARGE	3.23.05	1145	WATER	40mL	VIAL	4	1:1 HCL	2° 3-25-05 CC	X	
DISCHARGE	3.23.05	1145	WATER	250mL	PLASTIC	1	None			X
TRIP BLANK	3.23.05	1200	WATER	40mL	VIAL	2	1:1 HCL		X	

Special Instructions: 8021 BTEX; 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	3/24/05	1030	1. Received By	3-25-05	0800
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

20/20

APPENDIX C

Documentation of Disposal Activities

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. H28641

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner **Maxim Technologies (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 **August 24, 2005**

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* DEA

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 **65** 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**
32/686-80 81 By **Greg W. Pope (Maxim Technologies, Inc.)**	Address **418 S. Grimes, Hobbs, NM 88240**
Title **Project Manager**	Signature **Debra Wade**
E-mail Address **gwpope57@aol.com**	E-mail Address
Date **August 16, 2005**	Title **Dispatcher** Date **August 16, 2005**

OIL CONSERVATION DIVISION

Approved By Melba Morgan Title Business Operations Specialist Date 8/23/05

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-28828

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Maxim Technologies (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 November 3, 2005

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 100 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 (Maxim Technologies, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240	
Title Project Manager	Signature Debra Wade	
E-mail Address gwpope57@aol.com	E-mail Address	
Date November 1, 2005	Title Dispatcher	Date November 1, 2005

OIL CONSERVATION DIVISION

Approved By Mell Morgan Title Business Operations Specialist Date 11/1/2005

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)

faxed 12-30-05

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-28958

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Maxim Technologies (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 January 4, 2006

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 100 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 (Maxim Technologies, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240	
Title Project Manager	Signature Debra Wade	
E-mail Address gwpope57@aol.com	E-mail Address	
Date December 29, 2005	Title Dispatcher	Date December 29, 2005

OIL CONSERVATION DIVISION

Approved By Melba Moya Title Business Operations Specialist Date 12/30/2005

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)

Attn: Greg Pope

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-28989

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Maxim Technologies (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 January 11, 2006

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) Groundwater and Crude Oil From Redevelopment of Six (6) Groundwater Remediation Wells

VOLUME AND DESTINATION: Estimated Volume 140 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 (Maxim Technologies, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240
Title Project Manager	Signature Debra Wade
E-mail Address gwpope57@aol.com	E-mail Address
Date January 9, 2006	Title Dispatcher / Date January 9, 2006

OIL CONSERVATION DIVISION

Approved By Melba Morgan Title Business Operations Specialist Date 1/10/2006

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)