

AP - 015

ANNUAL MONITORING REPORT

YEAR(S):
2004 / 2005



Neal Goates
Site Manager
Risk Management & Remediation
Threadneedle Building
600 North Dairy Ashford
Houston, TX 77079-1175
phone 832.379.6427
fax 801-382-1674
neal.goates@conocophillips.com

March 31, 2005

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 2004 THROUGH FEBRUARY 2005
ConocoPhillips East Hobbs Junction (AP-15)
Hobbs, Lea County, New Mexico**

Dear Mr. Price:

Pursuant to operations and monitoring requirements for the East Hobbs Junction remediation site, please find one copy of the above referenced report for your review and concurrence. This report presents an annual summary of all site activities performed from March 2004 through February 2005 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,

A handwritten signature in black ink, appearing to read "Neal Goates", written over a horizontal line.

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 2004 THROUGH FEBRUARY 2005**

**CONOCOPHILLIPS
EAST HOBBS JUNCTION (AP-15)**

HOBBS, LEA COUNTY, NEW MEXICO

Prepared for:



Prepared By:

MAXIM Technologies
A DIVISION OF TETRA TECH, INC.

1703 W. Industrial Avenue
Midland, Texas 79701

March 31, 2005

March 31, 2005

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 2004 THROUGH FEBRUARY 2005
ConocoPhillips East Hobbs Junction
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 East Hobbs Junction remediation site (Site). The Site is located in Lea County, New Mexico (Sec 8, T19S, R38E; Figure 1), approximately one mile south of the city of Hobbs. This report is a summary of the following activities performed from March 2004 through February 2005:

- Groundwater Monitoring and Sampling
- Free Petroleum Hydrocarbon Gauging, Recovery and Disposal
- Soil Vapor Extraction and Air Sparging Systems Monitoring
- Remediation System Operation and Maintenance

During this time period, no new tanks were installed at the Site, and no system, process or facility modifications were performed which would alter the system design parameters. Four temporary groundwater monitoring wells were installed on the adjacent D.A. Cochran property to determine the nature and extent of petroleum hydrocarbon impacts to soil and groundwater in the vicinity of well MW-15. Two of the temporary wells were completed as permanent groundwater monitoring wells and two of the temporary wells were abandoned. Two temporary groundwater monitoring wells were also installed east of MW-8 to determine the nature and extent of petroleum hydrocarbon impacts to groundwater in this area. The results of these well installations are presented in Appendix A of this report.

This report also presents four quarters of groundwater monitoring data collected in April, July and October 2004, and January 2005.

BACKGROUND

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

Higgins and Associates, L.L.C. (H&A) of Centennial, Colorado performed the installation of the remediation system, initial startup procedures, system operation and maintenance, and required Site monitoring activities until September 2003. On September 24, 2003, Maxim assumed operation and maintenance of the system, and 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 2004). 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 WELL INSTALLATION AND SAMPLING

A total of six temporary groundwater monitoring wells were installed on the Site and adjacent property by Harrison and Cooper Drilling of Lubbock, Texas using a truck-mounted air rotary drilling rig. On December 17, 2003, four temporary wells (MTW-1 through MTW-4) were installed on the adjacent D.A. Cochran property to determine the nature and extent of petroleum hydrocarbon impacts to soil and groundwater in the vicinity of well MW-15. On August 31, 2004, two of the temporary wells (MTW-2 and MTW-3) were completed as permanent groundwater monitoring wells (MW-24 and MW-25, respectively), and two of the temporary wells (MTW-1 and MTW-4) were abandoned. Also on August 31, 2004, two temporary groundwater monitoring wells (MTW-5 and MTW-6) were installed east of MW-8 to determine the nature and extent of petroleum hydrocarbon impacts to groundwater in this area. Well locations are shown on Figures A-1 and A-2 in Appendix A. A 5-1/4-inch drill bit was used to advance the well borings to total depths ranging from 35 to 40 feet below ground surface (fbgs). Samples of the borehole cuttings were collected at 5-foot intervals during drilling. Soil samples collected from the borings were field screened with a photo-ionization detector (PID) to detect the presence of volatile organic compounds (VOCs) within the headspace atmosphere of bagged soil samples. Each sample was bagged, labeled, and stored at ambient air temperature for approximately 15 minutes. After the waiting period, the bags were penetrated with the tip of the PID and a measurement taken of the organic vapors present within the bag. PID field readings are shown on the Well Boring Logs in Appendix A. Soil samples collected at selected depths during the drilling of MTW-1 through MTW-4 were placed into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of total petroleum hydrocarbons (TPH), both diesel range organics (DRO) and gasoline range organics (GRO) by Method 8015B modified; benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Method 8021B; and chloride by Method 300.0A. Soil samples were not collected for laboratory analysis from MTW-5 or MTW-6. Laboratory analytical results for soil are summarized in Table A-1 in Appendix A, and the laboratory analytical reports are included in Appendix C.

After completion of drilling, 2-inch diameter Schedule 40 PVC well casing was installed in the boreholes. The well constructions at MTW-1 through MTW-4 consisted of 20 feet of 0.01-inch slot PVC screen installed from 15 to 35 fbgs, and blank PVC casing installed from 15 fbgs to approximately three feet above ground surface. The well annulus was filled with 20/40 silica sand from 12 to 35 fbgs. Bentonite gel was placed above the sand to approximately 2 fbgs and

hydrated with potable water. During the permanent completions at MTW-2 and MTW-3 (MW-24 and MW-25), cement grout was used to fill the well annulus from the top of the bentonite to ground surface. These two wells were then completed at the surface with a protective aboveground steel well box set into a concrete pad. The well constructions at MTW-5 and MTW-6 consisted of 15 feet of 0.01-inch slot PVC screen installed from 25 to 40 fbs, and blank PVC casing installed from 25 fbs to approximately three feet above ground surface. The well annulus was filled with 20/40 silica sand from 22 to 40 fbs. Bentonite gel was placed above the sand to approximately 2 fbs and hydrated with potable water. The soil boring logs and well construction diagrams are included in Appendix A. After completion, each well was developed and sampled using new disposable polyethylene bailers. Groundwater samples collected from each of the wells were placed into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of TPH-DRO and TPH-GRO by Method 8015B modified; BTEX by Method 8021B; and chloride by Method 300.0A. Laboratory analytical results for groundwater are summarized in Table A-1 in Appendix A, and the laboratory analytical reports are included in Appendix C.

GROUNDWATER MONITORING AND SAMPLING

Quarterly groundwater monitoring and sampling activities were conducted at the Site on April 19-22, July 20-23, October 25-28, 2004, and January 24, 26 and 27, 2005. Accessible monitoring, recovery and remediation wells were measured for groundwater elevations prior to the sampling events. Wells containing free petroleum hydrocarbons were not sampled. On April 21 and 22, 2004, wells MW-4, MW-5, MW-12 through 14, MW-16, MW-18 through 23, and SVE-10 were sampled. On July 21-23 and October 26-28, 2004, wells MW-4, MW-5, MW-12 through 14, MW-16, MW-18 through 25, and SVE-10 were sampled. On January 26 and 27, 2005, wells MW-4, MW-5, MW-12 through 25, and SVE-10 were sampled. It was determined during the first three sampling events that the groundwater level in MW-17 was too low for sampling. However, groundwater levels increased to a point in January 2005 so that MW-17 could be sampled again. 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 TPH-DRO and TPH-GRO by Method 8015B modified; BTEX by Method 8021B; and chloride by Method 300.0A. Laboratory analytical results for groundwater are summarized in Tables 2a, 2b and 2c, and the laboratory analytical reports are included in Appendix C.

Groundwater elevation measurements are summarized in Table 1. Potentiometric surface maps for each of the four sampling events are included as Figures 2a, 2b, 2c and 2d. Groundwater flow direction is variable across the Site, and depending on location, can be to the west, southwest, south, or southeast. The groundwater flow direction was calculated for the southern portion of the Site and shown to be south-southeast at a gradient of 0.0017 feet per foot (ft/ft) during the April and July 2004 events. Groundwater levels showed an overall decrease at the Site up to this time, which may reflect regional conditions due to previous low rainfall amounts in the area. However, as a response to greater than normal rainfall through selected months of 2004, groundwater levels increased at the Site during the next two sampling events. According to the National Weather Service (NOAA, 2004), rainfall in the Hobbs area was 2.96 inches in April 2004 (379% above normal), 2.34 inches in June 2004 (115% above normal), 4.78 inches in September 2004 (153% above normal), and 3.44 inches in November 2004 (395% above normal). During the October 2004 and January 2005 events, groundwater levels increased and the groundwater flow direction demonstrated a shift to a more southerly direction with a gradient of 0.0007 ft/ft in October 2004 and 0.0011 ft/ft in January 2005. Hydrographs prepared for selected Site wells are included in Appendix B.

Groundwater analytical results are presented in Tables 2a, 2b, 2c and 2d, and figures depicting the groundwater analytical results for the April, July and October 2004, and January 2005 sampling events are included as Figures 3a, 3b, 3c and 3d, respectively. The laboratory analytical data is included in Appendix C. Analytical results from the groundwater monitoring events show that the lateral extent of the dissolved-phase plume remains defined to the west, south and east. To the north, the dissolved-phase plume is monitored by wells MW-4 and MW-5. These wells show an overall decrease in BTEX constituents with MW-5 reporting slight increases and decreases of various BTEX constituents, and MW-4 reporting non-detect for all hydrocarbon constituents in April and July 2004. MW-4 reported slight detections of benzene (2.0 micrograms per liter [$\mu\text{g/L}$]) and TPH-DRO (0.19 milligrams per liter [mg/L]) in October 2004 and only TPH-DRO (0.19 mg/L) in January 2005. These results indicate that the remediation system is having an overall attenuating effect on the dissolved-phase plume.

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 2004, and January 2005 are included as Figures 4a, 4b, 4c and 4d, respectively, and LPH measurements are summarized in Table 1.

LPH thickness measured during the April 2004 monitoring event was consistent compared to previous data with the LPH plume generally ranging in thickness from approximately 1 to 2 feet. A slight thinning of the LPH plume was observed during the July 2004 event where measurements ranging from approximately 0.5 feet to <2 feet were observed in the affected wells. During the October 2004 event, LPH thickness decreased in all the affected wells except MW-8, with one well (MW-11) showing no measurable LPH and two wells (MW-3 and MW-6) exhibiting an LPH thickness of <0.05 feet. The decreased LPH plume thickness may be a response to the heightened groundwater table rising above the established hydrocarbon smear zone and/or local recharge into the upper aquifer depressing the LPH plume. During the January 2005 sampling event, LPH thickness in the affected wells exhibited a continued decrease in measured LPH thickness. Similar response is expected to occur in the effected wells until the groundwater table stabilizes and the LPH plume reestablishes itself. Depiction of these responses to LPH plume thickness vs. groundwater level is shown on the hydrographs in Appendix B.

FREE PETROLEUM HYDROCARBON RECOVERY

The pneumatic oil recovery system consisting of Durham Geo F.A.P. Plus pumps installed in wells MW-2, MW-3, MW-6, MW-7, MW-9, MW-10, and MW-11 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 oil recovery system compound (Figure 1). The recovered crude oil was initially transported to ConocoPhillips' Gaines Pump Station where it was added to the main crude oil pipeline. However, beginning in August 2003, the volume of groundwater being recovered by the oil recovery pumps increased and required that the recovered groundwater and crude oil be disposed at a licensed waste facility. On three separate occasions, Key Energy Services, Inc. hauled recovered groundwater and crude oil to Sundance Services' Eunice, New Mexico facility for disposal: April 19, 2004, 75 barrels groundwater and 10 barrels oil; June 9, 2004, 60 barrels groundwater and 3 barrels oil; September 8, 2004, 112 barrels groundwater and 10 barrels oil. Documentation for the disposal activities is included in Appendix D. From initial abatement activities and ongoing oil removal activities, approximately 393 barrels of crude oil have been recovered through

February 2005. The influx of recovered groundwater by the oil recovery system may be attributed to the increased groundwater levels and corresponding decreased LPH thickness in the recovery wells.

SOIL VAPOR EXTRACTION AND AIR SPARGING SYSTEMS MONITORING

The SVE system has been operational since October 17, 2002. To wait on New Mexico Air Quality Bureau (NMAQB) permit approval, the SVE system was inactive from June 9, 2003 until July 14, 2003. The system was placed back online July 14, 2003 and has been in continuous operation since. For air quality permit compliance, the on-site SVE system has been periodically monitored for effluent temperature, flow rate and VOC concentrations since startup. A PID has been used in the field to measure VOCs as organic vapor in air in parts per million (ppm) at the blower exhaust stack. Effluent flow rates and PID readings have ranged from 849 to 875 cubic feet per minute, and from 35.9 to 663 ppm, respectively, since startup. Approximately 37,481 pounds (~18.7 tons) of VOCs have been removed from the vadose zone by the SVE system since startup on October 17, 2002 through February 2005. The yearly total of VOCs removed by SVE from February 2004 through February 2005 was approximately 4.6 tons. This is a significant decrease from the approximately 11.45 tons removed during the first year of operation from the initial startup in October 2002 to October 2003. The Site is permitted by the NMAQB for a maximum VOC extraction rate of 15 tons per year. A summary of SVE emissions data is presented in Table 3, and graphical representation of the VOC measurements and emissions data are presented on Figures 5a and 5b.

The air sparging system has been operational since October 21, 2002. Injection pressures have ranged from 10 to 15 pounds per square inch, measured at the air sparge manifold. Sparge wells outside the area of the free-phase plume (SP-15 through SP-19) have been continuously operated, while the remaining sparge wells located within and immediately adjacent the free-phase plume (SP-1 through SP-14) have remained offline.

SYSTEM OPERATION AND MAINTENANCE

The remediation system equipment operation and maintenance schedule was performed according to manufacture recommendations and included oil and oil filter changes, air filter replacement, motor bearing lubrication and air/oil separator maintenance on the Sullivan/Palatek 20D air compressor; lubrication of the bearings and oil changes on the Roots

SVE blower; replacement of fuses and indicator bulbs on the system control panel as needed; monitoring and replacement/repair of gauges, fittings, air regulators and hoses on the pneumatic pumps and wellhead assemblies; and routine monitoring of all system fittings, hoses, sight glasses, gauges, valves, seals, lines, bearings, control switches and solenoids. The operation and maintenance schedule also included recording the system gauge and timer readings into a table for monitoring of system functions over time.

CONCLUSIONS

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

- Groundwater sampling results are consistent with previous data and no significant changes in the crude oil impacts to groundwater are evident except along the northern boundary of the Site. In this area, wells MW-4 and MW-5 have shown an overall decrease in sample concentrations from previous sampling data with MW-4 reporting non-detect for hydrocarbon constituents during the most recent sampling event.
- The amount of VOCs being removed by the SVE system has decreased from 11.45 tons, removed from October 2002 through October 2003, to 4.6 tons, removed from February 2004 through February 2005. Please see Figures 5a and 5b.
- Groundwater elevation increases were observed at the Site during the last two monitoring events as a response to greater than normal rainfall amounts in selected months of 2004. Groundwater gradient and flow direction have also shown a response to the increase in groundwater recharge.
- A corresponding decrease in the LPH plume thickness was observed in the Site recovery wells during the last two monitoring events, except at MW-8. MW-8 had an increase in LPH thickness from 0.34 feet to 1.16 feet from July to October 2004, and then LPH thickness decreased to 0.94 feet in January 2005. The overall decrease in LPH plume thickness may be a response to the heightened groundwater table rising above the established hydrocarbon smear zone and/or local recharge into the upper aquifer depressing the LPH plume. MW-8 may be responding to limited lateral spreading of the LPH plume to the east.

- From initial abatement activities through February 2005, the crude oil recovery system has recovered approximately 393 barrels of crude oil. Groundwater recovery by the oil skimmer system increased, due to an increase in groundwater levels at the Site.
- An investigation to determine the nature and extent of petroleum hydrocarbon impacts to soil and groundwater in the vicinity of well MW-15, located on the adjacent D.A. Cochran property, was performed. Concentrations of BTEX were reported in groundwater samples from two temporary wells installed south of MW-15. These two wells were completed as permanent monitoring wells MW-24 and MW-25. Groundwater samples collected from two temporary wells located north and west of MW-15 reported non-detect for BTEX, and were they subsequently abandoned. No definitive secondary source for the LPH previously measured in MW-15 was determined from the investigation.
- Two temporary groundwater monitoring wells were installed east of MW-8. The well closest to MW-8 (MTW-6) reported detectable concentrations of BTEX, while the well further east of MW-8 (MTW-5) reported non-detect for BTEX.

RECOMMENDATIONS

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

- Focus on physical recovery of crude oil as most efficient method for plume reduction. Optimize the crude oil skimmer system to enhance recovery of crude oil and reduce or eliminate recovered groundwater by closely monitoring groundwater levels and adjusting pump skimmer depths as needed, adjusting pumping cycles as needed to increase pumping effectiveness and recovery, and replacing weathered hose and tubing at the wellheads. Also, replace the skimmer probes on selected recovery wells to decrease the amount of groundwater being collected by the system.
- Request variance to temporarily discontinue operation of the SVE and air sparge systems. Due to the low volatility of crude oil, the systems are inefficient at plume reduction compared to the physical recovery of oil by the crude oil skimmer system. VOC removal rates have decreased to an ineffective level for remediation of the crude oil plume. Reserve option to use in future for residual hydrocarbon removal once plume has been attenuated through remediation by the crude oil recovery system.

- Complete two temporary wells east of MW-8 as permanent groundwater monitoring wells and include in quarterly sampling to monitor increases in LPH thickness seen at MW-8 during last two sampling events.

REFERENCES

National Oceanic and Atmospheric Administration, 2004, National Weather Service – Southern Region Headquarters, Midland, Texas area website: <http://www.srh.noaa.gov/maf/>

Should you have any questions or comments upon review of this report, please contact Greg W. Pope at (432) 686-8081.

Sincerely,

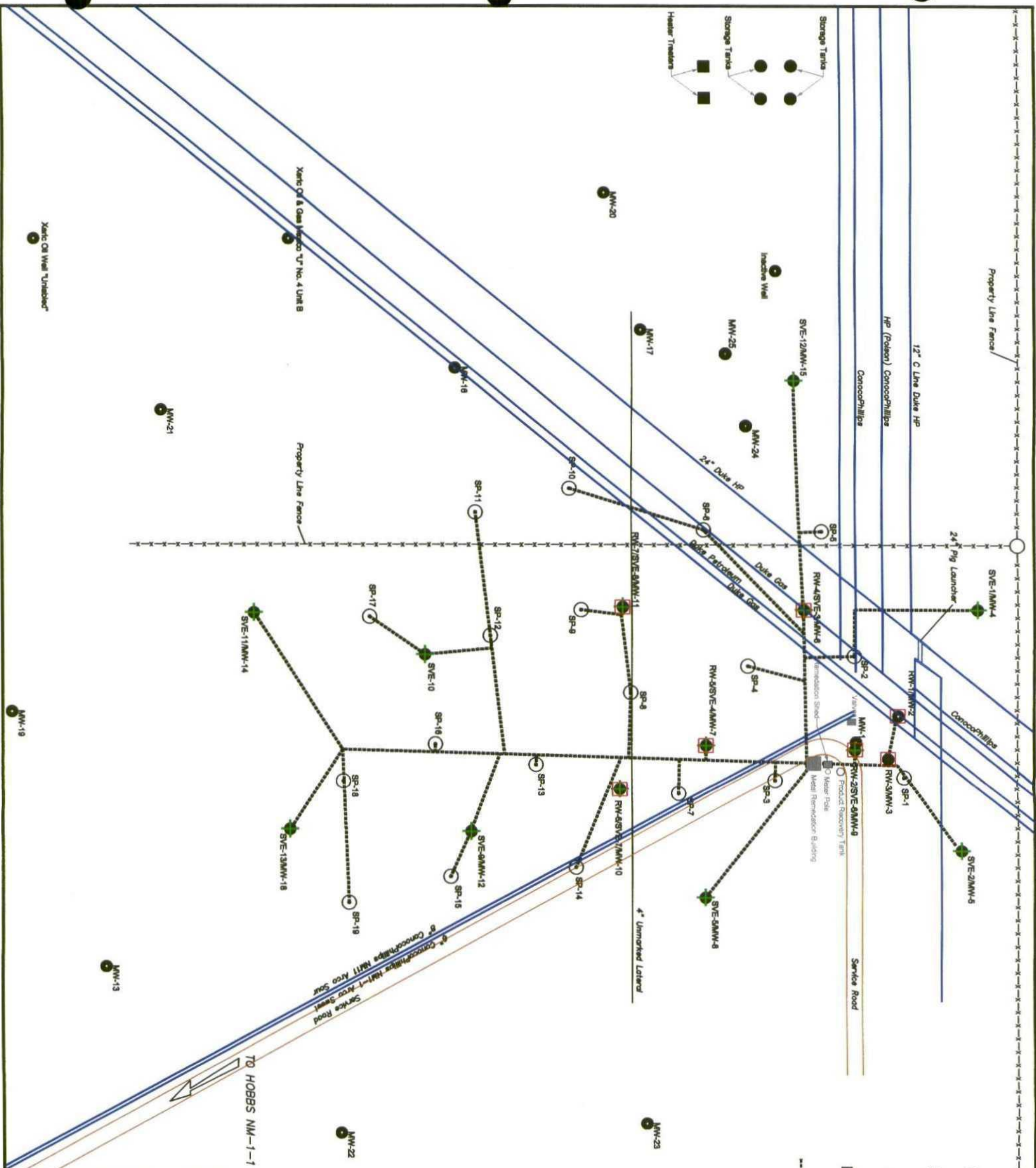
MAXIM TECHNOLOGIES, INC.



Greg W. Pope
Hydrogeologist

FIGURES

Figure 1	Site Map
Figure 2a	Groundwater Contour Map – April 2004
Figure 2b	Groundwater Contour Map – July 2004
Figure 2c	Groundwater Contour Map – October 2004
Figure 2d	Groundwater Contour Map – January 2005
Figure 3a	Summary of Groundwater Analytical Results – April 2004
Figure 3b	Summary of Groundwater Analytical Results – July 2004
Figure 3c	Summary of Groundwater Analytical Results – October 2004
Figure 3d	Summary of Groundwater Analytical Results – January 2005
Figure 4a	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – April 2004
Figure 4b	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – July 2004
Figure 4c	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – October 2004
Figure 4d	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – January 2005
Figure 5a	VOC Emissions vs. Time
Figure 5b	Measured SVE Emissions



- LEGEND**
- MW-1 ● Existing Monitor Well Location and Designation
 - SVE-1 ● Soil Vapor Extraction Location and Designation
 - SP-2 ● Sparge Well Location and Designation
 - RW-1 □ Product Recovery Well Location and Designation
 - Alignment of Conveyance Piping Corridor
- Note: Site is restricted to public access.

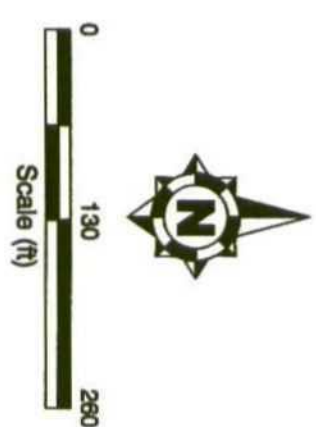
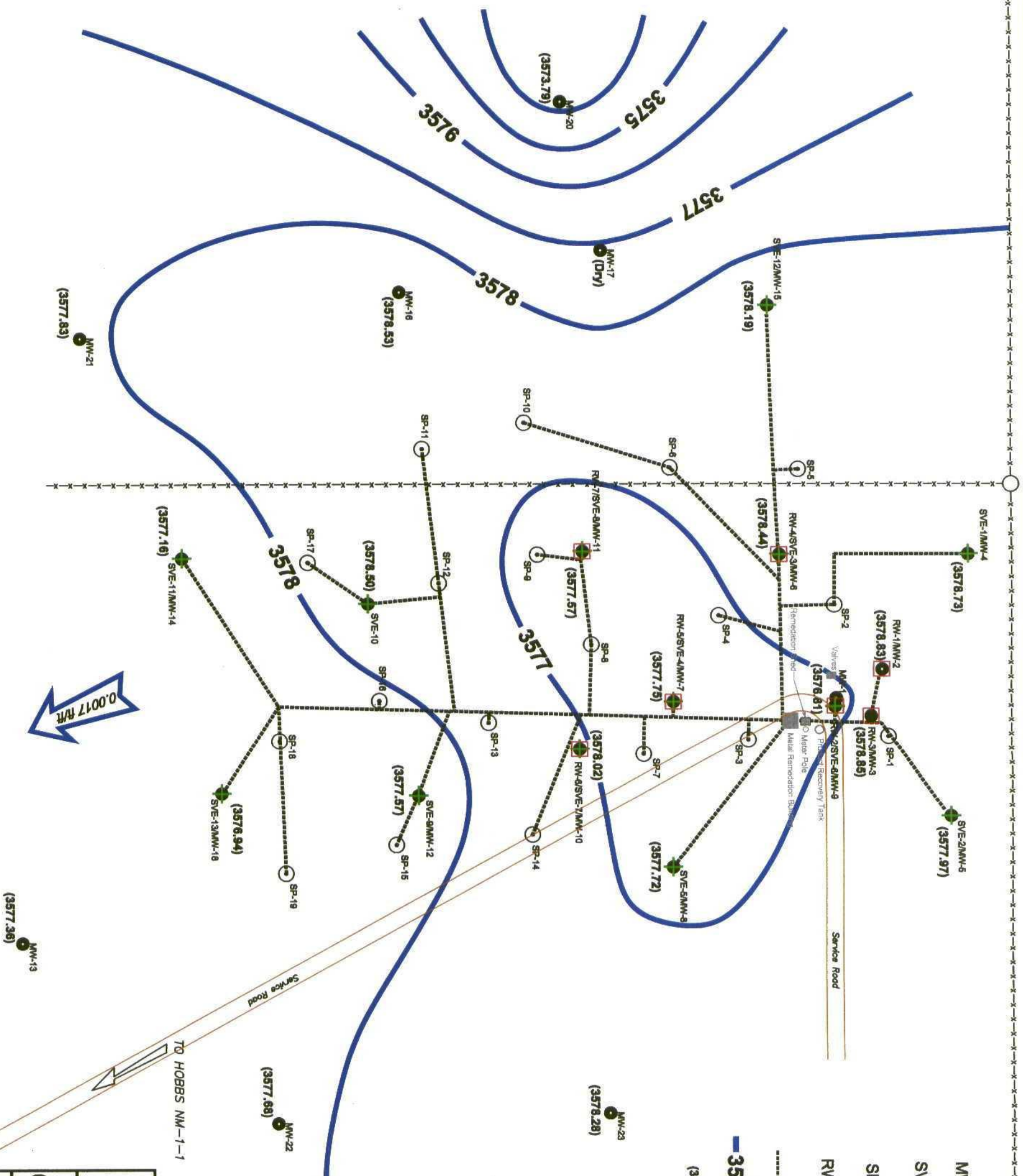


FIGURE 1 : SITE MAP

EAST HOBBS JUNCTION	DATA COLLECTED : MAR. 03, 2005
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E	PROJECT NO : 5640001 MODIFIED BY : GWP DATE MODIFIED : 03/03/2005 ACAD File : EHL.Fg1SiteMap2005.dwg



LEGEND

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

3578 Groundwater Elevation Contour

(3578.28) Groundwater Elevation (feet above mean sea level)

ft/ft = feet per foot

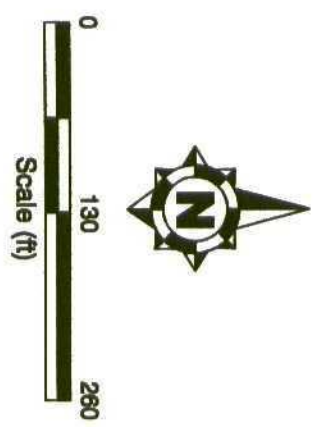
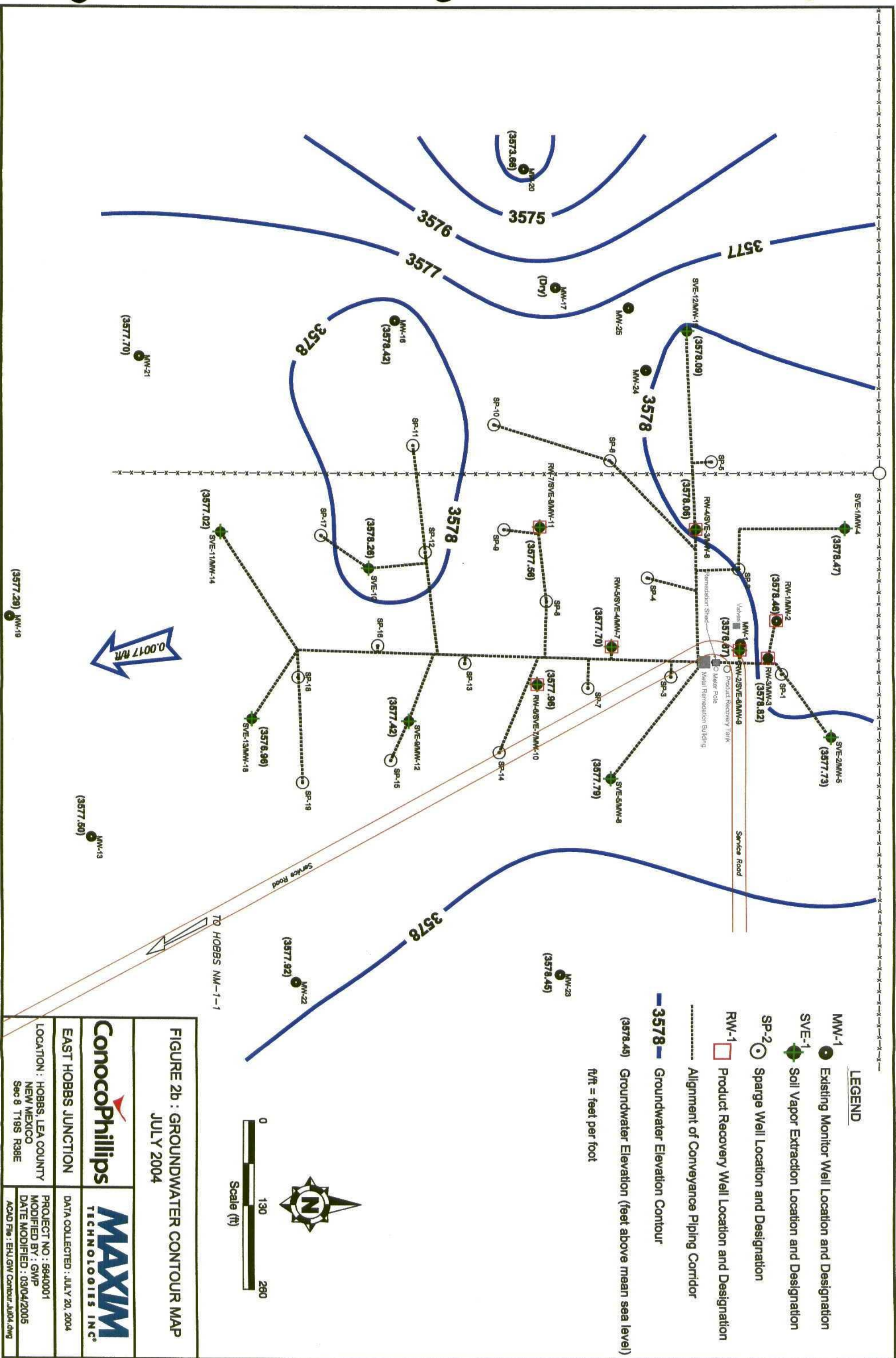
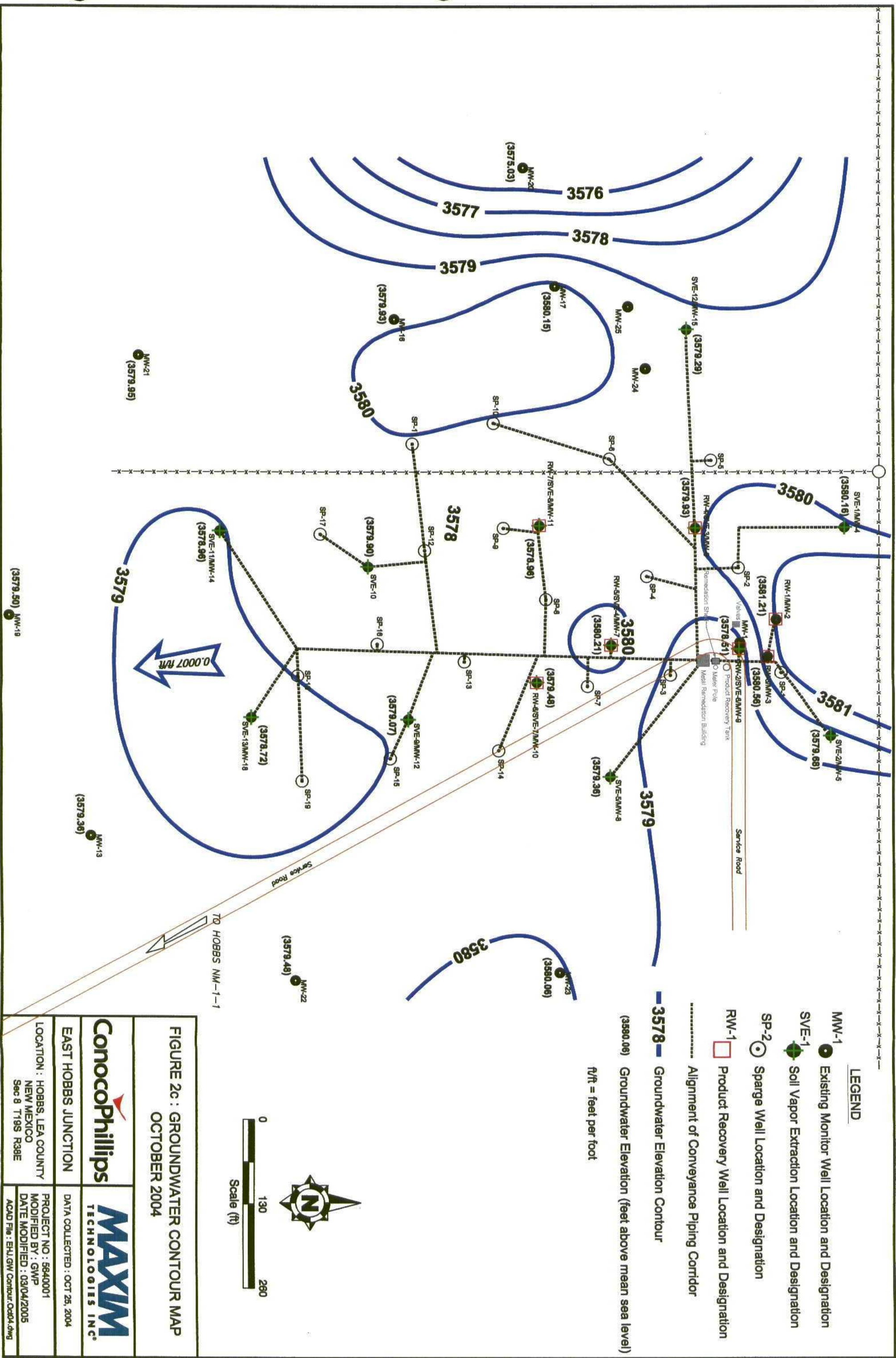
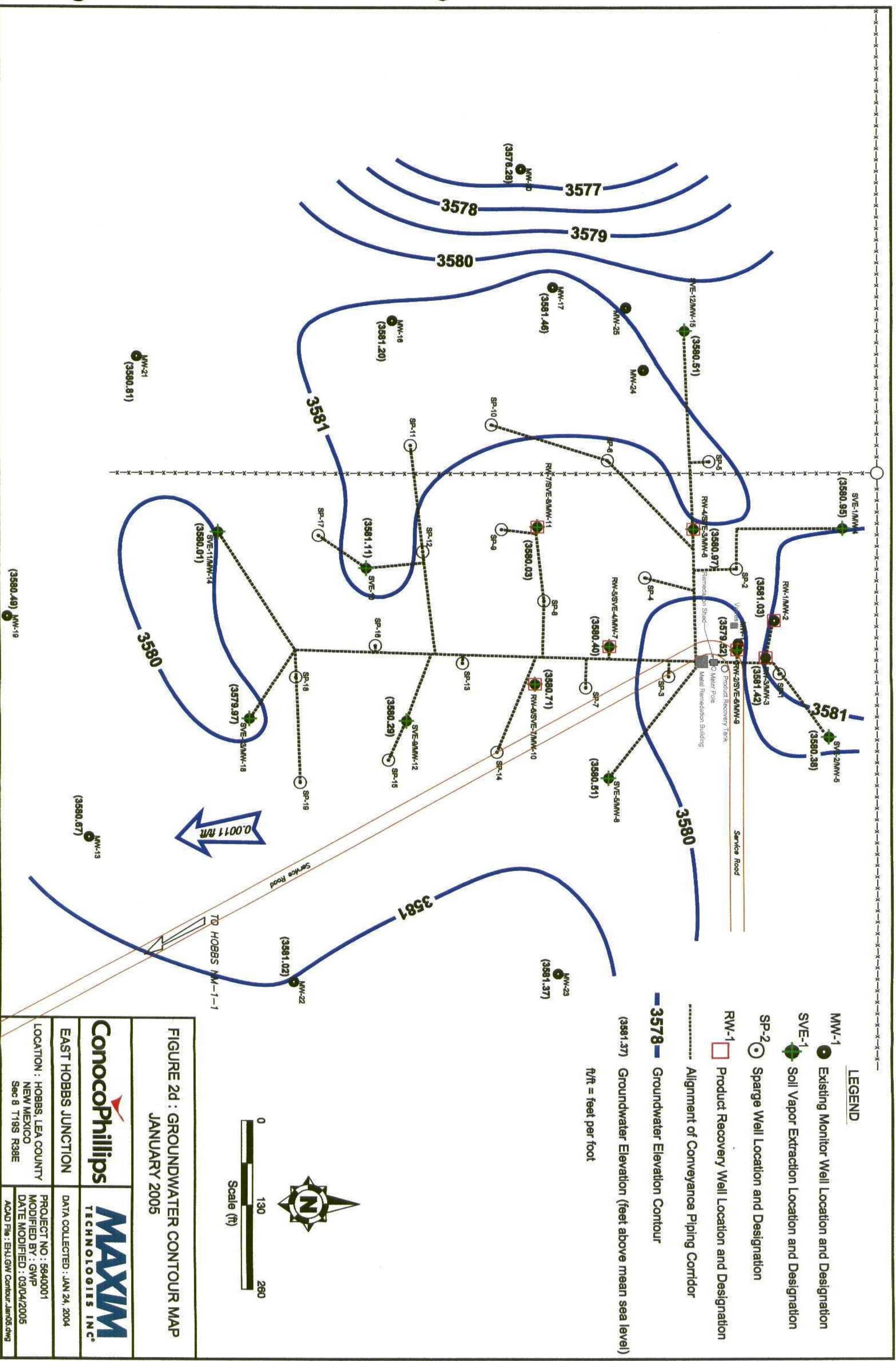


FIGURE 2a : GROUNDWATER CONTOUR MAP
APRIL 2004

ConocoPhillips		MAXIM TECHNOLOGIES INC.	
EAST HOBBS JUNCTION		DATA COLLECTED : APR 19 & 20, 2004	
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E		PROJECT NO : 4640029 MODIFIED BY : GWP DATE MODIFIED : 03/04/2005	
		ACAD File : EHLGW Contour-Apr04.dwg	







LEGEND

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

Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

Well Number	Sample Data
-------------	-------------

B	Benzenes
T	Toluenes
E	Ethylbenzenes
X	Xylenes (Total)
TVPH	Total Volatile Petroleum Hydrocarbons (TPH-VRO)
TEPH	Total Extractable Petroleum Hydrocarbons (TPH-DRO)

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

NW-23	04-21-04
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TVPH	<0.10
TEPH	<0.20

NW-22	04-21-04
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TVPH	<0.10
TEPH	<0.20



FIGURE 3a: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
APRIL 2004

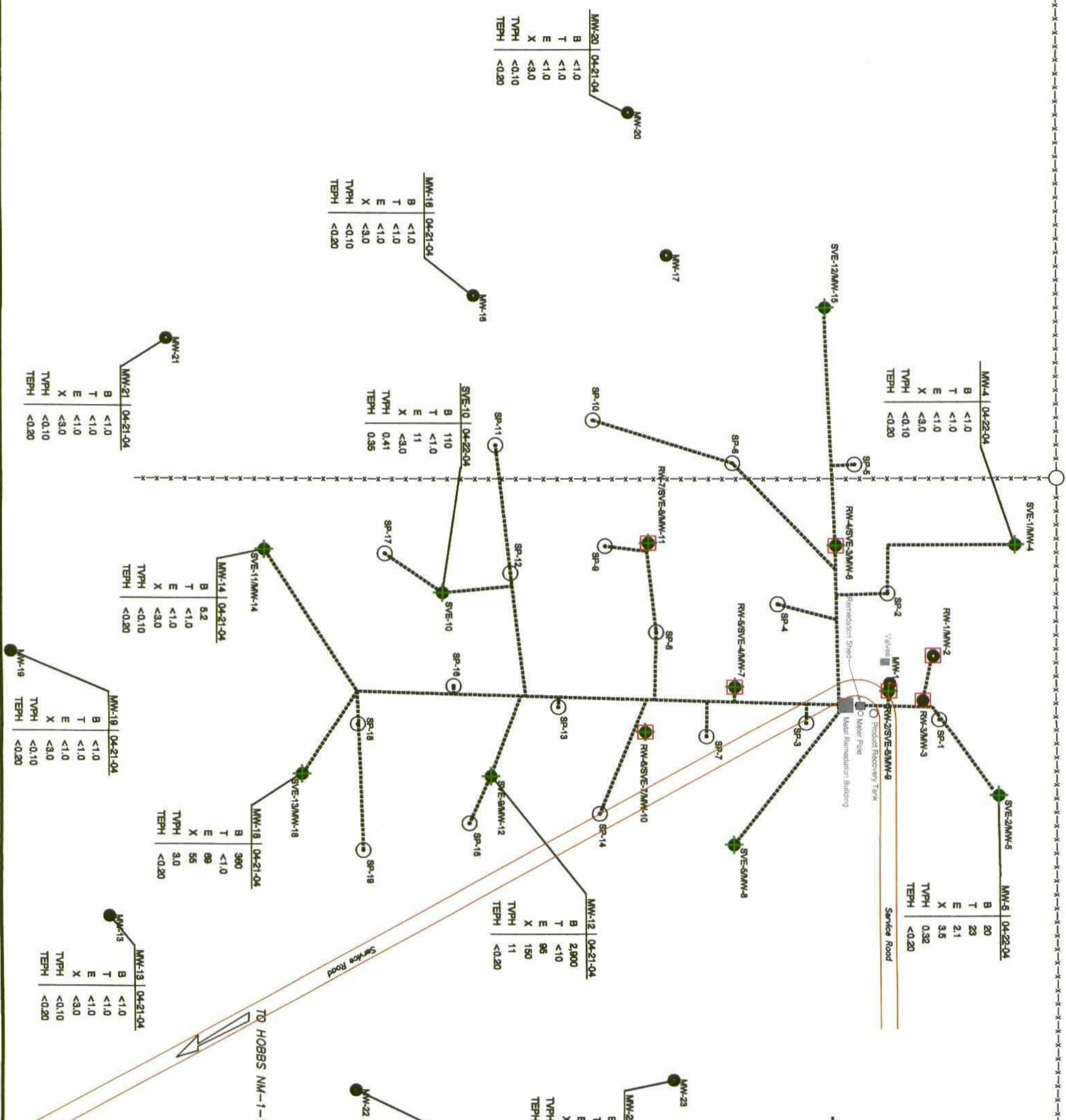
ConocoPhillips
TECHNOLOGIES INC.

EAST HOBBS JUNCTION

DATA COLLECTED: APR 21 & 22, 2004

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

PROJECT NO: 4640029
MODIFIED BY: GWP
DATE MODIFIED: 05/21/2004
ACAD FILE: EHLGW Results Apr04.dwg



LEGEND

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

Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

Well Number	Sample Data	
	Benzene	(µg/L)
	Toluene	(µg/L)
	Ethylbenzene	(µg/L)
	Xylenes (Total)	(µg/L)
	Total Volatile Petroleum Hydrocarbons (TPH-GRO)	(mg/L)
	Total Extractable Petroleum Hydrocarbons (TPH-DRO)	(mg/L)
	TPH	(mg/L)
	TEPH	(mg/L)

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

MW-23	10-27-04
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH	<0.10
TEPH	<0.048

MW-22	10-27-04
B	<1.0
T	<1.0
E	<1.0
X	<3.0
TPH	<0.10
TEPH	<0.048



FIGURE 3c: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2004

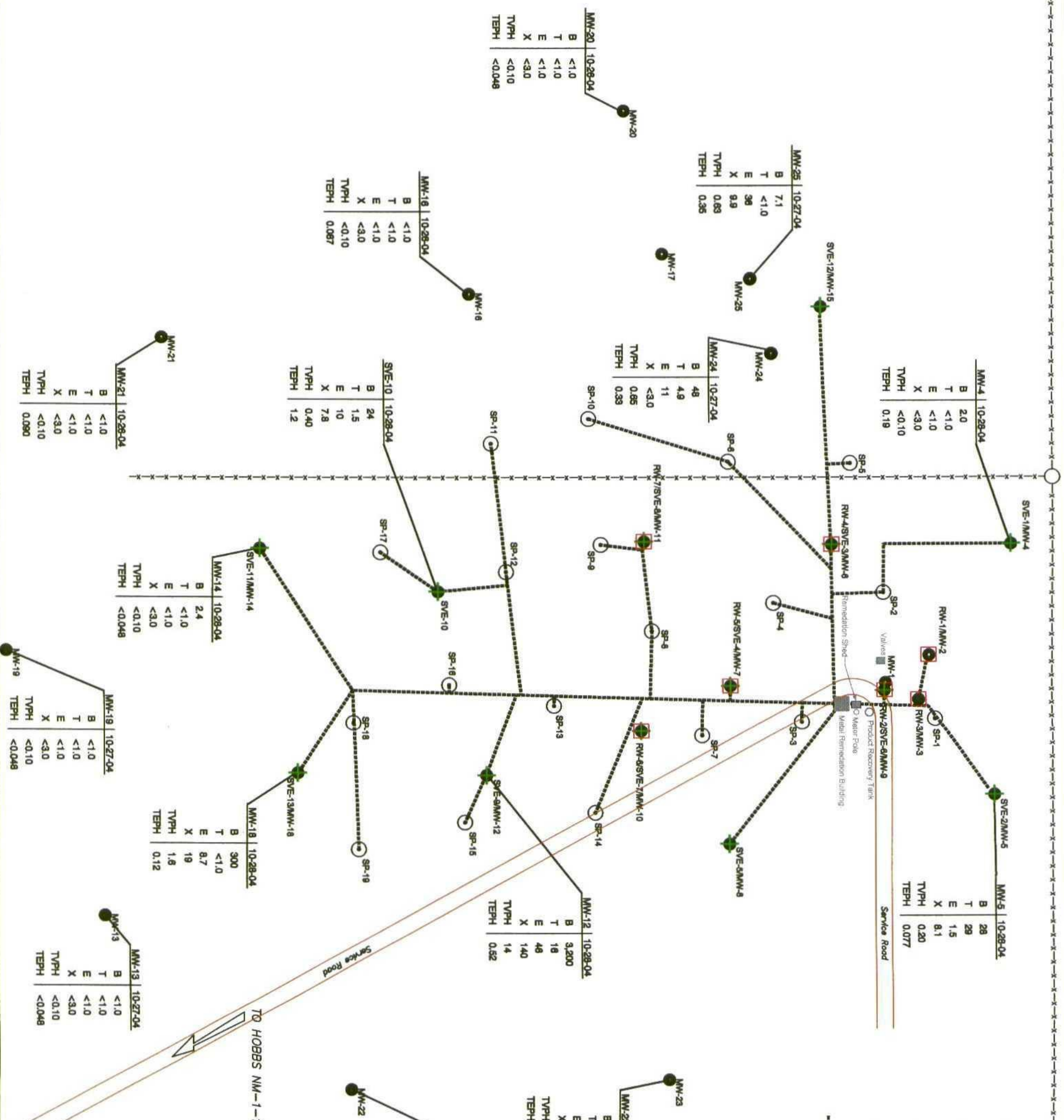
ConocoPhillips
MAXIM TECHNOLOGIES INC.

EAST HOBBS JUNCTION

DATA COLLECTED: OCT. 26 - 28, 2004

LOCATION: HOBBS, LEA COUNTY
NEW MEXICO
Sec 8 T18S R38E

PROJECT NO: 5840001
MODIFIED BY: GWP
DATE MODIFIED: 03/03/2005
ACAD File: EHLGW Results, Oct04.dwg



LEGEND

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

Alignment of Conveyance Piping Corridor

ANALYTICAL DATA

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

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

MW-23	01-28-05	B	<1.0	T	<1.0	E	<1.0	X	<3.0	TPH	<0.10	TEPH	<0.048
-------	----------	---	------	---	------	---	------	---	------	-----	-------	------	--------

MW-22	01-28-05	B	<1.0	T	<1.0	E	<1.0	X	<3.0	TPH	<0.10	TEPH	<0.048
-------	----------	---	------	---	------	---	------	---	------	-----	-------	------	--------



FIGURE 3d : SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
JANUARY 2005

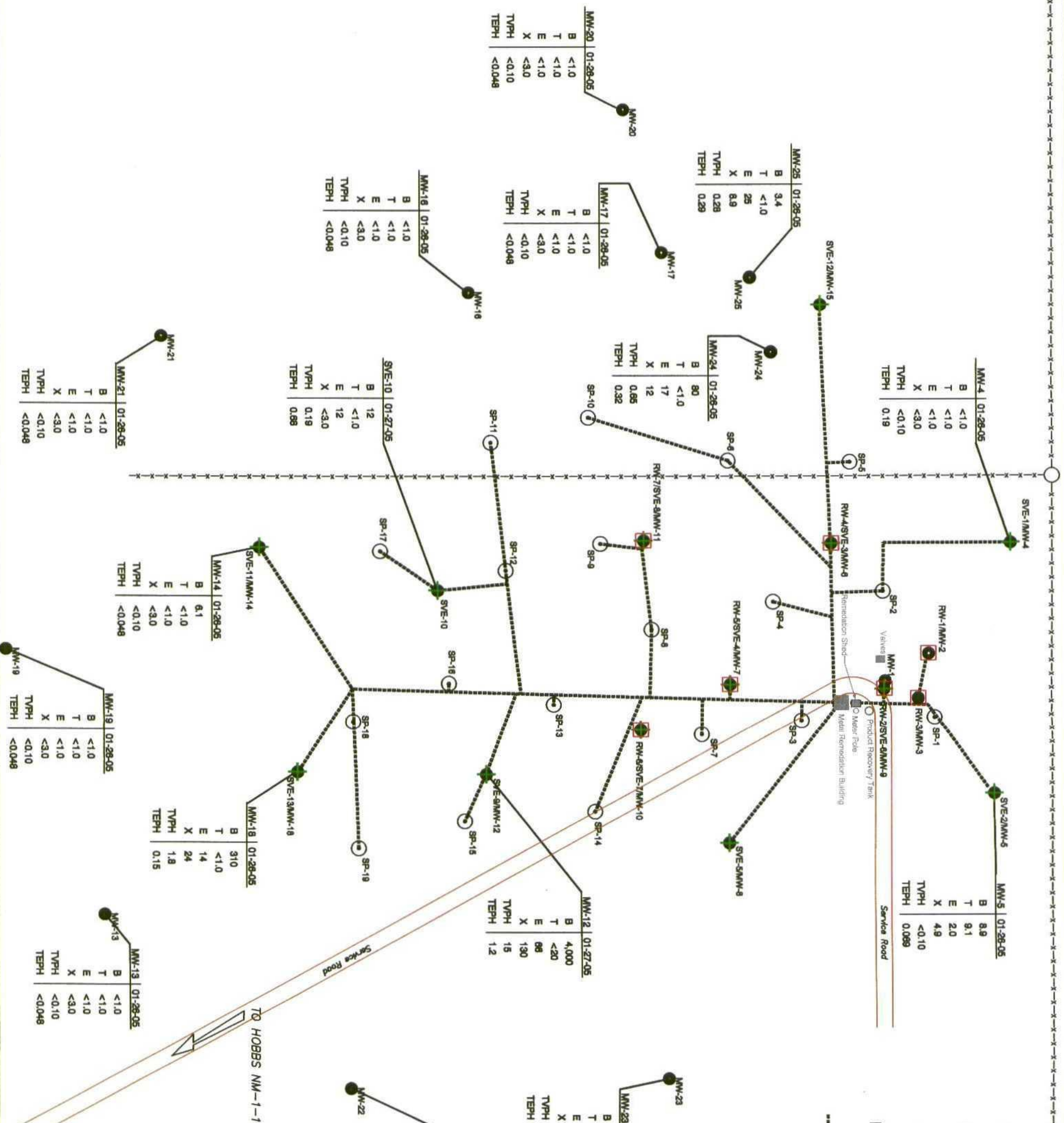
ConocoPhillips **MAXIM TECHNOLOGIES INC.**

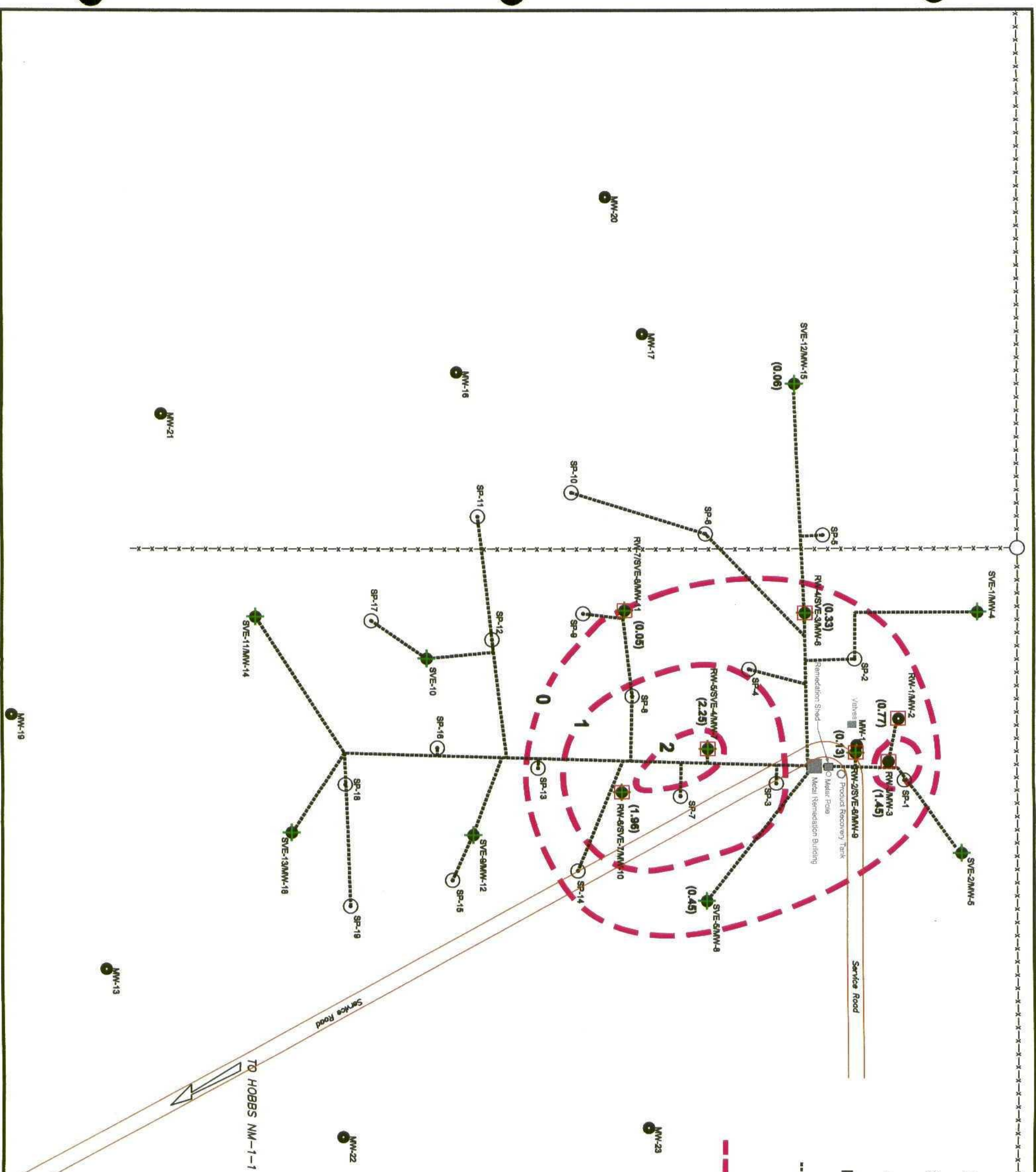
EAST HOBBS JUNCTION

DATA COLLECTED : JAN. 28 & 27, 2005

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

PROJECT NO : 5640001
MODIFIED BY : GWP
DATE MODIFIED : 03/03/2005
ACAD File : EHLGW Results Jan05.dwg





LEGEND

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

(1.96) LPH Thickness (feet)

2 LPH Thickness Contour

Note: SVE-12/MW-15 not included on contouring due to free product originating from another unknown source.



FIGURE 4a : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP
APRIL 2004

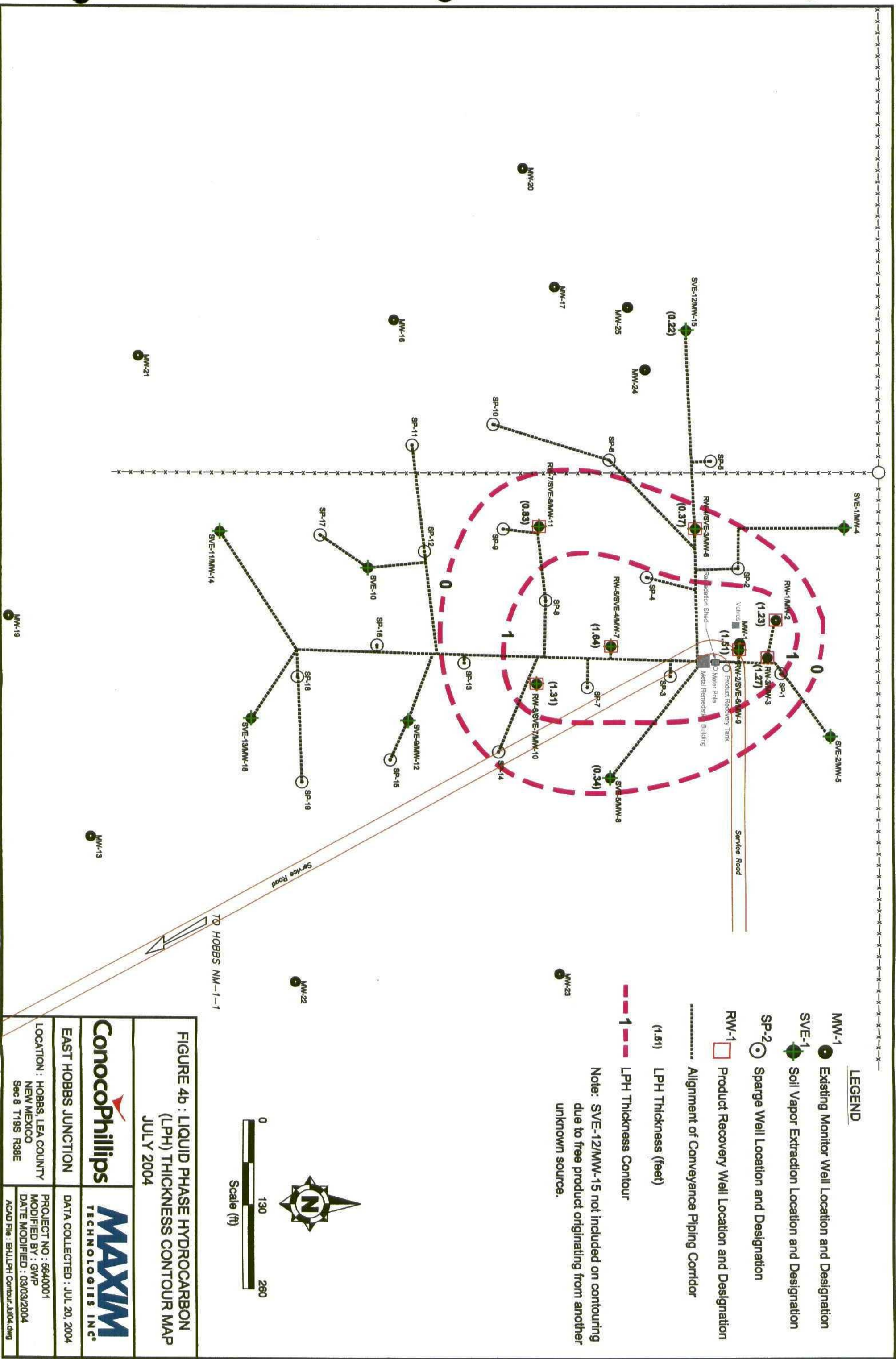
ConocoPhillips **MAXIM**
TECHNOLOGIES INC.

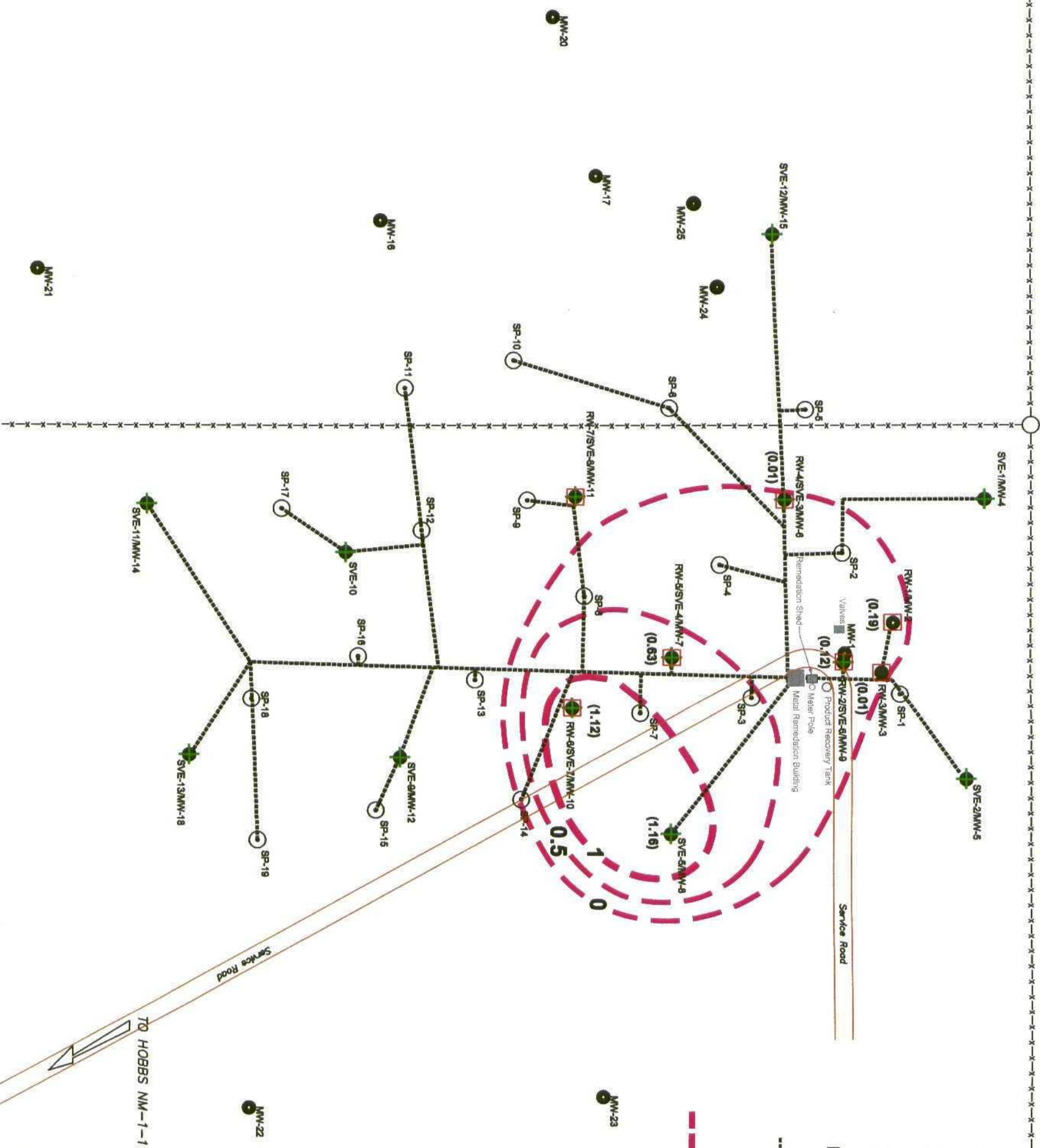
EAST HOBBS JUNCTION

DATA COLLECTED : APR 20, 2004

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

PROJECT NO : 4640029
MODIFIED BY : GWP
DATE MODIFIED : 05/06/2004
ACAD File : EHLPH Contour April.dwg





LEGEND

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

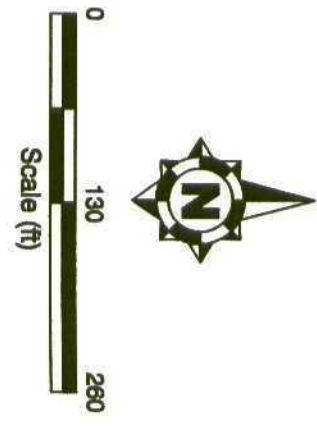


FIGURE 4c : LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP
OCTOBER 2004

ConocoPhillips TECHNOLOGIES INC.	
EAST HOBBS JUNCTION	DATA COLLECTED : OCT 25, 2004
LOCATION : HOBBS, LEA COUNTY NEW MEXICO Sec 8 T19S R38E	PROJECT NO : 5640001 MODIFIED BY : GWP DATE MODIFIED : 03/04/2004 ACAD File : BHLLPH Contour.Oct04.dwg

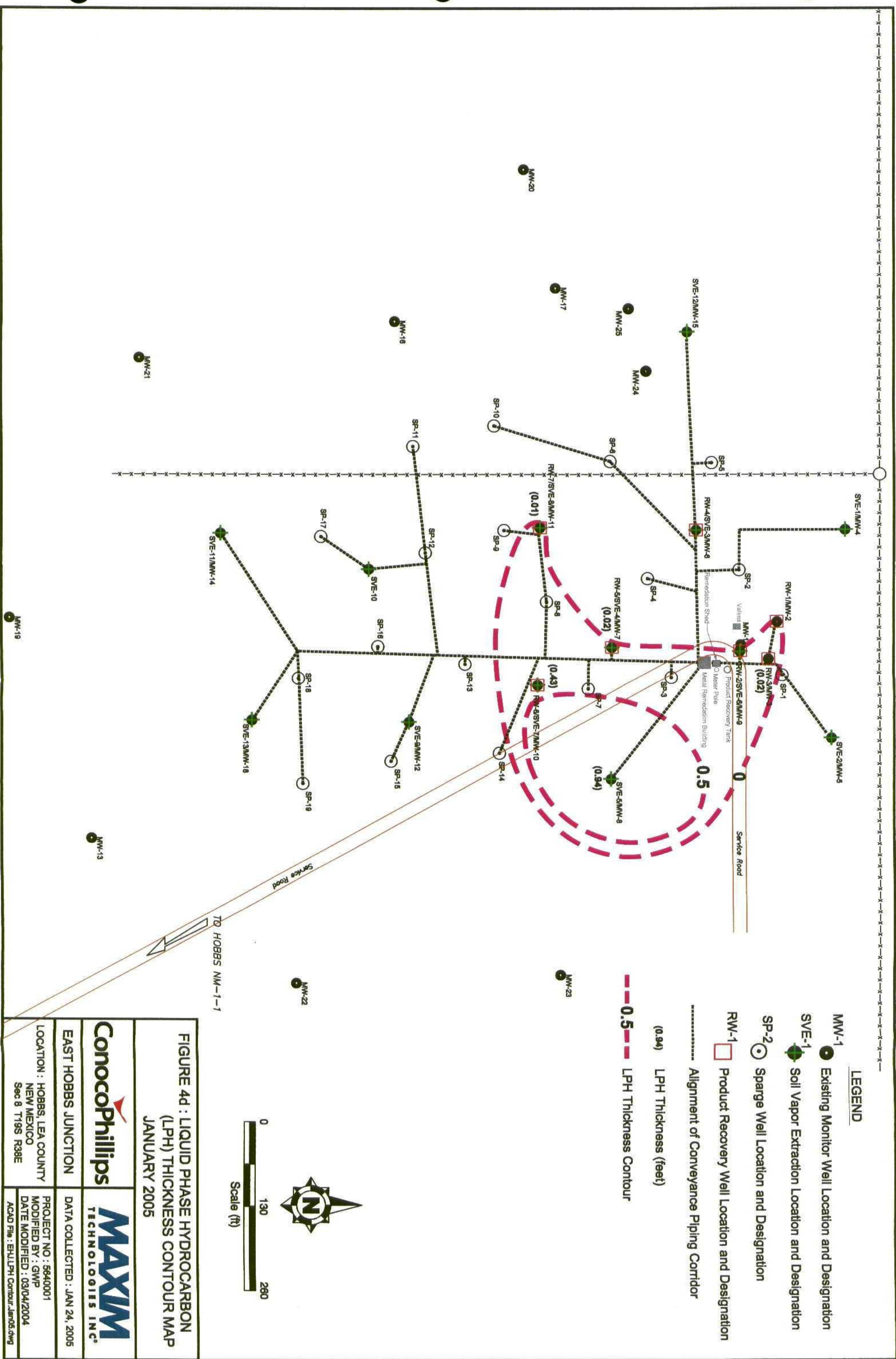


Fig. 5a
VOC Emissions vs. Time
ConocoPhillips
East Hobbs Junction

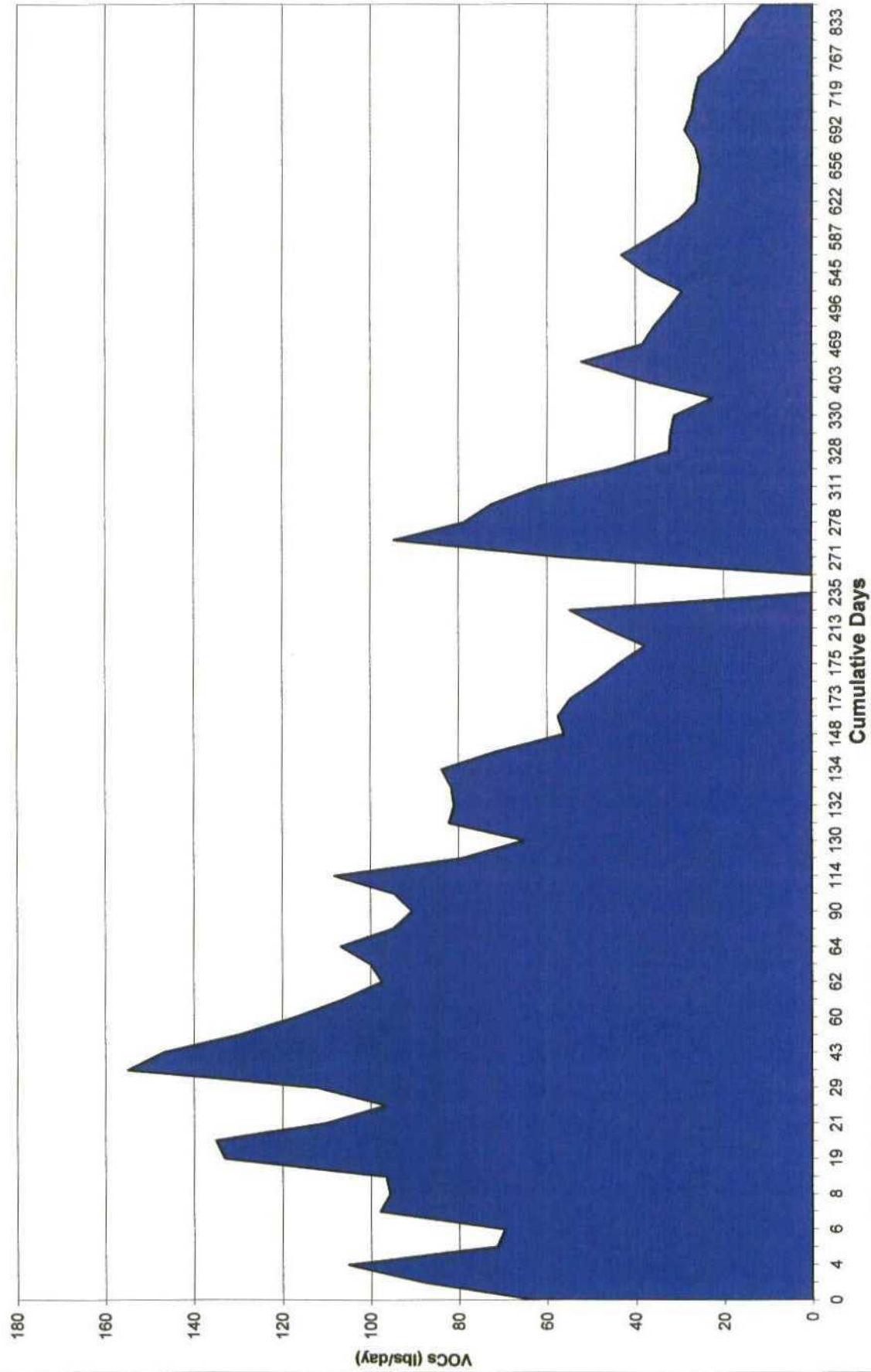
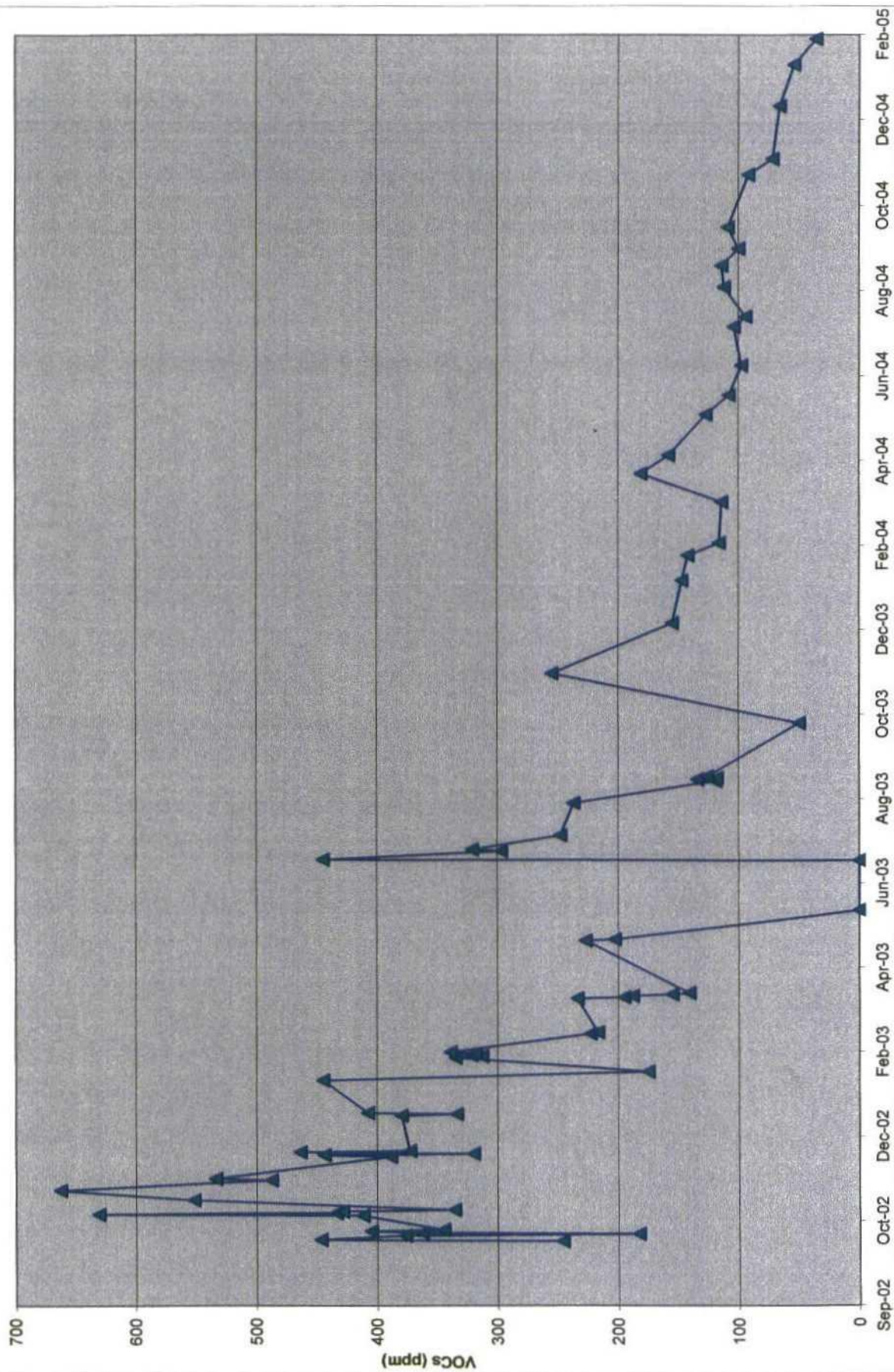


Figure 5b
Measured SVOC Emissions
ConocoPhillips
East Hobbs Junction



TABLES

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

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1	03/01/01	3606.28	27.14	24.19	2.95	2.36	24.78	3581.50
	06/25/01	3606.28	NM		0.00	0.00		
	09/25/01	3606.28	NM		0.00	0.00		
	12/11/01	3606.28	NM		0.00	0.00		
	05/22/02	3606.28	27.85	25.39	2.46	1.97	25.88	3580.40
MW-2 (RW-1)	03/01/01	3606.45	26.88	24.29	2.59	2.07	24.81	3581.64
	06/25/01	3606.45	26.67	25.73	0.94	0.75	25.92	3580.53
	09/25/01	3606.45	26.59	26.04	0.55	0.44	26.15	3580.30
	12/11/01	3606.45	28.20	25.73	2.47	1.98	26.22	3580.23
	05/22/02	3606.45	28.00	26.33	1.67	1.34	26.66	3579.79
	11/05/02	3606.45	28.73	24.67	4.06	3.25	25.48	3580.97
	02/25/03	3606.45	29.30	26.55	2.75	2.20	27.10	3579.35
	04/09/03	3606.45	28.41	26.41	2.00	1.60	26.81	3579.64
	06/25/03	3606.45	28.55	26.58	1.97	1.58	26.97	3579.48
	09/11/03	3606.45	28.60	26.62	1.98	1.58	27.02	3579.43
	11/05/03	3606.45	28.74	26.95	1.79	1.43	27.31	3579.14
	01/19/04	3606.45	28.42	27.35	1.07	0.86	27.56	3578.89
	04/20/04	3606.45	28.24	27.47	0.77	0.62	27.62	3578.83
	07/20/04	3606.45	28.97	27.74	1.23	0.98	27.99	3578.46
	10/25/04	3606.45	25.39	25.20	0.19	0.15	25.24	3581.21
	01/24/05	3606.45	25.42		0.00	0.00	25.42	3581.03
	02/14/05	3606.45	25.35		0.00	0.00	25.35	3581.10
MW-3 (RW-3)	03/01/01	3606.33	26.92	24.19	2.73	2.18	24.74	3581.59
	06/25/01	3606.33	27.01	24.91	2.10	1.68	25.33	3581.00
	09/25/01	3606.33	27.52	25.09	2.43	1.94	25.58	3580.75
	12/11/01	3606.33	27.70	25.29	2.41	1.93	25.77	3580.56
	11/05/02	3606.33	28.14	26.13	2.01	1.61	26.53	3579.80
	02/25/03	3606.33	29.55	26.34	3.21	2.57	26.98	3579.35
	04/09/03	3606.33	29.02	26.24	2.78	2.22	26.80	3579.53
	06/25/03	3606.33	28.06	26.47	1.59	1.27	26.79	3579.54
	09/11/03	3606.33	28.72	26.89	1.83	1.46	27.26	3579.07
	11/05/03	3606.33	28.45	26.85	1.60	1.28	27.17	3579.16
	01/19/04	3606.33	28.86	26.95	1.91	1.53	27.33	3579.00
	04/20/04	3606.33	28.64	27.19	1.45	1.16	27.48	3578.85
	07/20/04	3606.33	28.53	27.26	1.27	1.02	27.51	3578.82
	10/25/04	3606.33	25.78	25.77	0.01	0.01	25.77	3580.56
	01/24/05	3606.33	24.93	24.91	0.02	0.02	24.91	3581.42
	02/14/05	3606.33	24.83		0.00	0.00	24.83	3581.50
MW-4 (SVE-1)	03/01/01	3606.69	24.60		0.00	0.00	24.60	3582.09
	06/25/01	3606.69	25.14		0.00	0.00	25.14	3581.55
	09/25/01	3606.69	25.36		0.00	0.00	25.36	3581.33
	12/11/01	3606.69	24.54		0.00	0.00	24.54	3582.15
	05/21/02	3606.69	25.95		0.00	0.00	25.95	3580.74
	06/08/02	3606.69	26.00		0.00	0.00	26.00	3580.69
	06/15/02	3606.69	26.00		0.00	0.00	26.00	3580.69
	10/15/02	3606.37	26.86		0.00	0.00	26.86	3579.51
	10/25/02	3606.37	26.90		0.00	0.00	26.90	3579.47
	10/26/02	3606.37	26.89		0.00	0.00	26.89	3579.48
	11/04/02	3606.37	26.86		0.00	0.00	26.86	3579.51
	11/05/02	3606.37	26.80		0.00	0.00	26.80	3579.57
	12/16/02	3606.37	26.80		0.00	0.00	26.80	3579.57
	01/22/03	3606.37	26.68		0.00	0.00	26.68	3579.69

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-4 (SVE-1) cont.	02/14/03	3606.37	26.88		0.00	0.00	26.88	3579.49
	02/24/03	3606.37	26.90		0.00	0.00	26.90	3579.47
	04/07/03	3606.37	27.00		0.00	0.00	27.00	3579.37
	04/24/03	3606.37	26.98		0.00	0.00	26.98	3579.39
	07/15/03	3606.37	27.09		0.00	0.00	27.09	3579.28
	09/11/03	3606.37	27.23		0.00	0.00	27.23	3579.14
	10/15/03	3606.37	27.25		0.00	0.00	27.25	3579.12
	01/19/04	3606.37	27.71		0.00	0.00	27.71	3578.66
	04/19/04	3606.37	27.64		0.00	0.00	27.64	3578.73
	07/20/04	3606.37	27.90		0.00	0.00	27.90	3578.47
	10/25/04	3606.37	26.21		0.00	0.00	26.21	3580.16
	01/24/05	3606.37	25.42		0.00	0.00	25.42	3580.95
MW-5 (SVE-2)	03/01/01	3605.52	24.03		0.00	0.00	24.03	3581.49
	06/25/01	3605.52	24.23		0.00	0.00	24.23	3581.29
	09/25/01	3605.52	24.48		0.00	0.00	24.48	3581.04
	12/11/01	3605.52	24.68		0.00	0.00	24.68	3580.84
	05/21/02	3605.52	25.12		0.00	0.00	25.12	3580.40
	06/08/02	3605.52	25.13		0.00	0.00	25.13	3580.39
	06/15/02	3605.52	25.13		0.00	0.00	25.13	3580.39
	10/15/02	3604.90	26.20		0.00	0.00	26.20	3578.70
	10/25/02	3604.90	26.19		0.00	0.00	26.19	3578.71
	10/26/02	3604.90	26.21		0.00	0.00	26.21	3578.69
	11/04/02	3604.90	26.08		0.00	0.00	26.08	3578.82
	11/05/02	3604.90	26.02		0.00	0.00	26.02	3578.88
	12/16/02	3604.90	26.06		0.00	0.00	26.06	3578.84
	01/22/03	3604.90	25.81		0.00	0.00	25.81	3579.09
	02/08/03	3604.90	25.91		0.00	0.00	25.91	3578.99
	02/14/03	3604.90	25.89		0.00	0.00	25.89	3579.01
	02/24/03	3604.90	25.96		0.00	0.00	25.96	3578.94
	04/07/03	3604.90	26.06		0.00	0.00	26.06	3578.84
	04/24/03	3604.90	26.05		0.00	0.00	26.05	3578.85
	07/15/03	3604.90	26.38		0.00	0.00	26.38	3578.52
	09/11/03	3604.90	26.43		0.00	0.00	26.43	3578.47
	10/15/03	3604.90	26.70		0.00	0.00	26.70	3578.20
	01/19/04	3604.90	27.06		0.00	0.00	27.06	3577.84
	04/19/04	3604.90	26.93		0.00	0.00	26.93	3577.97
	07/20/04	3604.90	27.17		0.00	0.00	27.17	3577.73
	10/25/04	3604.90	25.22		0.00	0.00	25.22	3579.68
	01/24/05	3604.90	24.52		0.00	0.00	24.52	3580.38
MW-6 (RW-4)	03/01/01	3606.14	25.54	24.51	1.03	0.82	24.72	3581.42
	06/25/01	3606.14	26.88	24.42	2.46	1.97	24.91	3581.23
	09/25/01	3606.14	25.96	25.93	0.03	0.02	25.94	3580.20
	12/11/01	3606.14	27.64	25.66	1.98	1.58	26.06	3580.08
	06/25/03	3606.14	28.31	26.78	1.53	1.22	27.09	3579.05
	09/11/03	3606.14	28.46	26.83	1.63	1.30	27.16	3578.98
	11/05/03	3606.14	28.02	27.19	0.83	0.66	27.36	3578.78
	01/19/04	3606.14	28.41	27.36	1.05	0.84	27.57	3578.57
	04/20/04	3606.14	27.96	27.63	0.33	0.26	27.70	3578.44
	07/20/04	3606.14	28.38	28.01	0.37	0.30	28.08	3578.06
	10/25/04	3606.14	26.22	26.21	0.01	0.01	26.21	3579.93
	01/24/05	3606.14	25.17		0.00	0.00	25.17	3580.97
	02/14/05	3606.14	25.11		0.00	0.00	25.11	3581.03

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-7 (RW-5)	03/01/01	3605.50	26.61	23.73	2.88	2.30	24.31	3581.19
	06/25/01	3605.50	25.35	25.30	0.05	0.04	25.31	3580.19
	09/25/01	3605.50	26.05	25.41	0.64	0.51	25.54	3579.96
	05/22/02	3605.50	26.54	25.98	0.56	0.45	26.09	3579.41
	11/05/02	3605.50	28.68	25.44	3.24	2.59	26.09	3579.41
	02/25/03	3605.50	29.56	26.08	3.48	2.78	26.78	3578.72
	04/09/03	3605.50	29.18	26.28	2.90	2.32	26.86	3578.64
	06/25/03	3605.50	28.73	26.72	2.01	1.61	27.12	3578.38
	09/11/03	3605.50	29.08	26.73	2.35	1.88	27.20	3578.30
	11/05/03	3605.50	29.03	27.00	2.03	1.62	27.41	3578.09
	01/19/04	3605.50	29.77	27.00	2.77	2.22	27.55	3577.95
	04/20/04	3605.50	29.55	27.30	2.25	1.80	27.75	3577.75
	07/20/04	3605.50	29.11	27.47	1.64	1.31	27.80	3577.70
	10/25/04	3605.50	25.79	25.16	0.63	0.50	25.29	3580.21
	01/24/05	3605.50	25.12	25.10	0.02	0.02	25.10	3580.40
	02/14/05	3605.50	26.02	24.86	1.16	0.93	25.09	3580.41
MW-8 (SVE-5)	03/01/01	3605.25	24.29		0.00	0.00	24.29	3580.96
	06/25/01	3605.25	25.54		0.00	0.00	25.54	3579.71
	09/25/01	3605.25	24.82		0.00	0.00	24.82	3580.43
	12/11/01	3605.25	25.03		0.00	0.00	25.03	3580.22
	05/21/02	3605.25	25.40		0.00	0.00	25.40	3579.85
	06/08/02	3605.25	25.45		0.00	0.00	25.45	3579.80
	06/15/02	3605.25	25.47		0.00	0.00	25.47	3579.78
	10/15/02	3604.92	26.25		0.00	0.00	26.25	3578.67
	10/25/02	3604.92	26.26		0.00	0.00	26.26	3578.66
	10/26/02	3604.92	26.25		0.00	0.00	26.25	3578.67
	11/04/02	3604.92	26.00		0.00	0.00	26.00	3578.92
	11/05/02	3604.92	25.99		0.00	0.00	25.99	3578.93
	12/16/02	3604.92	25.85		0.00	0.00	25.85	3579.07
	02/14/03	3604.92	25.91	25.90	0.01	0.01	25.90	3579.02
	02/24/03	3604.92	26.00	25.95	0.05	0.04	25.96	3578.96
	01/22/03	3604.92	25.70		0.00	0.00	25.70	3579.22
	04/07/03	3604.92	26.11	26.00	0.11	0.09	26.02	3578.90
	04/24/03	3604.92	26.11	26.01	0.10	0.08	26.03	3578.89
	06/25/03	3604.92	26.96	26.39	0.57	0.46	26.50	3578.42
	09/11/03	3604.92	27.13	26.58	0.55	0.44	26.69	3578.23
	11/05/03	3604.92	26.51	26.18	0.33	0.26	26.25	3578.67
	01/19/04	3604.92	27.59	27.00	0.59	0.47	27.12	3577.80
	04/20/04	3604.92	27.56	27.11	0.45	0.36	27.20	3577.72
	07/20/04	3604.92	27.40	27.06	0.34	0.27	27.13	3577.79
	10/25/04	3604.92	26.49	25.33	1.16	0.93	25.56	3579.36
	01/24/05	3604.92	25.16	24.22	0.94	0.75	24.41	3580.51
	02/14/05	3604.92	24.96	23.85	1.11	0.89	24.07	3580.85
MW-9 (RW-2)	03/01/01	3605.75	26.82	23.68	3.14	2.51	24.31	3581.44
	06/25/01	3605.75	24.79	24.73	0.06	0.05	24.74	3581.01
	09/25/01	3605.75	26.28	25.90	0.38	0.30	25.98	3579.77
	12/11/01	3605.75	28.73	25.49	3.24	2.59	26.14	3579.61
	05/22/02	3605.75	27.64	26.19	1.45	1.16	26.48	3579.27
	11/05/02	3605.75	29.15	25.83	3.32	2.66	26.49	3579.26
	02/25/03	3605.75	28.62	26.38	2.24	1.79	26.83	3578.92
	04/09/03	3605.75	28.24	26.30	1.94	1.55	26.69	3579.06
	04/22/03	3605.75	28.95	26.30	2.65	2.12	26.83	3578.92
	06/25/03	3605.75	29.08	27.02	2.06	1.65	27.43	3578.32

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-9 (RW-2) cont.	09/11/03	3605.75	29.25	27.22	2.03	1.62	27.63	3578.12
	11/05/03	3605.75	29.30	27.35	1.95	1.56	27.74	3578.01
	01/19/04	3605.75	29.94	28.50	1.44	1.15	28.79	3576.96
	04/20/04	3605.75	29.04	28.91	0.13	0.10	28.94	3576.81
	07/20/04	3605.75	30.09	28.58	1.51	1.21	28.88	3576.87
	10/25/04	3605.75	27.34	27.22	0.12	0.10	27.24	3578.51
	12/29/04	3605.75	26.45	26.44	0.01	0.01	26.44	3579.31
	01/24/05	3605.75	26.23		0.00	0.00	26.23	3579.52
	02/14/05	3605.75	26.13		0.00	0.00	26.13	3579.62
MW-10 (RW-6)	03/01/01	3604.94	25.57	23.53	2.04	1.63	23.94	3581.00
	06/25/01	3604.94	25.95	23.75	2.20	1.76	24.19	3580.75
	09/25/01	3604.94	24.47		0.00	0.00	24.47	3580.47
	12/11/01	3604.94	26.31	24.27	2.04	1.63	24.68	3580.26
	05/22/02	3604.94	25.50	25.00	0.50	0.40	25.10	3579.84
	11/05/02	3604.94	28.84	25.33	3.51	2.81	26.03	3578.91
	02/25/03	3604.94	28.41	25.26	3.15	2.52	25.89	3579.05
	04/09/03	3604.94	28.15	25.48	2.67	2.14	26.01	3578.93
	06/25/03	3604.94	27.73	25.96	1.77	1.42	26.31	3578.63
	09/11/03	3604.94	28.36	26.34	2.02	1.62	26.74	3578.20
	11/05/03	3604.94	28.17	26.20	1.97	1.58	26.59	3578.35
	01/19/04	3604.94	28.36	26.30	2.06	1.65	26.71	3578.23
	04/20/04	3604.94	28.49	26.53	1.96	1.57	26.92	3578.02
	07/20/04	3604.94	28.03	26.72	1.31	1.05	26.98	3577.96
	10/25/04	3604.94	26.36	25.24	1.12	0.90	25.46	3579.48
	01/24/05	3604.94	24.57	24.14	0.43	0.34	24.23	3580.71
	02/14/05	3604.94	24.96	23.99	0.97	0.78	24.18	3580.76
MW-11 (RW-7)	03/01/01	3608.06	27.09		0.00	0.00	27.09	3580.97
	06/25/01	3608.06	27.30		0.00	0.00	27.30	3580.76
	09/25/01	3608.06	28.26	27.51	0.75	0.60	27.66	3580.40
	12/11/01	3608.06	28.36	27.50	0.86	0.69	27.67	3580.39
	05/21/02	3608.06	29.67	27.60	2.07	1.66	28.01	3580.05
	06/16/02	3608.06	30.95	28.48	2.47	1.98	28.97	3579.09
	10/25/02	3608.06	30.73	27.90	2.83	2.26	28.47	3579.59
	11/04/02	3608.06	30.81	27.95	2.86	2.29	28.52	3579.54
	11/05/02	3608.06	30.97	27.92	3.05	2.44	28.53	3579.53
	02/24/03	3608.06	30.96	28.97	1.99	1.59	29.37	3578.69
	11/05/02	3608.06	30.57	29.83	0.74	0.59	29.98	3578.08
	02/25/03	3608.06	30.90	28.71	2.19	1.75	29.15	3578.91
	04/09/03	3608.06	30.96	28.97	1.99	1.59	29.37	3578.69
	09/11/03	3608.06	30.74	29.06	1.68	1.34	29.40	3578.66
	11/05/03	3608.06	31.25	29.82	1.43	1.14	30.11	3577.95
	01/19/04	3608.06	30.94	30.23	0.71	0.57	30.37	3577.69
	04/20/04	3608.06	30.53	30.48	0.05	0.04	30.49	3577.57
	07/20/04	3608.06	31.16	30.33	0.83	0.66	30.50	3577.56
	10/25/04	3608.06	29.10		0.00	0.00	29.10	3578.96
	01/24/05	3608.06	28.04	28.03	0.01	0.01	28.03	3580.03
MW-12 (SVE-9)	03/01/01	3604.40	23.87		0.00	0.00	23.87	3580.53
	06/25/01	3604.40	24.14		0.00	0.00	24.14	3580.26
	09/25/01	3604.40	24.38		0.00	0.00	24.38	3580.02
	12/11/01	3604.40	24.62		0.00	0.00	24.62	3579.78
	05/21/02	3604.40	24.96		0.00	0.00	24.96	3579.44
	06/08/02	3604.40	25.64		0.00	0.00	25.64	3578.76

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-12 (SVE-9) cont.	06/15/02	3604.40	25.64		0.00	0.00	25.64	3578.76
	10/25/02	3604.14	25.83		0.00	0.00	25.83	3578.31
	10/26/02	3604.14	25.84		0.00	0.00	25.84	3578.30
	11/04/02	3604.14	25.66		0.00	0.00	25.66	3578.48
	11/05/02	3604.14	25.54		0.00	0.00	25.54	3578.60
	12/16/02	3604.14	25.52		0.00	0.00	25.52	3578.62
	01/22/03	3604.14	25.50		0.00	0.00	25.50	3578.64
	04/24/03	3604.14	25.58		0.00	0.00	25.58	3578.56
	09/11/03	3604.14	26.08		0.00	0.00	26.08	3578.06
	10/15/03	3604.14	26.33		0.00	0.00	26.33	3577.81
	01/19/04	3604.14	26.68		0.00	0.00	26.68	3577.46
	04/19/04	3604.14	26.57		0.00	0.00	26.57	3577.57
	07/20/04	3604.14	26.72		0.00	0.00	26.72	3577.42
	10/25/04	3604.14	25.07		0.00	0.00	25.07	3579.07
	01/24/05	3604.14	23.85		0.00	0.00	23.85	3580.29
MW-13	03/01/01	3604.31	24.70		0.00	0.00	24.70	3579.61
	06/25/01	3604.31	24.95		0.00	0.00	24.95	3579.36
	09/25/01	3604.31	25.23		0.00	0.00	25.23	3579.08
	12/11/01	3604.31	25.48		0.00	0.00	25.48	3578.83
	05/21/02	3604.31	25.79		0.00	0.00	25.79	3578.52
	06/15/02	3604.31	25.85		0.00	0.00	25.85	3578.46
	09/20/02	3604.31	25.97		0.00	0.00	25.97	3578.34
	10/15/02	3604.31	26.11		0.00	0.00	26.11	3578.20
	10/22/02	3604.31	26.11		0.00	0.00	26.11	3578.20
	10/25/02	3604.31	26.13		0.00	0.00	26.13	3578.18
	10/26/02	3604.31	26.12		0.00	0.00	26.12	3578.19
	11/04/02	3604.31	26.05		0.00	0.00	26.05	3578.26
	11/05/02	3604.31	26.06		0.00	0.00	26.06	3578.25
	11/22/02	3604.31	26.01		0.00	0.00	26.01	3578.30
	11/29/02	3604.31	25.95		0.00	0.00	25.95	3578.36
	01/22/03	3604.31	25.88		0.00	0.00	25.88	3578.43
	02/14/03	3604.31	25.93		0.00	0.00	25.93	3578.38
	02/24/03	3604.31	25.96		0.00	0.00	25.96	3578.35
	04/24/03	3604.31	26.14		0.00	0.00	26.14	3578.17
	07/15/03	3604.31	26.40		0.00	0.00	26.40	3577.91
	09/11/03	3604.31	26.55		0.00	0.00	26.55	3577.76
	10/15/03	3604.31	26.71		0.00	0.00	26.71	3577.60
	01/19/04	3604.31	26.98		0.00	0.00	26.98	3577.33
	04/19/04	3604.31	26.95		0.00	0.00	26.95	3577.36
	07/20/04	3604.31	26.81		0.00	0.00	26.81	3577.50
	10/25/04	3604.31	24.95		0.00	0.00	24.95	3579.36
	01/24/05	3604.31	23.64		0.00	0.00	23.64	3580.67
MW-14 (SVE-11)	03/01/01	3604.11	23.96		0.00	0.00	23.96	3580.15
	06/25/01	3604.11	24.14		0.00	0.00	24.14	3579.97
	09/25/01	3604.11	24.45		0.00	0.00	24.45	3579.66
	12/11/01	3604.11	24.63		0.00	0.00	24.63	3579.48
	05/21/02	3604.11	25.00		0.00	0.00	25.00	3579.11
	06/15/02	3604.11	25.08		0.00	0.00	25.08	3579.03
	10/15/02	3603.77	25.82		0.00	0.00	25.82	3577.95
	01/22/03	3603.77	25.90		0.00	0.00	25.90	3577.87
	04/24/03	3603.77	25.92		0.00	0.00	25.92	3577.85
	07/15/03	3603.77	26.11		0.00	0.00	26.11	3577.66
	09/11/03	3603.77	26.26		0.00	0.00	26.26	3577.51

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-14 (SVE-11) cont.	10/15/03	3603.77	26.41		0.00	0.00	26.41	3577.36
	01/19/04	3603.77	26.68		0.00	0.00	26.68	3577.09
	04/19/04	3603.77	26.61		0.00	0.00	26.61	3577.16
	07/20/04	3603.77	26.75		0.00	0.00	26.75	3577.02
	10/25/04	3603.77	24.81		0.00	0.00	24.81	3578.96
	01/24/05	3603.77	23.76		0.00	0.00	23.76	3580.01
MW-15 (SVE-12)	03/01/01	3609.78	28.26	28.20	0.06	0.05	28.21	3581.57
	06/25/01	3609.78	28.90	28.24	0.66	0.53	28.37	3581.41
	09/25/01	3609.78	NM		0.00	0.00		
	12/11/01	3609.78	NM		0.00	0.00		
	05/21/02	3609.78	29.77	28.98	0.79	0.63	29.14	3580.64
	06/08/02	3609.78	29.85	29.05	0.80	0.64	29.21	3580.57
	06/15/02	3609.23	30.42	29.65	0.77	0.62	29.80	3579.43
	10/25/02	3609.23	30.57	29.67	0.90	0.72	29.85	3579.38
	11/04/02	3609.23	30.62	29.80	0.82	0.66	29.96	3579.27
	11/22/02	3609.23	30.59	29.81	0.78	0.62	29.97	3579.26
	11/29/02	3609.23	30.59	29.70	0.89	0.71	29.88	3579.35
	02/08/03	3609.23	30.44	30.10	0.34	0.27	30.17	3579.06
	02/24/03	3609.23	30.51	30.09	0.42	0.34	30.17	3579.06
	04/07/03	3609.23	30.50	30.21	0.29	0.23	30.27	3578.96
	04/24/03	3609.23	30.44	30.24	0.20	0.16	30.28	3578.95
	11/05/02	3609.23	30.57	29.81	0.76	0.61	29.96	3579.27
	02/25/03	3609.23	30.51	30.09	0.42	0.34	30.17	3579.06
	04/09/03	3609.23	30.50	30.21	0.29	0.23	30.27	3578.96
	04/22/03	3609.23	30.49	30.27	0.22	0.18	30.31	3578.92
	06/25/03	3609.23	30.55	30.34	0.21	0.17	30.38	3578.85
	09/11/03	3609.23	30.79	30.52	0.27	0.22	30.57	3578.66
	11/05/03	3609.23	30.94	30.67	0.27	0.22	30.72	3578.51
	01/19/04	3609.23	31.11	30.87	0.24	0.19	30.92	3578.31
	04/19/04	3609.23	31.09	31.03	0.06	0.05	31.04	3578.19
	07/20/04	3609.23	31.32	31.10	0.22	0.18	31.14	3578.09
	10/25/04	3609.23	29.94		0.00	0.00	29.94	3579.29
	01/24/05	3609.23	28.72		0.00	0.00	28.72	3580.51
MW-16 (SVE-13)	03/01/01	3606.31	25.57		0.00	0.00	25.57	3580.74
	06/25/01	3606.31	25.78		0.00	0.00	25.78	3580.53
	09/25/01	3606.31	26.01		0.00	0.00	26.01	3580.30
	12/11/01	3606.31	26.21		0.00	0.00	26.21	3580.10
	05/21/02	3606.31	26.57		0.00	0.00	26.57	3579.74
	06/15/02	3606.31	26.64		0.00	0.00	26.64	3579.67
	06/16/02	3606.31	26.63		0.00	0.00	26.63	3579.68
	09/20/02	3606.31	26.80		0.00	0.00	26.80	3579.51
	10/15/02	3606.31	26.85		0.00	0.00	26.85	3579.46
	10/22/02	3606.31	26.88		0.00	0.00	26.88	3579.43
	10/25/02	3606.31	26.88		0.00	0.00	26.88	3579.43
	10/26/02	3606.31	26.88		0.00	0.00	26.88	3579.43
	11/04/02	3606.31	26.90		0.00	0.00	26.90	3579.41
	11/05/02	3606.31	26.91		0.00	0.00	26.91	3579.40
	01/22/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	02/14/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	02/24/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	04/07/03	3606.31	27.05		0.00	0.00	27.05	3579.26
	04/24/03	3606.31	27.16		0.00	0.00	27.16	3579.15
	07/14/03	3606.31	27.25		0.00	0.00	27.25	3579.06

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-16 (SVE-13) cont.	08/02/03	3606.31	27.27		0.00	0.00	27.27	3579.04
	09/11/03	3606.31	27.35		0.00	0.00	27.35	3578.96
	10/15/03	3606.31	27.49		0.00	0.00	27.49	3578.82
	01/19/04	3606.31	27.68		0.00	0.00	27.68	3578.63
	04/19/04	3606.31	27.78		0.00	0.00	27.78	3578.53
	07/20/04	3606.31	27.89		0.00	0.00	27.89	3578.42
	10/25/04	3606.31	26.38		0.00	0.00	26.38	3579.93
	01/24/05	3606.31	25.11		0.00	0.00	25.11	3581.20
MW-17	03/01/01	3609.03	27.78		0.00	0.00	27.78	3581.25
	06/25/01	3609.03	27.99		0.00	0.00	27.99	3581.04
	09/25/01	3609.03	28.21		0.00	0.00	28.21	3580.82
	12/11/01	3609.03	28.39		0.00	0.00	28.39	3580.64
	05/21/02	3609.03	28.77		0.00	0.00	28.77	3580.26
	06/08/02	3609.03	28.80		0.00	0.00	28.80	3580.23
	06/13/02	3609.03	28.81		0.00	0.00	28.81	3580.22
	06/15/02	3609.03	28.81		0.00	0.00	28.81	3580.22
	09/20/02	3609.03	29.00		0.00	0.00	29.00	3580.03
	10/15/02	3609.03	29.07		0.00	0.00	29.07	3579.96
	10/22/02	3609.03	29.06		0.00	0.00	29.06	3579.97
	10/25/02	3609.03	29.06		0.00	0.00	29.06	3579.97
	10/26/02	3609.03	29.09		0.00	0.00	29.09	3579.94
	11/04/02	3609.03	29.10		0.00	0.00	29.10	3579.93
	11/05/02	3609.03	29.13		0.00	0.00	29.13	3579.90
	11/22/02	3609.03	29.16		0.00	0.00	29.16	3579.87
	12/16/02	3609.03	NM					dry
	01/22/03	3609.03	29.15		0.00	0.00	29.15	3579.88
	02/08/03	3609.03	29.16		0.00	0.00	29.16	3579.87
	02/14/03	3609.03	29.17		0.00	0.00	29.17	3579.86
	02/24/03	3609.03	29.19		0.00	0.00	29.19	3579.84
	04/24/03	3609.03	29.28		0.00	0.00	29.28	3579.75
	04/07/03	3609.03	29.23		0.00	0.00	29.23	3579.80
	07/14/03	3609.03	29.45		0.00	0.00	29.45	3579.58
	08/02/03	3609.03	29.49		0.00	0.00	29.49	3579.54
	09/11/03	3609.03	29.57		0.00	0.00	29.57	3579.46
	10/15/03	3609.03	29.70		0.00	0.00	29.70	3579.33
	01/19/04	3609.03	29.88		0.00	0.00	29.88	3579.15
	04/19/04	3609.03	NM					dry
	07/20/04	3609.03	NM					dry
	10/25/04	3609.03	28.88		0.00	0.00	28.88	3580.15
	01/24/05	3609.03	27.57		0.00	0.00	27.57	3581.46
MW-18 (SVE-13)	03/01/01	3605.71	25.59		0.00	0.00	25.59	3580.12
	06/25/01	3605.71	25.85		0.00	0.00	25.85	3579.86
	09/25/01	3605.71	26.10		0.00	0.00	26.10	3579.61
	12/11/01	3605.71	26.33		0.00	0.00	26.33	3579.38
	05/21/02	3605.71	26.70		0.00	0.00	26.70	3579.01
	06/15/02	3605.71	26.75		0.00	0.00	26.75	3578.96
	06/16/02	3605.71	26.74		0.00	0.00	26.74	3578.97
	09/20/02	3605.34	27.54		0.00	0.00	27.54	3577.80
	10/15/02	3605.34	27.55		0.00	0.00	27.55	3577.79
	10/22/02	3605.34	27.55		0.00	0.00	27.55	3577.79
	10/25/02	3605.34	27.54		0.00	0.00	27.54	3577.80
	10/26/02	3605.34	27.55		0.00	0.00	27.55	3577.79
	11/05/02	3605.34	27.35		0.00	0.00	27.35	3577.99

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-18 (SVE-13) cont.	11/22/02	3605.34	27.38		0.00	0.00	27.38	3577.96
	01/22/03	3605.34	27.43		0.00	0.00	27.43	3577.91
	02/24/03	3605.34	27.46		0.00	0.00	27.46	3577.88
	04/07/03	3605.34	27.57		0.00	0.00	27.57	3577.77
	04/24/03	3605.34	27.58		0.00	0.00	27.58	3577.76
	07/15/03	3605.34	27.78		0.00	0.00	27.78	3577.56
	08/02/03	3605.34	27.83		0.00	0.00	27.83	3577.51
	09/11/03	3605.34	28.01		0.00	0.00	28.01	3577.33
	10/15/03	3605.34	28.15		0.00	0.00	28.15	3577.19
	01/19/04	3605.34	28.42		0.00	0.00	28.42	3576.92
	04/19/04	3605.34	28.40		0.00	0.00	28.40	3576.94
	07/20/04	3605.34	28.38		0.00	0.00	28.38	3576.96
	10/25/04	3605.34	26.62		0.00	0.00	26.62	3578.72
	01/24/05	3605.34	25.37		0.00	0.00	25.37	3579.97
MW-19	03/01/01	3606.69	27.20		0.00	0.00	27.20	3579.49
	06/25/01	3606.69	27.45		0.00	0.00	27.45	3579.24
	09/25/01	3606.69	27.71		0.00	0.00	27.71	3578.98
	12/11/01	3606.69	27.93		0.00	0.00	27.93	3578.76
	05/21/02	3606.69	28.26		0.00	0.00	28.26	3578.43
	06/08/02	3606.69	28.30		0.00	0.00	28.30	3578.39
	06/15/02	3606.69	28.33		0.00	0.00	28.33	3578.36
	09/20/02	3606.69	28.54		0.00	0.00	28.54	3578.15
	10/15/02	3606.69	28.57		0.00	0.00	28.57	3578.12
	10/22/02	3606.69	28.57		0.00	0.00	28.57	3578.12
	10/25/02	3606.69	28.55		0.00	0.00	28.55	3578.14
	10/26/02	3606.69	28.58		0.00	0.00	28.58	3578.11
	11/04/02	3606.69	28.58		0.00	0.00	28.58	3578.11
	11/05/02	3606.69	28.56		0.00	0.00	28.56	3578.13
	11/22/02	3606.69	28.55		0.00	0.00	28.55	3578.14
	11/29/02	3606.69	28.54		0.00	0.00	28.54	3578.15
	12/16/02	3606.69	28.54		0.00	0.00	28.54	3578.15
	01/22/03	3606.69	28.48		0.00	0.00	28.48	3578.21
	02/08/03	3606.69	28.50		0.00	0.00	28.50	3578.19
	02/14/03	3606.69	28.51		0.00	0.00	28.51	3578.18
	02/24/03	3606.69	28.51		0.00	0.00	28.51	3578.18
	04/24/03	3606.69	28.62		0.00	0.00	28.62	3578.07
	07/15/03	3606.69	28.90		0.00	0.00	28.90	3577.79
	08/02/03	3606.69	28.93		0.00	0.00	28.93	3577.76
	09/11/03	3606.69	29.03		0.00	0.00	29.03	3577.66
	10/15/03	3606.69	29.18		0.00	0.00	29.18	3577.51
	01/19/04	3606.69	29.42		0.00	0.00	29.42	3577.27
	04/19/04	3606.69	29.40		0.00	0.00	29.40	3577.29
	07/20/04	3606.69	29.40		0.00	0.00	29.40	3577.29
	10/25/04	3606.69	27.19		0.00	0.00	27.19	3579.50
	01/24/05	3606.69	26.20		0.00	0.00	26.20	3580.49
MW-20	03/01/01	3606.25	30.24		0.00	0.00	30.24	3576.01
	06/08/01	3606.25	31.26		0.00	0.00	31.26	3574.99
	06/25/01	3606.25	31.45		0.00	0.00	31.45	3574.80
	09/25/01	3606.25	31.67		0.00	0.00	31.67	3574.58
	12/11/01	3606.25	30.84		0.00	0.00	30.84	3575.41
	05/21/02	3606.25	31.21		0.00	0.00	31.21	3575.04
	06/08/02	3606.25	31.26		0.00	0.00	31.26	3574.99
	06/13/02	3606.25	31.28		0.00	0.00	31.28	3574.97

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-20 cont.	06/15/02	3606.25	31.28		0.00	0.00	31.28	3574.97
	09/20/02	3606.25	31.46		0.00	0.00	31.46	3574.79
	10/15/02	3606.25	31.52		0.00	0.00	31.52	3574.73
	10/22/02	3606.25	31.53		0.00	0.00	31.53	3574.72
	10/25/02	3606.25	31.52		0.00	0.00	31.52	3574.73
	10/26/02	3606.25	31.54		0.00	0.00	31.54	3574.71
	11/04/02	3606.25	31.56		0.00	0.00	31.56	3574.69
	11/05/02	3606.25	31.56		0.00	0.00	31.56	3574.69
	11/22/02	3606.25	31.59		0.00	0.00	31.59	3574.66
	11/29/02	3606.25	31.56		0.00	0.00	31.56	3574.69
	12/16/02	3606.25	31.65		0.00	0.00	31.65	3574.60
	01/22/03	3606.25	31.60		0.00	0.00	31.60	3574.65
	02/08/03	3606.25	31.65		0.00	0.00	31.65	3574.60
	02/14/03	3606.25	31.64		0.00	0.00	31.64	3574.61
	02/24/03	3606.25	31.64		0.00	0.00	31.64	3574.61
	04/07/03	3606.25	31.75		0.00	0.00	31.75	3574.50
	04/24/03	3606.25	31.76		0.00	0.00	31.76	3574.49
	07/15/03	3606.25	31.90		0.00	0.00	31.90	3574.35
	08/02/03	3606.25	31.95		0.00	0.00	31.95	3574.30
	09/11/03	3606.25	32.04		0.00	0.00	32.04	3574.21
	10/15/03	3606.25	32.17		0.00	0.00	32.17	3574.08
	01/19/04	3606.25	32.35		0.00	0.00	32.35	3573.90
	04/19/04	3606.25	32.46		0.00	0.00	32.46	3573.79
	07/20/04	3606.25	32.59		0.00	0.00	32.59	3573.66
	10/25/04	3606.25	31.22		0.00	0.00	31.22	3575.03
	01/24/05	3606.25	29.97		0.00	0.00	29.97	3576.28
MW-21	06/08/02	3603.51	24.62		0.00	0.00	24.62	3578.89
	06/13/02	3603.51	24.61		0.00	0.00	24.61	3578.90
	06/15/02	3603.51	24.63		0.00	0.00	24.63	3578.88
	09/20/02	3603.51	24.81		0.00	0.00	24.81	3578.70
	10/15/02	3603.51	24.86		0.00	0.00	24.86	3578.65
	10/22/02	3603.51	24.88		0.00	0.00	24.88	3578.63
	10/25/02	3603.51	24.92		0.00	0.00	24.92	3578.59
	10/26/02	3603.51	24.92		0.00	0.00	24.92	3578.59
	11/04/02	3603.51	24.93		0.00	0.00	24.93	3578.58
	11/05/02	3603.51	24.90		0.00	0.00	24.90	3578.61
	11/22/02	3603.51	24.87		0.00	0.00	24.87	3578.64
	11/29/02	3603.51	24.90		0.00	0.00	24.90	3578.61
	12/16/02	3603.51	24.95		0.00	0.00	24.95	3578.56
	01/22/03	3603.51	24.88		0.00	0.00	24.88	3578.63
	02/08/03	3603.51	24.89		0.00	0.00	24.89	3578.62
	02/14/03	3603.51	24.89		0.00	0.00	24.89	3578.62
	02/24/03	3603.51	24.90		0.00	0.00	24.90	3578.61
	04/07/03	3603.51	25.00		0.00	0.00	25.00	3578.51
	04/24/03	3603.51	25.01		0.00	0.00	25.01	3578.50
	07/15/03	3603.51	25.20		0.00	0.00	25.20	3578.31
	08/02/03	3603.51	25.28		0.00	0.00	25.28	3578.23
	09/11/03	3603.51	25.35		0.00	0.00	25.35	3578.16
	10/15/03	3603.51	25.48		0.00	0.00	25.48	3578.03
	01/19/04	3603.51	25.68		0.00	0.00	25.68	3577.83
	04/19/04	3603.51	25.68		0.00	0.00	25.68	3577.83
	07/20/04	3603.51	25.81		0.00	0.00	25.81	3577.70
	10/25/04	3603.51	23.56		0.00	0.00	23.56	3579.95
	01/24/05	3603.51	22.70		0.00	0.00	22.70	3580.81

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-22	06/08/02	3603.27	24.20		0.00	0.00	24.20	3579.07
	06/13/02	3603.27	24.41		0.00	0.00	24.41	3578.86
	06/15/02	3603.27	24.44		0.00	0.00	24.44	3578.83
	09/20/02	3603.27	24.59		0.00	0.00	24.59	3578.68
	10/15/02	3603.27	24.69		0.00	0.00	24.69	3578.58
	10/22/02	3603.27	24.67		0.00	0.00	24.67	3578.60
	10/25/02	3603.27	24.66		0.00	0.00	24.66	3578.61
	10/26/02	3603.27	24.70		0.00	0.00	24.70	3578.57
	11/04/02	3603.27	24.63		0.00	0.00	24.63	3578.64
	11/05/02	3603.27	24.55		0.00	0.00	24.55	3578.72
	11/22/02	3603.27	24.55		0.00	0.00	24.55	3578.72
	11/29/02	3603.27	24.51		0.00	0.00	24.51	3578.76
	12/16/02	3603.27	24.50		0.00	0.00	24.50	3578.77
	01/22/03	3603.27	24.40		0.00	0.00	24.40	3578.87
	02/08/03	3603.27	24.44		0.00	0.00	24.44	3578.83
	02/14/03	3603.27	24.45		0.00	0.00	24.45	3578.82
	02/24/03	3603.27	24.50		0.00	0.00	24.50	3578.77
	04/07/03	3603.27	24.67		0.00	0.00	24.67	3578.60
	04/24/03	3603.27	24.67		0.00	0.00	24.67	3578.60
	07/15/03	3603.27	25.00		0.00	0.00	25.00	3578.27
	08/02/03	3603.27	25.09		0.00	0.00	25.09	3578.18
	09/11/03	3603.27	25.16		0.00	0.00	25.16	3578.11
	10/15/03	3603.27	25.30		0.00	0.00	25.30	3577.97
	01/19/04	3603.27	25.60		0.00	0.00	25.60	3577.67
	04/19/04	3603.27	25.59		0.00	0.00	25.59	3577.68
	07/20/04	3603.27	25.35		0.00	0.00	25.35	3577.92
	10/25/04	3603.27	23.79		0.00	0.00	23.79	3579.48
	01/24/05	3603.27	22.25		0.00	0.00	22.25	3581.02
MW-23	06/08/02	3604.62	25.15		0.00	0.00	25.15	3579.47
	06/13/02	3604.62	25.13		0.00	0.00	25.13	3579.49
	06/15/02	3604.62	25.15		0.00	0.00	25.15	3579.47
	09/20/02	3604.62	25.30		0.00	0.00	25.30	3579.32
	10/15/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	10/22/02	3604.62	25.38		0.00	0.00	25.38	3579.24
	10/25/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	10/26/02	3604.62	25.39		0.00	0.00	25.39	3579.23
	11/04/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	11/05/02	3604.62	25.40		0.00	0.00	25.40	3579.22
	11/22/02	3604.62	25.41		0.00	0.00	25.41	3579.21
	11/29/02	3604.62	25.34		0.00	0.00	25.34	3579.28
	12/16/02	3604.62	25.15		0.00	0.00	25.15	3579.47
	01/22/03	3604.62	25.15		0.00	0.00	25.15	3579.47
	02/08/03	3604.62	25.17		0.00	0.00	25.17	3579.45
	02/14/03	3604.62	25.26		0.00	0.00	25.26	3579.36
	02/24/03	3604.62	25.40		0.00	0.00	25.40	3579.22
	04/07/03	3604.62	25.45		0.00	0.00	25.45	3579.17
	04/24/03	3604.62	25.48		0.00	0.00	25.48	3579.14
	07/15/03	3604.62	25.70		0.00	0.00	25.70	3578.92
	08/02/03	3604.62	25.77		0.00	0.00	25.77	3578.85
	09/11/03	3604.62	25.85		0.00	0.00	25.85	3578.77
	10/15/03	3604.62	26.02		0.00	0.00	26.02	3578.60
	01/19/04	3604.62	26.31		0.00	0.00	26.31	3578.31

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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-23 cont.	04/19/04	3604.62	26.34		0.00	0.00	26.34	3578.28
	07/20/04	3604.62	26.17		0.00	0.00	26.17	3578.45
	10/25/04	3604.62	24.56		0.00	0.00	24.56	3580.06
	01/24/05	3604.62	23.25		0.00	0.00	23.25	3581.37
SVE-10	06/15/02	3605.12	25.24		0.00	0.00	25.24	3579.88
	11/04/02	3605.12	25.43		0.00	0.00	25.43	3579.69
	11/05/02	3605.12	25.44		0.00	0.00	25.44	3579.68
	11/22/02	3605.12	25.58		0.00	0.00	25.58	3579.54
	11/29/02	3605.12	25.63		0.00	0.00	25.63	3579.49
	12/16/02	3605.12	25.68		0.00	0.00	25.68	3579.44
	01/22/03	3605.12	25.70		0.00	0.00	25.70	3579.42
	02/08/03	3605.12	25.73		0.00	0.00	25.73	3579.39
	02/14/03	3605.12	25.70		0.00	0.00	25.70	3579.42
	02/24/03	3605.12	25.73		0.00	0.00	25.73	3579.39
	04/07/03	3605.12	25.93		0.00	0.00	25.93	3579.19
	04/24/03	3605.12	25.84		0.00	0.00	25.84	3579.28
	07/15/03	3605.12	25.86		0.00	0.00	25.86	3579.26
	08/02/03	3605.12	25.93		0.00	0.00	25.93	3579.19
	10/15/03	3605.12	25.94		0.00	0.00	25.94	3579.18
	01/19/04	3605.12	26.79		0.00	0.00	26.79	3578.33
	04/19/04	3605.12	26.62		0.00	0.00	26.62	3578.50
	07/20/04	3605.12	26.86		0.00	0.00	26.86	3578.26
	10/25/04	3605.12	25.22		0.00	0.00	25.22	3579.90
	01/24/05	3605.12	24.01		0.00	0.00	24.01	3581.11

Notes:

L.P.H. = Liquid Phase Hydrocarbon

NM = Not Measured

Blank Fields Indicate No Data

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-4	04/22/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-4	07/22/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-4	10/28/04	2.0	<1.0	<1.0	<3.0	2	<0.10	0.19
MW-4	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.19
MW-5	04/22/04	20	23	2.1	3.5	48.6	0.32	<0.20
MW-5	04/22/04 D	21	27	2.4	6.1	56.5	0.37	<0.20
MW-5	07/23/04	11	10	1.2	<3.0	22.2	0.13	<0.048
MW-5	10/28/04	28	29	1.5	8.1	66.6	0.20	0.077
MW-5	01/26/05	8.9	9.1	2.0	4.9	24.9	<0.10	0.069
MW-5	01/26/05 D	8.7	9.0	1.9	4.8	24.4	<0.10	0.098
MW-12	04/21/04	2,900	<10	95	150	3,145	11	<0.20
MW-12	07/23/04	3,200	<10	66	160	3,426	12	0.33
MW-12	07/23/04 D	3,300	<10	71	160	3,531	12	0.33
MW-12	10/28/04	3,200	16	46	140	3,402	14	0.52
MW-12	01/27/05	4,000	<20	66	130	4,196	15	1.2
MW-12	01/27/05 D	3,900	<20	67	130	4,097	15	1.3
MW-13	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-13	07/22/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-13	10/27/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-13	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-14	04/21/04	5.2	<1.0	<1.0	<3.0	5.2	<0.10	<0.20
MW-14	07/22/04	4.0	<1.0	<1.0	<3.0	4.0	<0.10	0.059
MW-14	10/28/04	2.4	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-14	01/26/05	6.1	<1.0	<1.0	<3.0	6.1	<0.10	<0.048
MW-16	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-16	07/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-16	10/26/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.087
MW-16	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-17	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-18	04/21/04	360	<1.0	69	55	484	3.0	<0.20
MW-18	07/22/04	520	<1.0	110	70	700	4.0	0.15
MW-18	10/28/04	300	<1.0	8.7	19	327.7	1.6	0.12
MW-18	01/26/05	310	<1.0	14	24	348	1.8	0.15
MW-19	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-19	07/22/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-19	10/27/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-19	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-20	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-20	07/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-20	10/26/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-20	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-21	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-21	07/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-21	10/26/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.090
MW-21	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-22	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-22	07/22/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-22	10/27/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-22	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-23	04/21/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.20
MW-23	07/22/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-23	10/27/04	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-23	01/26/05	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.048
MW-24	07/22/04	400	36	37	35	508	2.2	0.45
MW-24	10/27/04	48	4.9	11	<3.0	63.9	0.65	0.33
MW-24	01/26/05	80	<1.0	17	12	109	0.65	0.32
MW-25	07/22/04	5.8	<1.0	28	25	58.8	0.71	0.094
MW-25	10/27/04	7.1	<1.0	36	9.9	53.0	0.63	0.35
MW-25	01/26/05	3.4	<1.0	25	8.9	37.3	0.28	0.29
SVE-10	04/22/04	110	<1.0	11	<3.0	121	0.41	0.35
SVE-10	07/23/04	77	<1.0	14	<3.0	91	0.46	0.48
SVE-10	10/28/04	24	1.5	10	7.8	43.3	0.40	1.2
SVE-10	01/27/05	12	<1.0	12	<3.0	24	0.19	0.68

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

BDL = below detection limit

D = duplicate sample

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TVPH (mg/L)	TEPH (mg/L)
MW-3	01/23/03	1,440	19	30	79	5.56	13.6
MW-4	01/13/00	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
	04/06/00	19	0.83	1.2	3.2	<1.0	<1.0
	08/02/00	2	<0.5	<0.5	<2	<0.98	<0.98
	11/15/00	24	0.64	0.6	<2	0.52	<0.50
	03/06/01	110	1.6	9.4	16	1.7	<0.55
	06/25/01	66	0.73	1.3	<2	0.83	<0.59
	09/26/01	80	0.5	3.9	5.7	0.55	<0.50
	12/12/01	39	1.5	<1.00	<1.00	0.369	<0.101
	05/21/02	78	7.9	1.5	5.7	0.567	<0.103
	10/16/02	45	<1.0	2.5	5.3	0.177	<0.102
	01/23/03	268	160	7.5	88.5	1.58	0.141
	04/25/03	589	372	16.1	114	2.4	0.159
	07/14/03	54.9	45.7	4.7	11.3	0.405	<0.10
	10/17/03	6.8	2.8	<1.0	<3.0	<0.10	0.59
	01/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/28/04	2.0	<1.0	<1.0	<3.0	<0.10	0.19
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.19
MW-5	01/13/00	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
	04/06/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	<0.5	<0.5	<0.5	<2	<0.99	<0.99
	11/15/00	1.2	0.78	<0.5	<2	0.26	0.92
	03/06/01	8.1	7	0.65	<2	0.66	<0.54
	06/25/01	19	26	2.3	<2	0.87	<0.53
	09/26/01	85	46	2.8	18	0.76	<0.50
	12/12/01	164	106	7.3	50	1.42	<0.101
	05/21/02	146	119	11.1	32	1.23	<0.101
	10/16/02	273	179	<10	42	1.60	0.188
	01/23/03	1,980	1,480	68	594	10	0.548
	04/25/03	1,190	863	58	318	6.37	0.256
	07/14/03	119	123	13.4	42.1	0.842	<0.10
	10/17/03	22	22	3	9.7	<0.10	0.99
	01/22/04	32	12	1.1	<3.0	0.16	<0.048
	04/22/04	20	23	2.1	3.5	0.32	<0.20
	04/22/04 D	21	27	2.4	6.1	0.37	<0.20
	07/23/04	11	10	1.2	<3.0	0.13	<0.048
	10/28/04	28	29	1.5	8.1	0.20	0.077
	01/26/05	8.9	9.1	2.0	4.9	<0.10	0.069
	01/26/05 D	8.7	9.0	1.9	4.8	<0.10	0.098
MW-6	01/13/00	3,300	2,000	240	580	<2.0	<2.0
	04/06/00	3,900	1,100	270	540	<1.0	<1.0
MW-8	01/13/00	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
	04/06/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	<0.5	<0.5	<0.5	<2	<0.94	<0.94
	11/15/00	<0.5	<0.5	<0.5	<2	<1.0	0.86
	03/06/01	<0.5	<0.5	<0.5	<2	<1.0	<0.54

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TVPH (mg/L)	TEPH (mg/L)
MW-8 cont.	06/25/01	<0.5	<0.5	<0.5	<2	<0.10	<0.55
	09/26/01	54	0.6	<0.5	2.4	0.24	<0.50
	12/12/01	593	18	8.5	48	1.56	0.107
	05/21/02	912	56.9	50	91.7	2.90	<0.101
	10/16/02	NA	NA	NA	NA	NA	0.269
	01/22/03	2,520	406	252	398	10.5	1.73
MW-10	01/13/00	4,100	490	440	720	<2.0	<2.0
	04/06/00	400	53	66	98	<1.0	<1.0
	08/02/00	220	12	27	55	<1.10	<1.10
MW-11	04/06/00	4,100	2,400	290	420	1.60	1.60
	08/02/00	3,900	2,100	260	510	2.50	2.50
	11/15/00	4,800	2,500	220	350	30	<0.53
	03/06/01	5,300	3,400	340	580	41	0.59
	06/25/01	5,100	3,700	340	<40	49	0.87
MW-12	04/06/00	2,000	200	110	200	<1.20	<1.20
	08/02/00	2,900	22	97	160	<0.97	<0.97
	11/15/00	4,100	87	170	220	21	1.40
	03/06/01	4,300	120	210	290	24	<0.56
	06/25/01	4,100	120	220	<40	30	1.10
	09/26/01	3,300	120	150	200	19	0.85
	12/12/01	3,520	290	258	376	18.5	0.285
	05/21/02	4,040	265	195	284	16.4	0.104
	10/16/02	NA	NA	NA	NA	NA	0.351
	01/23/03	3,610	346	261	437	20.1	0.442
	04/25/03	3,510	202	78	437	13.2	0.594
	07/14/03	3,900	316	357	575	17.1	0.598
	10/20/03	1,900	30	130	220	6.40	0.23
	01/21/04	2,700	130	300	450	12	0.25
	04/21/04	2,900	<10	95	150	11	<0.20
	07/23/04	3,200	<10	66	160	12	0.33
	07/23/04 D	3,300	<10	71	160	12	0.33
	10/28/04	3,200	16	46	140	14	0.52
	01/27/05	4,000	<20	66	130	15	1.2
	01/27/05 D	3,900	<20	67	130	15	1.3
MW-13	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	<0.5	<0.5	<0.5	<2	<0.99	<0.99
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	1.10
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	0.50
	06/25/01	480	1	<0.5	<2	2	<0.53
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.51
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	0.132
	05/21/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	10/16/02	NA	NA	NA	NA	NA	<0.102
	01/22/03	<1	<1	<1	<1	<0.10	<0.105
	04/24/03	<1	<1	<1	<1	<0.10	<0.105
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.112
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.26

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TVPH (mg/L)	TEPH (mg/L)
MW-13 cont.	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-14	06/02/00	370	5.3	1.7	11	<1.0	<1.0
	08/02/00	760	1.9	2.9	13	<1.0	<1.0
	11/15/00	840	0.9	<0.5	11	2.6	1.5
	03/06/01	730	<2.5	<2.5	11	2.8	<0.56
	06/25/01	340	0.82	<0.5	<2	1.4	NS
	09/26/01	370	<1.0	<1.0	<4.0	0.96	<0.50
	12/12/01	393	<10	<10	<10	0.89	0.148
	05/21/02	42.1	<1.00	<1.00	<1.00	<0.10	<0.101
	10/16/02	228	<1.00	<1.00	<1.00	0.629	0.206
	01/23/03	130	<1.00	<1.00	<1.00	0.375	0.108
	04/25/03	24.9	<1.00	<1.00	<1.00	0.10	0.104
	07/14/03	56.6	<1.0	<1.0	<1.0	0.264	0.215
	10/20/03	<1.0	<1.0	<1.0	<3.0	0.11	0.14
	01/21/04	34	<1.0	<1.0	<3.0	0.18	0.12
	04/21/04	5.2	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	4.0	<1.0	<1.0	<3.0	<0.10	0.059
	10/28/04	2.4	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	6.1	<1.0	<1.0	<3.0	<0.10	<0.048
MW-15	06/02/00	830	770	130	170	2.1	2.1
	08/02/00	330	250	42	52	2.8	2.8
	11/15/00	2,000	2,000	470	650	29	3.0
MW-16	06/02/00	0.94	0.96	21	6.9	<1.0	<1.0
	08/02/00	<0.5	<0.5	13	<2	<1.0	<1.0
	11/15/00	<0.5	1.10	4	<2	0.20	<0.50
	03/06/01	<0.5	1.20	7.6	<2	0.31	<0.56
	06/25/01	<0.5	<0.5	<0.5	<2	0.30	<0.56
	09/26/01	<0.5	1.20	<0.5	<2	0.19	<0.50
	12/12/01	1.80	<1.00	<1.00	<1.00	0.132	0.248
	05/21/02	1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	10/15/02	NA	NA	NA	NA	NA	NA
	01/22/03	1.00	<1	<1	<1	<0.10	0.124
	04/24/03	<1	<1	<1	<1	<0.10	0.124
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.276
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.98
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.087
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-17	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	6	<0.5	9.3	<2	<0.97	<0.97
	11/15/00	3.9	1.9	5.4	2.1	0.65	5.6
	03/06/01	6.8	1.9	39	14	0.98	<0.54

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TVPH (mg/L)	TEPH (mg/L)
MW-17 cont.	06/25/01	1.3	<0.5	0.7	<2	0.44	NS
	09/26/01	1.4	2.2	1.2	<2	0.49	<0.50
	12/12/01	8	<1.00	50.4	40.1	1.12	1.82
	05/21/02	4	<1.00	1.8	<1.00	0.423	0.834
	10/15/02	<1.00	<1.00	<1.00	<1.00	0.105	NA
	01/22/03	<1	<1	<1	<1	<1.0	0.124
	04/24/03	<1	<1	<1	<1	<1.0	0.124
	07/14/03	<1.00	<1	<1	<1	<1.0	0.126
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-18	06/02/00	600	0.66	120	45	<1.0	<1.0
	08/02/00	780	<0.5	150	46	<0.99	<0.99
	11/15/00	850	0.94	93	50	4.60	1.10
	03/06/01	840	<2.5	160	65	8.70	<0.55
	06/25/01	660	2.6	150	<2	1.0	0.59
	09/26/01	500	<5.0	93	39	4.4	<0.51
	12/12/01	529	<10	127	54	4.05	0.261
	05/21/02	483	<1.00	105	52	4.48	<0.101
	10/16/02	NA	NA	NA	NA	NA	0.174
	01/23/03	121	<1	11	16.2	1.86	<0.10
	04/25/03	591	<1	135	61.1	4.08	0.183
	07/14/03	589	<10	219	101	6.39	0.438
	10/20/03	300	2.3	<1.0	<3.0	1.90	0.13
	01/21/04	260	<1.0	130	73	4.30	0.11
	04/21/04	360	<1.0	69	55	3.0	<0.20
	07/22/04	520	<1.0	110	70	4.0	0.15
	10/28/04	300	<1.0	8.7	19	1.6	0.12
	01/26/05	310	<1.0	14	24	1.8	0.15
MW-19	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	1.8	6.3	<0.5	11.2	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	<0.51
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	<0.55
	06/25/01	<0.5	0.58	<0.5	<2	<0.10	<0.56
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.54
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	05/21/02	<1.00	<1.00	<1.00	<1.00	0.106	<0.101
	10/15/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	01/22/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	<0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.17
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-20	06/02/00	<0.5	<0.5	<0.5	<2	<1.0	<1.0
	08/02/00	4	3.8	4.1	12.7	<1.0	<1.0
	11/15/00	<0.5	<0.5	<0.5	<2	<0.10	1.20
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	0.55

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TVPH (mg/L)	TEPH (mg/L)
MW-20 cont.	06/25/01	<0.5	0.7	<0.5	<2	<0.10	<0.56
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.52
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	05/21/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	10/15/02	<1.00	<1.00	<1.00	<1.00	<0.10	NA
	01/22/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.63
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-21	06/13/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/15/02	NA	NA	NA	NA	NA	<0.105
	01/22/03	<1	<1	<1	<1	<0.10	<0.116
	04/24/03	<1	<1	<1	<1	<0.10	<0.116
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	0.14
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.75
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/26/04	<1.0	<1.0	<1.0	<3.0	<0.10	0.090
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-22	06/13/02	NA	NA	NA	NA	NA	<0.10
	06/20/02	<1.0	<1.0	<1.0	<1.0	<0.10	<0.101
	10/15/02	<1.0	<1.0	<1.0	<1.0	<0.10	<0.102
	01/22/03	<1.0	<1.0	<1.0	<1.0	<0.10	<0.101
	04/24/03	<1.0	<1.0	<1.0	<1.0	<0.10	<0.101
	07/14/03	<1.00	<1.0	<1.0	<1.0	<0.10	<0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.35
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
MW-23	06/13/02	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/15/02	<1.00	<1.00	<1.00	<1.00	<0.10	0.353
	01/22/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	04/24/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.101
	07/14/03	<1.00	<1.00	<1.00	<1.00	<0.10	<0.10
	10/17/03	<1.0	<1.0	<1.0	<3.0	<0.10	0.33
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048

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

Well Number	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TVPH (mg/L)	TEPH (mg/L)
MW-24	07/22/04	400	36	37	35	2.2	0.45
	10/27/04	48	4.9	11	<3.0	0.65	0.33
	01/26/05	80	<1.0	17	12	0.65	0.32
MW-25	07/22/04	5.8	<1.0	28	25	0.71	0.094
	10/27/04	7.1	<1.0	36	9.9	0.63	0.35
	01/26/05	3.4	<1.0	25	8.9	0.28	0.29
SVE-10	01/23/03	1,120	136	188	331	8.89	0.961
	04/25/03	367	560	69	296	5.18	1.30
	07/14/03	189	29.8	26.9	85.6	1.74	0.991
	10/20/03	<1.0	<1.0	<1.0	<3.0	0.42	0.46
	01/22/04	1.7	1.0	2.0	<3.0	<0.10	0.42
	04/22/04	110	<1.0	11	<3.0	0.41	0.35
	07/23/04	77	<1.0	14	<3.0	0.46	0.48
	10/28/04	24	1.5	10	7.8	0.40	1.2
	01/27/05	12	<1.0	12	<3.0	0.19	0.68
SP-1	06/02/00	9.4	7.4	2.5	7	<1.0	<1.0

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

NA= not analyzed

TVPH = Total Volatile Petroleum Hydrocarbons (TPH-GRO)

TEPH = Total Extractable Petroleum Hydrocarbons (TPH-DRO)

D = Duplicate Sample

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

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-3	01/23/03	176			
MW-4	01/13/00	210			
	04/06/00	180			
	08/02/00	140			
	11/15/00	180			
	03/06/01	180			
	06/25/01	200			
	09/26/01	180			
	12/12/01	158			
	05/21/02	144	569	1,330	51
	10/16/02	81			
	01/23/03	173			
	04/25/03	159			
	07/14/03	166			
	10/17/03	190			
	01/22/04	176			
	04/22/04	180			
	07/22/04	192			
	10/28/04	186			
	01/26/05	173			
MW-5	01/13/00	130			
	04/06/00	130			
	08/02/00	130			
	11/15/00	180			
	03/06/01	210			
	06/25/01	240			
	09/26/01	260			
	12/12/01	216			
	05/21/02	180	619	698	29
	10/16/02	51			
	01/23/03	187			
	04/25/03	173			
	07/14/03	184			
	10/17/03	192			
	01/22/04	179			
	04/22/04	188			
	04/22/04 D	189			
	07/23/04	197			
	10/28/04	196			
	01/26/05	190			
	01/26/05 D	188			
MW-6	01/13/00	230			
	04/06/00	200			
MW-8	01/13/00	160			
	04/06/00	90			
	08/02/00	84			
	11/15/00	100			
	03/06/01	87			
	06/25/01	75			
	09/26/01	72			
	12/12/01	85			
	05/21/02	104	546	638	76
	10/16/02	42.4			
	01/22/03	106			

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

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-10	01/13/00	180			
	04/06/00	180			
	08/02/00	140			
MW-11	04/06/00	310			
	08/02/00	270			
	11/15/00	300			
	03/06/01	280			
	06/25/01	290			
MW-12	04/06/00	190			
	08/02/00	150			
	11/15/00	190			
	03/06/01	180			
	06/25/01	190			
	09/26/01	180			
	12/12/01	169			
	05/21/02	180	864	2,050	478
	10/16/02	69.5			
	01/23/03	180			
	04/25/03	179			
	07/14/03	204			
	10/20/03	197			
	01/21/04	183			
	04/21/04	188			
	07/23/04	195			
	07/23/04 D	196			
	10/28/04	196			
	01/27/05	187			
	01/27/05 D	193			
MW-13	06/02/00	91			
	08/02/00	61			
	11/15/00	63			
	03/06/01	66			
	06/25/01	200			
	09/26/01	66			
	12/12/01	69.5			
	05/21/02	58.5	617	563	23
	10/16/02	71.5			
	01/22/03	72.6			
	04/24/03	67.0			
	07/14/03	72.2			
	10/17/03	67.6			
	01/21/04	68.8			
	04/21/04	62.2			
	07/22/04	64.6			
	10/27/04	59.7			
	01/26/05	66.9			
MW-14	06/02/00	180			
	08/02/00	170			
	11/15/00	190			
	03/06/01	190			
	06/25/01	200			
	09/26/01	200			
	12/12/01	197			
	05/21/02	162	745	3,290	342

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

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-14 cont.	10/16/02	67			
	01/23/03	228			
	04/25/03	194			
	07/14/03	242			
	10/17/03	214			
	01/21/04	200			
	04/21/04	201			
	07/22/04	203			
	10/28/04	91.7			
	01/26/05	87.7			
MW-15	06/02/00	170			
	08/02/00	160			
	11/15/00	170			
MW-16	06/02/00	220			
	08/02/00	210			
	11/15/00	210			
	03/06/01	240			
	06/25/01	240			
	09/26/01	67			
	12/12/01	172			
	05/21/02	159	540	2,940	83
	10/15/02	194			
	01/22/03	206			
	04/24/03	176			
	07/14/03	190			
	10/17/03	200			
	01/21/04	182			
	04/21/04	184			
	07/21/04	185			
	10/26/04	188			
	01/26/05	178			
MW-17	06/02/00	140			
	08/02/00	110			
	11/15/00	130			
	03/06/01	130			
	06/25/01	140			
	09/26/01	130			
	12/12/01	147			
	05/21/02	132	575	1,040	202
	10/15/02	149			
	01/22/03	76.7			
	04/24/03	84.3			
	07/14/03	143			
	01/26/05	146			
MW-18	06/02/00	190			
	08/02/00	160			
	11/15/00	210			
	03/06/01	190			
	06/25/01	210			
	09/26/01	190			
	12/12/01	182			
	05/21/02	184	1,070	2,930	374
	10/16/02	102			
	01/23/03	218			

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

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-18 cont.	04/25/03	195			
	07/14/03	193			
	10/20/03	207			
	01/21/04	193			
	04/21/04	195			
	07/22/04	205			
	10/28/04	205			
	01/26/05	206			
MW-19	06/02/00	140			
	08/02/00	110			
	11/15/00	130			
	03/06/01	130			
	06/25/01	150			
	09/26/01	140			
	12/12/01	144			
	05/21/02	150	824	2,750	40
	10/15/02	180			
	01/22/03	177			
	04/24/03	161			
	07/14/03	20.3			
	10/17/03	117			
	01/21/04	169			
	04/21/04	173			
	07/22/04	177			
	10/27/04	171			
	01/26/05	187			
MW-20	06/02/00	83			
	08/02/00	66			
	11/15/00	66			
	03/06/01	62			
	06/25/01	71			
	09/26/01	210			
	12/12/01	69			
	05/21/02	72	638	1,840	26
	10/15/02	85			
	01/22/03	83.6			
	04/24/03	77.0			
	07/14/03	85.8			
	10/17/03	76.8			
	01/21/04	74.6			
	04/21/04	69.3			
	07/21/04	69.4			
	10/26/04	68.5			
	01/26/05	76.0			
MW-21	06/13/02	832			
	10/15/02	857			
	01/22/03	806			
	04/24/03	414			
	07/14/03	853			
	10/17/03	886			
	01/21/04	782			
	04/21/04	684			
	07/21/04	613			
	10/26/04	907			
	01/26/05	659			

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

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (µg/L)	Manganese (µg/L)
MW-22	06/13/02	76.5			
	10/15/02	86.5			
	01/22/03	85.7			
	04/24/03	77.0			
	07/14/03	82.0			
	10/17/03	82.8			
	01/21/04	79.4			
	04/21/04	75.3			
	07/22/04	78.3			
	10/27/04	77.5			
	01/26/05	88.3			
MW-23	06/13/02	63			
	10/15/02	36.2			
	01/22/03	58.5			
	04/24/03	130			
	07/14/03	64.6			
	10/17/03	59.2			
	01/21/04	61.3			
	04/21/04	54.8			
	07/22/04	59.0			
	10/27/04	55.5			
	01/26/05	64.8			
MW-24	07/22/04	165			
	10/27/04	151			
	01/26/05	182			
MW-25	07/22/04	116			
	10/27/04	129			
	01/26/05	143			
SVE-10	01/23/03	282			
	04/25/03	241			
	07/14/03	270			
	10/20/03	255			
	01/22/04	265			
	04/22/04	236			
	07/23/04	250			
	10/28/04	243			
	01/27/05	251			
SP-1	06/02/00	180			

Notes:

mg/L = milligrams per liter

µg/L = micrograms per liter

Blank Fields Indicate No Data

D = Duplicate Sample

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

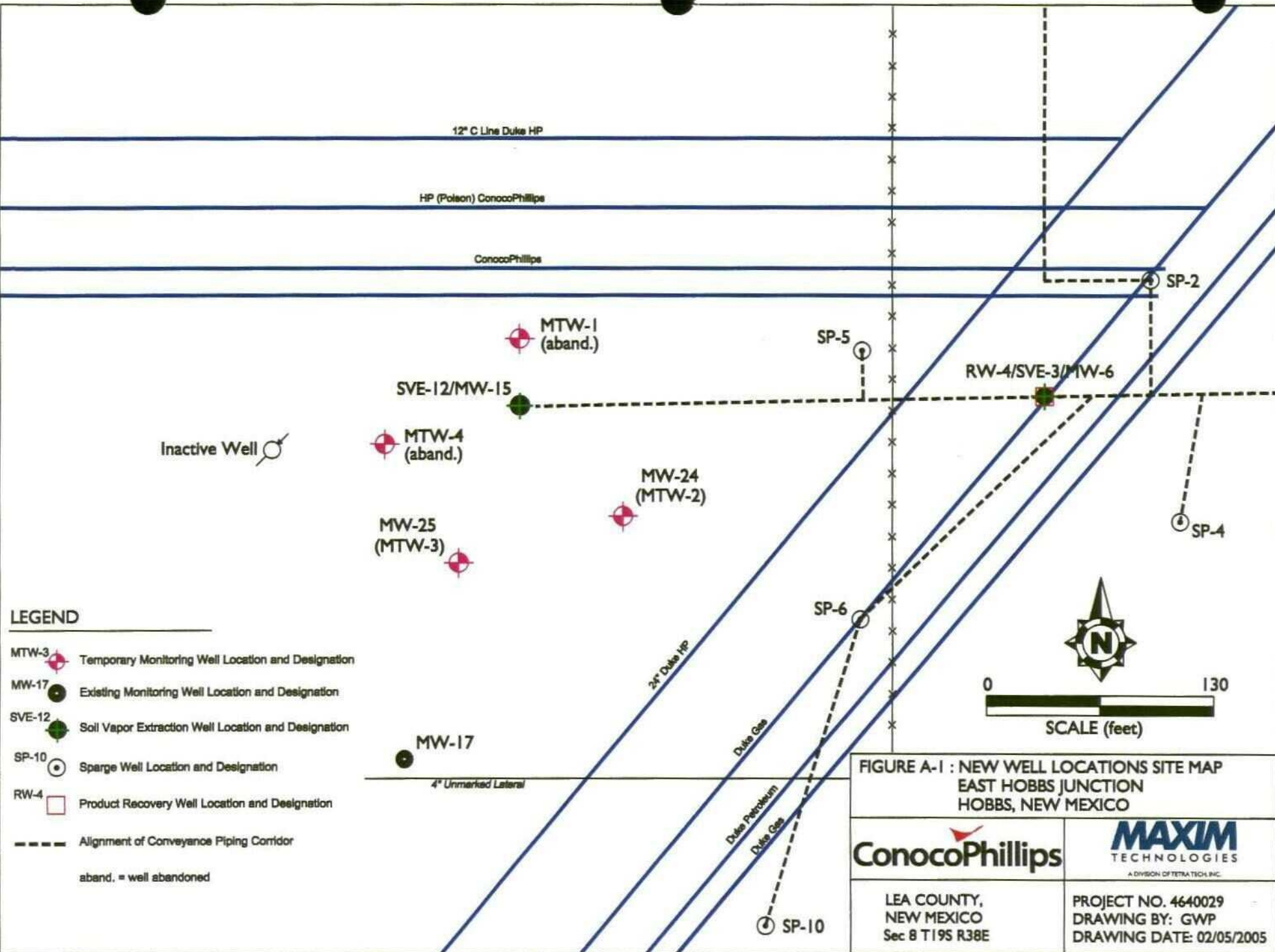
Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Average Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
10/17/2002	0	246	875	62.71	62.71	62.71	62.71	0
10/18/2002	1	447	870	113.30	87.82	87.82	150.53	1
10/21/2002	4	377	875	96.10	105.03	315.08	465.61	3
10/22/2002	5	183	875	46.65	71.38	71.38	536.98	1
10/23/2002	6	363	875	92.53	69.59	69.59	606.58	1
10/24/2002	7	405	875	103.24	97.89	97.89	704.46	1
10/25/2002	8	345	875	87.95	95.59	95.59	800.06	1
11/04/2002	18	412	875	105.03	96.49	964.86	1764.91	10
11/05/2002	19	631	875	160.85	132.94	132.94	1897.85	1
11/06/2002	20	434	870	110.00	134.97	134.97	2032.82	1
11/07/2002	21	429	875	109.36	110.00	110.00	2142.82	1
11/08/2002	22	336	865	84.67	96.39	96.39	2239.21	1
11/15/2002	29	552	865	139.11	111.89	783.22	3022.43	7
11/22/2002	36	663	875	169.01	154.86	1084.03	4106.46	7
11/29/2002	43	488	875	124.40	146.70	1026.93	5133.39	7
11/30/2002	44	534	870	135.35	129.52	129.52	5262.90	1
12/16/2002	60	389	870	98.60	116.97	1871.54	7134.44	16
12/17/2002	61	444	875	113.18	106.17	106.17	7240.62	1
12/18/2002	62	320	875	81.57	97.38	97.38	7337.99	1
12/19/2002	63	464	875	118.28	99.93	99.93	7437.92	1
12/20/2002	64	373	875	95.08	106.68	106.68	7544.60	1
01/14/2003	89	380	865	95.76	94.88	2371.97	9916.58	25
01/15/2003	90	334	870	84.66	90.48	90.48	10007.06	1
01/16/2003	91	408	875	104.01	94.57	94.57	10101.63	1
02/08/2003	114	445	870	112.79	108.10	2486.31	12587.94	23
02/14/2003	120	175	875	44.61	79.02	474.14	13062.08	6
02/24/2003	130	335	875	85.40	65.00	650.03	13712.12	10
02/25/2003	131	313	870	79.33	82.12	82.12	13794.24	1
02/26/2003	132	322	875	82.08	80.94	80.94	13875.17	1
02/27/2003	133	318	875	81.06	81.57	81.57	13956.75	1
02/28/2003	134	339	875	86.42	83.74	83.74	14040.49	1
03/13/2003	147	223	875	56.85	71.63	931.21	14971.69	13
03/14/2003	148	217	875	55.32	56.08	56.08	15027.78	1
04/07/2003	172	234	875	59.65	57.48	1379.60	16407.38	24
04/08/2003	173	195	875	49.71	54.68	54.68	16462.06	1
04/09/2003	174	188	875	47.92	48.82	48.82	16510.87	1
04/10/2003	175	155	875	39.51	43.72	43.72	16554.59	1
04/11/2003	176	141	875	35.94	37.73	37.73	16592.32	1
05/18/2003	213	227	875	57.87	46.90	1735.47	18327.79	37
05/19/2003	214	203	875	51.75	54.81	54.81	18382.59	1
06/09/2003	235	0	0	0.00	0.00	0.00	18382.59	21
07/14/2003	270	0	0	0.00	0.00	0.00	18382.59	35
07/15/2003	271	445	875	113.44	56.72	56.72	18439.31	1
07/21/2003	277	297	875	75.71	94.57	567.44	19006.75	6
07/22/2003	278	321	875	81.83	78.77	78.77	19085.52	1
08/01/2003	288	248	875	63.22	72.52	725.24	19810.76	10
08/24/2003	311	237	875	60.42	61.82	1421.79	21232.55	23
09/09/2003	327	119	875	30.33	45.37	726.00	21958.55	16
09/10/2003	328	134	875	34.16	32.25	32.25	21990.80	1
09/11/2003	329	118	870	29.91	31.94	31.94	22022.73	1
09/12/2003	330	126	875	32.12	31.10	31.10	22053.83	1
10/20/2003	368	50	875	12.75	22.43	852.44	22906.27	38
11/24/2003	403	255	875	65.00	38.87	1360.61	24266.88	35
12/30/2003	439	155	875	39.51	52.26	1881.28	26148.16	36
01/29/2004	469	147	873	37.39	38.40	1152.13	27300.29	30
02/16/2004	487	142	849	35.12	35.74	643.33	27943.62	18
02/25/2004	496	116	861	29.10	32.36	291.22	28234.84	9
03/25/2004	525	114	875	29.06	29.32	850.14	29084.99	29
04/14/2004	545	181	875	46.14	37.60	752.00	29836.99	20
04/27/2004	558	158	875	40.28	43.21	561.71	30398.70	13
05/26/2004	587	127	875	32.37	36.33	1053.44	31452.13	29
06/09/2004	601	108	875	27.53	29.95	419.34	31871.47	14
06/30/2004	622	97.6	875	24.88	26.21	550.31	32421.78	21
07/27/2004	649	104	875	26.51	25.70	693.78	33115.56	27
08/03/2004	656	94.2	875	24.01	25.26	176.83	33292.40	7
08/24/2004	677	112	875	28.55	26.28	551.92	33844.31	21
09/08/2004	692	114	875	29.06	28.81	432.08	34276.40	15
09/20/2004	704	100	875	25.49	27.28	327.31	34603.71	12
10/05/2004	719	109	875	27.79	26.64	399.58	35003.29	15
11/11/2004	756	91.9	875	23.43	25.61	947.43	35950.72	37
11/22/2004	767	72	875	18.35	20.89	229.79	36180.51	11
12/29/2004	804	66	875	16.82	17.59	650.80	36831.31	37
01/27/2005	833	54	875	13.77	15.29	443.55	37274.87	29
02/14/2005	851	35.9	875	9.15	11.46	206.25	37481.12	18
Estimated average pounds per day removed:				44.04	Total tons VOCs removed (Oct 2002-Oct 2003):		11.45	
Estimated total pounds VOCs removed:				37,481.12	Total tons VOCs removed (Feb 2004-Feb 2005):		4.62	
					Cumulative tons VOCs removed since startup:		18.74	

Notes and Calculations:

VOC Discharge (lbs/day) = ((Co (ppm)*(78 g/mole)/(24.05)*(1 g/1000 mg)*(1 m³/35.31 cf)*(1 lb/454 g)*(Q (scfm)*1440 min/day)

Where: Co = Average Effluent VOC concentration (ppm) from previous time period
 Q = flow rate of effluent air (scfm) 24.05 = gas law constant

APPENDIX A
Investigation Report



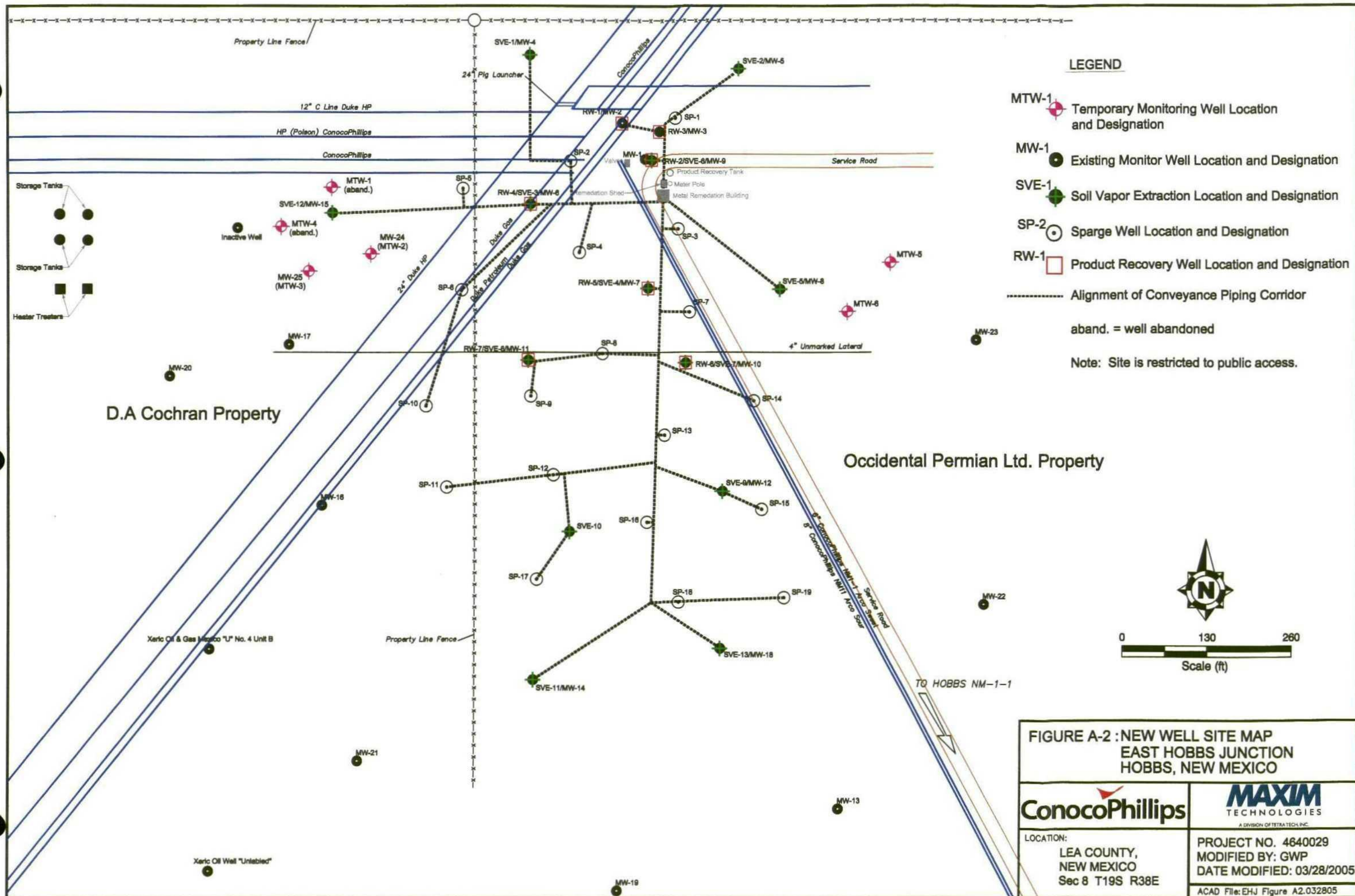


Table A-1
Summary of Soil and Groundwater Analytical Data
 ConocoPhillips
 East Hobbs Junction Investigation
 Hobbs, New Mexico

Parameter	Soil Data Analysis - Sampling Locations							
	MTW-1		MTW-2		MTW-3		MTW-4	
	0-5'	10-15'	5-10'	10-15'	5-10'	20-25'	5-10'	15-20'
Sampling Depth Interval (feet)								
Sample Date	12/17/03	12/17/03	12/17/03	12/17/03	12/17/03	12/17/03	12/17/03	12/17/03
Volatile Organics (mg/kg)								
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)								
Diesel Range	ND	ND	ND	16	ND	240	ND	ND
Gasoline Range	0.11	ND	ND	ND	ND	0.32	ND	ND
Chloride (mg/kg)	1,380	1,020	2,080	724	1,130	ND	ND	ND

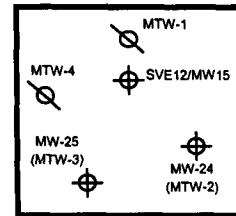
Results in milligrams per kilogram (mg/kg)
 ND = not detected at or above laboratory reporting limit

Parameter	Groundwater Data Analysis - Sample ID					
	MTW-1	MTW-2	MTW-3	MTW-4	MTW-5	MTW-6
	12/18/03	12/18/03	12/18/03	12/18/03	08/31/04	08/31/04
Sample Date						
Volatile Organics (ug/L)						
Benzene	ND	40	ND	ND	ND	14
Ethylbenzene	ND	6.0	5.5	ND	ND	1.7
Toluene	ND	11	1.8	ND	ND	9.8
Xylenes (total)	ND	6.2	5.5	ND	ND	14
TPH (mg/L)						
Diesel Range	0.42	0.60	0.26	0.14	0.054	ND
Gasoline Range	ND	0.26	ND	ND	ND	0.11
Chloride (mg/L)	146	155	114	110	103	126

Results in milligrams per liter (mg/L) or micrograms per liter (ug/L)
 ND = not detected at or above laboratory reporting limit

Soil Boring/Monitoring Well Log

Client ConocoPhillips Project No. 4640003
 Location East Hobbs Junction Driller Leonard Henson
 Boring/Well No. MTW-1 Drilling Co. Harrison & Cooper
 Surface Elevation ± 3607' Boring Dia. 5.25 in.
 Dates Drilled 12-17-03 Fluids used Air
 Logged By Greg W. Pope Depth to Water 25'
 Weather Sunny and cold

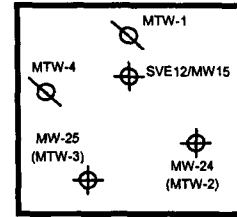


Site Map

	Description	Interval	PID	Graphic	Well Design	
0	Caliche, light brown - pink - white, dense, hard, dry with very fine grained sand, occ limestone.	0 - 5	0.3		 Bentonite Pellets Seal 2" Dia. Sch 40 PVC Well Casing 20/40 Silica Sand Filter Pack 2" Dia. 0.010" Slot Sch 40 PVC Well Screen	0
5	Caliche and very fine sand, light brown - pink - white, dense, hard, dry.	5 - 10	0.0			5
10		10 - 15	0.7			10
15	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, slight HC odor.					15
15	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, slight HC odor.	15 - 20	0.6			15
20	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, moist, slight HC odor.	20 - 25	21.3			20
25	Sand, slightly silty, light brown, very fine to fine, subrnd to subang qtz, hard, moderately cemented, wet.	25 - 30	0.4			25
30	Sand, slightly silty, light brown, very fine to fine, occ coarse, subrnd to subang qtz, hard, moderately cemented, wet.	30 - 35	0.1			30
35	TD 35 feet - abandon well from TD to surface with bentonite pellets					35

Soil Boring/Monitoring Well Log

Client ConocoPhillips Project No. 4640003
 Location East Hobbs Junction Driller Leonard Henson
 Boring/Well No. MW-24 (MTW-2) Drilling Co. Harrison & Cooper
 Surface Elevation ± 3607' Boring Dia. 5.25 in.
 Dates Drilled 12-17-03 Fluids used Air
 Logged By Greg W. Pope Depth to Water 25'
 Weather Sunny and cold

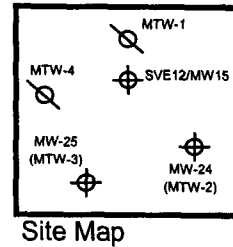


Site Map

	Description	Interval	PID	Graphic	Well Design	
0	Caliche, light brown - pink - white, dense, hard, dry with very fine grained sand, subrnd to subang qtz.	0 - 5	7.9		Bentonite Pellets Seal 2" Dia. Sch 40 PVC Well Casing 20/40 Silica Sand Filler Pack 2" Dia. 0.010" Slot Sch 40 PVC Well Screen	0
5	Caliche and very fine sand, light brown - pink - white, dense, hard, dry, slight HC odor.	5 - 10	94.7			5
10	Sand, light brown, very fine grained, subrnd to subang qtz, dense, occ moderately cemented, strong hydrocarbon odor.	10 - 15	2514			10
15	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, slight HC odor.	15 - 20	124			15
20	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, moist, hydrocarbon odor.	20 - 25	530			20
25	Sand, slightly silty, light brown, very fine to fine, subrnd to subang qtz, hard, moderately cemented, hydrocarbon odor, wet.	25 - 30	497			25
30	Sand, slightly silty, light brown, very fine to fine, subrnd to subang qtz, hard, moderately cemented, strong hydrocarbon odor, wet.	30 - 35	>9999			30
35	TD 35 feet - complete as groundwater monitoring well with upright completion					35

Soil Boring/Monitoring Well Log

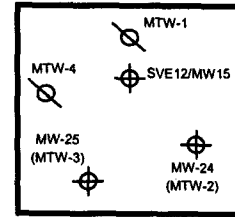
Client ConocoPhillips Project No. 4640003
 Location East Hobbs Junction Driller Leonard Henson
 Boring/Well No. MW-25 (MTW-3) Drilling Co. Harrison & Cooper
 Surface Elevation ± 3607' Boring Dia. 5.25 in.
 Dates Drilled 12-17-03 Fluids used Air
 Logged By Greg W. Pope Depth to Water 25'
 Weather Sunny and cold



	Description	Interval	PID	Graphic	Well Design	
0	Caliche, light brown - cream - white, dense, hard, dry, with very fine grained sand, occ limestone.	0 - 5	15		Bentonite Pellets Seal 2" Dia. Sch 40 PVC Well Casing 20/40 Silica Sand Filter Pack 2" Dia. 0.010" Slot Sch 40 PVC Well Screen	0
5	Sand, pink - light brown, very fine - fine grained, few coarse, subrnd to subang qtz, dense, occ moderately cemented, dry to slightly moist.	5 - 10	209.0			5
10	Sand, pink - light brown, very fine - fine grained, few coarse, subrnd to subang qtz, dense, occ moderately cemented, dry to slightly moist, slight HC odor.	10 - 15	295			10
15	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, dry to slightly moist, hydrocarbon odor.	15 - 20	225			15
20	Sand, light brown, very fine grained, subrnd qtz, occ moderately cemented, moist, strong hydrocarbon odor.	20 - 25	493			20
25	Sand, slightly silty, light brown - light gray, very fine to fine, subrnd qtz, hard, moderately cemented, wet, hydrocarbon odor.	25 - 30	41.3			25
30	Sand, slightly silty, light brown - light gray, very fine to fine, subrnd qtz, hard, moderately cemented, wet, hydrocarbon odor.	30 - 35	60.2			30
35	TD 35 feet - complete as groundwater monitoring well with upright completion					35

Soil Boring/Monitoring Well Log

Client ConocoPhillips Project No. 4640003
 Location East Hobbs Junction Driller Leonard Henson
 Boring/Well No. MTW-4 Drilling Co. Harrison & Cooper
 Surface Elevation ± 3607' Boring Dia. 5.25 in.
 Dates Drilled 12-17-03 Fluids used Air
 Logged By Greg W. Pope Depth to Water 25'
 Weather Sunny and cold

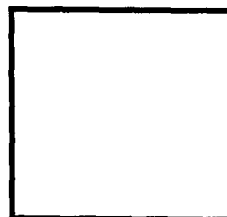


Site Map

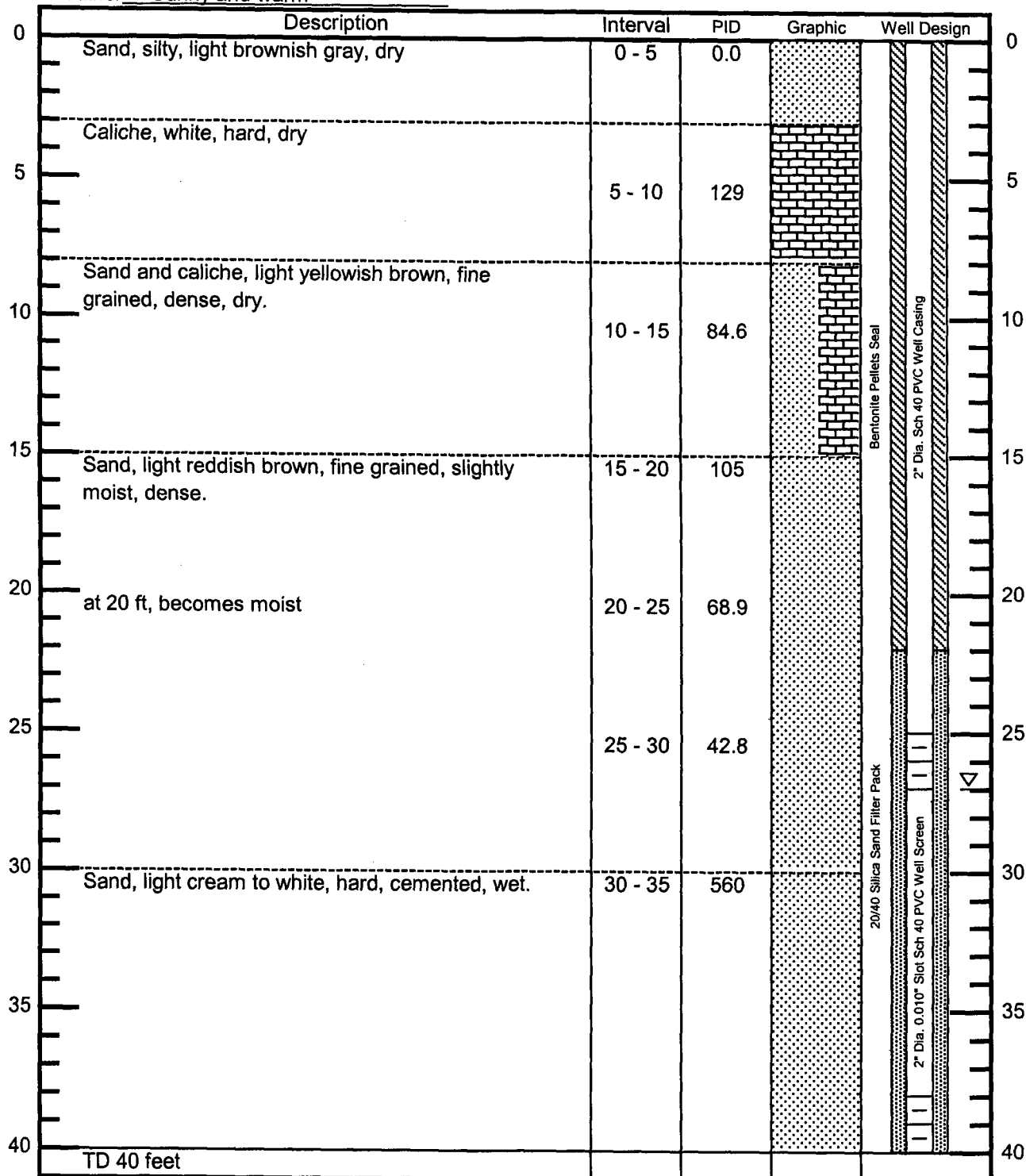
	Description	Interval	PID	Graphic	Well Design		
0	Caliche, light brown - pink - white, dense, hard, dry with very fine grained sand.	0 - 5	35.7		Bentonite Pellets Seal 2" Dia. Sch 40 PVC Well Casing 20/40 Silica Sand Filler Pack 2" Dia. 0.010" Slot Sch 40 PVC Well Screen	0	
5	Caliche and very fine sand, light brown - pink - white, dense, hard, dry, hydrocarbon odor.	5 - 10	217.0			5	
10	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, hydrocarbon odor.	10 - 15	135			10	
15	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, hydrocarbon odor.	15 - 20	161			15	
20	Sand, light brown, very fine grained, subrnd to subang qtz, occ moderately cemented, moist, slight hydrocarbon odor.	20 - 25	32.9			20	
25	Sand, slightly silty, light brown, very fine to fine, subrnd to subang qtz, hard, moderately cemented, wet.	25 - 30	1.4			25	
30	Sand, slightly silty, light brown, very fine to fine, subrnd to subang qtz, hard, moderately cemented, wet.	30 - 35	1.0			30	
35	TD 35 feet - abandon well from TD to surface with bentonite pellets						35

Soil Boring/Monitoring Well Log

Client ConocoPhillips Project No. 4640029
 Location East Hobbs Junction Driller Ken Cooper
 Boring/Well No. MTW-5 Drilling Co. Harrison & Cooper
 Surface Elevation ± 3607' Boring Dia. 5.25 in.
 Dates Drilled 08-31-04 Fluids used Air
 Logged By Frank Lichnovsky Depth to Water 27'
 Weather Sunny and warm

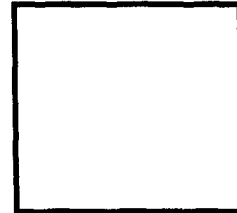


Site Map

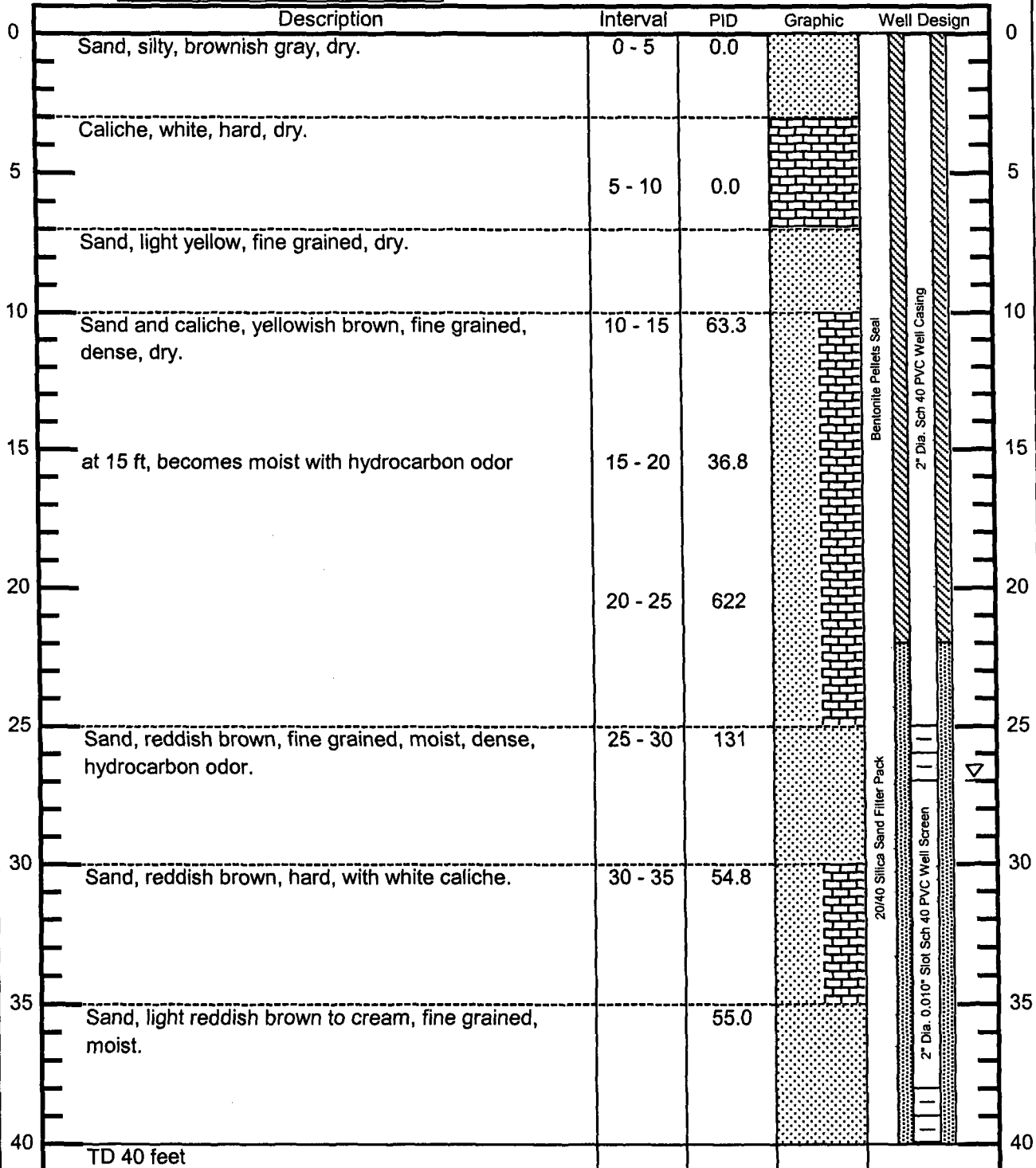


Soil Boring/Monitoring Well Log

Client ConocoPhillips Project No. 4640029
 Location East Hobbs Junction Driller Ken Cooper
 Boring/Well No. MTW-6 Drilling Co. Harrison & Cooper
 Surface Elevation ± 3607' Boring Dia. 5.25 in.
 Dates Drilled 08-31-04 Fluids used Air
 Logged By Frank Lichnovsky Depth to Water 27'
 Weather Sunny and warm



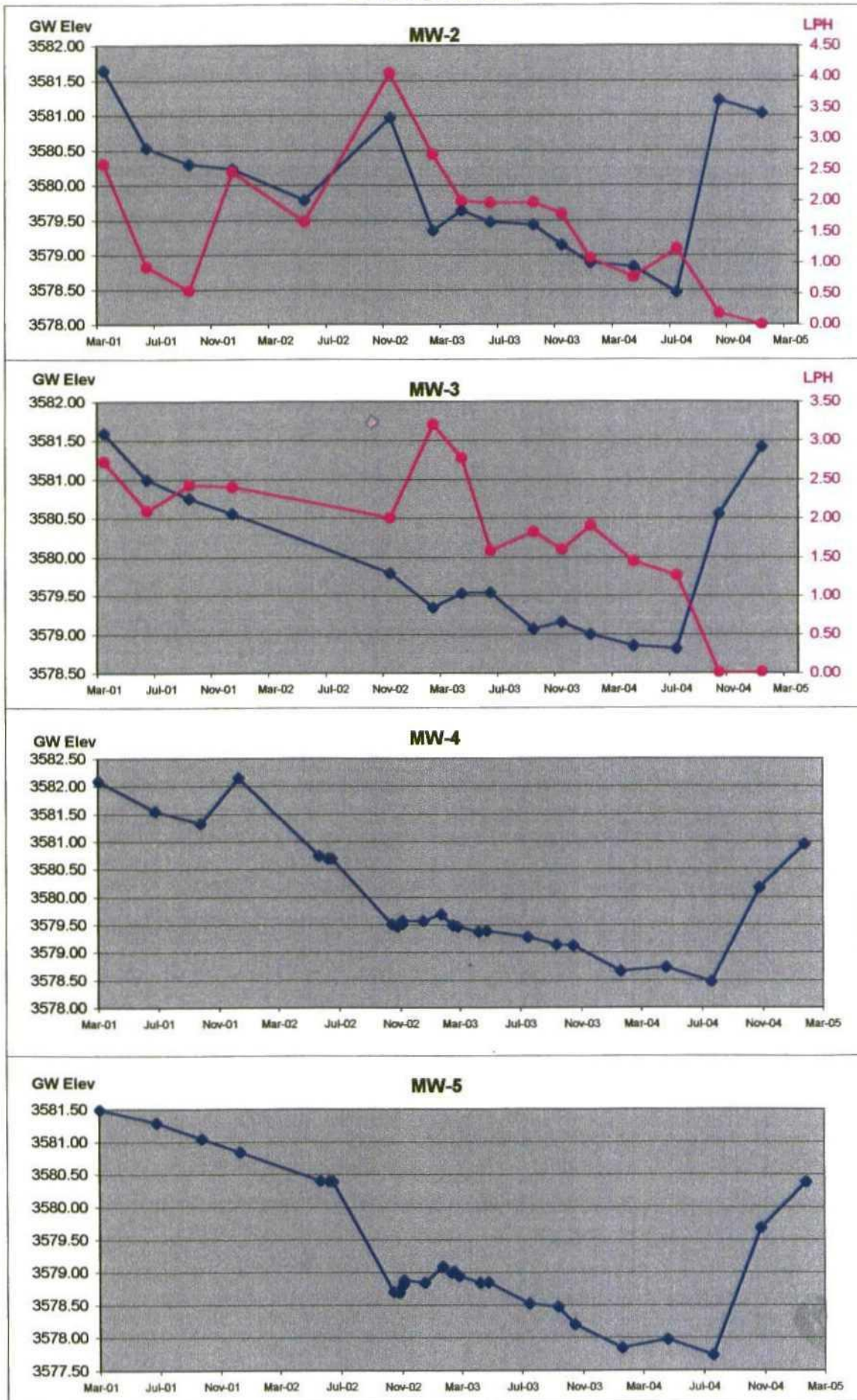
Site Map



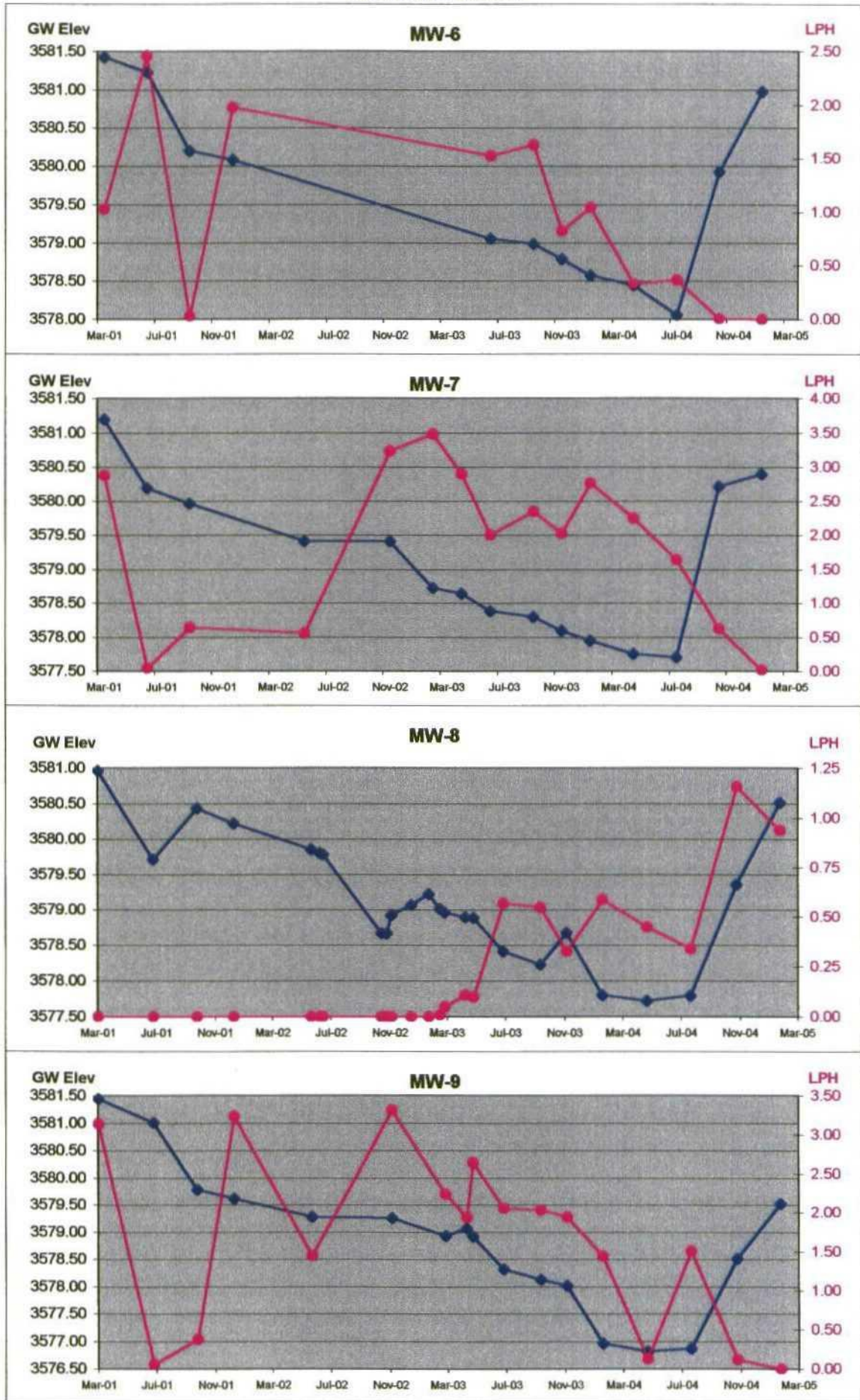
APPENDIX B

Hydrographs

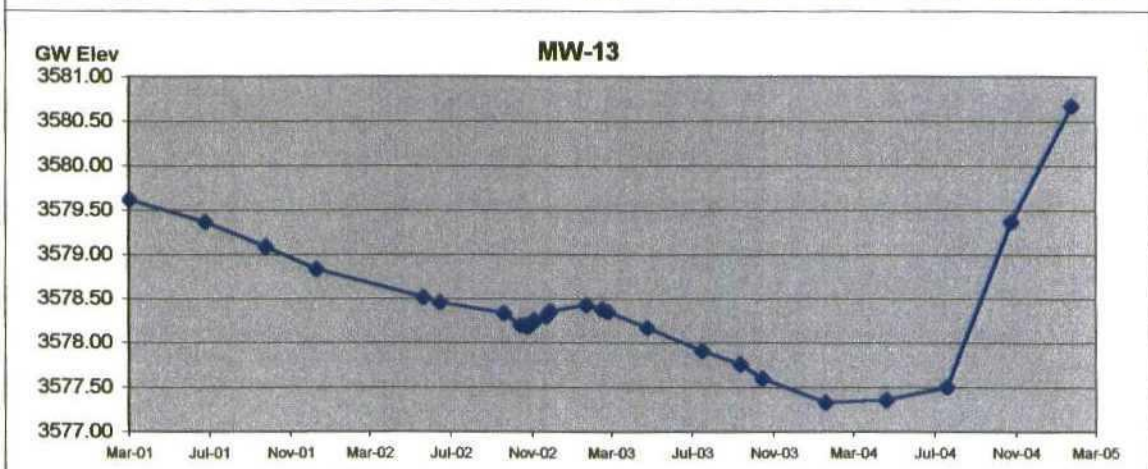
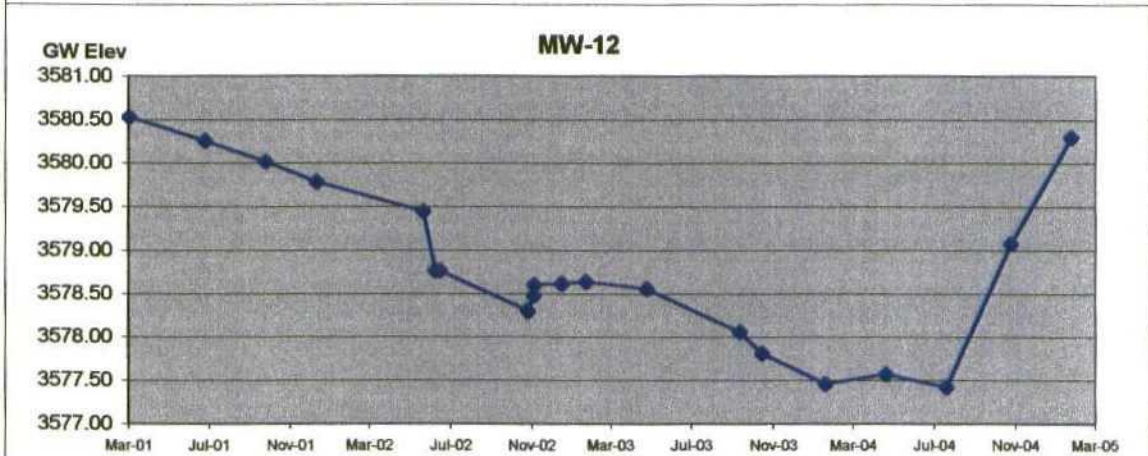
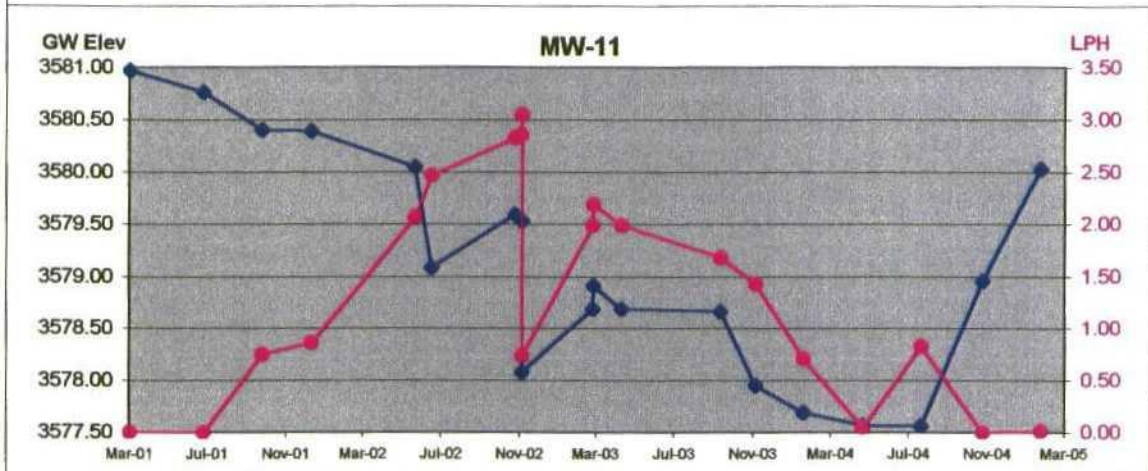
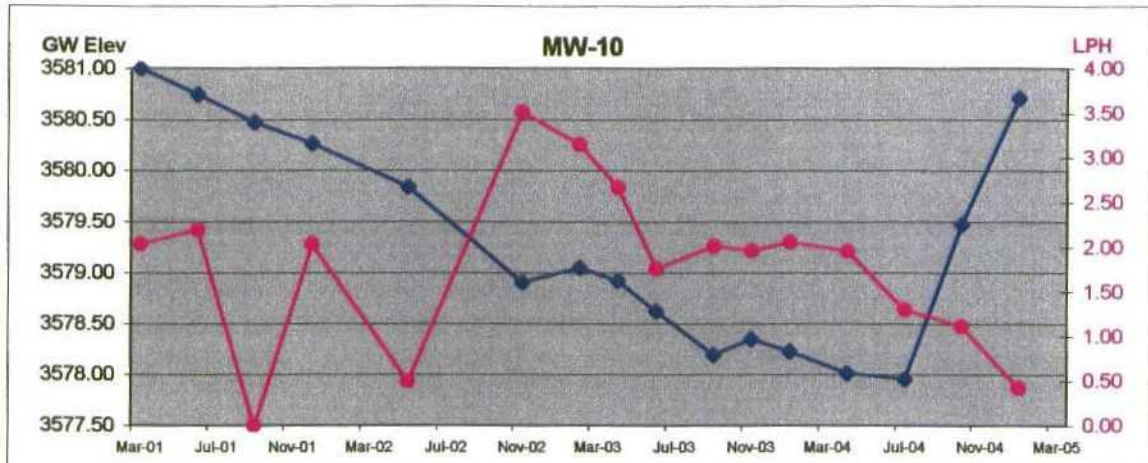
Hydrograph Charts East Hobbs Junction



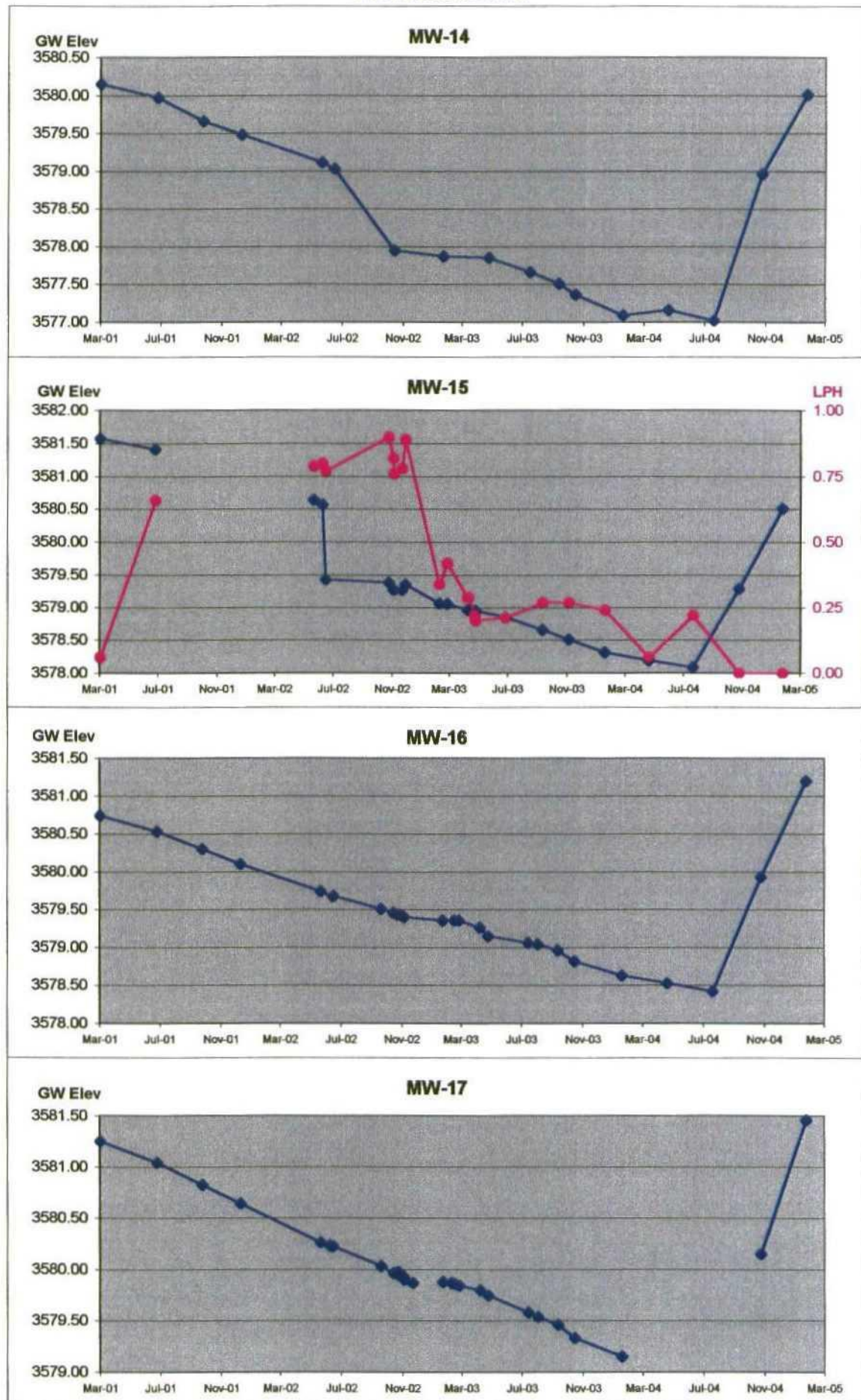
Hydrograph Charts East Hobbs Junction



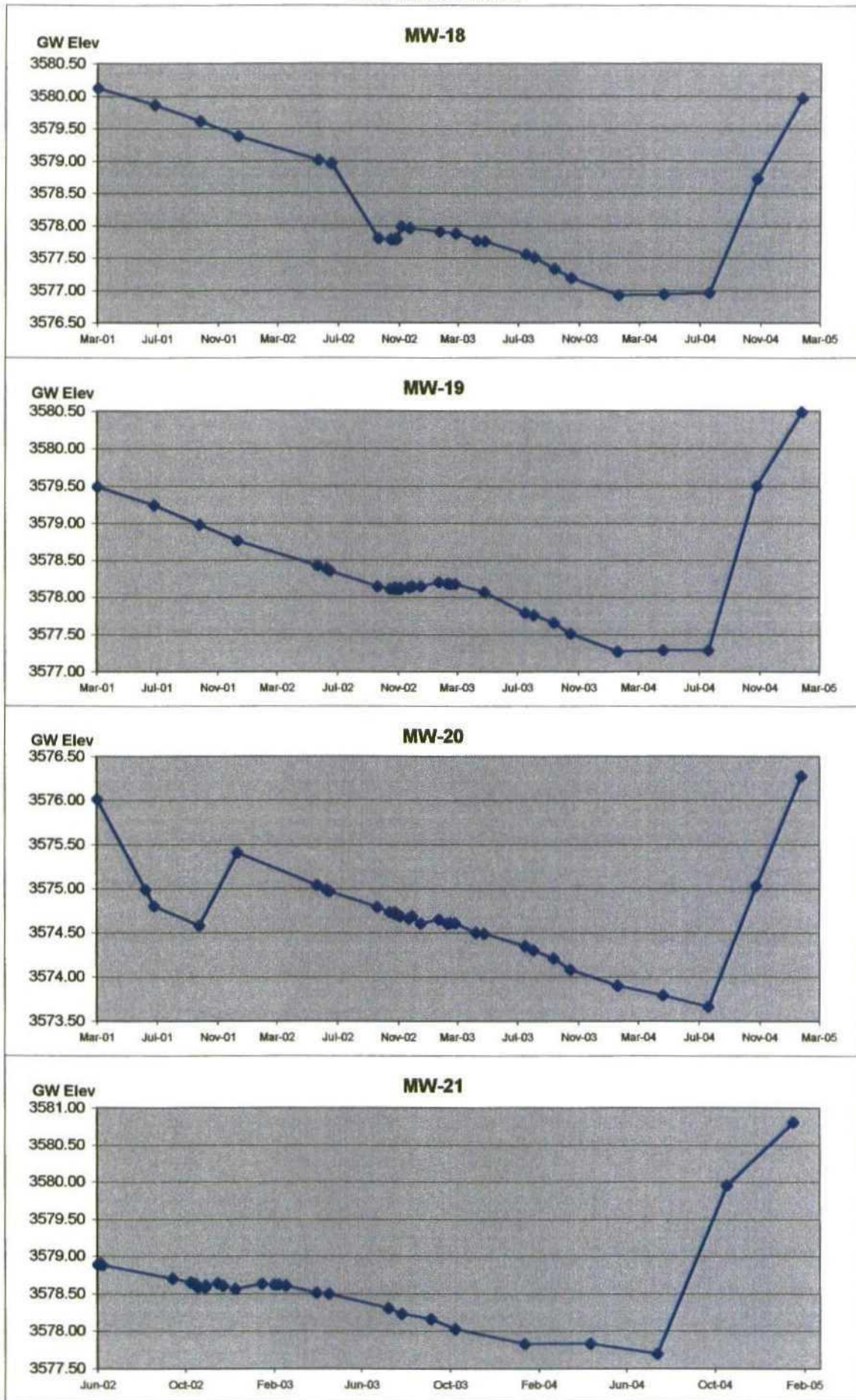
Hydrograph Charts East Hobbs Junction



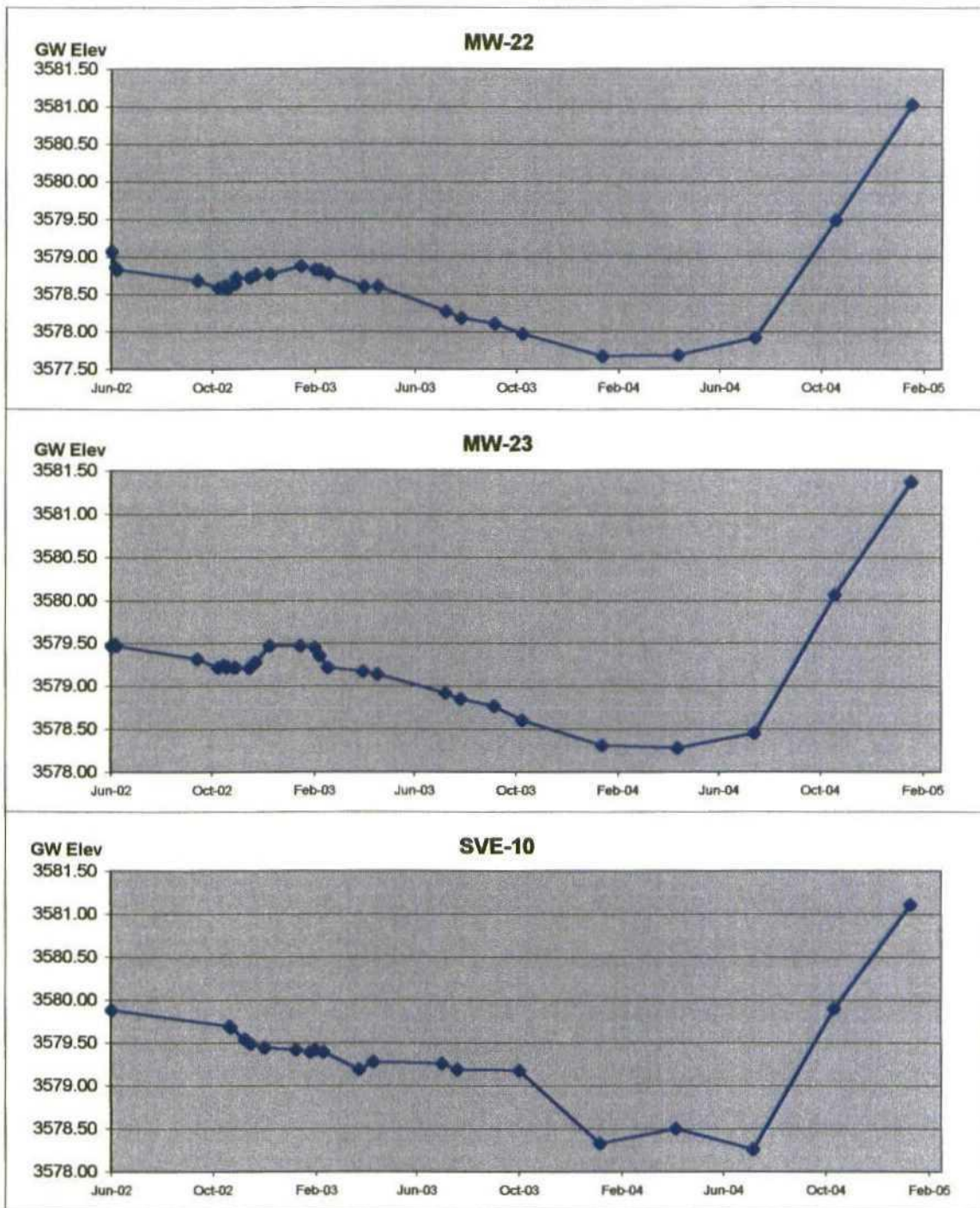
Hydrograph Charts East Hobbs Junction



Hydrograph Charts East Hobbs Junction



Hydrograph Charts East Hobbs Junction



APPENDIX C
Laboratory Analytical Data

**Certificate of Analysis**

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

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM

3373 E Hobbs Jct Remediation

Lot #: I4D230243

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.


Carla M. Butler
Project Manager

May 10, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: I4D230243

This report contains the analytical results for the 20 samples received under chain of custody by Severn Trent Laboratories (STL) on April 23, 2004. These samples are associated with your 3373 E Hobbs Jct 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

I4D230243

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-19 04/21/04 15:00 001				
Chloride	173	20.0	mg/L	MCAWW 300.0A
MW-14 04/21/04 15:30 002				
Benzene	5.2	1.0	ug/L	SW846 8021B
Chloride	201	20.0	mg/L	MCAWW 300.0A
MW-18 04/21/04 16:00 003				
Gasoline Range Organics	3.0	0.10	mg/L	SW846 8015B
Benzene	360	2.0	ug/L	SW846 8021B
Ethylbenzene	69	1.0	ug/L	SW846 8021B
Xylenes (total)	55	3.0	ug/L	SW846 8021B
Chloride	195	20.0	mg/L	MCAWW 300.0A
MW-12 04/21/04 16:40 004				
Gasoline Range Organics	11	1.0	mg/L	SW846 8015B
Benzene	2900	10	ug/L	SW846 8021B
Ethylbenzene	95	10	ug/L	SW846 8021B
Xylenes (total)	150	30	ug/L	SW846 8021B
Chloride	188	20.0	mg/L	MCAWW 300.0A
MW-21 04/21/04 09:00 006				
Chloride	684	100	mg/L	MCAWW 300.0A
MW-16 04/21/04 09:30 007				
Chloride	184	20.0	mg/L	MCAWW 300.0A
MW-20 04/21/04 10:00 008				
Chloride	69.3	20.0	mg/L	MCAWW 300.0A
MTW-2 04/21/04 10:45 009				
Diesel Range Organics	0.20	0.20	mg/L	SW846 8015B
Gasoline Range Organics	0.84	0.20	mg/L	SW846 8015B
Benzene	160	2.0	ug/L	SW846 8021B
Ethylbenzene	2.2	2.0	ug/L	SW846 8021B
Toluene	3.6	2.0	ug/L	SW846 8021B
Chloride	154	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4D230243

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SVE-10 04/22/04 09:00 011				
Diesel Range Organics	0.35	0.20	mg/L	SW846 8015B
Gasoline Range Organics	0.41	0.10	mg/L	SW846 8015B
Benzene	110	1.0	ug/L	SW846 8021B
Ethylbenzene	11	1.0	ug/L	SW846 8021B
Chloride	236	50.0	mg/L	MCAWW 300.0A
MW-4 04/22/04 09:45 013				
Chloride	180	20.0	mg/L	MCAWW 300.0A
MW-5 04/22/04 10:20 014				
Gasoline Range Organics	0.32	0.10	mg/L	SW846 8015B
Benzene	20	1.0	ug/L	SW846 8021B
Ethylbenzene	2.1	1.0	ug/L	SW846 8021B
Toluene	23	1.0	ug/L	SW846 8021B
Xylenes (total)	3.5	3.0	ug/L	SW846 8021B
Chloride	188	20.0	mg/L	MCAWW 300.0A
MW-5D 04/22/04 10:30 015				
Gasoline Range Organics	0.37	0.10	mg/L	SW846 8015B
Benzene	21	1.0	ug/L	SW846 8021B
Ethylbenzene	2.4	1.0	ug/L	SW846 8021B
Toluene	27	1.0	ug/L	SW846 8021B
Xylenes (total)	6.1	3.0	ug/L	SW846 8021B
Chloride	189	20.0	mg/L	MCAWW 300.0A
MTW-3 04/21/04 11:15 016				
Gasoline Range Organics	0.21	0.10	mg/L	SW846 8015B
Benzene	1.3	1.0	ug/L	SW846 8021B
Ethylbenzene	13	1.0	ug/L	SW846 8021B
Xylenes (total)	8.6	3.0	ug/L	SW846 8021B
Chloride	110	20.0	mg/L	MCAWW 300.0A
MW-23 04/21/04 11:45 017				
Chloride	54.8	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4D230243

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-22 04/21/04 14:15 018				
Chloride	75.3	20.0	mg/L	MCAWW 300.0A
MW-13 04/21/04 14:30 019				
Chloride	62.2	20.0	mg/L	MCAWW 300.0A

ANALYTICAL METHODS SUMMARY

I4D230243

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	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

I4D230243

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Beth Driskill	008945
SW846 8015B	Joe Lanham	000039
SW846 8015B	Scott Leslie	401008
SW846 8021B	Beth Driskill	008945
SW846 8021B	Joe Lanham	000039

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**I4D230243**

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GER09	001	MW-19	04/21/04	15:00
GER1R	002	MW-14	04/21/04	15:30
GER1V	003	MW-18	04/21/04	16:00
GER11	004	MW-12	04/21/04	16:40
GER13	005	TRIP BLANK	04/22/04	13:15
GER2E	006	MW-21	04/21/04	09:00
GER2K	007	MW-16	04/21/04	09:30
GER2N	008	MW-20	04/21/04	10:00
GER2Q	009	MTW-2	04/21/04	10:45
GER22	010	TRIP BLANK 1	04/22/04	12:30
GER3A	011	SVE-10	04/22/04	09:00
GER3J	012	TRIP BLANK 2	04/22/04	13:30
GER3Q	013	MW-4	04/22/04	09:45
GER3X	014	MW-5	04/22/04	10:20
GER32	015	MW-5D	04/22/04	10:30
GER33	016	MTW-3	04/21/04	11:15
GER4A	017	MW-23	04/21/04	11:45
GER4E	018	MW-22	04/21/04	14:15
GER4G	019	MW-13	04/21/04	14:30
GER4M	020	TRIP BLANK	04/22/04	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

I4D230243

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
002	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
003	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
	WATER	SW846 8021B		4126148	4126097
004	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
005	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
006	WATER	MCAWW 300.0A		4127132	4127082
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
007	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
008	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
009	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4124131	4124081
	WATER	SW846 8021B		4124128	4124080

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4D230243

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
011	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
012	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
013	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
014	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
015	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4124131	4124081
	WATER	SW846 8021B		4124128	4124080
016	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4124131	4124081
	WATER	SW846 8021B		4124128	4124080
017	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
018	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4D230243

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
019	WATER	MCAWW 300.0A		4122080	4122037
	WATER	SW846 8015B		4119262	
	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204
020	WATER	SW846 8015B		4117379	4117273
	WATER	SW846 8021B		4117236	4117204

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I4D230243-001 Work Order #....: GER091AA Matrix.....: WATER
Date Sampled....: 04/21/04 15:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I4D230243-001 Work Order #....: GER091AD Matrix.....: WATER
Date Sampled....: 04/21/04 15:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Semivolatiles

Lot-Sample #....: I4D230243-001 Work Order #....: GER091AC Matrix.....: WATER
Date Sampled....: 04/21/04 15:00 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	58	(53 - 139)
Dotriacontane	79	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-19

General Chemistry

Lot-Sample #....: I4D230243-001 Work Order #....: GER09
Date Sampled....: 04/21/04 15:00 Date Received...: 04/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	173	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I4D230243-002 Work Order #....: GER1R1AA Matrix.....: WATER
Date Sampled....: 04/21/04 15:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I4D230243-002 Work Order #....: GER1R1AD Matrix.....: WATER
Date Sampled....: 04/21/04 15:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	5.2	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	105	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #....: I4D230243-002 Work Order #....: GER1R1AC Matrix.....: WATER
Date Sampled....: 04/21/04 15:30 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	56	(53 - 139)
Dotriacontane	76	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-14

General Chemistry

Lot-Sample #....: I4D230243-002 Work Order #....: GER1R
Date Sampled....: 04/21/04 15:30 Date Received...: 04/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	201	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4D230243-003 Work Order #....: GER1V1AA Matrix.....: WATER
Date Sampled....: 04/21/04 16:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	3.0	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	103	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4D230243-003 Work Order #....: GER1V1AD Matrix.....: WATER
Date Sampled....: 04/21/04 16:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethylbenzene	69	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	55	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	107	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	874 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4D230243-003 Work Order #....: GER1V2AD Matrix.....: WATER
Date Sampled....: 04/21/04 16:00 Date Received...: 04/23/04
Prep Date.....: 05/04/04 Analysis Date...: 05/04/04
Prep Batch #....: 4126148
Dilution Factor: 2 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	360	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	112	(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 demonstrated matrix effect.

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #....: I4D230243-003 Work Order #....: GER1V1AC Matrix.....: WATER
Date Sampled....: 04/21/04 16:00 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	55	(53 - 139)
Dotriacontane	79	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-18

General Chemistry

Lot-Sample #....: I4D230243-003

Work Order #....: GER1V

Matrix.....: WATER

Date Sampled....: 04/21/04 16:00

Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	195	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I4D230243-004 Work Order #....: GER111AA Matrix.....: WATER
Date Sampled....: 04/21/04 16:40 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 10 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	11	1.0	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I4D230243-004 Work Order #....: GER111AD Matrix.....: WATER
Date Sampled....: 04/21/04 16:40 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 10 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	2900	10	ug/L
Ethylbenzene	95	10	ug/L
Toluene	ND	10	ug/L
Xylenes (total)	150	30	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #....: I4D230243-004 Work Order #....: GER111AC Matrix.....: WATER
Date Sampled....: 04/21/04 16:40 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	59	(53 - 139)
Dotriacontane	71	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-12

General Chemistry

Lot-Sample #....: I4D230243-004 Work Order #....: GER11 Matrix.....: WATER
Date Sampled....: 04/21/04 16:40 Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	188	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: I4D230243-005 Work Order #....: GER131AA Matrix.....: WATER
Date Sampled....: 04/22/04 13:15 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: I4D230243-005 Work Order #....: GER131AC Matrix.....: WATER
Date Sampled....: 04/22/04 13:15 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I4D230243-006 Work Order #....: GER2E1AA Matrix.....: WATER
Date Sampled....: 04/21/04 09:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I4D230243-006 Work Order #....: GER2E1AD Matrix.....: WATER
Date Sampled....: 04/21/04 09:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Semivolatiles

Lot-Sample #...: I4D230243-006 Work Order #...: GER2E1AC Matrix.....: WATER
Date Sampled...: 04/21/04 09:00 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #...: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	61	(53 - 139)
Dotriacontane	65	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-21

General Chemistry

Lot-Sample #....: I4D230243-006 Work Order #....: GER2E Matrix.....: WATER
Date Sampled....: 04/21/04 09:00 Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	684	100	mg/L	MCAWW 300.0A	05/05/04	4127132

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I4D230243-007 Work Order #....: GER2K1AA Matrix.....: WATER
Date Sampled....: 04/21/04 09:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I4D230243-007 Work Order #....: GER2K1AD Matrix.....: WATER
Date Sampled....: 04/21/04 09:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Semivolatiles

Lot-Sample #....: I4D230243-007 Work Order #....: GER2K1AC Matrix.....: WATER
Date Sampled....: 04/21/04 09:30 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	55	(53 - 139)
Dotriacontane	77	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-16

General Chemistry

Lot-Sample #....: I4D230243-007

Work Order #....: GER2K

Matrix.....: WATER

Date Sampled....: 04/21/04 09:30

Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	184	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I4D230243-008 Work Order #....: GER2N1AA Matrix.....: WATER
Date Sampled....: 04/21/04 10:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Gasoline Range Organics	ND	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #...: I4D230243-008 Work Order #...: GER2N1AD Matrix.....: WATER
Date Sampled...: 04/21/04 10:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #...: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Semivolatiles

Lot-Sample #....: I4D230243-008 Work Order #....: GER2N1AC Matrix.....: WATER
Date Sampled....: 04/21/04 10:00 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	57	(53 - 139)
Dotriacontane	87	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-20

General Chemistry

Lot-Sample #...: I4D230243-008

Work Order #...: GER2N

Matrix.....: WATER

Date Sampled...: 04/21/04 10:00

Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	69.3	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MTW-2

GC Volatiles

Lot-Sample #....: I4D230243-009 Work Order #....: GER2Q1AA Matrix.....: WATER
Date Sampled....: 04/21/04 10:45 Date Received...: 04/23/04
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124131
Dilution Factor: 2 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.84	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	107	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MTW-2

GC Volatiles

Lot-Sample #....: I4D230243-009 Work Order #....: GER2Q1AD Matrix.....: WATER
Date Sampled....: 04/21/04 10:45 Date Received...: 04/23/04
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124128
Dilution Factor: 2 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	160	2.0	ug/L
Ethylbenzene	2.2	2.0	ug/L
Toluene	3.6	2.0	ug/L
Xylenes (total)	ND	6.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	108	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	131	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MIW-2

GC Semivolatiles

Lot-Sample #....: I4D230243-009 Work Order #....: GER2Q1AC Matrix.....: WATER
Date Sampled....: 04/21/04 10:45 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.20	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	61	(53 - 139)
Dotriacontane	74	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MTW-2

General Chemistry

Lot-Sample #....: I4D230243-009 Work Order #....: GER2Q Matrix.....: WATER
Date Sampled....: 04/21/04 10:45 Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	154	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4D230243-010 Work Order #....: GER221AA Matrix.....: WATER
Date Sampled....: 04/22/04 12:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4D230243-010 Work Order #....: GER221AC Matrix.....: WATER
Date Sampled....: 04/22/04 12:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I4D230243-011 Work Order #....: GER3A1AA Matrix.....: WATER
Date Sampled....: 04/22/04 09:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.41	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	110	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I4D230243-011 Work Order #....: GER3A1AD Matrix.....: WATER
Date Sampled....: 04/22/04 09:00 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	110	1.0	ug/L
Ethylbenzene	11	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	113	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	109	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Semivolatiles

Lot-Sample #....: I4D230243-011 Work Order #....: GER3A1AC Matrix.....: WATER
Date Sampled....: 04/22/04 09:00 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.35	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	69	(53 - 139)
Dotriacontane	85	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: SVE-10

General Chemistry

Lot-Sample #...: I4D230243-011 Work Order #...: GER3A
Date Sampled...: 04/22/04 09:00 Date Received...: 04/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	236	50.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I4D230243-012 Work Order #....: GER3J1AA Matrix.....: WATER
Date Sampled....: 04/22/04 13:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #...: I4D230243-012 Work Order #...: GER3J1AC Matrix.....: WATER
Date Sampled...: 04/22/04 13:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #...: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: I4D230243-013 Work Order #....: GER3Q1AA Matrix.....: WATER
Date Sampled....: 04/22/04 09:45 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: I4D230243-013 Work Order #....: GER3Q1AD Matrix.....: WATER
Date Sampled....: 04/22/04 09:45 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	107	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #....: I4D230243-013 Work Order #....: GER3Q1AC Matrix.....: WATER
Date Sampled....: 04/22/04 09:45 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	62	(53 - 139)
Dotriacontane	65	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: I4D230243-013 Work Order #...: GER3Q
Date Sampled...: 04/22/04 09:45 Date Received...: 04/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	180	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: I4D230243-014 Work Order #....: GER3X1AA Matrix.....: WATER
Date Sampled....: 04/22/04 10:20 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.32	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	87	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: I4D230243-014 Work Order #....: GER3X1AD Matrix.....: WATER
Date Sampled....: 04/22/04 10:20 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	20	1.0	ug/L
Ethylbenzene	2.1	1.0	ug/L
Toluene	23	1.0	ug/L
Xylenes (total)	3.5	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	120	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Semivolatiles

Lot-Sample #....: I4D230243-014 Work Order #....: GER3X1AC Matrix.....: WATER
Date Sampled....: 04/22/04 10:20 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	61	(53 - 139)
Dotriacontane	66	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: I4D230243-014 Work Order #...: GER3X Matrix.....: WATER
Date Sampled...: 04/22/04 10:20 Date Received...: 04/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	188	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-5D

GC Volatiles

Lot-Sample #....: I4D230243-015 Work Order #....: GER321AA Matrix.....: WATER
Date Sampled....: 04/22/04 10:30 Date Received...: 04/23/04
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124131
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.37	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	105	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-5D

GC Volatiles

Lot-Sample #...: I4D230243-015 Work Order #...: GER321AD Matrix.....: WATER
Date Sampled...: 04/22/04 10:30 Date Received...: 04/23/04
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #...: 4124128
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	21	1.0	ug/L
Ethylbenzene	2.4	1.0	ug/L
Toluene	27	1.0	ug/L
Xylenes (total)	6.1	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	107	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	202 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.
Surrogates outside acceptance criteria due to coelution.

CONOCOPHILLIPS

Client Sample ID: MW-5D

GC Semivolatiles

Lot-Sample #....: I4D230243-015 Work Order #....: GER321AC Matrix.....: WATER
Date Sampled....: 04/22/04 10:30 Date Received...: 04/23/04
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	58	(53 - 139)
Dotriacontane	85	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-5D

General Chemistry

Lot-Sample #...: I4D230243-015 Work Order #...: GER32
Date Sampled...: 04/22/04 10:30 Date Received...: 04/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	189	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MTW-3

GC Volatiles

Lot-Sample #....: I4D230243-016 Work Order #....: GER331AA Matrix.....: WATER
Date Sampled....: 04/21/04 11:15 Date Received...: 04/24/04
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124131
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.21	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	108	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MTW-3

GC Volatiles

Lot-Sample #....: I4D230243-016 Work Order #....: GER331AD Matrix.....: WATER
Date Sampled....: 04/21/04 11:15 Date Received...: 04/24/04
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124128
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	1.3	1.0	ug/L
Ethylbenzene	13	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	8.6	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	107	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	185 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.
Surrogates outside acceptance criteria due to coelution.

CONOCOPHILLIPS

Client Sample ID: MIW-3

GC Semivolatiles

Lot-Sample #....: I4D230243-016 Work Order #....: GER331AC Matrix.....: WATER
Date Sampled....: 04/21/04 11:15 Date Received...: 04/24/04
Prep Date.....: 04/28/04 Analysis Date...: 05/05/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	58	(53 - 139)
Dotriacontane	75	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MTW-3

General Chemistry

Lot-Sample #....: I4D230243-016

Work Order #....: GER33

Matrix.....: WATER

Date Sampled...: 04/21/04 11:15

Date Received...: 04/24/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	110	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #....: I4D230243-017 Work Order #....: GER4A1AA Matrix.....: WATER
Date Sampled....: 04/21/04 11:45 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #....: I4D230243-017 Work Order #....: GER4A1AD Matrix.....: WATER
Date Sampled....: 04/21/04 11:45 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Semivolatiles

Lot-Sample #....: I4D230243-017 Work Order #....: GER4A1AC Matrix.....: WATER
Date Sampled....: 04/21/04 11:45 Date Received...: 04/24/04
Prep Date.....: 04/28/04 Analysis Date...: 05/05/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	61	(53 - 139)
Dotriacontane	73	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-23

General Chemistry

Lot-Sample #...: I4D230243-017

Work Order #...: GER4A

Matrix.....: WATER

Date Sampled...: 04/21/04 11:45

Date Received...: 04/24/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	54.8	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I4D230243-018 Work Order #....: GER4E1AA Matrix.....: WATER
Date Sampled....: 04/21/04 14:15 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I4D230243-018 Work Order #....: GER4E1AD Matrix.....: WATER
Date Sampled....: 04/21/04 14:15 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Semivolatiles

Lot-Sample #....: I4D230243-018 Work Order #....: GER4E1AC Matrix.....: WATER
Date Sampled....: 04/21/04 14:15 Date Received...: 04/24/04
Prep Date.....: 04/28/04 Analysis Date...: 05/05/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	59	(53 - 139)
Dotriacontane	82	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-22

General Chemistry

Lot-Sample #...: I4D230243-018

Work Order #...: GER4E

Matrix.....: WATER

Date Sampled...: 04/21/04 14:15

Date Received...: 04/24/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	75.3	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I4D230243-019 Work Order #....: GER4G1AA Matrix.....: WATER
Date Sampled....: 04/21/04 14:30 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	91	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I4D230243-019 Work Order #....: GER4G1AD Matrix.....: WATER
Date Sampled....: 04/21/04 14:30 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #....: I4D230243-019 Work Order #....: GER4G1AC Matrix.....: WATER
Date Sampled....: 04/21/04 14:30 Date Received...: 04/24/04
Prep Date.....: 04/28/04 Analysis Date...: 05/05/04
Prep Batch #....: 4119262
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	55	(53 - 139)
Dotriacontane	73	(45 - 141)

CONOCOPHILLIPS

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I4D230243-019 Work Order #...: GER4G Matrix.....: WATER
Date Sampled...: 04/21/04 14:30 Date Received...: 04/24/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	62.2	20.0	mg/L	MCAWW 300.0A	05/01/04	4122080

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: I4D230243-020 Work Order #...: GER4M1AA Matrix.....: WATER
Date Sampled...: 04/22/04 13:00 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #...: 4117379
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: I4D230243-020 Work Order #....: GER4M1AC Matrix.....: WATER
Date Sampled....: 04/22/04 13:00 Date Received...: 04/24/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117236
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4D230243
MB Lot-Sample #: I4D260000-379

Work Order #...: GEX9R1AA

Matrix.....: WATER

Analysis Date...: 04/25/04
Dilution Factor: 1

Prep Date.....: 04/25/04

Prep Batch #...: 4117379

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4D230243
MB Lot-Sample #: I4E030000-131

Work Order #...: GFD221AA

Matrix.....: WATER

Analysis Date...: 04/30/04
Dilution Factor: 1

Prep Date.....: 04/30/04

Prep Batch #...: 4124131

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	103	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4D230243
MB Lot-Sample #: I4D260000-236

Work Order #....: GEXPV1AA

Matrix.....: WATER

Analysis Date...: 04/25/04
Dilution Factor: 1

Prep Date.....: 04/25/04

Prep Batch #....: 4117236

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

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

NOTE (S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4D230243
MB Lot-Sample #: I4E030000-128

Work Order #....: GFD2W1AA

Matrix.....: WATER

Analysis Date...: 04/30/04
Dilution Factor: 1

Prep Date.....: 04/30/04
Prep Batch #....: 4124128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	106	(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

GC Volatiles

Client Lot #...: I4D230243
MB Lot-Sample #: I4E050000-148

Work Order #...: GFJL11AA

Matrix.....: WATER

Analysis Date...: 05/04/04
Dilution Factor: 1

Prep Date.....: 05/04/04
Prep Batch #...: 4126148

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	1.0	ug/L	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	105	(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 Semivolatiles

Client Lot #...: I4D230243
MB Lot-Sample #: I4D280000-262

Work Order #...: GE4L81AA

Matrix.....: WATER

Analysis Date...: 05/04/04

Prep Date.....: 04/28/04

Dilution Factor: 1

Prep Batch #...: 4119262

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Diesel Range Organics	ND	0.20	mg/L	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	54	(53 - 139)
Dotriacontane	47	(45 - 141)

NOTE(S) :

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I4D230243

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Chloride	ND	Work Order #: GFDLA1AA 1.0	mg/L	MB Lot-Sample #: MCAWW 300.0A	I4E010000-080 05/01/04	4122080
		Dilution Factor: 1				
Chloride	ND	Work Order #: GFL4H1AA 1.0	mg/L	MB Lot-Sample #: MCAWW 300.0A	I4E060000-132 05/05/04	4127132
		Dilution Factor: 1				

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4D230243 Work Order #....: GEX9R1AC Matrix.....: WATER
LCS Lot-Sample#: I4D260000-379
Prep Date.....: 04/25/04 Analysis Date...: 04/25/04
Prep Batch #....: 4117379
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	87	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	87	(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 #....: I4D230243 Work Order #....: GFD221AC Matrix.....: WATER
LCS Lot-Sample#: I4E030000-131
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124131
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	104	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	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 #...: I4D230243 Work Order #...: GEXPV1AC Matrix.....: WATER
LCS Lot-Sample#: I4D260000-236
Prep Date.....: 04/25/04 Analysis Date...: 04/25/04
Prep Batch #...: 4117236
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	104	(85 - 115)	SW846 8021B
Ethylbenzene	107	(85 - 115)	SW846 8021B
Toluene	112	(85 - 115)	SW846 8021B
Xylenes (total)	107	(85 - 115)	SW846 8021B
Methyl tert-butyl ether	103	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	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 Volatiles

Client Lot #....: I4D230243 Work Order #....: GFD2W1AC Matrix.....: WATER
LCS Lot-Sample#: I4E030000-128
Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
Prep Batch #....: 4124128
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	96	(85 - 115)	SW846 8021B
Ethylbenzene	97	(85 - 115)	SW846 8021B
Toluene	104	(85 - 115)	SW846 8021B
Xylenes (total)	103	(85 - 115)	SW846 8021B
Methyl tert-butyl ether	105	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	109	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	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 Volatiles

Client Lot #....: I4D230243 Work Order #....: GFJL11AC Matrix.....: WATER
LCS Lot-Sample#: I4E050000-148
Prep Date.....: 05/04/04 Analysis Date...: 05/04/04
Prep Batch #....: 4126148
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	97	(85 - 115)	SW846 8021B
Ethylbenzene	97	(85 - 115)	SW846 8021B
Toluene	103	(85 - 115)	SW846 8021B
Xylenes (total)	101	(85 - 115)	SW846 8021B
Methyl tert-butyl ether	103	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	108	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	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 #....: I4D230243 Work Order #....: GE4L81AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I4D280000-262 GE4L81AD-LCSD
Prep Date.....: 04/28/04 Analysis Date...: 05/04/04
Prep Batch #....: 4119262
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	79	(51 - 127)			SW846 8015B
	78	(51 - 127)	0.85	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	86	(28 - 131)
	78	(28 - 131)
Dotriacontane	82	(37 - 139)
	74	(37 - 139)

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 #....: I4D230243

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	93	Work Order #: GFDLA1AC (85 - 106)	LCS Lot-Sample#: I4E010000-080 MCAWW 300.0A	05/01/04	4122080
		Dilution Factor: 1			
Chloride	90	Work Order #: GFL4H1AC (85 - 106)	LCS Lot-Sample#: I4E060000-132 MCAWW 300.0A	05/05/04	4127132
		Dilution Factor: 1			

NOTE (S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4D230243 Work Order #....: GER1R1AF-MS Matrix.....: WATER
MS Lot-Sample #: I4D230243-002 GER1R1AG-MSD
Date Sampled....: 04/21/04 15:30 Date Received...: 04/23/04
Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
Prep Batch #....: 4117379
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	95	(79 - 124)			SW846 8015B
	102	(79 - 124)	6.4	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	87	(75 - 122)
	87	(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 #....: I4D230243 Work Order #....: GER321AF-MS Matrix.....: WATER
 MS Lot-Sample #: I4D230243-015 GER321AG-MSD
 Date Sampled....: 04/22/04 10:30 Date Received...: 04/23/04
 Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
 Prep Batch #....: 4124131
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	111	(79 - 124)			SW846 8015B
	127 a, MSC	(79 - 124)	11	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	101	(75 - 122)
	99	(75 - 122)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4D230243 Work Order #....: GER091AF-MS Matrix.....: WATER
 MS Lot-Sample #: I4D230243-001 GER091AG-MSD
 Date Sampled....: 04/21/04 15:00 Date Received...: 04/23/04
 Prep Date.....: 04/25/04 Analysis Date...: 04/26/04
 Prep Batch #....: 4117236
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	95	(85 - 115)			SW846 8021B
	75 a,p,MS	(85 - 115)	23	(0-20)	SW846 8021B
Ethylbenzene	97	(85 - 115)			SW846 8021B
	76 a,p,MS	(85 - 115)	24	(0-20)	SW846 8021B
Toluene	98	(85 - 115)			SW846 8021B
	75 a,p,MS	(85 - 115)	27	(0-20)	SW846 8021B
Xylenes (total)	96	(85 - 115)			SW846 8021B
	73 a,p,MS	(85 - 115)	27	(0-20)	SW846 8021B
Methyl tert-butyl ether	104	(85 - 115)			SW846 8021B
	73 a,p,MS	(85 - 115)	35	(0-20)	SW846 8021B

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

a Spiked analyte recovery is outside stated control limits.

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

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4D230243 Work Order #....: GER331AF-MS Matrix.....: WATER
 MS Lot-Sample #: I4D230243-016 GER331AG-MSD
 Date Sampled....: 04/21/04 11:15 Date Received...: 04/24/04
 Prep Date.....: 04/30/04 Analysis Date...: 04/30/04
 Prep Batch #....: 4124128
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	113	(85 - 115)			SW846 8021B
	132 a, MSC	(85 - 115)	15	(0-20)	SW846 8021B
Ethylbenzene	103	(85 - 115)			SW846 8021B
	155	(85 - 115)	27	(0-20)	SW846 8021B
	Qualifiers: a, p, MSC				
Toluene	122 a, MSC	(85 - 115)			SW846 8021B
	147 a, MSC	(85 - 115)	19	(0-20)	SW846 8021B
Xylenes (total)	115	(85 - 115)			SW846 8021B
	139 a, MSC	(85 - 115)	16	(0-20)	SW846 8021B
Methyl tert-butyl ether	112	(85 - 115)			SW846 8021B
	136 a, MSC	(85 - 115)	18	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(81 - 119)
	110	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	168 *	(73 - 135)
	219 *	(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.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

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

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

Surrogates outside acceptance criteria due to coelution.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4D230243 Work Order #....: GEWL51AC-MS Matrix.....: WATER
 MS Lot-Sample #: I4D240182-004 GEWL51AD-MSD
 Date Sampled....: 04/22/04 15:50 Date Received...: 04/24/04
 Prep Date.....: 05/04/04 Analysis Date...: 05/04/04
 Prep Batch #....: 4126148
 Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	38 a, MSC	(85 - 115)			SW846 8021B
	81 a, MSC	(85 - 115)	8.4	(0-20)	SW846 8021B
Ethylbenzene	70 a, MSC	(85 - 115)			SW846 8021B
	91	(85 - 115)	9.5	(0-20)	SW846 8021B
Toluene	110	(85 - 115)			SW846 8021B
	114	(85 - 115)	3.4	(0-20)	SW846 8021B
Xylenes (total)	100	(85 - 115)			SW846 8021B
	112	(85 - 115)	11	(0-20)	SW846 8021B
Methyl tert-butyl ether	53 a, MSC	(85 - 115)			SW846 8021B
	117 a, MSC	(85 - 115)	14	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	111	(81 - 119)
	113	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	105	(73 - 135)
	108	(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.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: I4D230243

Matrix.....: WATER

Date Sampled....: 04/21/04 08:30 Date Received...: 04/23/04

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY LIMITS	LIMITS	ANALYSIS DATE	BATCH #
Chloride		WO#: GER091AH-MS/GER091AJ-MSD	MS Lot-Sample #: I4D230243-001	
	70 N (85 - 106)	MCAWW 300.0A	05/01/04	4122080
	68 N (85 - 106)	0.80 (0-22) MCAWW 300.0A	05/01/04	4122080
	Dilution Factor: 1			

Chloride		WO#: GEWFD1AX-MS/GEWFD1A0-MSD	MS Lot-Sample #: I4D240153-001	
	80 N (85 - 106)	MCAWW 300.0A	05/05/04	4127132
	80 N (85 - 106)	0.29 (0-22) MCAWW 300.0A	05/05/04	4127132
	Dilution Factor: 1			

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 410.1 COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.

EPA 340.2 Fluoride: Preliminary Bellack distillation not performed.

EPA 8151A: Laboratory utilizes alternate extraction solvent.

Iowa OA-1: Benzene, toluene, ethylbenzene and xylenes (BTEX) not analyzed along with Gasoline Range Organics if client does not require BTEX.

EPA TO-12: Samples are 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

RECEIVED BY: CLLLot No: 140250243DATE/TIME RECEIVED: 1-23-04 0600COC NUMBER: 1UNPACKED DATE/TIME: 4-23-04 1030QUOTE/PROFILE: 55401CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN:

LOG-IN REVIEWED:

Number of Shipping Containers Received
with Chain of Custody 3CL29VOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 CONTAINERS EXAMINED UPON RECEIPT: CLContainer Sealed: ☒ YES ☐ NOCustody Seal Signed/Dated: ☐ YES ☐ NOCustody Seal Present: ☒ YES ☐ NOContainers 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 ☐ NOSamples Received Match Chain: ☐ YES ☐ NOCanister Valves Capped: ☐ YES ☐ NOSee 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: CLIR THERMOMETER #: P5

The temperature of the container(s) is:

[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]

4°	32	42								

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

Samples received do not require cooling _____

OK to analyze samples: ☒ YES ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YESVERIFIED BY: CLLBase samples are >pH 12: ☐ YES ☐ NOAcid preserved are <pH 2: ☐ YES ☐ NO

Cyanide samples checked

Sulfide samples appear

for sulfides: ☐ YESto be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine

Free chlorine present: ☐ YES ☐ NOper specification: ☐ YES

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

Date: _____ Time: _____ ☐ see pH adjustment formVOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOAs 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		Comments
Sample ID	Date/Time	Sample ID	Date/Time	

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC:

☒ YES ☐ NO

Air bill #:

Hand-delivered Carrier:

Date:

Time:

7.0 OTHER COMMENTS:

only Received 2x40ml per Trip Blank

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: 5-10-04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

STL

Lot No: T40230243

COC NUMBER:

QUOTE/PROFILE: 55401

RECEIVED BY: BA

DATE/TIME RECEIVED: 4/24/04 0945

UNPACKED DATE/TIME: 4/24/04 1045

CLIENT/PROJECT: *Marim Tech*

SAMPLES LOGGED IN: LOG-IN REVIEWED:

Number of Shipping Containers Received
with Chain of Custody /

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

1.0 CONTAINERS EXAMINED UPON RECEIPT: *BS*

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 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: BA IR THERMOMETER #: P5

The temperature of the container(s) is: [acceptable tolerance $4^{\circ}\text{C} \pm 2^{\circ}$; (NC, WI: $1\text{--}4.4^{\circ}\text{C}$)]

[illegible]

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:** *BT*

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

Cyanide samples checked	Sulfide samples appear
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

for sulfides: ☐ YES to be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine Free chlorine present: ☐ YES ☐ NO

per specification: ☐ YES

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 VOAs CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

4.0 CONDITION OF BOTTLES/CONTAINERSVERIFIED 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 ☐ NOVOA trip blanks included: 2 x 40-L☒ YES ☐ NO ☐ N/A**5.0 ADDITIONAL DISCREPANCIES**

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

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: _____

CBSDate: 5-10-04**SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE**

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

\$0010949-001

SEVERN
TRENT

023631

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client		Project Manager		Date		Page 1 of 4	
Maxim Technologies		Greg Pope		04/12/2004			
Address		Telephone Number (Area Code)/Fax Number		Lab Location			
1703 E Industrial Ave		(432) 686-8081 / (000)		STL Austin			
City		State		Zip Code			
Midland		TX		79701			
Project Number/Name		Site Contact		Carrier/Waybill Number			
3373 E Hobbs Jct Remediation		Greg Pope					
Contract/Purchase Order/Quote Number		QUOTE: 55401					
CONTRACT / PURCHASE ORDER # : 3373NA3006							

Sample I.D. Number and Description	Date	Time	Sample Type	Containers		Preservative	Condition on Receipt/Comments	I	R
				Volume	Type No.				
MW-21	4/21/04	900	WATER	1L	AMBER	None	42 4-23-04C	Y	0
MW-21		900	WATER	400L	VIAL	4 1:1 HCL		Y	Y
MW-21		900	WATER	250L	PLASTIC	None			Y
MW-16		930	WATER	1L	AMBER	None			Y
MW-16		930	WATER	400L	VIAL	4 1:1 HCL		Y	Y
MW-16		930	WATER	250L	PLASTIC	None		Y	Y
MW-20		1000	WATER	1L	AMBER	None			Y
MW-20		1000	WATER	400L	VIAL	4 1:1 HCL		Y	Y
MW-20		1000	WATER	250L	PLASTIC	None			Y
MW-20		1045	WATER	1L	AMBER	None			Y
MW-20		1045	WATER	400L	VIAL	4 1:1 HCL		Y	Y
MW-20		1045	WATER	250L	PLASTIC	None			Y
	4/21/04	1045	WATER	1L	AMBER	None			Y
			WATER	400L	VIAL	4 1:1 HCL		Y	Y
			WATER	250L	PLASTIC	None			Y
			WATER	1L	AMBER	None			Y
			WATER	400L	VIAL	4 1:1 HCL		Y	Y
			WATER	250L	PLASTIC	None			Y
			WATER	400L	VIAL	4 1:1 HCL		Y	Y
TRIP BLANK 1	4/22/04	1730	WATER					Y	Y

Special Instructions

TPH-CRO & DRO - 8021, 87EY

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
80010949-002

SEVERN
TRENT
STL
Severn Trent Laboratories, Inc.

023632

STL1149 (1202)

Client Maxim Technologies		Project Manager Greg Pope		Date 04/12/2004	Page <u>2</u> of <u>4</u>
Address 1703 W Industrial Ave		Telephone Number (Area Code)/Fax Number (432) 686-8081 / (000)		Lab Location STL Austin	
City Midland	State TX	Zip Code 79701	Site Contact Greg Pope		
Project Number/Name 3373 E Hobbs Jct Remediation		Carrier/Waybill Number			
Contract/Purchase Order/Quote Number CONTRACT / PURCHASE ORDER # 3373HAX006					
QUOTE#, 55401					

Sample I.D. Number and Description	Date	Time	Sample Type	Containers		Preservative	Condition on Receipt/Comments	Analysis											
				Volume	Type	No.													
MFWJ-3	4/21/04	1115	WATER	1L	AMBER	2	None	4" 4/21/04 BB											
MFWJ-3		1115	WATER	40mL	VIAL	4	1:1 HCL												
MFWJ-3		1115	WATER	250mL	PLASTIC	1	None												
MFWJ-23		1145	WATER	1L	AMBER	2	None												
MFWJ-23		1145	WATER	40mL	VIAL	4	1:1 HCL												
MFWJ-23		1145	WATER	250mL	PLASTIC	1	None												
MFWJ-22		1415	WATER	1L	AMBER	2	None												
MFWJ-22		1415	WATER	40mL	VIAL	4	1:1 HCL												
MFWJ-22		1415	WATER	250mL	PLASTIC	1	None												
MFWJ-13		1430	WATER	1L	AMBER	2	None												
MFWJ-13		1430	WATER	40mL	VIAL	4	1:1 HCL												
MFWJ-13		1430	WATER	250mL	PLASTIC	1	None												
MFWJ-13	4/21/04	1430	WATER	1L	AMBER	2	None												
MFWJ-13			WATER	40mL	VIAL	4	1:1 HCL												
MFWJ-13			WATER	250mL	PLASTIC	1	None												
TRIP BLANK	4/22/04	1300	WATER	40mL	VIAL	2	1:1 HCL												

TPH-GRO & DRO, 8021 BTEX

Possible Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Return To Client	☒ Disposal By Lab
Turn Around Time Required		QC Level		Archive For _____ Months	
☒ Normal	☐ Rush	☒ I.	☐ II.	☐ III.	
1. Relinquished By _____		Date	Time	Date	Time
2. Relinquished By _____		4-12-04	1500	4/15/04	1130
3. Relinquished By _____		Date	Time	Date	Time
4/22/04		1300	4/22/04	0945	

Comments

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

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

\$010949-003

SEVERN
TRENT

023633

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client		Project Manager		Date	Page
Maxin Technologies		Greg Pope		04/12/2004	3 of 4
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			
3373 E Hobbs Jct Remediation					
Contract/Purchase Order/Quote Number		QUOTE: 55401		Analysis	
CONTRACT / PURCHASE ORDER # : 3373MAX006				G T P C C P P C 8 H H C 0 V S L 2 I I I 1 L D L 1 L R O	

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Type	No.	Preservative	Condition on Receipt/Comments	Analysis
MW-19	4/21/04	1500	WATER	1L	AMBER	2	None	402 4-23-04C	X
MW-19		1500	WATER	40mL	VIAL	4	1:1 HCL	SEE APP	X
MW-19		1500	WATER	250mL	PLASTIC	1	None		X
MW-14		1530	WATER	1L	AMBER	2	None		X
MW-14		1530	WATER	40mL	VIAL	4	1:1 HCL		X
MW-14		1530	WATER	250mL	PLASTIC	1	None		X
MW-18		1600	WATER	1L	AMBER	2	None		X
MW-18		1600	WATER	40mL	VIAL	4	1:1 HCL		X
MW-18		1600	WATER	250mL	PLASTIC	1	None		X
MW-12		1640	WATER	1L	AMBER	2	None		X
MW-12		1640	WATER	40mL	VIAL	4	1:1 HCL		X
MW-12		1640	WATER	250mL	PLASTIC	1	None		X
MW-12	4/21/04	1640	WATER	1L	AMBER	2	None		X
MW-12			WATER	40mL	VIAL	4	1:1 HCL		X
MW-12			WATER	250mL	PLASTIC	1	None		X
TRIP BLANK	4/22/04	1315	WATER	40mL	VIAL	2	1:1 HCL		X

Special Instructions: TPN-GRO & DRO, 8021 BTEX

Possible Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Disposal By Lab
Turn Around Time Required		QC Level		Archive For	
☒ Normal	☐ Rush	☐ I	☐ II	☐ III	Months
1. Relinquished By		Date	Time	1. Received By	
		4/22/04	1500	4/15/04 1130	
2. Relinquished By		Date	Time	2. Received By	
		4/22/04	1315	4-23-04 0800	
3. Relinquished By		Date	Time	3. Received By	

Comments

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

STL4149 (1202)

Client

Maxin Technologies

1703 W Industrial Ave

City

Midland

Project Number/Name

3373 E Hobbs Jct Remediation

Project Manager

Greg Pope

Telephone Number (Area Code)/Fax Number

(432) 686-8081 / (000)

Date

04/12/2004

Page

1

of

1

Lab Location

STL Austin

Analysis

Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : 3373MAX006

QUOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers	Preservative	Condition on Receipt/Comments
SVF-10	4/22/04	900	WATER	1L	AMBER	None	402 4-23-04 CC
SVF-10		900	WATER	40mL	VIAL	1:1 HCL	
SVF-10		900	WATER	250mL	PLASTIC	None	
TRIP BLANK 1		1330	WATER	40mL	VIAL	1:1 HCL	
MW-4		945	WATER	1L	AMBER	None	
MW-4		945		40mL	VIAL	HCL	
MW-4		945		250mL	PLASTIC	None	
MW-5		1020		1L	AMBER	None	
MW-5		1020		40mL	VIAL	HCL	
MW-5		1020		250mL	PLASTIC	None	
MW-5D		1030		1L	AMBER	None	
MW-5D		1030		40mL	VIAL	HCL	
MW-5D	4/22/04	1030	WATER	250mL	PLASTIC	None	

Special Instructions

YPH-GRO & DRO, 8021 BTEX

Possible Hazard Identification

☒ Non-Hazard
 ☐ Flammable
 ☐ Skin Irritant
 ☐ Poison B
 ☐ Unknown

Sample Disposal

☐ Return To Client
 ☒ Disposal By Lab
 ☐ Archive For
 ☐ Months

Turn Around Time Required

☒ Normal
 ☐ Rush
 ☐ Other

1. Relinquished By

4-12-04

1500

2. Relinquished By

4/22/04

1330

3. Relinquished By

4/15/04

1130

Comments

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

Certificate of Analysis

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

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM

3373 E Hobbs Jct Remediation

Lot #: I4G230278

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Carla Butler".

Carla M. Butler
Project Manager

August 12, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

.Case Narrative

STL LOT NUMBER: I4G230278

This report contains the analytical results for the 21 samples received under chain of custody by Severn Trent Laboratories (STL) on July 23 and 24, 2004. These samples are associated with your 3373 E Hobbs Jct Remediation project.

All samples were received in good condition and within temperature requirements with the exception of the following. One liter was received broken for MW-18, MW-21, and MW-23. Two 40 ml vials were received broken for MW-16 and MW-20 and three vials for MTW-1. There was sufficient intact sample to perform all requested analysis.

There was insufficient sample volume to prepare a Matrix Spike/Matrix Spike Duplicate for the DRO analysis. 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.

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

I4G230278

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-19 07/22/04 11:15 001				
Chloride	177	20.0	mg/L	MCAWW 300.0A
MW-14 07/22/04 11:45 002				
Diesel Range Organics	0.059	0.048	mg/L	SW846 8015B
Benzene	4.0	1.0	ug/L	SW846 8021B
Chloride	203	20.0	mg/L	MCAWW 300.0A
MW-18 07/22/04 13:40 003				
Diesel Range Organics	0.15	0.048	mg/L	SW846 8015B
Gasoline Range Organics	4.0	0.10	mg/L	SW846 8015B
Benzene	520	5.0	ug/L	SW846 8021B
Ethylbenzene	110	1.0	ug/L	SW846 8021B
Xylenes (total)	70	3.0	ug/L	SW846 8021B
Chloride	205	20.0	mg/L	MCAWW 300.0A
MW-4 07/22/04 14:10 004				
Chloride	192	20.0	mg/L	MCAWW 300.0A
MW-21 07/21/04 15:50 006				
Chloride	613	100	mg/L	MCAWW 300.0A
MW-16 07/21/04 16:20 007				
Chloride	185	20.0	mg/L	MCAWW 300.0A
MW-20 07/21/04 16:50 008				
Chloride	69.4	20.0	mg/L	MCAWW 300.0A
MTW-1 07/21/04 17:30 009				
Diesel Range Organics	0.050	0.048	mg/L	SW846 8015B
Chloride	142	20.0	mg/L	MCAWW 300.0A
MTW-2 07/22/04 09:00 011				
Diesel Range Organics	0.45	0.048	mg/L	SW846 8015B
Gasoline Range Organics	2.2	0.20	mg/L	SW846 8015B
Benzene	400	2.0	ug/L	SW846 8021B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4G230278

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MTW-2 07/22/04 09:00 011				
Ethylbenzene	37	2.0	ug/L	SW846 8021B
Toluene	36	2.0	ug/L	SW846 8021B
Xylenes (total)	35	6.0	ug/L	SW846 8021B
Chloride	165	20.0	mg/L	MCAWW 300.0A
MTW-3 07/22/04 09:30 012				
Diesel Range Organics	0.094	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.71	0.10	mg/L	SW846 8015B
Benzene	5.8	1.0	ug/L	SW846 8021B
Ethylbenzene	28	1.0	ug/L	SW846 8021B
Xylenes (total)	25	3.0	ug/L	SW846 8021B
Chloride	116	20.0	mg/L	MCAWW 300.0A
MW-23 07/22/04 10:00 013				
Chloride	59.0	20.0	mg/L	MCAWW 300.0A
MW-22 07/22/04 10:20 014				
Chloride	78.3	20.0	mg/L	MCAWW 300.0A
MW-13 07/22/04 10:50 015				
Chloride	64.6	20.0	mg/L	MCAWW 300.0A
MW-5 07/23/04 09:00 018				
Gasoline Range Organics	0.13	0.10	mg/L	SW846 8015B
Benzene	11	1.0	ug/L	SW846 8021B
Ethylbenzene	1.2	1.0	ug/L	SW846 8021B
Toluene	10	1.0	ug/L	SW846 8021B
Chloride	197	20.0	mg/L	MCAWW 300.0A
SVE-10 07/23/04 09:30 019				
Diesel Range Organics	0.48	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.46	0.10	mg/L	SW846 8015B
Benzene	77	1.0	ug/L	SW846 8021B
Ethylbenzene	14	1.0	ug/L	SW846 8021B
Chloride	250	50.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4G230278

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-12 07/23/04 10:25 020				
Diesel Range Organics	0.33	0.048	mg/L	SW846 8015B
Gasoline Range Organics	12	2.0	mg/L	SW846 8015B
Benzene	3200	20	ug/L	SW846 8021B
Ethylbenzene	66	20	ug/L	SW846 8021B
Xylenes (total)	160	60	ug/L	SW846 8021B
Chloride	195	20.0	mg/L	MCAWW 300.0A
MW-12D 07/23/04 10:30 021				
Diesel Range Organics	0.33	0.048	mg/L	SW846 8015B
Gasoline Range Organics	12	2.0	mg/L	SW846 8015B
Benzene	3300	20	ug/L	SW846 8021B
Ethylbenzene	71	20	ug/L	SW846 8021B
Xylenes (total)	160	60	ug/L	SW846 8021B
Chloride	196	20.0	mg/L	MCAWW 300.0A

ANALYTICAL METHODS SUMMARY

I4G230278

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	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

I4G230278

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Beth Driskill	008945
SW846 8015B	Scott Leslie	401008
SW846 8021B	Beth Driskill	008945

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

I4G230278

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GLPLC	001	MW-19	07/22/04	11:15
GLPLP	002	MW-14	07/22/04	11:45
GLPLV	003	MW-18	07/22/04	13:40
GLPLO	004	MW-4	07/22/04	14:10
GLPL3	005	TRIP BLANK 3	07/22/04	15:40
GLPL8	006	MW-21	07/21/04	15:50
GLPMP	007	MW-16	07/21/04	16:20
GLPMX	008	MW-20	07/21/04	16:50
GLPM4	009	MTW-1	07/21/04	17:30
GLPM7	010	TRIP BLANK 1	07/22/04	15:10
GLPND	011	MTW-2	07/22/04	09:00
GLPNK	012	MTW-3	07/22/04	09:30
GLPNN	013	MW-23	07/22/04	10:00
GLPNQ	014	MW-22	07/22/04	10:20
GLPNV	015	MW-13	07/22/04	10:50
GLPNO	016	TRIP BLANK 2	07/22/04	15:25
GLRWW	017	TRIP BLANK 1	07/23/04	08:55
GLRW0	018	MW-5	07/23/04	09:00
GLRW1	019	SVE-10	07/23/04	09:30
GLRW7	020	MW-12	07/23/04	10:25
GLRW8	021	MW-12D	07/23/04	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

I4G230278

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
002	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
003	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
	WATER	SW846 8021B		4211140	4211090
004	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4211140	4211090
005	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
006	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
007	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
008	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
009	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4G230278

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
011	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
012	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4210098	4210059
	WATER	SW846 8021B		4210097	4210058
013	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
014	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
015	WATER	MCAWW 300.0A		4209176	4209107
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
016	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
017	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
018	WATER	MCAWW 300.0A		4210118	4210070
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
019	WATER	MCAWW 300.0A		4210350	4210216
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090

(Continued on next page)

QC DATA ASSOCIATION SUMMARY**I4G230278****Sample Preparation and Analysis Control Numbers**

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
020	WATER	MCAWW 300.0A		4210118	4210070
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090
021	WATER	MCAWW 300.0A		4210118	4210070
	WATER	SW846 8015B		4210643	
	WATER	SW846 8015B		4211146	4211094
	WATER	SW846 8021B		4211140	4211090

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I4G230278-001 Work Order #....: GLPLC1AA Matrix.....: WATER
Date Sampled....: 07/22/04 11:15 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I4G230278-001 Work Order #....: GLPLC1AD Matrix.....: WATER
Date Sampled....: 07/22/04 11:15 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Semivolatiles

Lot-Sample #....: I4G230278-001 Work Order #....: GLPLC1AC Matrix.....: WATER
Date Sampled....: 07/22/04 11:15 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	107	(41 - 143)
Dotriacontane	132	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-19

General Chemistry

Lot-Sample #...: I4G230278-001 Work Order #...: GLPLC Matrix.....: WATER
Date Sampled...: 07/22/04 11:15 Date Received...: 07/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	177	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I4G230278-002 Work Order #....: GLPLP1AA Matrix.....: WATER
Date Sampled....: 07/22/04 11:45 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I4G230278-002 Work Order #....: GLPLP1AD Matrix.....: WATER
Date Sampled....: 07/22/04 11:45 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	4.0	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #....: I4G230278-002 Work Order #....: GLPLP1AC Matrix.....: WATER
Date Sampled....: 07/22/04 11:45 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.059	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	113	(41 - 143)
Dotriacontane	134	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-14

General Chemistry

Lot-Sample #....: I4G230278-002 Work Order #....: GLPLP Matrix.....: WATER
Date Sampled....: 07/22/04 11:45 Date Received...: 07/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	203	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4G230278-003 Work Order #....: GLPLV1AA Matrix.....: WATER
Date Sampled....: 07/22/04 13:40 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	4.0	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4G230278-003 Work Order #....: GLPLV1AD Matrix.....: WATER
Date Sampled...: 07/22/04 13:40 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethylbenzene	110	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	70	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4G230278-003 Work Order #....: GLPLV2AD Matrix.....: WATER
Date Sampled....: 07/22/04 13:40 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 5 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	520	5.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	119	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #....: I4G230278-003 Work Order #....: GLPLVLAC Matrix.....: WATER
Date Sampled....: 07/22/04 13:40 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	115	(41 - 143)
Dotriacontane	140	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-18

General Chemistry

Lot-Sample #...: I4G230278-003 Work Order #...: GLPLV
Date Sampled...: 07/22/04 13:40 Date Received...: 07/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	205	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #...: I4G230278-004 Work Order #...: GLPL01AA Matrix.....: WATER
Date Sampled...: 07/22/04 14:10 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #...: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: I4G230278-004 Work Order #....: GLPL02AD Matrix.....: WATER
Date Sampled....: 07/22/04 14:10 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #...: I4G230278-004 Work Order #...: GLPL01AC Matrix.....: WATER
Date Sampled...: 07/22/04 14:10 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #...: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	105	(41 - 143)
Dotriacontane	126	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-4

General Chemistry

Lot-Sample #....: I4G230278-004 Work Order #....: GLPL0 Matrix.....: WATER
Date Sampled....: 07/22/04 14:10 Date Received...: 07/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	192	20.0	mg/L	MCAW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #....: I4G230278-005 Work Order #....: GLPL31AA Matrix.....: WATER
Date Sampled...: 07/22/04 15:40 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #....: I4G230278-005 Work Order #....: GLPL31AC Matrix.....: WATER
Date Sampled....: 07/22/04 15:40 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 42111140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #.... I4G230278-006 Work Order #.... GLPL81AA Matrix.....: WATER
Date Sampled....: 07/21/04 15:50 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I4G230278-006 Work Order #....: GLPL81AD Matrix.....: WATER
Date Sampled....: 07/21/04 15:50 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Semivolatiles

Lot-Sample #....: I4G230278-006 Work Order #....: GLPL81AC Matrix.....: WATER
Date Sampled....: 07/21/04 15:50 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	104	(41 - 143)
Dotriacontane	122	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-21

General Chemistry

Lot-Sample #...: I4G230278-006 Work Order #...: GLPL8
Date Sampled...: 07/21/04 15:50 Date Received...: 07/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	613	100	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I4G230278-007 Work Order #....: GLPMP1AA Matrix.....: WATER
Date Sampled...: 07/21/04 16:20 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene (GRO)	88	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I4G230278-007 Work Order #....: GLPMP1AD Matrix.....: WATER
Date Sampled....: 07/21/04 16:20 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Semivolatiles

Lot-Sample #....: I4G230278-007 Work Order #....: GLPMP1AC Matrix.....: WATER
Date Sampled....: 07/21/04 16:20 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	84	(41 - 143)
Dotriacontane	105	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-16

General Chemistry

Lot-Sample #....: I4G230278-007 Work Order #....: GLPMP
Date Sampled....: 07/21/04 16:20 Date Received...: 07/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	185	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I4G230278-008 Work Order #....: GLPMX1AA Matrix.....: WATER
Date Sampled....: 07/21/04 16:50 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I4G230278-008 Work Order #....: GLPMX1AD Matrix.....: WATER
Date Sampled....: 07/21/04 16:50 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Semivolatiles

Lot-Sample #....: I4G230278-008 Work Order #....: GLPMX1AC Matrix.....: WATER
Date Sampled....: 07/21/04 16:50 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	109	(41 - 143)
Dotriacontane	123	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-20

General Chemistry

Lot-Sample #...: I4G230278-008 Work Order #...: GLPMX Matrix.....: WATER
Date Sampled...: 07/21/04 16:50 Date Received...: 07/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	69.4	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MTW-1

GC Volatiles

Lot-Sample #....: I4G230278-009 Work Order #....: GLPM41AA Matrix.....: WATER
Date Sampled....: 07/21/04 17:30 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MTW-1

GC Volatiles

Lot-Sample #....: I4G230278-009 Work Order #....: GLPM41AD Matrix.....: WATER
Date Sampled....: 07/21/04 17:30 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	105	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MTW-1

GC Semivolatiles

Lot-Sample #....: I4G230278-009 Work Order #....: GLPM41AC Matrix.....: WATER
Date Sampled....: 07/21/04 17:30 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.050	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	111	(41 - 143)
Dotriacontane	136	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MTW-1

General Chemistry

Lot-Sample #....: I4G230278-009 Work Order #....: GLPM4
Date Sampled....: 07/21/04 17:30 Date Received...: 07/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	142	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4G230278-010 Work Order #....: GLPM71AA Matrix.....: WATER
Date Sampled....: 07/22/04 15:10 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	83	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4G230278-010 Work Order #....: GLPM71AC Matrix.....: WATER
Date Sampled....: 07/22/04 15:10 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MIW-2

GC Volatiles

Lot-Sample #....: I4G230278-011 Work Order #....: GLPND1AA Matrix.....: WATER
Date Sampled....: 07/22/04 09:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 2 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	2.2	0.20	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MTW-2

GC Volatiles

Lot-Sample #....: I4G230278-011 Work Order #....: GLPND1AD Matrix.....: WATER
Date Sampled....: 07/22/04 09:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 2 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	400	2.0	ug/L
Ethylbenzene	37	2.0	ug/L
Toluene	36	2.0	ug/L
Xylenes (total)	35	6.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	117	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MTW-2

GC Semivolatiles

Lot-Sample #....: I4G230278-011 Work Order #....: GLPND1AC Matrix.....: WATER
Date Sampled....: 07/22/04 09:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.45	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	114	(41 - 143)
Dotriacontane	132	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MTW-2

General Chemistry

Lot-Sample #...: I4G230278-011 Work Order #...: GLPND
Date Sampled...: 07/22/04 09:00 Date Received...: 07/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	165	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MTW-3

GC Volatiles

Lot-Sample #...: I4G230278-012 Work Order #...: GLPNK1AA Matrix.....: WATER
Date Sampled...: 07/22/04 09:30 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #...: 4210098
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	90	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MTW-3

GC Volatiles

Lot-Sample #....: I4G230278-012 Work Order #....: GLPNK1AD Matrix.....: WATER
Date Sampled....: 07/22/04 09:30 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	5.8	1.0	ug/L
Ethylbenzene	28	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	25	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	128	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MTW-3

GC Semivolatiles

Lot-Sample #....: I4G230278-012 Work Order #....: GLPNK1AC Matrix.....: WATER
Date Sampled....: 07/22/04 09:30 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.094	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	116	(41 - 143)
Dotriacontane	148	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MTW-3

General Chemistry

Lot-Sample #....: I4G230278-012

Work Order #....: GLPNK

Matrix.....: WATER

Date Sampled....: 07/22/04 09:30

Date Received...: 07/23/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	116	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #....: I4G230278-013 Work Order #....: GLPNN1AA Matrix.....: WATER
Date Sampled....: 07/22/04 10:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #....: I4G230278-013 Work Order #....: GLPNN1AD Matrix.....: WATER
Date Sampled....: 07/22/04 10:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Semivolatiles

Lot-Sample #....: I4G230278-013 Work Order #....: GLPNN1AC Matrix.....: WATER
Date Sampled....: 07/22/04 10:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	101	(41 - 143)
Dotriacontane	122	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-23

General Chemistry

Lot-Sample #....: I4G230278-013 Work Order #....: GLPNN
Date Sampled....: 07/22/04 10:00 Date Received...: 07/23/04

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	59.0	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I4G230278-014 Work Order #....: GLPNQ1AA Matrix.....: WATER
Date Sampled....: 07/22/04 10:20 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I4G230278-014 Work Order #....: GLPNQ1AD Matrix.....: WATER
Date Sampled....: 07/22/04 10:20 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Semivolatiles

Lot-Sample #....: I4G230278-014 Work Order #....: GLPNQ1AC Matrix.....: WATER
Date Sampled....: 07/22/04 10:20 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	111	(41 - 143)
Dotriacontane	134	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-22

General Chemistry

Lot-Sample #.... I4G230278-014 Work Order #.... GLPNQ
Date Sampled.... 07/22/04 10:20 Date Received... 07/23/04

Matrix..... WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	78.3	20.0	mg/L	MCAW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I4G230278-015 Work Order #....: GLPNV1AA Matrix.....: WATER
Date Sampled....: 07/22/04 10:50 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I4G230278-015 Work Order #....: GLPNV1AD Matrix.....: WATER
Date Sampled....: 07/22/04 10:50 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #....: I4G230278-015 Work Order #....: GLPNV1AC Matrix.....: WATER
Date Sampled....: 07/22/04 10:50 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	123	(41 - 143)
Dotriacontane	142	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I4G230278-015 Work Order #...: GLPNV
Date Sampled...: 07/22/04 10:50 Date Received...: 07/23/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	64.6	20.0	mg/L	MCAWW 300.0A	07/27/04	4209176

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I4G230278-016 Work Order #....: GLPN01AA Matrix.....: WATER
Date Sampled....: 07/22/04 15:25 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I4G230278-016 Work Order #....: GLPN01AC Matrix.....: WATER
Date Sampled....: 07/22/04 15:25 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4G230278-017 Work Order #....: GLRWW1AA Matrix.....: WATER
Date Sampled....: 07/23/04 08:55 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	83	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4G230278-017 Work Order #....: GLRWW1AC Matrix.....: WATER
Date Sampled...: 07/23/04 08:55 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #...: I4G230278-018 Work Order #...: GLRW01AA Matrix.....: WATER
Date Sampled...: 07/23/04 09:00 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #...: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.13	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: I4G230278-018 Work Order #....: GLRW01AD Matrix.....: WATER
Date Sampled....: 07/23/04 09:00 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	11	1.0	ug/L
Ethylbenzene	1.2	1.0	ug/L
Toluene	10	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	104	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Semivolatiles

Lot-Sample #....: I4G230278-018 Work Order #....: GLRW01AC Matrix.....: WATER
Date Sampled....: 07/23/04 09:00 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048		mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	114	(41 - 143)
Dotriacontane	133	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: I4G230278-018 Work Order #...: GLRW0
Date Sampled...: 07/23/04 09:00 Date Received...: 07/24/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	197	20.0	mg/L	MCAW 300.0A	07/27/04	4210118
		Dilution Factor: 20				

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I4G230278-019 Work Order #....: GLRW11AA Matrix.....: WATER
Date Sampled....: 07/23/04 09:30 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.46	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	114	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I4G230278-019 Work Order #....: GLRW11AD Matrix.....: WATER
Date Sampled....: 07/23/04 09:30 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	77	1.0	ug/L
Ethylbenzene	14	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	116	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	105	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Semivolatiles

Lot-Sample #...: I4G230278-019 Work Order #...: GLRW11AC Matrix.....: WATER
Date Sampled...: 07/23/04 09:30 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #...: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.48	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	97	(41 - 143)
Dotriacontane	116	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: SVE-10

General Chemistry

Lot-Sample #....: I4G230278-019 Work Order #....: GLRW1
Date Sampled....: 07/23/04 09:30 Date Received...: 07/24/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	250	50.0	mg/L	MCAWW 300.0A	07/28/04	4210350

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I4G230278-020 Work Order #....: GLRW71AA Matrix.....: WATER
 Date Sampled...: 07/23/04 10:25 Date Received...: 07/24/04
 Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
 Prep Batch #....: 4211146
 Dilution Factor: 20 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	12	2.0	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	87	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I4G230278-020 Work Order #....: GLRW71AD Matrix.....: WATER
Date Sampled....: 07/23/04 10:25 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 20 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	3200	20	ug/L
Ethylbenzene	66	20	ug/L
Toluene	ND	20	ug/L
Xylenes (total)	160	60	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	109	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #....: I4G230278-020 Work Order #....: GLRW71AC Matrix.....: WATER
Date Sampled....: 07/23/04 10:25 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.33	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	106	(41 - 143)
Dotriacontane	134	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-12

General Chemistry

Lot-Sample #...: I4G230278-020 Work Order #...: GLRW7
Date Sampled...: 07/23/04 10:25 Date Received...: 07/24/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	195	20.0	mg/L	MCAWW 300.0A	07/27/04	4210118
		Dilution Factor: 20				

CONOCOPHILLIPS

Client Sample ID: MW-12D

GC Volatiles

Lot-Sample #...: I4G230278-021 Work Order #...: GLRW81AA Matrix.....: WATER
Date Sampled...: 07/23/04 10:30 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #...: 4211146
Dilution Factor: 20 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	12	2.0	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-12D

GC Volatiles

Lot-Sample #....: I4G230278-021 Work Order #....: GLRW81AD Matrix.....: WATER
Date Sampled....: 07/23/04 10:30 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 20 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	3300	20	ug/L
Ethylbenzene	71	20	ug/L
Toluene	ND	20	ug/L
Xylenes (total)	160	60	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-12D

GC Semivolatiles

Lot-Sample #....: I4G230278-021 Work Order #....: GLRW81AC Matrix.....: WATER
Date Sampled....: 07/23/04 10:30 Date Received...: 07/24/04
Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
Prep Batch #....: 4210643
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.33	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	116	(41 - 143)
Dotriacontane	137	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-12D

General Chemistry

Lot-Sample #...: I4G230278-021 Work Order #...: GLRW8
Date Sampled...: 07/23/04 10:30 Date Received...: 07/24/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	196	20.0	mg/L	MCAWW 300.0A	07/27/04	4210118

Dilution Factor: 20

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4G230278
MB Lot-Sample #: I4G280000-098

Work Order #...: GL1C21AA

Matrix.....: WATER

Analysis Date...: 07/27/04
Dilution Factor: 1

Prep Date.....: 07/27/04

Prep Batch #...: 4210098

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4G230278
MB Lot-Sample #: I4G290000-146

Work Order #...: GL3X21AA

Matrix.....: WATER

Analysis Date...: 07/28/04

Prep Date.....: 07/28/04

Dilution Factor: 1

Prep Batch #...: 4211146

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4G230278
MB Lot-Sample #: I4G280000-097

Work Order #....: GL1C11AA

Matrix.....: WATER

Analysis Date...: 07/27/04
Dilution Factor: 1

Prep Date.....: 07/27/04
Prep Batch #....: 4210097

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(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 Volatiles

Client Lot #....: I4G230278
MB Lot-Sample #: I4G290000-140

Work Order #....: GL3W71AA

Matrix.....: WATER

Analysis Date...: 07/28/04
Dilution Factor: 1

Prep Date.....: 07/28/04
Prep Batch #....: 4211140

		REPORTING		
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	97	(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

GC Semivolatiles

Client Lot #....: I4G230278
MB Lot-Sample #: I4G280000-643

Work Order #....: GL3KD1AA

Matrix.....: WATER

Analysis Date...: 07/30/04
Dilution Factor: 1

Prep Date.....: 07/28/04
Prep Batch #....: 4210643

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	110	(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 #....: I4G230278

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: GLW2A1AA 1.0 Dilution Factor: 1	mg/L	MB Lot-Sample #: I4G270000-176 MCAWW 300.0A	07/27/04	4209176
Chloride	ND	Work Order #: GL1FF1AA 1.0 Dilution Factor: 1	mg/L	MB Lot-Sample #: I4G280000-118 MCAWW 300.0A	07/27/04	4210118
Chloride	ND	Work Order #: GL2A41AA 1.0 Dilution Factor: 1	mg/L	MB Lot-Sample #: I4G280000-350 MCAWW 300.0A	07/28/04	4210350

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4G230278 Work Order #....: GL1C21AC Matrix.....: WATER
LCS Lot-Sample#: I4G280000-098
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210098
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	96	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	90	(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 #....: I4G230278 Work Order #....: GL3X21AC Matrix.....: WATER
LCS Lot-Sample#: I4G290000-146
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211146
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	98	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	91	(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 #....: I4G230278 Work Order #....: GL1C11AC Matrix.....: WATER
LCS Lot-Sample#: I4G280000-097
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #....: 4210097
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	105	(85 - 115)	SW846 8021B
Ethylbenzene	105	(85 - 115)	SW846 8021B
Toluene	101	(85 - 115)	SW846 8021B
Xylenes (total)	106	(85 - 115)	SW846 8021B
Methyl tert-butyl ether	104	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	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 #....: I4G230278 Work Order #....: GL3W71AC Matrix.....: WATER
LCS Lot-Sample#: I4G290000-140
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #....: 4211140
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	102	(85 - 115)	SW846 8021B
Ethylbenzene	103	(85 - 115)	SW846 8021B
Toluene	98	(85 - 115)	SW846 8021B
Xylenes (total)	103	(85 - 115)	SW846 8021B
Methyl tert-butyl ether	106	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	100	(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 #...: I4G230278 Work Order #...: GL3KD1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4G280000-643 GL3KD1AD-LCSD
 Prep Date.....: 07/28/04 Analysis Date...: 07/31/04
 Prep Batch #...: 4210643
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	92	(44 - 151)			SW846 8015B
	85	(44 - 151)	8.7	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	118	(41 - 143)
	112	(41 - 143)
Dotriacontane	139	(12 - 153)
	135	(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 #....: I4G230278

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	95	Work Order #: GLW2A1AC LCS Lot-Sample#: I4G270000-176 (85 - 106) Dilution Factor: 1	MCAWW 300.0A	07/27/04	4209176
Chloride	93	Work Order #: GL1FF1AC LCS Lot-Sample#: I4G280000-118 (85 - 106) Dilution Factor: 1	MCAWW 300.0A	07/27/04	4210118
Chloride	95	Work Order #: GL2A41AC LCS Lot-Sample#: I4G280000-350 (85 - 106) Dilution Factor: 1	MCAWW 300.0A	07/28/04	4210350

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4G230278 Work Order #...: GLPP11AF-MS Matrix.....: WATER
MS Lot-Sample #: I4G230289-002 GLPP11AG-MSD
Date Sampled...: 07/21/04 09:30 Date Received...: 07/23/04
Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
Prep Batch #...: 4210098
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	95	(79 - 124)			SW846 8015B
	95	(79 - 124)	0.23	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)
	87	(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 #...: I4G230278 Work Order #...: GLPND1AF-MS Matrix.....: WATER
MS Lot-Sample #: I4G230278-011 GLPND1AG-MSD
Date Sampled...: 07/22/04 09:00 Date Received...: 07/23/04
Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
Prep Batch #...: 4211146
Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	111	(79 - 124)			SW846 8015B
	104	(79 - 124)	4.2	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	103	(75 - 122)
	101	(75 - 122)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4G230278 Work Order #....: GLPPF1AH-MS Matrix.....: WATER
 MS Lot-Sample #: I4G230289-001 GLPPF1AJ-MSD
 Date Sampled....: 07/21/04 08:55 Date Received...: 07/23/04
 Prep Date.....: 07/27/04 Analysis Date...: 07/27/04
 Prep Batch #....: 4210097
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	115	(85 - 115)			SW846 8021B
	120 a	(85 - 115)	3.9	(0-20)	SW846 8021B
Ethylbenzene	113	(85 - 115)			SW846 8021B
	119 a	(85 - 115)	4.4	(0-20)	SW846 8021B
Toluene	108	(85 - 115)			SW846 8021B
	113	(85 - 115)	4.0	(0-20)	SW846 8021B
Xylenes (total)	112	(85 - 115)			SW846 8021B
	117 a	(85 - 115)	4.1	(0-20)	SW846 8021B
Methyl tert-butyl ether	111	(85 - 115)			SW846 8021B
	109	(85 - 115)	1.6	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
	100	(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 Volatiles

Client Lot #...: I4G230278 Work Order #...: GLNA41AE-MS Matrix.....: WATER
 MS Lot-Sample #: I4G230125-001 GLNA41AF-MSD
 Date Sampled...: 07/22/04 17:30 Date Received...: 07/23/04
 Prep Date.....: 07/28/04 Analysis Date...: 07/28/04
 Prep Batch #...: 4211140
 Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	106	(85 - 115)			SW846 8021B
	108	(85 - 115)	1.5	(0-20)	SW846 8021B
Ethylbenzene	105	(85 - 115)			SW846 8021B
	108	(85 - 115)	2.6	(0-20)	SW846 8021B
Toluene	98	(85 - 115)			SW846 8021B
	101	(85 - 115)	2.7	(0-20)	SW846 8021B
Xylenes (total)	105	(85 - 115)			SW846 8021B
	108	(85 - 115)	2.4	(0-20)	SW846 8021B
Methyl tert-butyl ether	106	(85 - 115)			SW846 8021B
	109	(85 - 115)	2.3	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)
	101	(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 #...: I4G230278

Matrix.....: WATER

Date Sampled...: 07/23/04 15:00 Date Received...: 07/24/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#: GLPPF1AF-MS/GLPPF1AG-MSD		MS Lot-Sample #: I4G230289-001		
	97	(85 - 106)			MCAWW 300.0A	07/27/04	4209176
	99	(85 - 106)	0.98 (0-22)		MCAWW 300.0A	07/27/04	4209176
			Dilution Factor: 20				
Chloride			WO#: GLRW01AF-MS/GLRW01AG-MSD		MS Lot-Sample #: I4G230278-018		
	86	(85 - 106)			MCAWW 300.0A	07/27/04	4210118
	85	(85 - 106)	0.33 (0-22)		MCAWW 300.0A	07/27/04	4210118
			Dilution Factor: 1				
Chloride			WO#: GLXNR1AW-MS/GLXNR1AX-MSD		MS Lot-Sample #: I4G270228-001		
	102	(85 - 106)			MCAWW 300.0A	07/28/04	4210350
	100	(85 - 106)	0.91 (0-22)		MCAWW 300.0A	07/28/04	4210350
			Dilution Factor: 1				

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

RECEIVED BY: RTDATE/TIME RECEIVED: 7-24-04/1250UNPACKED DATE/TIME: 7-24-04/1305CLIENT/PROJECT: MaximNumber of Shipping Containers Received
with Chain of Custody 1Lot No: I46230278 - 017b - 021

COC NUMBER: _____

QUOTE/PROFILE: 55401Add to lot I46230278

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

RT CRVOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 CONTAINERS EXAMINED UPON RECEIPT: RTContainer Sealed: ☒ YES ☐ NOCustody Seal Signed/Dated: ☒ YES ☐ NOCustody Seal Present: ☒ YES ☐ NOContainers 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 ☐ NOSamples Received Match Chain: ☐ YES ☐ NOCanister Valves Capped: ☐ YES ☐ NOOther Equipment Received: ☐ YES ☐ NOValve Cap Tightened Properly: ☐ YES ☐ NOSee 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: RT 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	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 ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES VERIFIED BY: RTBase samples are >pH 12: ☐ YES ☐ NOAcid preserved are <pH 2: ☒ YES ☐ NOCyanide samples checked
for sulfides: ☐ YESSulfide samples appear
to be preserved with zinc acetate: ☐ YES ☐ NOSamples checked for chlorine
per specification (N.C.) ☐ YESFree chlorine present: ☐ YES ☐ NO

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

Date: _____ Time: _____ ☐ see pH adjustment formVOLATILE 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:

240 ☒ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

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: CSDate: 8-4-04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

SEVERN
TRENT

STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I46230278RECEIVED BY: LT

COC NUMBER: _____

DATE/TIME RECEIVED: 7-23-04/0930QUOTE/PROFILE: 55401UNPACKED DATE/TIME: 7-23-04/1100CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received
with Chain of Custody 3LT CLVOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 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	40	SC	40	SC	30	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 ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES VERIFIED BY: LTBase samples are >pH 12: ☐ YES ☐ NO Acid preserved are <pH 2: ☒ YES ☐ NOCyanide 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
MW-21	7mm

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:

2x40mL☒ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

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:

MW-18 1x1L broken; MW-16 2x40mL broken; MW-20 2x40mL broken;
 MTW-1 3x40mL broken; MW-23 1x1L broken; MW-21 1x1L Broken
 (1 shot for R021 + G-R0)

Trip Blank receive only 2x40mL not 4x40mL as on COC

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: _____

CMBDate: 8-4-04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody
Record

CHAIN OF CUSTODY NUMBER
98011364-002

SEVERN
TRENT

38031

Severn Trent Laboratories, Inc.

4149 (1202)

Client Pine Technologies	Project Manager Greg Pope	Date 07/13/2004	Page 2 of 6
Address 13 W Industrial Ave	Telephone Number (Area Code)/Fax Number (432) 686-8081 / (000)	Lab Location STL Austin	
City Hill	State TX	Zip Code 79701	
Project Number/Name 73 E Hobbs Jet Remediation	Site Contact Greg Pope		
Contract/Purchase Order/Quote Number INTRACT / PURCHASE ORDER # : 3373HAX007	Carrier/Waybill Number		

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Type	No.	Preservative	Condition on Receipt/Comments	Analysis
MW-21	7-21-04	1530	WATER	1L	ANDER	3.2	None	QC/PT/7-23-04	
MW-21		1550	WATER	400L	VIAL	4	1.1 HCL	See COCA Add	
MW-21		1550	WATER	2500L	PLASTIC	1	None		
MW-16		1620	WATER	1L	ANDER	2	None		
MW-16		1620	WATER	400L	VIAL	4	1.1 HCL		
MW-16		1620	WATER	2500L	PLASTIC	1	None		
MW-20		1650	WATER	1L	ANDER	2	None		
MW-20		1650	WATER	400L	VIAL	4	1.1 HCL		
MW-20		1650	WATER	2500L	PLASTIC	1	None		
MTW-1		1730	WATER	1L	ANDER	2	None		
MTW-1		1730	WATER	400L	VIAL	4	1.1 HCL		
MTW-1		1730	WATER	2500L	PLASTIC	1	None		
TRIP BLANK	7-21-04	1510	WATER	400L	VIAL	4	1.1 HCL		
TRIP BLANK	7-22-04	1510	WATER	400L	VIAL	4	1.1 HCL		
TRIP BLANK			WATER	2500L	PLASTIC	1	None		

Special Instructions: TYPH-680 & DR0, 8021 BTEX, & Chloride for waters; GC fingerprint for product samples

Sample 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)
Normal ☐ Rush ☐ Other ☐	OC Legal ☒ I. ☐ II. ☐ III. ☐	
Relinquished By Bridgette Jenkins	Date 7/15/04	Time 1315
Relinquished By [Signature]	Date 7/22/04	Time 1515
Relinquished By	Date	Time
Relinquished By	Date	Time
Relinquished By	Date	Time

Comments

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

146230278
CHAIN OF CUSTODY NUMBER
98011364-006

STL
SEVERN
TRENT

Severn Trent Laboratories, Inc.

38035

A149 (1202)

Page 6 of 6

Date	07/13/2004
Lab Location	STL Austria

Analysis

State	TX	Zip Code	79701
-------	----	----------	-------

Carrier/Waybill Number

Project Number/Name:

1/3 K Hobbs Jct Remediation
Contract/Purchase Order/Quote Number

INVOICE / PURCHASE ORDER # : 3373MAX007

1055 : 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Containers		Preservative	Condition on Receipt/Comments
				Volume	Type No.		
UPL BLANK-1							
WJ-19	7-22-04	1115	WATER	1 L	AMBER 2	NONE	YR/PF 7-23-04
WJ-19		1115		40mL	VIAL 4	HCl	X
WJ-19		1115		250mL	PLASTIC 1	NONE	X
WJ-19		1145		1 L	AMBER 2	RNONE	X
WJ-19		1145		40mL	VIAL 4	HCl	XX
WJ-18		1145		250mL	PLASTIC 1	NONE	X
WJ-18		1340		1 L	AMBER 2	NONE	X
WJ-18		1340		40mL	VIAL 4	HCl	XX
WJ-18		1410		250mL	PLASTIC 1	NONE	X
WJ-4		1410		1 L	AMBER 2	NONE	X
WJ-4		1410		40mL	VIAL 4	HCl	XX
WJ-4		1410		250mL	PLASTIC 1	NONE	X
BLANK-3	7-22-04	1540	WATER	40mL	VIAL 2	HCl	XX

Special Instructions

(A fee may be assessed if samples are retained longer than 3 months)

☒ Disposal By Lab ☐ Archive For _____ Months

Project Specific Requirements (Specify)

Sample Disposal	
☐ Return To Client	☐ Unknown
☐ Skin Irritant	☐ Poison B
☐ Flammable	☐ Non-Hazard
☐ Corrosive	☐ Other

Project Specific Requirements (Specify)

☐ Rush ☐ Other ☐ Normal	☐ I. ☐ II. ☐ III.	Relinquished By <i>Budd J. Smith</i>	Date 7/15/04	Time 1315	1. Received By <i>[Signature]</i>	Date 7-16-04	Time 1030
Relinquished By <i>[Signature]</i>		Date 7-22-04	Time 1545	2. Received By <i>[Signature]</i>	Date 7-23-01	Time 0930	
Relinquished By <i>[Signature]</i>		Date [Blank]	Time [Blank]	3. Received By <i>[Signature]</i>	Date [Blank]	Time [Blank]	

moments

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

Chain of Custody
Record

CHAIN OF CUSTODY NUMBER:
#0011364-003

SEVERN
TRENT

Severn Trent Laboratories, Inc.

38032

L4149 (1202)

Client Lin Technologies		Project Manager Greg Pope		Date 07/13/2004	Page 1 of 1
Address 93 W Industrial Ave		Telephone Number (Area Code)/Fax Number (432) 686-8001 / (000)		Lab Location STL Austin	
City Grand	State TX	Zip Code 79701	Analysis		
Object Number/Name 73 E Hobbs Jet Remediation		Carrier/Waybill Number Greg Pope			
Intrad/Purchase Order/Quote Number HYDRAC / PURCHASE ORDER # : 3373MAY007		QUOTE: 55401			

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers Type	No.	Preservative	Condition on Receipt/Comments	Analysis
MTW-2	7-22-04	900	WATER	1L	AMBER	2	None	3°C/15/7-23-04	GPTR
MTW-2	7-22-04	900	WATER	40mL	VIAL	4	1:1 HCL	See Lab Add	GPTR
MTW-2	7-22-04	900	WATER	250mL	PLASTIC	1	None		GPTR
MTW-3	7-22-04	930	WATER	1L	AMBER	2	None		GPTR
MTW-3	7-22-04	930	WATER	40mL	VIAL	4	1:1 HCL		GPTR
MTW-3	7-22-04	930	WATER	250mL	PLASTIC	1	None		GPTR
MTW-23	7-22-04	1000	WATER	1L	AMBER	2	None		GPTR
MTW-23	7-22-04	1000	WATER	40mL	VIAL	4	1:1 HCL		GPTR
MTW-23	7-22-04	1000	WATER	250mL	PLASTIC	1	None		GPTR
MTW-22	7-22-04	1020	WATER	1L	AMBER	2	None		GPTR
MTW-22	7-22-04	1020	WATER	40mL	VIAL	4	1:1 HCL		GPTR
MTW-22	7-22-04	1020	WATER	250mL	PLASTIC	1	None		GPTR
MTW-13	7-22-04	1050	WATER	1L	AMBER	2	None		GPTR
MTW-13	7-22-04	1050	WATER	40mL	VIAL	4	1:1 HCL		GPTR
MTW-13	7-22-04	1050	WATER	250mL	PLASTIC	1	None		GPTR
TRIP BLANK 2	7-22-04	1525	WATER	40mL	VIAL	2	HCL		GPTR

Special Instructions: TPH-CR0 & DR0, 8021 BTHI, & Chloride for waters; GC fingerprint for product samples

Sample Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
Non-Hazard	Flammable	Skin Irritant	Poison B	Unknown	Return To Client
Normal	Rush	Other	QC Level	Disposal By Lab	Archive For
Relinquished By	Relinquished By	Relinquished By	Relinquished By	Relinquished By	Relinquished By
7/15/04	7/22-04	7/15/04	7/22-04	7/16-04	7-23-04
1315	1530	1315	1530	1030	0930
Time	Time	Time	Time	Time	Time

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

**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

3373 E Hobbs Jct Remediation

Lot #: I4J280203

Greg Pope

**Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701**

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Carla Butler".

**Carla M. Butler
Project Manager**

November 29, 2004

**American Council of Independent Laboratories
International Association of Environmental Testing Laboratories**

Case Narrative**STL LOT NUMBER: I4J280203**

This report contains the analytical results for the 12 samples received under chain of custody by Severn Trent Laboratories (STL) on October 28, 2004. These samples are associated with your 3373 E Hobbs Jct 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

I4J280203

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-21 10/26/04 15:45 001				
Diesel Range Organics	0.090	0.048	mg/L	SW846 8015B
Chloride	907	100	mg/L	MCAWW 300.0A
MW-20 10/26/04 16:30 002				
Chloride	68.5	20.0	mg/L	MCAWW 300.0A
MW-16 10/26/04 17:00 003				
Diesel Range Organics	0.087	0.048	mg/L	SW846 8015B
Chloride	188	100	mg/L	MCAWW 300.0A
MW-24 10/27/04 09:30 004				
Diesel Range Organics	0.33	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.65	0.10	mg/L	SW846 8015B
Benzene	48	1.0	ug/L	SW846 8021B
Ethylbenzene	11	1.0	ug/L	SW846 8021B
Toluene	4.9	1.0	ug/L	SW846 8021B
Chloride	151	100	mg/L	MCAWW 300.0A
MW-25 10/27/04 10:00 005				
Diesel Range Organics	0.35	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.63	0.10	mg/L	SW846 8015B
Benzene	7.1	1.0	ug/L	SW846 8021B
Ethylbenzene	36	1.0	ug/L	SW846 8021B
Xylenes (total)	9.9	3.0	ug/L	SW846 8021B
Chloride	129	100	mg/L	MCAWW 300.0A
MW-23 10/27/04 11:00 006				
Chloride	55.5	20.0	mg/L	MCAWW 300.0A
MW-22 10/27/04 11:30 008				
Chloride	77.5	20.0	mg/L	MCAWW 300.0A
MW-13 10/27/04 11:45 009				
Chloride	59.7	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights**I4J280203**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-19 10/27/04 12:15 010				
Chloride	171	100	mg/L	MCAWW 300.0A

ANALYTICAL METHODS SUMMARY

I4J280203

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	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**I4J280203**

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Beth Driskill	008945
SW846 8015B	Scott Leslie	401008
SW846 8021B	Beth Driskill	008945
SW846 8021B	Joe Lanham	000039

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**I4J280203**

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GVN72	001	MW-21	10/26/04	15:45
GVN8L	002	MW-20	10/26/04	16:30
GVN8Q	003	MW-16	10/26/04	17:00
GVN8W	004	MW-24	10/27/04	09:30
GVN82	005	MW-25	10/27/04	10:00
GVN83	006	MW-23	10/27/04	11:00
GVN84	007	TRIP BLANK 2	10/27/04	15:15
GVN89	008	MW-22	10/27/04	11:30
GVN9C	009	MW-13	10/27/04	11:45
GVN9D	010	MW-19	10/27/04	12:15
GVN9E	011	TRIP BLANK 1	10/27/04	15:00
GVN9G	012	TRIP BLANK 3	10/27/04	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

I4J280203

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
002	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
003	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
004	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
005	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
006	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
007	WATER	SW846 8021B		4313272	
008	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
009	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242

(Continued on next page)

QC DATA ASSOCIATION SUMMARY**I4J280203****Sample Preparation and Analysis Control Numbers**

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
011	WATER	SW846 8015B		4310414	4310244
	WATER	SW846 8021B		4310412	4310242
012	WATER	SW846 8021B		4310412	4310242

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I4J280203-001 Work Order #....: GVN721AA Matrix.....: WATER
Date Sampled....: 10/26/04 15:45 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	112	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I4J280203-001 Work Order #....: GVN721AD Matrix.....: WATER
Date Sampled....: 10/26/04 15:45 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-21

GC Semivolatiles

Lot-Sample #....: I4J280203-001 Work Order #....: GVN721AC Matrix.....: WATER
Date Sampled....: 10/26/04 15:45 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.090	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	100	(41 - 143)
Dotriacontane	57	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-21

General Chemistry

Lot-Sample #....: I4J280203-001

Work Order #....: GVN72

Matrix.....: WATER

Date Sampled....: 10/26/04 15:45

Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	907	100	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I4J280203-002 Work Order #....: GVN8L1AA Matrix.....: WATER
Date Sampled....: 10/26/04 16:30 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	113	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I4J280203-002 Work Order #....: GVN8L1AD Matrix.....: WATER
Date Sampled....: 10/26/04 16:30 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-20

GC Semivolatiles

Lot-Sample #....: I4J280203-002 Work Order #....: GVNSL1AC Matrix.....: WATER
Date Sampled....: 10/26/04 16:30 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	95	(41 - 143)
Dotriacontane	55	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-20

General Chemistry

Lot-Sample #...: I4J280203-002

Work Order #...: GVN6L

Matrix.....: WATER

Date Sampled...: 10/26/04 16:30

Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	68.5	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I4J280203-003 Work Order #....: GVN8Q1AA Matrix.....: WATER
Date Sampled....: 10/26/04 17:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	115	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I4J280203-003 Work Order #....: GVN8Q1AD Matrix.....: WATER
Date Sampled....: 10/26/04 17:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-16

GC Semivolatiles

Lot-Sample #...: I4J280203-003 Work Order #...: GVN8Q1AC Matrix.....: WATER
Date Sampled...: 10/26/04 17:00 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.087	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	101	(41 - 143)
Dotriacontane	56	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-16

General Chemistry

Lot-Sample #....: I4J280203-003 Work Order #....: GVN8Q
Date Sampled....: 10/26/04 17:00 Date Received...: 10/28/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	188	100	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #...: I4J280203-004 Work Order #...: GVN8W1AA Matrix.....: WATER
Date Sampled...: 10/27/04 09:30 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #...: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.65	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	115	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #....: I4J280203-004 Work Order #....: GVN8W1AD Matrix.....: WATER
Date Sampled....: 10/27/04 09:30 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	48	1.0	ug/L
Ethylbenzene	11	1.0	ug/L
Toluene	4.9	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	132	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-24

GC Semivolatiles

Lot-Sample #...: I4J280203-004 Work Order #...: GVN8W1AC Matrix.....: WATER
Date Sampled...: 10/27/04 09:30 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.33	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	106	(41 - 143)
Dotriacontane	57	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-24

General Chemistry

Lot-Sample #...: I4J280203-004 Work Order #...: GVN8W Matrix.....: WATER
Date Sampled...: 10/27/04 09:30 Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	151	100	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #....: I4J280203-005 Work Order #....: GVN821AA Matrix.....: WATER
Date Sampled....: 10/27/04 10:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.63	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	117	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #....: I4J280203-005 Work Order #....: GVN821AD Matrix.....: WATER
Date Sampled....: 10/27/04 10:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	7.1	1.0	ug/L
Ethylbenzene	36	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	9.9	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	132	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-25

GC Semivolatiles

Lot-Sample #....: I4J280203-005 Work Order #....: GVN821AC Matrix.....: WATER
Date Sampled....: 10/27/04 10:00 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.35	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	113	(41 - 143)
Dotriacontane	65	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-25

General Chemistry

Lot-Sample #...: I4J280203-005

Work Order #...: GVN82

Matrix.....: WATER

Date Sampled...: 10/27/04 10:00

Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	129	100	mg/L	MCAW 300.0A	11/11/04	4316438

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #....: I4J280203-006 Work Order #....: GVN831AA Matrix.....: WATER
Date Sampled....: 10/27/04 11:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	113	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #...: I4J280203-006 Work Order #...: GVN831AD Matrix.....: WATER
Date Sampled...: 10/27/04 11:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #...: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-23

GC Semivolatiles

Lot-Sample #...: I4J280203-006 Work Order #...: GVN831AC Matrix.....: WATER
Date Sampled...: 10/27/04 11:00 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	98	(41 - 143)
Dotriacontane	55	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-23

General Chemistry

Lot-Sample #...: I4J280203-006

Work Order #...: GVN83

Matrix.....: WATER

Date Sampled...: 10/27/04 11:00

Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	55.5	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I4J280203-007 Work Order #....: GVN841AA Matrix.....: WATER
Date Sampled....: 10/27/04 15:15 Date Received...: 10/28/04
Prep Date.....: 11/05/04 Analysis Date...: 11/05/04
Prep Batch #....: 4313272
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I4J280203-008 Work Order #....: GVN891AA Matrix.....: WATER
Date Sampled....: 10/27/04 11:30 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	112	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I4J280203-008 Work Order #....: GVN891AD Matrix.....: WATER
Date Sampled....: 10/27/04 11:30 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-22

GC Semivolatiles

Lot-Sample #.... I4J280203-008 Work Order #.... GVN891AC Matrix.....: WATER
Date Sampled.... 10/27/04 11:30 Date Received... 10/28/04
Prep Date..... 11/02/04 Analysis Date... 11/20/04
Prep Batch #.... 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	100	(41 - 143)
Dotriacontane	60	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-22

General Chemistry

Lot-Sample #....: I4J280203-008 Work Order #....: GVN89
Date Sampled....: 10/27/04 11:30 Date Received...: 10/28/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	77.5	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I4J280203-009 Work Order #....: GVN9C1AA Matrix.....: WATER
Date Sampled....: 10/27/04 11:45 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	114	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I4J280203-009 Work Order #....: GVN9C1AD Matrix.....: WATER
Date Sampled....: 10/27/04 11:45 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...: I4J280203-009 Work Order #...: GVN9C1AC Matrix.....: WATER
Date Sampled...: 10/27/04 11:45 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	95	(41 - 143)
Dotriacontane	51	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I4J280203-009

Work Order #...: GVN9C

Matrix.....: WATER

Date Sampled...: 10/27/04 11:45

Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	59.7	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I4J280203-010 Work Order #....: GVN9D1AA Matrix.....: WATER
Date Sampled....: 10/27/04 12:15 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	112	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I4J280203-010 Work Order #....: GVN9D1AD Matrix.....: WATER
Date Sampled....: 10/27/04 12:15 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-19

GC Semivolatiles

Lot-Sample #...: I4J280203-010 Work Order #...: GVN9D1AC Matrix.....: WATER
Date Sampled...: 10/27/04 12:15 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	83	(41 - 143)
Dotriacontane	46	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-19

General Chemistry

Lot-Sample #....: I4J280203-010 Work Order #....: GVN9D
Date Sampled....: 10/27/04 12:15 Date Received...: 10/28/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	171	100	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 100

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4J280203-011 Work Order #....: GVN9E1AC Matrix.....: WATER
Date Sampled....: 10/27/04 15:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	111	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4J280203-011 Work Order #....: GVN9E1AA Matrix.....: WATER
Date Sampled....: 10/27/04 15:00 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #....: I4J280203-012 Work Order #....: GVN9G1AA Matrix.....: WATER
Date Sampled....: 10/27/04 15:45 Date Received...: 10/28/04
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310412
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4J280203
MB Lot-Sample #: I4K050000-414

Work Order #...: GWCTL1AA

Matrix.....: WATER

Analysis Date...: 11/04/04
Dilution Factor: 1

Prep Date.....: 11/04/04
Prep Batch #...: 4310414

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	111	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4J280203
MB Lot-Sample #: I4K050000-412

Work Order #...: GWCR41AA

Matrix.....: WATER

Analysis Date...: 11/04/04
Dilution Factor: 1

Prep Date.....: 11/04/04
Prep Batch #...: 4310412

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(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 Volatiles

Client Lot #...: I4J280203
MB Lot-Sample #: I4K080000-272

Work Order #....: GWF761AA

Matrix.....: WATER

Analysis Date...: 11/05/04
Dilution Factor: 1

Prep Date.....: 11/05/04

Prep Batch #....: 4313272

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(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

GC Semivolatiles

Client Lot #...: I4J280203
MB Lot-Sample #: I4K030000-074

Work Order #...: GV4L91AA

Matrix.....: WATER

Analysis Date...: 11/20/04
Dilution Factor: 1

Prep Date.....: 11/02/04

Prep Batch #...: 4308074

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	95	(41 - 143)
Dotriacontane	54	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I4J280203

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Chloride	ND	Work Order #: GWRAN1AA		MB Lot-Sample #:	I4K110000-438	
		1.0	mg/L	MCAWW 300.0A	11/11/04	4316438
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4J280203 Work Order #....: GWCTL1AC Matrix.....: WATER
LCS Lot-Sample#: I4K050000-414
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #....: 4310414 Analysis Time...: 10:30
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	106	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	116	(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 #...: I4J280203 Work Order #...: GWCR41AC Matrix.....: WATER
LCS Lot-Sample#: I4K050000-412
Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
Prep Batch #...: 4310412 Analysis Time...: 09:19
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	98	(85 - 115)	SW846 8021B
Ethylbenzene	98	(85 - 115)	SW846 8021B
Toluene	101	(85 - 115)	SW846 8021B
Xylenes (total)	99	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	100	(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 #....: I4J280203 Work Order #....: GWF761AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4K080000-272 GWF761AD-LCSD
 Prep Date.....: 11/05/04 Analysis Date...: 11/05/04
 Prep Batch #....: 4313272 Analysis Time...: 10:25
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	94	(85 - 115)			SW846 8021B
	94	(85 - 115)	0.090	(0-20)	SW846 8021B
Ethylbenzene	94	(85 - 115)			SW846 8021B
	95	(85 - 115)	1.0	(0-20)	SW846 8021B
Toluene	96	(85 - 115)			SW846 8021B
	97	(85 - 115)	1.1	(0-20)	SW846 8021B
Xylenes (total)	95	(85 - 115)			SW846 8021B
	97	(85 - 115)	1.3	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(85 - 111)
	100	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	100	(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 Semivolatiles

Client Lot #...: I4J280203 Work Order #...: GV4L91AC Matrix.....: WATER
LCS Lot-Sample#: I4K030000-074
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	98	(44 - 151)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	121	(41 - 143)
Dotriacontane	58	(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 #...: I4J280203

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	94	Work Order #: GWRANLAC LCS Lot-Sample#: I4K110000-438 (90 - 110)	MCAW 300.0A	11/11/04	4316438
		Dilution Factor: 1			

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4J280203 Work Order #....: GVPAE1AF-MS Matrix.....: WATER
 MS Lot-Sample #: I4J280208-002 GVPAE1AG-MSD
 Date Sampled...: 10/26/04 09:50 Date Received...: 10/28/04 08:00
 Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
 Prep Batch #....: 4310414 Analysis Time...: 23:42
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	106	(79 - 124)			SW846 8015B
	97	(79 - 124)	9.0	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	115	(75 - 122)
	114	(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 #...: I4J280203 Work Order #...: GVN9W1AH-MS Matrix.....: WATER
 MS Lot-Sample #: I4J280208-001 GVN9W1AJ-MSD
 Date Sampled...: 10/26/04 09:00 Date Received...: 10/28/04 08:00
 Prep Date.....: 11/04/04 Analysis Date...: 11/04/04
 Prep Batch #...: 4310412 Analysis Time...: 22:47
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	102	(85 - 115)			SW846 8021B
	89	(85 - 115)	2.7	(0-20)	SW846 8021B
Ethylbenzene	105	(85 - 115)			SW846 8021B
	107	(85 - 115)	2.2	(0-20)	SW846 8021B
Toluene	107	(85 - 115)			SW846 8021B
	108	(85 - 115)	1.3	(0-20)	SW846 8021B
Xylenes (total)	108	(85 - 115)			SW846 8021B
	110	(85 - 115)	2.0	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(81 - 119)
	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	109	(73 - 135)
	108	(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 #....: I4J280203 Work Order #....: GVN721AF-MS Matrix.....: WATER
MS Lot-Sample #: I4J280203-001 GVN721AG-MSD
Date Sampled....: 10/26/04 15:45 Date Received...: 10/28/04
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #....: 4308074
Dilution Factor: 0.95

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	88	(44 - 151)			SW846 8015B
	90	(44 - 151)	2.4	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	117	(41 - 143)
	118	(41 - 143)
Dotriacontane	56	(12 - 153)
	58	(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

General Chemistry

Client Lot #....: I4J280203

Matrix.....: WATER

Date Sampled...: 10/26/04 16:30 Date Received...: 10/28/04

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY LIMITS	RPD LIMITS	ANALYSIS DATE	BATCH #
Chloride		WO#: GVN8L1AF-MS/GVN8L1AG-MSD	MS Lot-Sample #: I4J280203-002	
	97 (90 - 110)		11/11/04	4316438
	94 (90 - 110)	1.8 (0-20)	11/11/04	4316438
		Dilution Factor: 20		

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

RECEIVED BY: [Signature]

Lot No: I4J280203

DATE/TIME RECEIVED: 10-28-04 0800

COC NUMBER: _____

UNPACKED DATE/TIME: 10-29-04 1000

QUOTE/PROFILE: 55401

CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: _____

LOG-IN REVIEWED: _____

Number of Shipping Containers Received
with Chain of Custody 3

2T

Bj

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: CV

IR THERMOMETER #: P5

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
32	32	32	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: CV

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: CL

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:

6x100ml☒ YES ☐ NO☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

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: 11-18-04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

STL4149 (12/02)

I4J28083

CHAIN OF CUSTODY NUMBER
\$0011859-001

SEVERN
TRENT

Severn Trent Laboratories, Inc.

40650

Client		Project Manager		Date		Page 1 of 1	
Maxin Technologies		Greg Pope		10/13/2004			
Address		Telephone Number (Area Code)/Fax Number		Lab Location			
1703 W Industrial Ave		(432) 686-8081 / (000)		STL Austin			
City		State		Zip Code			
Midland		TX		79701			
Project Number/Name		Site Contact		Carrier/Waybill Number			
3373 E Hobbs Jct Remediation		Greg Pope		FEDEx / 847303959644			
Contract/Purchase Order/Quote Number		QUOTE: 55401					

CONTRACT / PURCHASE ORDER # : 3373MAX008

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers Type	No.	Preservative	Condition on Receipt/Comments	Analysis
MW-21	10-26-04	1545	WATER	1L	AMBER	3	None	52 10-28-04CL	GT Y I
MW-21	10-26-04	1545	WATER	400L	VIAL	4	1:1 HCL	SEE RDP	CP P C
MW-21	10-26-04	1545	WATER	2500L	PLASTIC	1	None		8 H H C
MW-20	10-26-04	1630	WATER	1L	AMBER	2	None		0 V S L
MW-20	10-26-04	1630	WATER	400L	VIAL	4	1:1 HCL		2 1 1 1
MW-20	10-26-04	1630	WATER	2500L	PLASTIC	1	None		1 1 1 1
MW-16	10-26-04	1700	WATER	1L	AMBER	2	None		1 1 1 1
MW-16	10-26-04	1700	WATER	400L	VIAL	4	1:1 HCL		1 1 1 1
MW-16	10-26-04	1700	WATER	2500L	PLASTIC	1	None		1 1 1 1
TRIP BLANK 1	10-27-04	1500	WATER	400L	VIAL	4	1:1 HCL		GT Y I
Special Instructions: TPE-GR0 & DR0, 8021 BTH, & Chloride for waters									

Possible Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
☒ Non-Hazard	☐ Flammable	☐ Return To Client	☒ Disposal By Lab	☐ Archive For	(A fee may be assessed if samples are retained longer than 3 months)
☐ Turn Around Time Required	☐ Skin Irritant	☐ Unknown	☐ Months		
☒ Normal	☐ Other	QC Level			
1. Relinquished By	Date	Time	1. Received By	Date	Time
10-27-04	1500	10-27-04	10-27-04	10-27-04	1030
2. Relinquished By	Date	Time	2. Received By	Date	Time
10-27-04	1510	10-27-04	10-27-04	10-27-04	0800
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

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
90011859-003

SEVERN
TRENT

Severn Trent Laboratories, Inc.

40652

STL4149 (1202)

Client Maxim Technologies Address 1703 W Industrial Ave City Midland State TX Zip Code 79701		Project Manager Greg Pope Telephone Number (Area Code)/Fax Number (432) 686-8081 / (000)	Date 10/13/2004 Lab Location STL Austin	Page 1 of 4
Project Number/Name 3373 E Hobbs Jct Remediation Contract/Purchase Order/Quote Number		Site Contact Greg Pope Carrier/Waybill Number Fedex / 847303959611		

CONTRACT / PURCHASE ORDER # : 3373HAI008

QUOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Containers		No.	Preservative	Condition on Receipt/Comments	I	R
				Volume	Type					
MW-22	10-27-04	1130	WATER	1L	AMBER	2	None	32 10-28-04	Y	
MW-22		1130	WATER	400L	VIAL	4	1.1 HCL	1-100mL Broken	Y	
MW-22		1130	WATER	250mL	PLASTIC	1	None		Y	
MW-13		1145	WATER	1L	AMBER	2	None		Y	
MW-13		1145	WATER	400L	VIAL	4	1.1 HCL	1-100mL Broken	Y	
MW-13		1145	WATER	250mL	PLASTIC	1	None		Y	
MW-19		1215	WATER	1L	AMBER	2	None		Y	
MW-19		1215	WATER	400L	VIAL	4	1.1 HCL		Y	
MW-19		1215	WATER	250mL	PLASTIC	1	None		Y	
MW-19	10-27-04	1215	WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	
			WATER	250mL	PLASTIC	1	None		Y	
			WATER	1L	AMBER	2	None		Y	
			WATER	400L	VIAL	4	1.1 HCL		Y	

**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

3373 E Hobbs Jct Remediation

Lot #: I4J290252

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Carla Butler".

Carla M. Butler
Project Manager

November 29, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: I4J290252

This report contains the analytical results for the eight samples received under chain of custody by Severn Trent Laboratories (STL) on October 29, 2004. These samples are associated with your 3373 E Hobbs Jct 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

I4J290252

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-14 10/28/04 10:45 001				
Benzene	2.4	1.0	ug/L	SW846 8021B
Chloride	91.7	20.0	mg/L	MCAWW 300.0A
SVE-10 10/28/04 11:20 003				
Diesel Range Organics	1.2	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.40	0.10	mg/L	SW846 8015B
Benzene	24	1.0	ug/L	SW846 8021B
Ethylbenzene	10	1.0	ug/L	SW846 8021B
Toluene	1.5	1.0	ug/L	SW846 8021B
Xylenes (total)	7.8	3.0	ug/L	SW846 8021B
Chloride	243	50.0	mg/L	MCAWW 300.0A
MW-12 10/28/04 11:50 004				
Diesel Range Organics	0.52	0.048	mg/L	SW846 8015B
Gasoline Range Organics	14	1.0	mg/L	SW846 8015B
Benzene	3200	20	ug/L	SW846 8021B
Ethylbenzene	46	10	ug/L	SW846 8021B
Toluene	16	10	ug/L	SW846 8021B
Xylenes (total)	140	30	ug/L	SW846 8021B
Chloride	196	20.0	mg/L	MCAWW 300.0A
MW-4 10/28/04 09:00 005				
Diesel Range Organics	0.19	0.048	mg/L	SW846 8015B
Benzene	2.0	1.0	ug/L	SW846 8021B
Chloride	186	20.0	mg/L	MCAWW 300.0A
MW-5 10/28/04 09:30 006				
Diesel Range Organics	0.077	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.20	0.10	mg/L	SW846 8015B
Benzene	28	1.0	ug/L	SW846 8021B
Ethylbenzene	1.5	1.0	ug/L	SW846 8021B
Toluene	29	1.0	ug/L	SW846 8021B
Xylenes (total)	8.1	3.0	ug/L	SW846 8021B
Chloride	196	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights**I4J290252**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-18 10/28/04 10:15 007				
Diesel Range Organics	0.12	0.048	mg/L	SW846 8015B
Gasoline Range Organics	1.6	0.50	mg/L	SW846 8015B
Benzene	300	5.0	ug/L	SW846 8021B
Ethylbenzene	8.7	5.0	ug/L	SW846 8021B
Xylenes (total)	19	15	ug/L	SW846 8021B
Chloride	205	20.0	mg/L	MCAWW 300.0A

ANALYTICAL METHODS SUMMARY

I4J290252

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	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**I4J290252**

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Scott Leslie	401008
SW846 8015B	Todd Plybon	000059
SW846 8021B	Joe Lanham	000039
SW846 8021B	Todd Plybon	000059

References:

MCAWW	"Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
SW846	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY**I4J290252**

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GVT4G	001	MW-14	10/28/04	10:45
GVT4L	002	TRIP BLANK 2	10/28/04	11:00
GVT4M	003	SVE-10	10/28/04	11:20
GVT4Q	004	MW-12	10/28/04	11:50
GVVNJ	005	MW-4	10/28/04	09:00
GVPD	006	MW-5	10/28/04	09:30
GVPPE	007	MW-18	10/28/04	10:15
GVPJ	008	TRIP BLANK 1	10/28/04	15:30

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

I4J290252

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4316309	4316220
	WATER	SW846 8021B		4316345	4316224
002	WATER	SW846 8021B		4315212	
003	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4316309	4316220
	WATER	SW846 8021B		4316345	4316224
004	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4316309	4316220
	WATER	SW846 8021B		4316345	4316224
	WATER	SW846 8021B		4317350	4317233
005	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4316309	4316220
	WATER	SW846 8021B		4316345	4316224
006	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4316309	4316220
	WATER	SW846 8021B		4316345	4316224
007	WATER	MCAWW 300.0A		4316438	4316261
	WATER	SW846 8015B		4308074	4308066
	WATER	SW846 8015B		4316309	4316220
	WATER	SW846 8021B		4316345	4316224
008	WATER	SW846 8021B		4315212	

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I4J290252-001 Work Order #....: GVT4G1AA Matrix.....: WATER
Date Sampled....: 10/28/04 10:45 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316309
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	90	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I4J290252-001 Work Order #....: GVT4G1AD Matrix.....: WATER
Date Sampled....: 10/28/04 10:45 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316345
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	2.4	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #...: I4J290252-001 Work Order #...: GVT4G1AC Matrix.....: WATER
Date Sampled...: 10/28/04 10:45 Date Received...: 10/29/04
Prep Date.....: 11/02/04 Analysis Date...: 11/21/04
Prep Batch #...: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	100	(41 - 143)
Dotriacontane	57	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-14

General Chemistry

Lot-Sample #....: I4J290252-001 Work Order #....: GVT4G Matrix.....: WATER
Date Sampled....: 10/28/04 10:45 Date Received...: 10/29/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	91.7	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I4J290252-002 Work Order #....: GVT4L1AA Matrix.....: WATER
Date Sampled....: 10/28/04 11:00 Date Received...: 10/29/04
Prep Date.....: 11/09/04 Analysis Date...: 11/09/04
Prep Batch #....: 4315212
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I4J290252-003 Work Order #....: GVT4M1AA Matrix.....: WATER
Date Sampled....: 10/28/04 11:20 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316309
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.40	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	102	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I4J290252-003 Work Order #....: GVT4M1AD Matrix.....: WATER
Date Sampled...: 10/28/04 11:20 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316345
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	24	1.0	ug/L
Ethylbenzene	10	1.0	ug/L
Toluene	1.5	1.0	ug/L
Xylenes (total)	7.8	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	82	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	126	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: SVB-10

GC Semivolatiles

Lot-Sample #....: I4J290252-003 Work Order #....: GVT4M1AC Matrix.....: WATER
Date Sampled....: 10/28/04 11:20 Date Received...: 10/29/04
Prep Date.....: 11/02/04 Analysis Date...: 11/21/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	1.2	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	91	(41 - 143)
Dotriacontane	51	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: SVB-10

General Chemistry

Lot-Sample #....: I4J290252-003

Work Order #....: GVT4M

Matrix.....: WATER

Date Sampled....: 10/28/04 11:20

Date Received...: 10/29/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	243	50.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #...: I4J290252-004 Work Order #...: GVT4Q1AA Matrix.....: WATER
Date Sampled...: 10/28/04 11:50 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #...: 4316309
Dilution Factor: 10 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	88	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I4J290252-004 Work Order #....: GVT4Q1AD Matrix.....: WATER
Date Sampled....: 10/28/04 11:50 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316345
Dilution Factor: 10 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Ethylbenzene	46	10	ug/L
Toluene	16	10	ug/L
Xylenes (total)	140	30	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	92	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #...: I4J290252-004 Work Order #...: GVT4Q2AD Matrix.....: WATER
Date Sampled...: 10/28/04 11:50 Date Received...: 10/29/04
Prep Date.....: 11/11/04 Analysis Date...: 11/11/04
Prep Batch #...: 4317350
Dilution Factor: 20 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	3200	20	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #....: I4J290252-004 Work Order #....: GVT4Q1AC Matrix.....: WATER
Date Sampled....: 10/28/04 11:50 Date Received...: 10/29/04
Prep Date.....: 11/02/04 Analysis Date...: 11/21/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.52	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	98	(41 - 143)
Dotriacontane	56	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-12

General Chemistry

Lot-Sample #....: I4J290252-004 Work Order #....: GVT4Q Matrix.....: WATER
Date Sampled....: 10/28/04 11:50 Date Received...: 10/29/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	196	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #...: I4J290252-005 Work Order #...: GVVNJ1AA Matrix.....: WATER
Date Sampled...: 10/28/04 09:00 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #...: 4316309
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	88	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #.... I4J290252-005 Work Order #.... GVVNJ1AD Matrix.....: WATER
Date Sampled...: 10/28/04 09:00 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316345
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	2.0	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	97	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #....: I4J290252-005 Work Order #....: GVVNJ1AC Matrix.....: WATER
Date Sampled....: 10/28/04 09:00 Date Received...: 10/29/04
Prep Date.....: 11/02/04 Analysis Date...: 11/21/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.19	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	101	(41 - 143)
Dotriacontane	60	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: I4J290252-005 Work Order #...: GVVNJ Matrix.....: WATER
Date Sampled...: 10/28/04 09:00 Date Received...: 10/29/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	186	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: I4J290252-006 Work Order #....: GVVPD1AA Matrix.....: WATER
Date Sampled....: 10/28/04 09:30 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316309
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.20	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	90	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #...: I4J290252-006 Work Order #...: GVVPD1AD Matrix.....: WATER
Date Sampled...: 10/28/04 09:30 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #...: 4316345
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	28	1.0	ug/L
Ethylbenzene	1.5	1.0	ug/L
Toluene	29	1.0	ug/L
Xylenes (total)	8.1	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-5

GC Semivolatiles

Lot-Sample #....: I4J290252-006 Work Order #....: GVVPD1AC Matrix.....: WATER
Date Sampled....: 10/28/04 09:30 Date Received...: 10/29/04
Prep Date.....: 11/02/04 Analysis Date...: 11/21/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.077	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	95	(41 - 143)
Dotriacontane	64	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: I4J290252-006 Work Order #...: GVVPD Matrix.....: WATER
Date Sampled...: 10/28/04 09:30 Date Received...: 10/29/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	196	20.0	mg/L	MCAWW 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4J290252-007 Work Order #....: GVVPE1AA Matrix.....: WATER
Date Sampled....: 10/28/04 10:15 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316309
Dilution Factor: 5 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	1.6	0.50	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I4J290252-007 Work Order #....: GVVPE1AD Matrix.....: WATER
Date Sampled....: 10/28/04 10:15 Date Received...: 10/29/04
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #....: 4316345
Dilution Factor: 5 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	300	5.0	ug/L
Ethylbenzene	8.7	5.0	ug/L
Toluene	ND	5.0	ug/L
Xylenes (total)	19	15	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #....: I4J290252-007 Work Order #....: GVVPE1AC Matrix.....: WATER
Date Sampled....: 10/28/04 10:15 Date Received...: 10/29/04
Prep Date.....: 11/02/04 Analysis Date...: 11/21/04
Prep Batch #....: 4308074
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.12	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	108	(41 - 143)
Dotriacontane	62	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: MW-18

General Chemistry

Lot-Sample #....: I4J290252-007 Work Order #....: GVVPE Matrix.....: WATER
Date Sampled....: 10/28/04 10:15 Date Received...: 10/29/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	205	20.0	mg/L	MCAWN 300.0A	11/11/04	4316438

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I4J290252-008 Work Order #....: GVV PJ1AA Matrix.....: WATER
Date Sampled....: 10/28/04 15:30 Date Received...: 10/29/04
Prep Date.....: 11/09/04 Analysis Date...: 11/09/04
Prep Batch #....: 4315212
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4J290252
MB Lot-Sample #: I4K110000-309

Work Order #...: GWQNN1AA

Matrix.....: WATER

Analysis Date...: 11/10/04
Dilution Factor: 1

Prep Date.....: 11/10/04
Prep Batch #...: 4316309

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	90	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4J290252
MB Lot-Sample #: I4K100000-212

Work Order #...: GWLM61AA

Matrix.....: WATER

Analysis Date...: 11/09/04
Dilution Factor: 1

Prep Date.....: 11/09/04

Prep Batch #...: 4315212

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4J290252
MB Lot-Sample #: I4K110000-345

Work Order #....: GWQTG1AA

Matrix.....: WATER

Analysis Date...: 11/10/04
Dilution Factor: 1

Prep Date.....: 11/10/04
Prep Batch #....: 4316345

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	99	(73 - 135)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4J290252
MB Lot-Sample #: I4K120000-350

Work Order #...: GWEN1AA

Matrix.....: WATER

Analysis Date...: 11/11/04
Dilution Factor: 1

Prep Date.....: 11/11/04

Prep Batch #...: 4317350

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	1.0	ug/L	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	99	(73 - 135)

NOTE (S) :

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I4J290252
MB Lot-Sample #: I4K030000-074

Work Order #...: GV4L91AA

Matrix.....: WATER

Analysis Date...: 11/20/04
Dilution Factor: 1

Prep Date.....: 11/02/04
Prep Batch #...: 4308074

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	95	(41 - 143)
Dotriacontane	54	(12 - 153)

NOTE(S) :

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

METHOD BLANK REPORT

General Chemistry

Client Lot #....: I4J290252

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Chloride	ND	Work Order #: GWRAN1AA		MB Lot-Sample #:	I4K110000-438	
		1.0	mg/L	MCAWW 300.0A	11/11/04	4316438
		Dilution Factor: 1				

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4J290252 Work Order #...: GWQNN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I4K110000-309 GWQNN1AD-LCSD
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #...: 4316309 Analysis Time...: 00:00
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	90	(85 - 115)			SW846 8015B
	95	(85 - 115)	5.4	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	103	(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 #....: I4J290252 Work Order #....: GWLM61AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4K100000-212 GWLM61AD-LCSD
 Prep Date.....: 11/09/04 Analysis Date...: 11/09/04
 Prep Batch #....: 4315212 Analysis Time...: 09:10
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	92	(85 - 115)			SW846 8021B
	97	(85 - 115)	4.9	(0-20)	SW846 8021B
Ethylbenzene	94	(85 - 115)			SW846 8021B
	98	(85 - 115)	4.7	(0-20)	SW846 8021B
Toluene	92	(85 - 115)			SW846 8021B
	97	(85 - 115)	5.1	(0-20)	SW846 8021B
Xylenes (total)	99	(85 - 115)			SW846 8021B
	103	(85 - 115)	4.4	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(85 - 111)
	99	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	100	(84 - 114)
	100	(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 #....: I4J290252 Work Order #....: GWQTG1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4K110000-345 GWQTG1AD-LCSD
 Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
 Prep Batch #....: 4316345 Analysis Time...: 10:08
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	96	(85 - 115)			SW846 8021B
	97	(85 - 115)	0.80	(0-20)	SW846 8021B
Ethylbenzene	96	(85 - 115)			SW846 8021B
	98	(85 - 115)	1.6	(0-20)	SW846 8021B
Toluene	96	(85 - 115)			SW846 8021B
	96	(85 - 115)	0.46	(0-20)	SW846 8021B
Xylenes (total)	101	(85 - 115)			SW846 8021B
	103	(85 - 115)	1.4	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(85 - 111)
	100	(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 #...: I4J290252 Work Order #...: GWWEN1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4K120000-350 GWWEN1AD-LCSD
 Prep Date.....: 11/11/04 Analysis Date...: 11/11/04
 Prep Batch #...: 4317350 Analysis Time...: 10:22
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	92	(85 - 115)			SW846 8021B
	85	(85 - 115)	7.5	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(85 - 111)
	98	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	99	(84 - 114)
	98	(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 #...: I4J290252 Work Order #...: GV4L91AC Matrix.....: WATER
LCS Lot-Sample#: I4K030000-074
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074 Analysis Time...: 15:53
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	98	(44 - 151)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	121	(41 - 143)
Dotriacontane	58	(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 #...: I4J290252

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	94	Work Order #: GWRAN1AC LCS Lot-Sample#: I4K110000-438 (90 - 110)	MCAWW 300.0A	11/11/04	4316438
		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 #...: I4J290252 Work Order #...: GVT4M1AF-MS Matrix.....: WATER
MS Lot-Sample #: I4J290252-003 GVT4M1AG-MSD
Date Sampled...: 10/28/04 11:20 Date Received...: 10/29/04 08:20
Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
Prep Batch #...: 4316309 Analysis Time...: 00:00
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	95	(79 - 124)			SW846 8015B
	95	(79 - 124)	0.57	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	111	(75 - 122)
	111	(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 #....: I4J290252 Work Order #....: GVT4G1AH-MS Matrix.....: WATER
 MS Lot-Sample #: I4J290252-001 GVT4G1AJ-MSD
 Date Sampled....: 10/28/04 10:45 Date Received...: 10/29/04 08:20
 Prep Date.....: 11/10/04 Analysis Date...: 11/10/04
 Prep Batch #....: 4316345 Analysis Time...: 21:14
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	57 a	(85 - 115)			SW846 8021B
	92 p	(85 - 115)	40	(0-20)	SW846 8021B
Ethylbenzene	56 a	(85 - 115)			SW846 8021B
	93 p	(85 - 115)	50	(0-20)	SW846 8021B
Toluene	55 a	(85 - 115)			SW846 8021B
	92 p	(85 - 115)	50	(0-20)	SW846 8021B
Xylenes (total)	55 a	(85 - 115)			SW846 8021B
	96 p	(85 - 115)	53	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(81 - 119)
	98	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	106	(73 - 135)
	105	(73 - 135)

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.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I4J290252 Work Order #...: GVN721AF-MS Matrix.....: WATER
MS Lot-Sample #: I4J280203-001 GVN721AG-MSD
Date Sampled...: 10/26/04 15:45 Date Received...: 10/28/04 08:00
Prep Date.....: 11/02/04 Analysis Date...: 11/20/04
Prep Batch #...: 4308074 Analysis Time...: 17:14
Dilution Factor: 0.95

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	88	(44 - 151)			SW846 8015B
	90	(44 - 151)	2.4	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	117	(41 - 143)
	118	(41 - 143)
Dotriacontane	56	(12 - 153)
	58	(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

General Chemistry

Client Lot #...: I4J290252

Matrix.....: WATER

Date Sampled...: 10/26/04 16:30 Date Received...: 10/28/04 08:00

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY LIMITS	RPD LIMITS	ANALYSIS DATE	BATCH #
Chloride		WO#: GVN8L1AF-MS/GVN8L1AG-MSD	MS Lot-Sample #:	I4J280203-002
	97 (90 - 110)		11/11/04	4316438
	94 (90 - 110)	1.8 (0-20)	11/11/04	4316438
		Dilution Factor: 20		
		Analysis Time...: 11:49		

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: I4J290252

RECEIVED BY: LT

COC NUMBER: _____

DATE/TIME RECEIVED: 10-29-04/0820

QUOTE/PROFILE: SS401

UNPACKED DATE/TIME: 10-29-04/1035

CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received
with Chain of Custody 2
BA LT
VOC AIR / FILTER SAMPLES ☐ YES ☐ NO **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 #:** P5

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	6°C	SC	6°C	SC	SC	SC	SC	SC	SC

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

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

PRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES **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: 21

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		Comments
Sample ID	Date/Time	Sample ID	Date/Time	

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 2x40ml not 4x40ml for TRIP BLANK 2 as on COC

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:

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

I4J290252

40653

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

94011859-004

SEVERN
TRENT
STL

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client		Project Manager		Date		Page 1 of 1	
Maxin Technologies		Greg Pope		10/13/2004			
Address		Telephone Number (Area Code)/Fax Number		Lab Location			
1703 W Industrial Ave		(432) 686-8081 / (000)		STL Austin			
City		Site Contact				Analysis	
Midland		Greg Pope					
Project Number/Name		Carrier/Waybill Number					
3373 E Hobbs Jet Remediation		FEDEX / 847303959622					
Contract/Purchase Order/Quote Number							
CONTRACT / PURCHASE ORDER # 3373NA1008							

QUOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers Type	No.	Preservative	Condition on Receipt/Comments
MW-14	10/28/04	1045	WATER	1L	AMBER	2	None	6 th / 21 / 10-29-04
MW-14		1045	WATER	40mL	VIAL	4	1:1 HCL	Good Se. Inc Adv
MW-14		1045	WATER	250mL	PLASTIC	1	None	
TRIP BLANK 2		1100	WATER	40mL	VIAL	4	1:1 HCL	
SVE-10		1120	WATER	1L	AMBER	2	None	
SVE-10		1120	WATER	40mL	VIAL	4	1:1 HCL	
SVE-10		1120	WATER	250mL	PLASTIC	1	None	
MW-12		1150	AG	1L	AMBER	2	None	
MW-12		1150	AG	40mL	VIAL	4	HCL	
MW-12	10/28/04	1150	AG	250mL	PLASTIC	1	None	

Special Instructions TPH-GRO & DRO, 8021 BPH, & Chloride for waters

Possible Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Return To Client	☐ Archive For
Turn Around Time Required		QC Level		(A fee may be assessed if samples are retained longer than 3 months)	
☒ Normal	☐ Rush	☒ I.	☐ II.	☐ III.	
1. Relinquished By		Date	Time	Date	
10/28/04		1500		10/16/04 1030	
2. Relinquished By		Date	Time	Date	
10/28/04		1550		10-29-04 0820	
3. Relinquished By		Date	Time	Date	

Comments

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

STL4149 (1202)

Client MAXIM TECHNOLOGIES	Project Manager GREG POPE	Date 10/28/04	Page 1 of 1
Address		Lab Location 2200 ...	Analysis
Telephone Number (Area Code)/Fax Number			

ADRESSES	1703	W. 1110 N 5TH AVE	437-686-8081	STC AUGUST	ANALYSIS
----------	------	-------------------	--------------	------------	----------

City	State	Zip Code	Site Contact
Albany	NY	12207	DAI

MIDLAND	X	13/01	OFFICE 106	Carroll Merrill Number
7404	X	13/01	OFFICE 106	

[illegible]

Contract/Purchase Order/Quote Number	Contract/Purchase Order/Quote Number
11-11111	11-11111

R.O.# 3373 MAX 008 QUOTE: 5340

[illegible][illegible]

900	1	40ML XOA .4	HCl	'Good'	XX
800	1				XX
700	1				XX
600	1				XX
500	1				XX
400	1				XX
300	1				XX
200	1				XX
100	1				XX
0	1				XX

[illegible][illegible][illegible][illegible]

Time	Temp	Pressure	Flow	Notes
10:00	25.0	101.3	1.0	Start of run
10:05	25.0	101.3	1.0	
10:10	25.0	101.3	1.0	
10:15	25.0	101.3	1.0	
10:20	25.0	101.3	1.0	
10:25	25.0	101.3	1.0	
10:30	25.0	101.3	1.0	
10:35	25.0	101.3	1.0	
10:40	25.0	101.3	1.0	
10:45	25.0	101.3	1.0	
10:50	25.0	101.3	1.0	
10:55	25.0	101.3	1.0	
11:00	25.0	101.3	1.0	
11:05	25.0	101.3	1.0	
11:10	25.0	101.3	1.0	
11:15	25.0	101.3	1.0	
11:20	25.0	101.3	1.0	
11:25	25.0	101.3	1.0	
11:30	25.0	101.3	1.0	
11:35	25.0	101.3	1.0	
11:40	25.0	101.3	1.0	
11:45	25.0	101.3	1.0	
11:50	25.0	101.3	1.0	
11:55	25.0	101.3	1.0	
12:00	25.0	101.3	1.0	
12:05	25.0	101.3	1.0	
12:10	25.0	101.3	1.0	
12:15	25.0	101.3	1.0	
12:20	25.0	101.3	1.0	
12:25	25.0	101.3	1.0	
12:30	25.0	101.3	1.0	
12:35	25.0	101.3	1.0	
12:40	25.0	101.3	1.0	
12:45	25.0	101.3	1.0	
12:50	25.0	101.3	1.0	
12:55	25.0	101.3	1.0	
13:00	25.0	101.3	1.0	
13:05	25.0	101.3	1.0	
13:10	25.0	101.3	1.0	
13:15	25.0	101.3	1.0	
13:20	25.0	101.3	1.0	
13:25	25.0	101.3	1.0	
13:30	25.0	101.3	1.0	
13:35	25.0	101.3	1.0	
13:40	25.0	101.3	1.0	
13:45	25.0	101.3	1.0	
13:50	25.0	101.3	1.0	
13:55	25.0	101.3	1.0	
14:00	25.0	101.3	1.0	
14:05	25.0	101.3	1.0	
14:10	25.0	101.3	1.0	
14:15	25.0	101.3	1.0	
14:20	25.0	101.3	1.0	
14:25	25.0	101.3	1.0	
14:30	25.0	101.3	1.0	
14:35	25.0	101.3	1.0	
14:40	25.0	101.3	1.0	
14:45	25.0	101.3	1.0	
14:50	25.0	101.3	1.0	
14:55	25.0	101.3	1.0	
15:00	25.0	101.3	1.0	
15:05	25.0	101.3	1.0	
15:10	25.0	101.3	1.0	
15:15	25.0	101.3	1.0	
15:20	25.0	101.3	1.0	
15:25	25.0	101.3	1.0	
15:30	25.0	101.3	1.0	
15:35	25.0	101.3	1.0	
15:40	25.0	101.3	1.0	
15:45	25.0	101.3	1.0	
15:50	25.0	101.3	1.0	
15:55	25.0	101.3	1.0	
16:00	25.0	101.3	1.0	
16:05	25.0	101.3	1.0	
16:10	25.0	101.3	1.0	
16:15	25.0	101.3	1.0	
1				

[illegible][illegible][illegible][illegible][illegible][illegible]

TPM-ERR 8031 BYEX - CHLORIDE FOR WATERS
Special Instructions

Possible Hazard Identification	Sample Disposal	—	(A fee may be assessed if samples are
--------------------------------	-----------------	---	---------------------------------------

☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Unknown	☐ Return To Client	☒ * Dispose By Lab	Archive For _____ Months	retained longer than 3 months)
Project Specific Requirements (Specific)				Project Specific Requirements (Specific)			
GC Level 1				GC Level 1			

Turn Around Time Required	Other	Print	Print	PC Laser	Region Specific Requirements (Optional)
☐ Other ☐ Print ☒ Print ☒ PC Laser					

Date		Time	
1. Relinquished By	Date	1. Relinquished By	Date
1. Relinquished By	Date	1. Relinquished By	Date

	Date	Time
10/28/04	1545	2820
10/28/04	1545	2820

[illegible]

3. Relinquished By	Date	Time	3. Received By	Date	Time

[illegible]

Comments

DISSEMINATION: WHITE - Status with the Sample: CANARY - Returned to Client with Report: PINK - Field Copy

CONTRIBUTION: *Smith - Claydon and Company, Cambridge, Ontario*

100

**Certificate of Analysis**

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

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 1Q05

3373 E Hobbs Jct Remediation

Lot #: I5A280109

Greg Pope

Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Carla Butler".

Carla M. Butler
Project Manager

February 11, 2005

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative**STL LOT NUMBER: I5A280109**

This report contains the analytical results for the 23 samples received under chain of custody by Severn Trent Laboratories (STL) on January 28, 2005. These samples are associated with your 3373 E Hobbs Jct Remediation project.

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

Benzene is flagged with an E to indicate an estimated value because the result of 350 ug/L exceeded the calibration curve. Reanalysis at a 2X dilution was performed one day past the recommended hold time with a result of 310 ug/L.

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

ISA280109

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-21 01/26/05 08:30 001				
Chloride	659	100	mg/L	MCAWW 300.0A
MW-16 01/26/05 09:15 002				
Chloride	178	50.0	mg/L	MCAWW 300.0A
MW-20 01/26/05 09:45 003				
Chloride	76.0	20.0	mg/L	MCAWW 300.0A
MW-17 01/26/05 10:15 005				
Chloride	146	20.0	mg/L	MCAWW 300.0A
MW-25 01/26/05 10:45 006				
Diesel Range Organics	0.29	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.28	0.10	mg/L	SW846 8015B
Benzene	3.4	1.0	ug/L	SW846 8021B
Ethylbenzene	25	1.0	ug/L	SW846 8021B
Xylenes (total)	8.9	3.0	ug/L	SW846 8021B
Chloride	143	20.0	mg/L	MCAWW 300.0A
MW-24 01/26/05 11:15 007				
Diesel Range Organics	0.32	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.65	0.10	mg/L	SW846 8015B
Benzene	80	1.0	ug/L	SW846 8021B
Ethylbenzene	17	1.0	ug/L	SW846 8021B
Xylenes (total)	12	3.0	ug/L	SW846 8021B
Chloride	182	20.0	mg/L	MCAWW 300.0A
MW-23 01/26/05 11:35 008				
Chloride	64.8	20.0	mg/L	MCAWW 300.0A
MW-22 01/26/05 12:15 010				
Chloride	88.3	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

ISA280109

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-13 01/26/05 13:40 011				
Chloride	66.9	20.0	mg/L	MCAWW 300.0A
MW-19 01/26/05 13:55 012				
Chloride	187	20.0	mg/L	MCAWW 300.0A
MW-14 01/26/05 14:45 013				
Benzene	6.1	1.0	ug/L	SW846 8021B
Chloride	87.7	20.0	mg/L	MCAWW 300.0A
MW-18 01/26/05 15:15 015				
Diesel Range Organics	0.15	0.048	mg/L	SW846 8015B
Gasoline Range Organics	1.8	0.10	mg/L	SW846 8015B
Benzene	350 E	1.0	ug/L	SW846 8021B
Benzene	310	2.0	ug/L	SW846 8021B
Ethylbenzene	14	1.0	ug/L	SW846 8021B
Xylenes (total)	24	3.0	ug/L	SW846 8021B
Chloride	206	50.0	mg/L	MCAWW 300.0A
MW-4 01/26/05 15:40 016				
Diesel Range Organics	0.19	0.048	mg/L	SW846 8015B
Chloride	173	20.0	mg/L	MCAWW 300.0A
MW-5 01/26/05 16:15 017				
Diesel Range Organics	0.069	0.048	mg/L	SW846 8015B
Benzene	8.9	1.0	ug/L	SW846 8021B
Ethylbenzene	2.0	1.0	ug/L	SW846 8021B
Toluene	9.1	1.0	ug/L	SW846 8021B
Xylenes (total)	4.9	3.0	ug/L	SW846 8021B
Chloride	190	50.0	mg/L	MCAWW 300.0A
MW-5D 01/26/05 16:25 018				
Diesel Range Organics	0.098	0.048	mg/L	SW846 8015B
Benzene	8.7	1.0	ug/L	SW846 8021B
Ethylbenzene	1.9	1.0	ug/L	SW846 8021B
Toluene	9.0	1.0	ug/L	SW846 8021B
Xylenes (total)	4.8	3.0	ug/L	SW846 8021B
Chloride	188	50.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

ISA280109

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-12 01/27/05 09:30 021				
Diesel Range Organics	1.2	0.048	mg/L	SW846 8015B
Gasoline Range Organics	15	2.0	mg/L	SW846 8015B
Benzene	4000	20	ug/L	SW846 8021B
Ethylbenzene	66	20	ug/L	SW846 8021B
Xylenes (total)	130	60	ug/L	SW846 8021B
Chloride	187	20.0	mg/L	MCAWW 300.0A
DUPLICATE 01/27/05 09:45 022				
Diesel Range Organics	1.3	0.048	mg/L	SW846 8015B
Gasoline Range Organics	15	2.0	mg/L	SW846 8015B
Benzene	3900	20	ug/L	SW846 8021B
Ethylbenzene	67	20	ug/L	SW846 8021B
Xylenes (total)	130	60	ug/L	SW846 8021B
Chloride	193	20.0	mg/L	MCAWW 300.0A
SVE-10 01/27/05 10:05 023				
Diesel Range Organics	0.68	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.19	0.10	mg/L	SW846 8015B
Benzene	12	1.0	ug/L	SW846 8021B
Ethylbenzene	12	1.0	ug/L	SW846 8021B
Chloride	251	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

ISA280109

<u>PREPARATION DESCRIPTION</u>	<u>PREPARATION METHOD</u>	<u>ANALYTICAL METHOD</u>
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**I5A280109**

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Joe Lanham	000039
SW846 8015B	Scott Leslie	401008
SW846 8021B	Joe Lanham	000039

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

ISA280109

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
G3DLK	001	MW-21	01/26/05	08:30
G3DMA	002	MW-16	01/26/05	09:15
G3DMJ	003	MW-20	01/26/05	09:45
G3DMN	004	TRIP BLANK 1	01/27/05	11:30
G3DMV	005	MW-17	01/26/05	10:15
G3DMX	006	MW-25	01/26/05	10:45
G3DM1	007	MW-24	01/26/05	11:15
G3DM2	008	MW-23	01/26/05	11:35
G3DM4	009	TRIP BLANK 2	01/27/05	11:45
G3DM6	010	MW-22	01/26/05	12:15
G3DNE	011	MW-13	01/26/05	13:40
G3DNH	012	MW-19	01/26/05	13:55
G3DNJ	013	MW-14	01/26/05	14:45
G3DNM	014	TRIP BLANK 3	01/27/05	11:57
G3DNN	015	MW-18	01/26/05	15:15
G3DNV	016	MW-4	01/26/05	15:40
G3DNX	017	MW-5	01/26/05	16:15
G3DN1	018	MW-5D	01/26/05	16:25
G3DN2	019	TRIP BLANK 4	01/27/05	12:10
G3DN4	020	TRIP BLANK 5	01/27/05	09:15
G3DN7	021	MW-12	01/27/05	09:30
G3DPA	022	DUPLICATE	01/27/05	09:45
G3DPC	023	SVE-10	01/27/05	10:05

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

ISA280109

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
002	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
003	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
004	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
005	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
006	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
007	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5040353	5040195
	WATER	SW846 8021B		5040356	5040201
008	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
009	WATER	SW846 8015B		5042228	5042166
	WATER	SW846 8021B		5042236	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

ISA280109

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
011	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
012	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
013	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
014	WATER	SW846 8015B		5042228	5042166
	WATER	SW846 8021B		5042236	
015	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
	WATER	SW846 8021B		5042236	
016	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
017	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
018	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I5A280109

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
019	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
020	WATER	SW846 8015B		5041326	
	WATER	SW846 8021B		5041457	
021	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5042228	5042166
	WATER	SW846 8021B		5042236	
022	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5042228	5042166
	WATER	SW846 8021B		5042236	
023	WATER	MCAWW 300.0A		5033274	5033214
	WATER	SW846 8015B		5032058	5032032
	WATER	SW846 8015B		5042228	5042166
	WATER	SW846 8021B		5042236	

ConocoPhillips

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I5A280109-001 Work Order #....: G3DLK1AA Matrix.....: WATER
Date Sampled....: 01/26/05 08:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 18:18
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(75 - 122)

ConocoPhillips

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #....: I5A280109-001 Work Order #....: G3DLK1AD Matrix.....: WATER
Date Sampled....: 01/26/05 08:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 18:18
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	89	(73 - 135)

ConocoPhillips

Client Sample ID: MW-21

GC Semivolatiles

Lot-Sample #....: I5A280109-001 Work Order #....: G3DLK1AC Matrix.....: WATER
Date Sampled....: 01/26/05 08:30 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/02/05
Prep Batch #....: 5032058 Analysis Time...: 20:53
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	82	(41 - 143)
Dotriacontane	92	(12 - 153)

ConocoPhillips

Client Sample ID: MW-21

General Chemistry

Lot-Sample #....: I5A280109-001 Work Order #....: G3DLK Matrix.....: WATER
Date Sampled...: 01/26/05 08:30 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	659	100	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 100		Analysis Time...: 08:58		

ConocoPhillips

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I5A280109-002 Work Order #....: G3DMA1AA Matrix.....: WATER
Date Sampled...: 01/26/05 09:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 18:47
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ConocoPhillips

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #....: I5A280109-002 Work Order #....: G3DMA1AD Matrix.....: WATER
Date Sampled....: 01/26/05 09:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 18:47
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

ConocoPhillips

Client Sample ID: MW-16

GC Semivolatiles

Lot-Sample #....: I5A280109-002 Work Order #....: G3DMA1AC Matrix.....: WATER
Date Sampled....: 01/26/05 09:15 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/02/05
Prep Batch #....: 5032058 Analysis Time...: 22:58
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	85	(41 - 143)
Dotriacontane	89	(12 - 153)

ConocoPhillips

Client Sample ID: MW-16

General Chemistry

Lot-Sample #...: I5A280109-002 Work Order #...: G3DMA Matrix.....: WATER
Date Sampled...: 01/26/05 09:15 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	178	50.0	mg/L	MCAWW 300.0A	02/02/05	5033274

Dilution Factor: 50 Analysis Time...: 14:56

ConocoPhillips

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I5A280109-003 Work Order #....: G3DMJ1AA Matrix.....: WATER
Date Sampled....: 01/26/05 09:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 19:15
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(75 - 122)

ConocoPhillips

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #....: I5A280109-003 Work Order #....: G3DMJ1AD Matrix.....: WATER
Date Sampled....: 01/26/05 09:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 19:15
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	90	(73 - 135)

ConocoPhillips

Client Sample ID: MW-20

GC Semivolatiles

Lot-Sample #....: I5A280109-003 Work Order #....: G3DMJ1AC Matrix.....: WATER
Date Sampled....: 01/26/05 09:45 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/02/05
Prep Batch #....: 5032058 Analysis Time...: 23:40
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	86	(41 - 143)
Dotriacontane	92	(12 - 153)

ConocoPhillips

Client Sample ID: MW-20

General Chemistry

Lot-Sample #....: I5A280109-003 Work Order #....: G3DMJ Matrix.....: WATER
Date Sampled....: 01/26/05 09:45 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	76.0	20.0	mg/L	MCAW 300.0A	02/02/05	5033274

Dilution Factor: 20 Analysis Time... 09:51

ConocoPhillips

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I5A280109-004 Work Order #....: G3DMN1AA Matrix.....: WATER
Date Sampled....: 01/27/05 11:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 19:44
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(75 - 122)

ConocoPhillips

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I5A280109-004 Work Order #....: G3DMN1AC Matrix.....: WATER
Date Sampled....: 01/27/05 11:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 19:44
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

ConocoPhillips

Client Sample ID: MW-17

GC Volatiles

Lot-Sample #....: I5A280109-005 Work Order #....: G3DMV1AA Matrix.....: WATER
Date Sampled....: 01/26/05 10:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 20:13
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ConocoPhillips

Client Sample ID: MW-17

GC Volatiles

Lot-Sample #....: I5A280109-005 Work Order #....: G3DMV1AD Matrix.....: WATER
Date Sampled....: 01/26/05 10:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 20:13
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

ConocoPhillips

Client Sample ID: MW-17

GC Semivolatiles

Lot-Sample #....: I5A280109-005 Work Order #....: G3DMV1AC Matrix.....: WATER
Date Sampled....: 01/26/05 10:15 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 00:22
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	86	(41 - 143)
Dotriacontane	94	(12 - 153)

ConocoPhillips

Client Sample ID: MW-17

General Chemistry

Lot-Sample #...: I5A280109-005 Work Order #...: G3DMV Matrix.....: WATER
Date Sampled...: 01/26/05 10:15 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	146	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 10:04		

ConocoPhillips

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #....: I5A280109-006 Work Order #....: G3DMX1AA Matrix.....: WATER
Date Sampled....: 01/26/05 10:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 20:42
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.28	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ConocoPhillips

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #....: I5A280109-006 Work Order #....: G3DMX1AD Matrix.....: WATER
Date Sampled...: 01/26/05 10:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 20:42
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	3.4	1.0	ug/L
Ethylbenzene	25	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	8.9	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	119	(73 - 135)

ConocoPhillips

Client Sample ID: MW-25

GC Semivolatiles

Lot-Sample #....: I5A280109-006 Work Order #....: G3DMX1AC Matrix.....: WATER
Date Sampled....: 01/26/05 10:45 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 01:04
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.29	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	87	(41 - 143)
Dotriacontane	90	(12 - 153)

ConocoPhillips

Client Sample ID: MW-25

General Chemistry

Lot-Sample #....: I5A280109-006 Work Order #....: G3DMX Matrix.....: WATER
Date Sampled....: 01/26/05 10:45 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	143	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274

Dilution Factor: 20 Analysis Time...: 10:17

ConocoPhillips

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #...: I5A280109-007 Work Order #...: G3DM11AA Matrix.....: WATER
Date Sampled...: 01/26/05 11:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #...: 5040353 Analysis Time...: 21:10
Dilution Factor: 1

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.65	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	100	(75 - 122)

ConocoPhillips

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #....: I5A280109-007 Work Order #....: G3DM11AD Matrix.....: WATER
Date Sampled....: 01/26/05 11:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040356 Analysis Time...: 21:10 .
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	80	1.0	ug/L
Ethylbenzene	17	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	12	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	121	(73 - 135)

ConocoPhillips

Client Sample ID: MW-24

GC Semivolatiles

Lot-Sample #....: I5A280109-007 Work Order #....: G3DM11AC Matrix.....: WATER
Date Sampled....: 01/26/05 11:15 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 02:27
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.32	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	79	(41 - 143)
Dotriacontane	84	(12 - 153)

ConocoPhillips

Client Sample ID: MW-24

General Chemistry

Lot-Sample #...: ISA280109-007 Work Order #...: G3DM1 Matrix.....: WATER
Date Sampled...: 01/26/05 11:15 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	182	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 10:30		

ConocoPhillips

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #...: I5A280109-008 Work Order #...: G3DM21AA Matrix.....: WATER
Date Sampled...: 01/26/05 11:35 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #...: 5041326 Analysis Time...: 17:11
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(75 - 122)

ConocoPhillips

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #....: I5A280109-008 Work Order #....: G3DM21AD Matrix.....: WATER
Date Sampled....: 01/26/05 11:35 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 17:11
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

ConocoPhillips

Client Sample ID: MW-23

GC Semivolatiles

Lot-Sample #...: ISA280109-008 Work Order #...: G3DM21AC Matrix.....: WATER
Date Sampled...: 01/26/05 11:35 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #...: 5032058 Analysis Time...: 03:09
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	74	(41 - 143)
Dotriacontane	81	(12 - 153)

ConocoPhillips

Client Sample ID: MW-23

General Chemistry

Lot-Sample #....: I5A280109-008 Work Order #....: G3DM2 Matrix.....: WATER
Date Sampled....: 01/26/05 11:35 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	64.8	20.0	mg/L	MCAW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 11:10		

ConocoPhillips

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I5A280109-009 Work Order #....: G3DM41AA Matrix.....: WATER
Date Sampled....: 01/27/05 11:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042228 Analysis Time...: 11:33
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	92	(75 - 122)

ConocoPhillips

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I5A280109-009 Work Order #....: G3DM41AC Matrix.....: WATER
Date Sampled....: 01/27/05 11:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042236 Analysis Time...: 11:33
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

ConocoPhillips

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #...: I5A280109-010 Work Order #...: G3DM61AA Matrix.....: WATER
Date Sampled...: 01/26/05 12:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #...: 5041326 Analysis Time...: 17:39
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	93	(75 - 122)

ConocoPhillips

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #....: I5A280109-010 Work Order #....: G3DM61AD Matrix.....: WATER
Date Sampled....: 01/26/05 12:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 17:39
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

ConocoPhillips

Client Sample ID: MW-22

GC Semivolatiles

Lot-Sample #....: I5A280109-010 Work Order #....: G3DM61AC Matrix.....: WATER
Date Sampled....: 01/26/05 12:15 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 03:51
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	74	(41 - 143)
Dotriacontane	80	(12 - 153)

ConocoPhillips

Client Sample ID: MW-22

General Chemistry

Lot-Sample #....: I5A280109-010 Work Order #....: G3DM6 Matrix.....: WATER
Date Sampled....: 01/26/05 12:15 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	88.3	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 11:23		

ConocoPhillips

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I5A280109-011 Work Order #....: G3DNE1AA Matrix.....: WATER
Date Sampled....: 01/26/05 13:40 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 18:08
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #....: I5A280109-011 Work Order #....: G3DNE1AD Matrix.....: WATER
Date Sampled....: 01/26/05 13:40 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 18:08
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

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #....: I5A280109-011 Work Order #....: G3DNE1AC Matrix.....: WATER
Date Sampled....: 01/26/05 13:40 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 04:32
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	86	(41 - 143)
Dotriacontane	84	(12 - 153)

ConocoPhillips

Client Sample ID: MW-13

General Chemistry

Lot-Sample #....: I5A280109-011 Work Order #....: G3DNE Matrix.....: WATER
Date Sampled....: 01/26/05 13:40 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	66.9	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 11:36		

ConocoPhillips

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I5A280109-012 Work Order #....: G3DNH1AA Matrix.....: WATER
Date Sampled....: 01/26/05 13:55 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 18:38
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	92	(75 - 122)

ConocoPhillips

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #....: I5A280109-012 Work Order #....: G3DNH1AD Matrix.....: WATER
Date Sampled....: 01/26/05 13:55 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 18:38
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ConocoPhillips

Client Sample ID: MW-19

GC Semivolatiles

Lot-Sample #....: I5A280109-012 Work Order #....: G3DNH1AC Matrix.....: WATER
Date Sampled....: 01/26/05 13:55 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 05:14
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND		0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	88	(41 - 143)
Dotriacontane	87	(12 - 153)

ConocoPhillips

Client Sample ID: MW-19

General Chemistry

Lot-Sample #...: ISA280109-012 Work Order #...: G3DNH Matrix.....: WATER
Date Sampled...: 01/26/05 13:55 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	187	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 11:49		

ConocoPhillips

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I5A280109-013 Work Order #....: G3DNJ1AA Matrix.....: WATER
Date Sampled....: 01/26/05 14:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 19:07
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: I5A280109-013 Work Order #....: G3DNJ1AD Matrix.....: WATER
Date Sampled....: 01/26/05 14:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 19:07
Dilution Factor: 1

Method.....: SW846 8021B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

ConocoPhillips

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #....: ISA280109-013 Work Order #....: G3DNJ1AC Matrix.....: WATER
Date Sampled....: 01/26/05 14:45 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 05:56
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	87	(41 - 143)
Dotriacontane	86	(12 - 153)

ConocoPhillips

Client Sample ID: MW-14

General Chemistry

Lot-Sample #....: I5A280109-013 Work Order #....: G3DNJ Matrix.....: WATER
Date Sampled....: 01/26/05 14:45 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	87.7	20.0	mg/L	MCANW 300.0A	02/02/05	5033274
		Dilution Factor: 20		Analysis Time...: 12:02		

ConocoPhillips

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #...: I5A280109-014 Work Order #...: G3DNM1AA Matrix.....: WATER
Date Sampled...: 01/27/05 11:57 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #...: 5042228 Analysis Time...: 12:02
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips

Client Sample ID: TRIP BLANK 3

GC Volatiles

Lot-Sample #....: I5A280109-014 Work Order #....: G3DNM1AC Matrix.....: WATER
Date Sampled....: 01/27/05 11:57 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042236 Analysis Time...: 12:02
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

ConocoPhillips

Client Sample ID: MW-18

• GC Volatiles

Lot-Sample #...: I5A280109-015 Work Order #...: G3DNN1AA Matrix.....: WATER
Date Sampled...: 01/26/05 15:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #...: 5041326 Analysis Time...: 19:35
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ConocoPhillips

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I5A280109-015 Work Order #....: G3DNN1AD Matrix.....: WATER
Date Sampled....: 01/26/05 15:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 19:35
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	350 E	1.0	ug/L
Ethylbenzene	14	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	24	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(73 - 135)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

ConocoPhillips

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #....: I5A280109-015 Work Order #....: G3DNN2AD Matrix.....: WATER
Date Sampled....: 01/26/05 15:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042236 Analysis Time...: 14:33
Dilution Factor: 2

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	310	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	120	(73 - 135)

NOTE(S):

Sample analyzed outside of hold time.

ConocoPhillips

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #....: I5A280109-015 Work Order #....: G3DNN1AC Matrix.....: WATER
Date Sampled....: 01/26/05 15:15 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 06:37
Dilution Factor: 0.96

Method.....: SW846 8015B

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

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

ConocoPhillips

Client Sample ID: MW-18

General Chemistry

Lot-Sample #...: 15A280109-015 Work Order #...: G3DNN Matrix.....: WATER
Date Sampled...: 01/26/05 15:15 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	206	50.0	mg/L	MCANW 300.0A	02/02/05	5033274
		Dilution Factor: 50		Analysis Time...: 15:09		

ConocoPhillips

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: I5A280109-016 Work Order #....: G3DNV1AA Matrix.....: WATER
Date Sampled....: 01/26/05 15:40 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 21:10
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	93	(75 - 122)

ConocoPhillips

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: I5A280109-016 Work Order #....: G3DNV1AD Matrix.....: WATER
Date Sampled....: 01/26/05 15:40 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 21:10
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ConocoPhillips

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #....: I5A280109-016 Work Order #....: G3DNV1AC Matrix.....: WATER
Date Sampled....: 01/26/05 15:40 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 07:19
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
		<u>LIMIT</u>	
Diesel Range Organics	0.19	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	88	(41 - 143)
Dotriacontane	93	(12 - 153)

ConocoPhillips

Client Sample ID: MW-4

General Chemistry

Lot-Sample #....: I5A280109-016 Work Order #....: G3DNV Matrix.....: WATER
Date Sampled....: 01/26/05 15:40 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	173	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274

Dilution Factor: 20 Analysis Time...: 12:29

ConocoPhillips

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: I5A280109-017 Work Order #....: G3DNX1AA Matrix.....: WATER
Date Sampled....: 01/26/05 16:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 21:38
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: I5A280109-017 Work Order #....: G3DNX1AD Matrix.....: WATER
Date Sampled....: 01/26/05 16:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 21:38
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	8.9	1.0	ug/L
Ethylbenzene	2.0	1.0	ug/L
Toluene	9.1	1.0	ug/L
Xylenes (total)	4.9	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	115	(73 - 135)

ConocoPhillips

Client Sample ID: MW-5

GC Semivolatiles

Lot-Sample #....: I5A280109-017 Work Order #....: G3DNX1AC Matrix.....: WATER
Date Sampled....: 01/26/05 16:15 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 08:01
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.069	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	82	(41 - 143)
Dotriacontane	91	(12 - 153)

ConocoPhillips

Client Sample ID: MW-5

General Chemistry

Lot-Sample #....: I5A280109-017 Work Order #....: G3DNX Matrix.....: WATER
Date Sampled....: 01/26/05 16:15 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	190	50.0	mg/L	MCANW 300.0A	02/02/05	5033274
		Dilution Factor: 50		Analysis Time...: 15:22		

ConocoPhillips

Client Sample ID: MW-5D

GC Volatiles

Lot-Sample #....: I5A280109-018 Work Order #....: G3DN11AA Matrix.....: WATER
Date Sampled....: 01/26/05 16:25 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 20:06
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	93	(75 - 122)

ConocoPhillips

Client Sample ID: MW-5D

GC Volatiles

Lot-Sample #....: I5A280109-018 Work Order #....: G3DN11AD Matrix.....: WATER
Date Sampled...: 01/26/05 16:25 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041457 Analysis Time...: 22:06
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	8.7	1.0	ug/L
Ethylbenzene	1.9	1.0	ug/L
Toluene	9.0	1.0	ug/L
Xylenes (total)	4.8	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	115	(73 - 135)

ConocoPhillips

Client Sample ID: MW-5D

GC Semivolatiles

Lot-Sample #...: I5A280109-018 Work Order #...: G3DN11AC Matrix.....: WATER
Date Sampled...: 01/26/05 16:25 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #...: 5032058 Analysis Time...: 08:43
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.098	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	89	(41 - 143)
Dotriacontane	94	(12 - 153)

ConocoPhillips

Client Sample ID: MW-5D

General Chemistry

Lot-Sample #....: I5A280109-018 Work Order #....: G3DN1 Matrix.....: WATER
Date Sampled....: 01/26/05 16:25 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	188	50.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 50		Analysis Time...: 15:35		

ConocoPhillips

Client Sample ID: TRIP BLANK 4

GC Volatiles

Lot-Sample #....: I5A280109-019 Work Order #....: G3DN21AA Matrix.....: WATER
Date Sampled....: 01/27/05 12:10 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/10/05
Prep Batch #....: 5041326 Analysis Time...: 01:32
Dilution Factor: 1
Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips

Client Sample ID: TRIP BLANK 4

GC Volatiles

Lot-Sample #....: I5A280109-019 Work Order #....: G3DN21AC Matrix.....: WATER
Date Sampled....: 01/27/05 12:10 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/10/05
Prep Batch #....: 5041457 Analysis Time...: 01:32
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

ConocoPhillips

Client Sample ID: TRIP BLANK 5

GC Volatiles

Lot-Sample #....: I5A280109-020 Work Order #....: G3DN41AA Matrix.....: WATER
Date Sampled...: 01/27/05 09:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/10/05
Prep Batch #....: 5041326 Analysis Time...: 02:00
Dilution Factor: 1

Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ConocoPhillips

Client Sample ID: TRIP BLANK 5

GC Volatiles

Lot-Sample #....: I5A280109-020 Work Order #....: G3DN41AC Matrix.....: WATER
Date Sampled....: 01/27/05 09:15 Date Received...: 01/28/05 08:00
Prep Date.....: 02/09/05 Analysis Date...: 02/10/05
Prep Batch #....: 5041457 Analysis Time...: 02:00
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ConocoPhillips

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I5A280109-021 Work Order #....: G3DN71AA Matrix.....: WATER
Date Sampled....: 01/27/05 09:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042228 Analysis Time...: 13:00
Dilution Factor: 20

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	15	2.0	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ConocoPhillips

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #....: I5A280109-021 Work Order #....: G3DN71AD Matrix.....: WATER
Date Sampled....: 01/27/05 09:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042236 Analysis Time...: 13:00
Dilution Factor: 20
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	4000	20	ug/L
Ethylbenzene	66	20	ug/L
Toluene	ND	20	ug/L
Xylenes (total)	130	60	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	112	(73 - 135)

ConocoPhillips

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #...: I5A280109-021 Work Order #...: G3DN71AC Matrix.....: WATER
Date Sampled...: 01/27/05 09:30 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #...: 5032058 Analysis Time...: 09:24
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	1.2	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	87	(41 - 143)
Dotriacontane	79	(12 - 153)

ConocoPhillips

Client Sample ID: MW-12

General Chemistry

Lot-Sample #...: I5A280109-021 Work Order #...: G3DN7 Matrix.....: WATER
Date Sampled...: 01/27/05 09:30 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	187	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274

Dilution Factor: 20 Analysis Time...: 13:08

ConocoPhillips

Client Sample ID: DUPLICATE

GC Volatiles

Lot-Sample #....: I5A280109-022 Work Order #....: G3DPA1AA Matrix.....: WATER
Date Sampled....: 01/27/05 09:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042228 Analysis Time...: 13:28
Dilution Factor: 20
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	15	2.0	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(75 - 122)

ConocoPhillips

Client Sample ID: DUPLICATE

GC Volatiles

Lot-Sample #....: I5A280109-022 Work Order #....: G3DPA1AD Matrix.....: WATER
Date Sampled....: 01/27/05 09:45 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042236 Analysis Time...: 13:28
Dilution Factor: 20

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	3900	20	ug/L
Ethylbenzene	67	20	ug/L
Toluene	ND	20	ug/L
Xylenes (total)	130	60	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	113	(73 - 135)

ConocoPhillips

Client Sample ID: DUPLICATE

GC Semivolatiles

Lot-Sample #....: I5A280109-022 Work Order #....: G3DPA1AC Matrix.....: WATER
Date Sampled....: 01/27/05 09:45 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 10:06
Dilution Factor: 0.96

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	1.3	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	83	(41 - 143)
Dotriacontane	75	(12 - 153)

ConocoPhillips

Client Sample ID: DUPLICATE

General Chemistry

Lot-Sample #...: I5A280109-022 Work Order #...: G3DPA Matrix.....: WATER
Date Sampled...: 01/27/05 09:45 Date Received...: 01/28/05 08:00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	193	20.0	mg/L	MCAWW 300.0A	02/02/05	5033274

Dilution Factor: 20 Analysis Time...: 14:16

ConocoPhillips

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #....: I5A280109-023 Work Order #....: G3DPC1AA Matrix.....: WATER
Date Sampled....: 01/27/05 10:05 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042228 Analysis Time...: 12:31
Dilution Factor: 1

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.19	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	101	(75 - 122)

ConocoPhillips

Client Sample ID: SV8-10

GC Volatiles

Lot-Sample #....: I5A280109-023 Work Order #....: G3DPC1AD Matrix.....: WATER
Date Sampled....: 01/27/05 10:05 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042236 Analysis Time...: 12:31
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	12	1.0	ug/L
Ethylbenzene	12	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	113	(73 - 135)

ConocoPhillips

Client Sample ID: SVE-10

GC Semivolatiles

Lot-Sample #....: I5A280109-023 Work Order #....: G3DPC1AC Matrix.....: WATER
Date Sampled....: 01/27/05 10:05 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/03/05
Prep Batch #....: 5032058 Analysis Time...: 10:48
Dilution Factor: 0.96
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.68	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	84	(41 - 143)
Dotriacontane	85	(12 - 153)

ConocoPhillips

Client Sample ID: SVE-10

General Chemistry

Lot-Sample #...: I5A280109-023 Work Order #...: G3DPC Matrix.....: WATER
Date Sampled...: 01/27/05 10:05 Date Received...: 01/28/05 08:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	251	50.0	mg/L	MCAWH 300.0A	02/02/05	5033274
Dilution Factor: 50				Analysis Time...: 15:48		

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I5A280109
MB Lot-Sample #: I5B090000-353

Work Order #....: G339V1AA

Matrix.....: WATER

Analysis Date...: 02/08/05

Prep Date.....: 02/08/05

Analysis Time...: 11:40

Dilution Factor: 1

Prep Batch #....: 5040353

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	93	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I5A280109
MB Lot-Sample #: I5B100000-326

Work Order #....: G361C1AA

Matrix.....: WATER

Analysis Date...: 02/09/05

Prep Date.....: 02/09/05

Analysis Time...: 13:33

Dilution Factor: 1

Prep Batch #....: 5041326

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	93	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5A280109
MB Lot-Sample #: I5B110000-228
Analysis Date...: 02/10/05
Dilution Factor: 1

Work Order #...: G39AQ1AA
Prep Date.....: 02/10/05
Prep Batch #...: 5042228

Matrix.....: WATER
Analysis Time...: 10:36

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	93	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I5A280109
MB Lot-Sample #: I5B090000-356

Work Order #...: G33981AA

Matrix.....: WATER

Analysis Date...: 02/08/05
Dilution Factor: 1

Prep Date.....: 02/08/05
Prep Batch #...: 5040356

Analysis Time...: 11:40

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(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 Volatiles

Client Lot #...: I5A280109
MB Lot-Sample #: I5B100000-457

Work Order #...: G37GR1AA

Matrix.....: WATER

Analysis Date...: 02/09/05
Dilution Factor: 1

Prep Date.....: 02/09/05

Analysis Time...: 13:33

Prep Batch #...: 5041457

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>		
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
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>			
	<u>RECOVERY</u>	<u>LIMITS</u>			
Bromofluorobenzene	97	(81 - 119)			
a, a, a-Trifluorotoluene (TFT)	89	(73 - 135)			

NOTE (S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I5A280109
MB Lot-Sample #: I5B110000-236

Work Order #....: G39CP1AA

Matrix.....: WATER

Analysis Date...: 02/10/05
Dilution Factor: 1

Prep Date.....: 02/10/05

Analysis Time...: 10:36

Prep Batch #....: 5042236

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	92	(73 - 135)

NOTE(S) :

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: I5A280109
MB Lot-Sample #: I5B010000-058

Work Order #....: G3H6X1AA

Matrix.....: WATER

Analysis Date...: 02/02/05
Dilution Factor: 1

Prep Date.....: 01/31/05

Analysis Time...: 19:29

Prep Batch #....: 5032058

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	68	(41 - 143)
Dotriacontane	74	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I5A280109

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Chloride	ND	Work Order #: G3L6D1AA		MB Lot-Sample #: I5B020000-274		
		1.0	mg/L	MCAWW 300.0A	02/02/05	5033274
		Dilution Factor: 1				
		Analysis Time...: 08:32				

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I5A280109 Work Order #....: G339V1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I5B090000-353 G339V1AD-LCSD
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5040353 Analysis Time...: 11:11
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	90	(85 - 115)			SW846 8015B
	90	(85 - 115)	0.35	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(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 #....: I5A280109 Work Order #....: G361C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I5B100000-326 G361C1AD-LCSD
Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
Prep Batch #....: 5041326 Analysis Time...: 13:04
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	87	(85 - 115)			SW846 8015B
	86	(85 - 115)	1.3	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(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 #....: I5A280109 Work Order #....: G39AQ1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I5B110000-228 G39AQ1AD-LCSD
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042228 Analysis Time...: 09:11
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	99	(85 - 115)			SW846 8015B
	93	(85 - 115)	5.8	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	93	(81 - 123)
	94	(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 #....: I5A280109 Work Order #....: G33981AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I5B090000-356 G33981AD-LCSD
 Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
 Prep Batch #....: 5040356 Analysis Time...: 12:09
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	102	(85 - 115)			SW846 8021B
	102	(85 - 115)	0.56	(0-20)	SW846 8021B
Ethylbenzene	103	(85 - 115)			SW846 8021B
	101	(85 - 115)	1.8	(0-20)	SW846 8021B
Toluene	100	(85 - 115)			SW846 8021B
	99	(85 - 115)	0.73	(0-20)	SW846 8021B
Xylenes (total)	104	(85 - 115)			SW846 8021B
	102	(85 - 115)	1.8	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	104	(85 - 111)
	102	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	97	(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 Volatiles

Client Lot #....: I5A280109 Work Order #....: G37GR1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I5B100000-457 G37GR1AD-LCSD
 Prep Date.....: 02/09/05 Analysis Date...: 02/09/05
 Prep Batch #....: 5041457 Analysis Time...: 14:30
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	103	(85 - 115)			SW846 8021B
	100	(85 - 115)	2.8	(0-20)	SW846 8021B
Ethylbenzene	106	(85 - 115)			SW846 8021B
	104	(85 - 115)	1.2	(0-20)	SW846 8021B
Toluene	102	(85 - 115)			SW846 8021B
	100	(85 - 115)	1.4	(0-20)	SW846 8021B
Xylenes (total)	107	(85 - 115)			SW846 8021B
	107	(85 - 115)	0.040	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(85 - 111)
	100	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	96	(84 - 114)
	95	(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 #....: I5A280109 Work Order #....: G39CP1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I5B110000-236 G39CP1AD-LCSD
 Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
 Prep Batch #....: 5042236 Analysis Time...: 09:39
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	113	(85 - 115)			SW846 8021B
	100	(85 - 115)	12	(0-20)	SW846 8021B
Ethylbenzene	113	(85 - 115)			SW846 8021B
	105	(85 - 115)	7.4	(0-20)	SW846 8021B
Toluene	108	(85 - 115)			SW846 8021B
	100	(85 - 115)	7.5	(0-20)	SW846 8021B
Xylenes (total)	115	(85 - 115)			SW846 8021B
	108	(85 - 115)	5.8	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(85 - 111)
	101	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	96	(84 - 114)
	92	(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 #...: I5A280109 Work Order #...: G3H6X1AC Matrix.....: WATER
LCS Lot-Sample#: I5B010000-058
Prep Date.....: 01/31/05 Analysis Date...: 02/02/05
Prep Batch #...: 5032058 Analysis Time...: 20:11
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	78	(44 - 151)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	72	(41 - 143)
Dotriacontane	70	(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 #...: I5A280109

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	103	Work Order #: G3L6D1AC LCS Lot-Sample#: I5B020000-274 (90 - 110) MCAWW 300.0A		02/02/05	5033274
		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 #....: I5A280109 Work Order #....: G3DLK1AK-MS Matrix.....: WATER
MS Lot-Sample #: I5A280109-001 G3DLK1AL-MSD
Date Sampled....: 01/26/05 08:30 Date Received...: 01/28/05 08:00
Prep Date.....: 02/08/05 Analysis Date...: 02/09/05
Prep Batch #....: 5040353 Analysis Time...: 09:38
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	139 a	(79 - 124)			SW846 8015B
	106 p	(79 - 124)	27	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)
	95	(75 - 122)

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.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I5A280109 Work Order #....: G3DPC1AF-MS Matrix.....: WATER
MS Lot-Sample #: I5A280109-023 G3DPC1AG-MSD
Date Sampled....: 01/27/05 10:05 Date Received...: 01/28/05 08:00
Prep Date.....: 02/10/05 Analysis Date...: 02/10/05
Prep Batch #....: 5042228 Analysis Time...: 15:02
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	105	(79 - 124)			SW846 8015B
	101	(79 - 124)	3.8	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)
	96	(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 #...: I5A280109 Work Order #...: G3DMA1AF-MS Matrix.....: WATER
 MS Lot-Sample #: I5A280109-002 G3DMA1AG-MSD
 Date Sampled...: 01/26/05 09:15 Date Received...: 01/28/05 08:00
 Prep Date.....: 02/08/05 Analysis Date...: 02/09/05
 Prep Batch #...: 5040356 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	118 a	(85 - 115)			SW846 8021B
	126 a	(85 - 115)	6.7	(0-20)	SW846 8021B
Ethylbenzene	122 a	(85 - 115)			SW846 8021B
	129 a	(85 - 115)	4.9	(0-20)	SW846 8021B
Toluene	115	(85 - 115)			SW846 8021B
	122 a	(85 - 115)	5.9	(0-20)	SW846 8021B
Xylenes (total)	127 a	(85 - 115)			SW846 8021B
	132 a	(85 - 115)	4.2	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(81 - 119)
	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(73 - 135)
	97	(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 #....: I5A280109 Work Order #....: G3DLK1AF-MS Matrix.....: WATER
MS Lot-Sample #: I5A280109-001 G3DLK1AG-MSD
Date Sampled...: 01/26/05 08:30 Date Received...: 01/28/05 08:00
Prep Date.....: 01/31/05 Analysis Date...: 02/02/05
Prep Batch #....: 5032058 Analysis Time...: 21:35
Dilution Factor: 0.96

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	89	(44 - 151)			SW846 8015B
	85	(44 - 151)	5.0	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	89	(41 - 143)
	94	(41 - 143)
Dotriacontane	89	(12 - 153)
	98	(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

General Chemistry

Client Lot #: I5A280109

Matrix.....: WATER

Date Sampled...: 01/26/05 08:30 Date Received...: 01/28/05 08:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#:	G3DLK1AH-MS/G3DLK1AJ-MSD	MS Lot-Sample #:	I5A280109-001
	113 N	(90 - 110)		MCAWW 300.0A	02/02/05	5033274
	112 N	(90 - 110)	0.34 (0-20)	MCAWW 300.0A	02/02/05	5033274
			Dilution Factor:	100		
			Analysis Time...:	09:11		

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 OAI: 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: T5A280109RECEIVED BY: Bj

COC NUMBER: _____

DATE/TIME RECEIVED: 1/22/05 0800QUOTE/PROFILE: 55401UNPACKED DATE/TIME: 1/22/05 1000CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received
with Chain of Custody 5Bj XTVOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 CONTAINERS EXAMINED UPON RECEIPT: BjContainer Sealed: ☒ YES ☐ NO Custody Seal Signed/Dated: ☒ YES ☐ NOCustody 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 ☐ NOCanister Valves Capped: ☐ YES ☐ NO Other Equipment Received: ☐ YES ☐ NOValve Cap Tightened Properly: ☐ YES ☐ NO See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NOPacking Material Used: (circle) Chain-of-Custody form properly maintained: ☐ YES ☐ NONone / Absorbent / Paper / Bubble Wrap Can Size: ☐ 6L ☐ 15L Other _____3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: Bj IR THERMOMETER #: P5

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	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 ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES VERIFIED BY: BjBase samples are >pH 12: ☐ YES ☐ NO Acid preserved are <pH 2: ☒ YES ☐ NOCyanide samples checked
for sulfides: ☐ YES Sulfide samples appear
to be preserved with zinc acetate: ☐ YES ☐ NOSamples 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 formVOLATILE 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: BA

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 ☐ NOVOA trip blanks included: 6/4/04☒ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

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: _____

OnBDate: 2-10-05

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

ISAA280109

Chain of Custody Record

STL4149 (1202)

Client	Project Manager		Date	Page 1 of 6
Maxim Technologies	Greg Pope		01/18/2005	
Address	Telephone Number (Area Code)/Fax Number		Lab Location	Analysis
1703 W Industrial Ave	(432) 686-8881 / (000)		STL Austin	
City	State	Zip Code	Site Contact	
Midland	TX	79701	Greg Pope	
Project Number/Name	Carrier/Waybill Number			
33373 E Hobbs Jct Remediation	FEDEX			
Contract/Purchase Order/Quote Number				
CONTRACT / PURCHASE ORDER # : 3373NAT008			00078: 55401	

CONTRACT / PURCHASE ORDER # : 3373MAY008

10755 : 91000

Sample I.D. Number and Description	Date	Time	Sample Type	Containers			Preservative	Condition on Receipt/Comments	R	L	O
				Volume	Type	No.					
MW-21	1-26-05	830	WATER	1L	AMBER	3	None	2-1/8/05 BG			
MW-21		830	WATER	40mL	VIAL	4	1:1 HCL	Good			
MW-21		830	WATER	250mL	PLASTIC	1	None				
MW-16		915	WATER	1L	AMBER	2	None				
MW-16		915	WATER	40mL	VIAL	4	1:1 HCL				
MW-20		915	WATER	250mL	PLASTIC	1	None				
MW-20		945	WATER	1L	AMBER	2	None				
MW-20		945	WATER	40mL	VIAL	4	1:1 HCL				
MW-20	1-26-05	945	WATER	250mL	PLASTIC	1	None				
MW-20			WATER	1L	AMBER	2	None				
MW-20			WATER	40mL	VIAL	4	1:1 HCL				
MW-20			WATER	250mL	PLASTIC	1	None				
MW-20			WATER	1L	AMBER	2	None				
MW-20			WATER	40mL	VIAL	4	1:1 HCL				
MW-20			WATER	250mL	PLASTIC	1	None				
MW-20			WATER	1L	AMBER	2	None				
MW-20			WATER	40mL	VIAL	4	1:1 HCL				
MW-20			WATER	250mL	PLASTIC	1	None				
TRUE BLANK 1	1-27-05	1130	WATER	40mL	NQA	1	HCl				

Special Instructions
TPN-GR0 & DR0, 3021 BPEX, 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 _____		Project Specific Requirements (Specify) _____ QC Level _____		

Project Specific Requirements (Specify)

1. Relinquished By	Date	Time	1/19/05	1030	1/19/05	1030
2. Relinquished By	Date	Time	1/27/05	1135	1/27/05	0800
3. Relinquished By	Date	Time				

Comments

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

44118

SEVERN
TRENT

Sewern Trent Laboratories, Inc.

Chain of Custody
Record

CHAIN OF CUSTODY NUMBER

30012148-002

STL4149 (1202)

Client	Project Manager	Date	Page
Maxin Technologies	Greg Pope	01/18/2005	2 of 5
Address	Telephone Number (Area Code)/Fax Number	Lab Location	Analysis
1703 W Industrial Ave	(432) 686-8081 / (000)	STL Austin	
City	State	Zip Code	
Midland	TX	79701	
Project Number/Name	Site Contact		
3373 E Hobbs Jet Remediation	Greg Pope		
Contract/Purchase Order/Quote Number	Carrier/Voybill Number		
CONTRACT / PURCHASE ORDER # : 3373MAX000	FEDEX		

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers	Preservative	Condition on Receipt/Comments	Analysis
MW-17	1-26-05	1015	WATER	1L	AMBER	2 NONE	2. 1/22/05 PA	6 T Y C
MW-17	1-26-05	1015	WATER	400L	VIAL	4 1:1 HCL	(600)	6 T Y C
MW-17	1-26-05	1015	WATER	2500L	PLASTIC	1 NONE		6 T Y C
MW-25	1-26-05	1045	WATER	1L	AMBER	2 NONE		6 T Y C
MW-25	1-26-05	1045	WATER	400L	VIAL	4 1:1 HCL		6 T Y C
MW-25	1-26-05	1045	WATER	2500L	PLASTIC	1 NONE		6 T Y C
MW-24	1-26-05	1115	WATER	1L	AMBER	2 NONE		6 T Y C
MW-24	1-26-05	1115	WATER	400L	VIAL	4 1:1 HCL		6 T Y C
MW-24	1-26-05	1115	WATER	2500L	PLASTIC	1 NONE		6 T Y C
MW-23	1-26-05	1135	WATER	1L	AMBER	2 NONE		6 T Y C
MW-23	1-26-05	1135	WATER	400L	VIAL	4 1:1 HCL		6 T Y C
MW-23	1-26-05	1135	WATER	2500L	PLASTIC	1 NONE		6 T Y C
TRIP BLANK Z	1-27-05	1145	WATER	400L	VIAL	4 1:1 HCL		6 T Y C
TPH-620 & DR0, 8021 BYEH, chloride								6 T Y C

Possible Hazard Identification	Sample Disposal	Project Specific Requirements (Specify)
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Other	☒ Disposal By Lab ☐ Return To Client	☐ Archive For _____ Months ☐ Project Specific Requirements (Specify)
Turn Around Time Required ☒ Normal ☐ Rush ☐ Other	QC Log ☒ I ☐ II ☐ III	
1. Relinquished By Date: 1-18-05 Time: 1100 Signature: [Signature]	2. Received By Date: 1-27-05 Time: 1150 Signature: Bill Jones	3. Received By Date: 1-19-05 Time: 1030 Signature: [Signature]
Comments		

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

Chain of Custody Record

STL4149 (1202)

CHAIN OF CUSTODY NUMBER

90012148-004

SEVERN
TRENT

Severn Trent Laboratories, Inc.

44120

Client

Maxim Technologies
Address

1703 W Industrial Ave

City State Zip Code

Midland TX 79701

Project Number/Name

3373 E Hobbs Jet Remediation
Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : 3373NA1008

Project Manager

Greg Pope

Telephone Number (Area Code)/Fax Number

(432) 686-8881 / (000)

Site Contact

Greg Pope

Carrier/Waybill Number

FEDEX

Date

01/18/2005

Lab Location

STL Austin

Page 4 of 6

Analysis

QUOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume Type No.	Preservative	Condition on Receipt/Comments	Analysis
MW-18	1-26-05	1515	WATER	1L AMBER 2	None	2nd/27/1-2-805	GT I
MW-18	1-26-05	1515	WATER	400L VIAL 4	1.1 HCL	GOOD	GT I
MW-18	1-26-05	1515	WATER	2500L PLASTIC 1	None		GT I
MW-4	1-26-05	1540	WATER	1L AMBER 2	None		GT I
MW-4	1-26-05	1540	WATER	400L VIAL 4	1.1 HCL		GT I
MW-4	1-26-05	1540	WATER	2500L PLASTIC 1	None		GT I
MW-5	1-26-05	1615	WATER	1L AMBER 2	None		GT I
MW-5	1-26-05	1615	WATER	400L VIAL 4	1.1 HCL		GT I
MW-5	1-26-05	1615	WATER	2500L PLASTIC 1	None		GT I
MW-5D	1-26-05	1625	WATER	1L AMBER 2	None		GT I
MW-5D	1-26-05	1625	WATER	400L VIAL 4	1.1 HCL		GT I
MW-5D	1-26-05	1625	WATER	2500L PLASTIC 1	None		GT I
TRIP BLANK 4	1-27-05	1210	WATER	400L VIAL 1	1.1 HCL		GT I

Special Instructions TPE-820 & DR0, 8021 BTEX, chloride

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
 Turn Around Time Required
☒ Normal ☐ Rush ☐ Other
 Date 1-18-05 1400
 Date 1-27-05 1215
 Date 1-19-05 1030
 Date 1/28/05 0800

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
 Project Specific Requirements (Specify)
 1. Relinquished By _____ Date 1-18-05 1400
 2. Relinquished By _____ Date 1-27-05 1215
 3. Relinquished By _____ Date 1-19-05 1030
 Date 1/28/05 0800

Comments

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

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
#0012140-005

**SEVERN
TRENT** **STL** 44121
Severn Trent Laboratories, Inc.

STL4149 (1202)

Client		Project Manager		Date		Page 5 of 5	
Maxin Technologies		Greg Pope		01/18/2005			
Address		Telephone Number (Area Code)/Fax Number		Lab Location			
1703 W Industrial Ave		(432) 696-8081 / (000)		STL Austin			
City	State	Zip Code	Site Contact				
Midland	TX	79701	Greg Pope				
Project Number/Name		Carrier/Vehicle Number					
3373 E Hobbs Jet Remediation		FedEx					
Contract/Purchase Order/Quote Number		CONTRACT / PURCHASE ORDER # 3373MAX008					

QUOTE: 35401

Sample I.D. Number and Description	Date	Time	Sample Type	Containers			Preservative	Condition on Receipt/Comments	1	2
				Volume	Type	No.				
TRIP BLANK #5 GWP	1-27-05	915	WATER	400L	VIAL	2A	1:1 HCL	2 nd / 27/1-28-05	1	0
MWJ-12		930		1L	AMBER	2	None	Good		X
MWJ-12		930		40mL	VOA	4	HCl		XX	
MWJ-12		930		250mL	POLY	1	None			X
DUPLICATE		945		1L	AMBER	2	None			X
DUPLICATE		945		40mL	VOA	4	HCl		XX	
DUPLICATE		945		250mL	POLY	1	None			X
SVE-10		1005		1L	AMBER	2	None			X
SVE-10		1005		40mL	VOA	4	HCl		XX	
SVE-10	1-27-05	1005	WATER	250mL	POLY	1	None			X

Special Instructions TPE-620 & DRO, 8021 BTEX, chloride

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 3 months)	
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Archive For _____ Months
Turn Around Time Required		Project Specific Requirements (Specify)			
☒ Normal	☐ Rush	QC Level			
1. Relinquished By		Date		Time	
1-19-05		1000		1-19-05 1030	
2. Relinquished By		Date		Time	
1-27-05		1220		1-27-05 0800	
3. Relinquished By		Date		Time	

Comments

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

**STL****Certificate of Analysis**

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

ANALYTICAL REPORT

PROJECT NO. MIDLAND, TX

3373 E HOBBS JCT INVESTIGATION

Lot #: I3L190216

Greg Pope

**Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701**

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Carla Butler".

**Carla M. Butler
Project Manager**

January 12, 2004

**American Council of Independent Laboratories
International Association of Environmental Testing Laboratories**

Case Narrative**STL LOT NUMBER: I3L190216**

This report contains the analytical results for the 14 samples received under chain of custody by Severn Trent Laboratories (STL) on December 19, 2003. These samples are associated with your 3373 E HOBBS JCT INVESTIGATION 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.

Affected Samples:

I3L190216 (1):

I3L190216 (2):

I3L190216 (3):

I3L190216 (4):

Affected Methods:

8015B, 8021B

Details:

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

EXECUTIVE SUMMARY - Detection Highlights

I3L190216

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MTW-1 GW 12/18/03 10:30 001				
Diesel Range Organics	0.42	0.048	mg/L	SW846 8015B
Chloride	146	50.0	mg/L	MCAWW 300.0A
MTW-2 GW 12/18/03 11:00 002				
Diesel Range Organics	0.60	0.048	mg/L	SW846 8015B
Gasoline Range Organics	0.26	0.10	mg/L	SW846 8015B
Benzene	40	1.0	ug/L	SW846 8021B
Ethylbenzene	6.0	1.0	ug/L	SW846 8021B
Toluene	11	1.0	ug/L	SW846 8021B
Xylenes (total)	6.2	3.0	ug/L	SW846 8021B
Chloride	155	50.0	mg/L	MCAWW 300.0A
MTW-3 GW 12/18/03 11:35 003				
Diesel Range Organics	0.26	0.048	mg/L	SW846 8015B
Ethylbenzene	5.5	1.0	ug/L	SW846 8021B
Toluene	1.8	1.0	ug/L	SW846 8021B
Xylenes (total)	5.5	3.0	ug/L	SW846 8021B
Chloride	114	50.0	mg/L	MCAWW 300.0A
MTW-4 GW 12/18/03 12:00 004				
Diesel Range Organics	0.14	0.048	mg/L	SW846 8015B
Chloride	110	50.0	mg/L	MCAWW 300.0A
MTW-1 0-5' 12/17/03 09:15 005				
Gasoline Range Organics	110	97	ug/kg	SW846 8015B
Chloride	1380	498	mg/kg	MCAWW 300.0A
MTW-1 10-15' 12/17/03 09:30 006				
Chloride	1020	499	mg/kg	MCAWW 300.0A
MTW-2 5-10' 12/17/03 10:15 007				
Chloride	2080	497	mg/kg	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I3L190216

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MTW-2 10-15' 12/17/03 10:30 008				
Diesel Range Organics	16000	1700	ug/kg	SW846 8015B
Chloride	724	498	mg/kg	MCAWW 300.0A
MTW-3 5-10' 12/17/03 11:00 009				
Chloride	1130	500	mg/kg	MCAWW 300.0A
MTW-3 20-25' 12/17/03 11:15 010				
Diesel Range Organics	240000	1700	ug/kg	SW846 8015B
Gasoline Range Organics	320	99	ug/kg	SW846 8015B

ANALYTICAL METHODS SUMMARY

I3L190216

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	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

I3L190216

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Beth Driskill	008945
SW846 8015B	Ellen Grett	014902
SW846 8015B	Joe Lanham	000039
SW846 8021B	Beth Driskill	008945
SW846 8021B	Joe Lanham	000039

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

I3L190216

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F64DV	001	MTW-1 GW	12/18/03	10:30
F64D1	002	MTW-2 GW	12/18/03	11:00
F64D3	003	MTW-3 GW	12/18/03	11:35
F64D4	004	MTW-4 GW	12/18/03	12:00
F64D6	005	MTW-1 0-5'	12/17/03	09:15
F64EH	006	MTW-1 10-15'	12/17/03	09:30
F64EK	007	MTW-2 5-10'	12/17/03	10:15
F64EN	008	MTW-2 10-15'	12/17/03	10:30
F64ET	009	MTW-3 5-10'	12/17/03	11:00
F64EV	010	MTW-3 20-25'	12/17/03	11:15
F64EX	011	MTW-4 5-10'	12/17/03	11:45
F64E3	012	MTW-4 15-20'	12/17/03	12:00
F64E6	013	TRIP BLANK 1	12/17/03	16:30
F64E9	014	TRIP BLANK 2	12/18/03	16:30

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

I3L190216

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		3358107	3358018
	WATER	SW846 8015B		3356444	3356211
	WATER	SW846 8015B		3364267	3364117
	WATER	SW846 8021B		3364266	3364116
002	WATER	MCAWW 300.0A		3358107	3358018
	WATER	SW846 8015B		3356444	3356211
	WATER	SW846 8015B		3364267	3364117
	WATER	SW846 8021B		3364266	3364116
003	WATER	MCAWW 300.0A		3358107	3358018
	WATER	SW846 8015B		3356444	3356211
	WATER	SW846 8015B		3364267	3364117
	WATER	SW846 8021B		3364266	3364116
004	WATER	MCAWW 300.0A		3358107	3358018
	WATER	SW846 8015B		3356444	3356211
	WATER	SW846 8015B		3364267	3364117
	WATER	SW846 8021B		3364266	3364116
005	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364256	3364110
	SOLID	SW846 8021B		3364264	3364114
006	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364437	3364199
	SOLID	SW846 8021B		3364409	3364188
007	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364256	3364110
	SOLID	SW846 8021B		3364264	3364114
008	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364256	3364110
	SOLID	SW846 8021B		3364264	3364114
009	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364256	3364110

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I3L190216

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
009	SOLID	SW846 8021B		3364264	3364114
010	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364437	3364199
	SOLID	SW846 8021B		3364409	3364188
011	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364256	3364110
	SOLID	SW846 8021B		3364264	3364114
012	SOLID	MCAWW 300.0A		3358119	3358021
	SOLID	SW846 8015B		3360216	3360080
	SOLID	SW846 8015B		3364256	3364110
	SOLID	SW846 8021B		3364264	3364114
013	WATER	SW846 8015B		3364267	3364117
	WATER	SW846 8021B		3364266	3364116
014	WATER	SW846 8015B		3364267	3364117
	WATER	SW846 8021B		3364266	3364116

CONOCOPHILLIPS

Client Sample ID: MTW-1 GW

GC Volatiles

Lot-Sample #....: I3L190216-001 Work Order #....: F64DV1AA Matrix.....: WATER
Date Sampled....: 12/18/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364267
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	100	(81 - 123)

CONOCOPHILLIPS

Client Sample ID: MTW-1 GW

GC Volatiles

Lot-Sample #....: I3L190216-001 Work Order #....: F64DV1AD Matrix.....: WATER
Date Sampled....: 12/18/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364266
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	100	(84 - 114)

CONOCOPHILLIPS

Client Sample ID: MTW-1 GW

GC Semivolatiles

Lot-Sample #....: I3L190216-001 Work Order #....: F64DV1AC Matrix.....: WATER
Date Sampled....: 12/18/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/22/03 Analysis Date...: 12/30/03
Prep Batch #....: 3356444
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.42	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	115	(28 - 131)
Dotriacontane	119	(37 - 139)

CONOCOPHILLIPS

Client Sample ID: MTW-1 GW

General Chemistry

Lot-Sample #...: I3L190216-001 Work Order #...: F64DV
Date Sampled...: 12/18/03 10:30 Date Received...: 12/19/03

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	146	50.0	mg/L	MCAWW 300.0A	12/23/03	3358107

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MTW-2 GW

GC Volatiles

Lot-Sample #...: I3L190216-002 Work Order #...: F64D11AA Matrix.....: WATER
Date Sampled...: 12/18/03 11:00 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #...: 3364267
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.26	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	104	(81 - 123)

CONOCOPHILLIPS

Client Sample ID: MTW-2 GW

GC Volatiles

Lot-Sample #...: I3L190216-002 Work Order #...: F64D11AD Matrix.....: WATER
Date Sampled...: 12/18/03 11:00 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #...: 3364266
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	40	1.0	ug/L
Ethylbenzene	6.0	1.0	ug/L
Toluene	11	1.0	ug/L
Xylenes (total)	6.2	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	87	(84 - 114)

CONOCOPHILLIPS

Client Sample ID: MTW-2 GW

GC Semivolatiles

Lot-Sample #...: I3L190216-002 Work Order #...: F64D11AC Matrix.....: WATER
Date Sampled...: 12/18/03 11:00 Date Received...: 12/19/03
Prep Date.....: 12/22/03 Analysis Date...: 12/30/03
Prep Batch #...: 3356444
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.60	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	121	(28 - 131)
Dotriacontane	122	(37 - 139)

CONOCOPHILLIPS

Client Sample ID: MTW-2 GW

General Chemistry

Lot-Sample #...: I3L190216-002 Work Order #...: F64D1 Matrix.....: WATER
Date Sampled...: 12/18/03 11:00 Date Received...: 12/19/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	155	50.0	mg/L	MCAWW 300.0A	12/23/03	3358107

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MTW-3 GW

GC Volatiles

Lot-Sample #....: I3L190216-003 Work Order #....: F64D31AA Matrix.....: WATER
Date Sampled....: 12/18/03 11:35 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364267
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	101	(81 - 123)

CONOCOPHILLIPS

Client Sample ID: MTW-3 GW

GC Volatiles

Lot-Sample #....: I3L190216-003 Work Order #....: F64D31AD Matrix.....: WATER
Date Sampled....: 12/18/03 11:35 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364266
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	5.5	1.0	ug/L
Toluene	1.8	1.0	ug/L
Xylenes (total)	5.5	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	112	(84 - 114)

CONOCOPHILLIPS

Client Sample ID: MTW-3 GW

GC Semivolatiles

Lot-Sample #....: I3L190216-003 Work Order #....: F64D31AC Matrix.....: WATER
Date Sampled....: 12/18/03 11:35 Date Received...: 12/19/03
Prep Date.....: 12/22/03 Analysis Date...: 12/30/03
Prep Batch #....: 3356444
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.26	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	115	(28 - 131)
Dotriacontane	116	(37 - 139)

CONOCOPHILLIPS

Client Sample ID: MTW-3 GW

General Chemistry

Lot-Sample #...: I3L190216-003

Work Order #...: F64D3

Matrix.....: WATER

Date Sampled...: 12/18/03 11:35

Date Received...: 12/19/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	114	50.0	mg/L	MCAWW 300.0A	12/23/03	3358107

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MTW-4 GW

GC Volatiles

Lot-Sample #....: I3L190216-004 Work Order #....: F64D41AA Matrix.....: WATER
Date Sampled....: 12/18/03 12:00 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364267
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(81 - 123)

CONOCOPHILLIPS

Client Sample ID: MTW-4 GW

GC Volatiles

Lot-Sample #....: I3L190216-004 Work Order #....: F64D41AD Matrix.....: WATER
Date Sampled....: 12/18/03 12:00 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364266
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	98	(84 - 114)

CONOCOPHILLIPS

Client Sample ID: MTW-4 GW

GC Semivolatiles

Lot-Sample #....: I3L190216-004 Work Order #....: F64D41AC Matrix.....: WATER
Date Sampled....: 12/18/03 12:00 Date Received...: 12/19/03
Prep Date.....: 12/22/03 Analysis Date...: 12/30/03
Prep Batch #....: 3356444
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.14	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	107	(28 - 131)
Dotriacontane	93	(37 - 139)

CONOCOPHILLIPS

Client Sample ID: MTW-4 GW

General Chemistry

Lot-Sample #....: I3L190216-004 Work Order #....: F64D4
Date Sampled....: 12/18/03 12:00 Date Received...: 12/19/03

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	110	50.0	mg/L	MCAWW 300.0A	12/23/03	3358107

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MTW-1 0-5'

GC Volatiles

Lot-Sample #....: I3L190216-005 Work Order #....: F64D61AA Matrix.....: SOLID
Date Sampled....: 12/17/03 09:15 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	110	97	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MTW-1 0-5'

GC Volatiles

Lot-Sample #....: I3L190216-005 Work Order #....: F64D61AE Matrix.....: SOLID
Date Sampled....: 12/17/03 09:15 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364264
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.8	ug/kg
Ethylbenzene	ND	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	ND	4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	96	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-1 0-5'

GC Semivolatiles

Lot-Sample #....: I3L190216-005 Work Order #....: F64D61AC Matrix.....: SOLID
Date Sampled....: 12/17/03 09:15 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	82	(40 - 144)
Dotriacontane	102	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-1 0-5'

General Chemistry

Lot-Sample #....: I3L190216-005

Work Order #....: F64D6

Matrix.....: SOLID

Date Sampled....: 12/17/03 09:15

Date Received...: 12/19/03

% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	1380	498	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 49.8

CONOCOPHILLIPS

Client Sample ID: MTW-1 10-15'

GC Volatiles

Lot-Sample #....: I3L190216-006 Work Order #....: F64EH1AA Matrix.....: SOLID
Date Sampled....: 12/17/03 09:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364437
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	93	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MTW-1 10-15'

GC Volatiles

Lot-Sample #....: I3L190216-006 Work Order #....: F64EH1AE Matrix.....: SOLID
Date Sampled....: 12/17/03 09:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364409
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	113	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-1 10-15'

GC Semivolatiles

Lot-Sample #....: I3L190216-006 Work Order #....: F64EH1AC Matrix.....: SOLID
Date Sampled....: 12/17/03 09:30 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	81	(40 - 144)
Dotriacontane	45	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-1 10-15'

General Chemistry

Lot-Sample #....: I3L190216-006 Work Order #....: F64EH Matrix.....: SOLID
Date Sampled....: 12/17/03 09:30 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	1020	499	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 49.9

CONOCOPHILLIPS

Client Sample ID: MTW-2 5-10'

GC Volatiles

Lot-Sample #....: I3L190216-007 Work Order #....: F64EK1AA Matrix.....: SOLID
Date Sampled...: 12/17/03 10:15 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 1.01
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	78	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MTW-2 5-10'

GC Volatiles

Lot-Sample #....: I3L190216-007 Work Order #....: F64EK1AE Matrix.....: SOLID
 Date Sampled....: 12/17/03 10:15 Date Received...: 12/19/03
 Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
 Prep Batch #....: 3364264
 Dilution Factor: 1.01
 % Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	92	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	96	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-2 5-10'

GC Semivolatiles

Lot-Sample #....: I3L190216-007 Work Order #....: F64EK1AC Matrix.....: SOLID
Date Sampled....: 12/17/03 10:15 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	84	(40 - 144)
Dotriacontane	91	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-2 5-10'

General Chemistry

Lot-Sample #...: I3L190216-007 Work Order #...: F64EK Matrix.....: SOLID
Date Sampled...: 12/17/03 10:15 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	2080	497	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 49.7

CONOCOPHILLIPS

Client Sample ID: MTW-2 10-15'

GC Volatiles

Lot-Sample #....: I3L190216-008 Work Order #....: F64EN1AA Matrix.....: SOLID
Date Sampled....: 12/17/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	97	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MTW-2 10-15'

GC Volatiles

Lot-Sample #....: I3L190216-008 Work Order #....: F64EN1AE Matrix.....: SOLID
Date Sampled...: 12/17/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364264
Dilution Factor: 0.97
* Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.8	ug/kg
Ethylbenzene	ND	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	ND	4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	94	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-2 10-15'

GC Semivolatiles

Lot-Sample #....: I3L190216-008 Work Order #....: F64EN1AC Matrix.....: SOLID
Date Sampled....: 12/17/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	16000	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	85	(40 - 144)
Dotriacontane	169 *	(42 - 159)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

METHOD REQUIRES ONLY ONE SURROGATE TO PASS

SURROGATE HIGH DUE TO MATRIX

CONOCOPHILLIPS

Client Sample ID: MTW-2 10-15'

General Chemistry

Lot-Sample #....: I3L190216-008 Work Order #....: F64EN Matrix.....: SOLID
Date Sampled....: 12/17/03 10:30 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	724	498	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 49.8

CONOCOPHILLIPS

Client Sample ID: MTW-3 5-10'

GC Volatiles

Lot-Sample #....: I3L190216-009 Work Order #....: F64ET1AA Matrix.....: SOLID
Date Sampled....: 12/17/03 11:00 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	99	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MTW-3 5-10'

GC Volatiles

Lot-Sample #....: I3L190216-009 Work Order #....: F64ET1AE Matrix.....: SOLID
Date Sampled....: 12/17/03 11:00 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364264
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	92	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-3 5-10'

GC Semivolatiles

Lot-Sample #....: I3L190216-009 Work Order #....: F64ET1AC Matrix.....: SOLID
Date Sampled....: 12/17/03 11:00 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	82	(40 - 144)
Dotriacontane	87	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-3 5-10'

General Chemistry

Lot-Sample #....: I3L190216-009 Work Order #....: F64ET Matrix.....: SOLID
Date Sampled....: 12/17/03 11:00 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	1130	500	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 50

CONOCOPHILLIPS

Client Sample ID: MTW-3 20-25'

GC Volatiles

Lot-Sample #...: I3L190216-010 Work Order #...: F64EV1AA Matrix.....: SOLID
Date Sampled...: 12/17/03 11:15 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #...: 3364437
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	320	99	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	58	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MIW-3 20-25'

GC Volatiles

Lot-Sample #....: I3L190216-010 Work Order #....: F64EV1AE Matrix.....: SOLID
Date Sampled....: 12/17/03 11:15 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364409
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	108	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	113	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-3 20-25'

GC Semivolatiles

Lot-Sample #....: I3L190216-010 Work Order #....: F64EV1AC Matrix.....: SOLID
Date Sampled....: 12/17/03 11:15 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	240000	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	116	(40 - 144)
Dotriacontane	108	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-3 20-25'

General Chemistry

Lot-Sample #...: I3L190216-010 Work Order #...: F64EV Matrix.....: SOLID
Date Sampled...: 12/17/03 11:15 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	ND	49.6	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 4.96

CONOCOPHILLIPS

Client Sample ID: MTW-4 5-10'

GC Volatiles

Lot-Sample #....: I3L190216-011 Work Order #....: F64EX1AA Matrix.....: SOLID
Date Sampled...: 12/17/03 11:45 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	105	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MIW-4 5-10'

GC Volatiles

Lot-Sample #....: I3L190216-011 Work Order #....: F64EX1AE Matrix.....: SOLID
Date Sampled....: 12/17/03 11:45 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364264
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	93	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MIW-4 5-10'

GC Semivolatiles

Lot-Sample #....: I3L190216-011 Work Order #....: F64EX1AC Matrix.....: SOLID
Date Sampled....: 12/17/03 11:45 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	73	(40 - 144)
Dotriacontane	80	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-4 5-10'

General Chemistry

Lot-Sample #...: I3L190216-011 Work Order #...: F64EX Matrix.....: SOLID
Date Sampled...: 12/17/03 11:45 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	ND	50.0	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 5

CONOCOPHILLIPS

Client Sample ID: MTW-4 15-20'

GC Volatiles

Lot-Sample #....: I3L190216-012 Work Order #....: F64E31AA Matrix.....: SOLID
Date Sampled....: 12/17/03 12:00 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	99	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	104	(49 - 147)

CONOCOPHILLIPS

Client Sample ID: MTW-4 15-20'

GC Volatiles

Lot-Sample #....: I3L190216-012 Work Order #....: F64E31AE Matrix.....: SOLID
Date Sampled....: 12/17/03 12:00 Date Received...: 12/19/03
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364264
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	92	(67 - 125)

CONOCOPHILLIPS

Client Sample ID: MTW-4 15-20'

GC Semivolatiles

Lot-Sample #....: I3L190216-012 Work Order #....: F64E31AC Matrix.....: SOLID
Date Sampled....: 12/17/03 12:00 Date Received...: 12/19/03
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	1700	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	87	(40 - 144)
Dotriacontane	89	(42 - 159)

CONOCOPHILLIPS

Client Sample ID: MTW-4 15-20'

General Chemistry

Lot-Sample #....: I3L190216-012 Work Order #....: F64E3 Matrix.....: SOLID
Date Sampled....: 12/17/03 12:00 Date Received...: 12/19/03
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	ND	49.9	mg/kg	MCAWW 300.0A	12/24/03	3358119

Dilution Factor: 4.99

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I3L190216-013 Work Order #....: F64E61AA Matrix.....: WATER
Date Sampled....: 12/17/03 16:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364267
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(81 - 123)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 1

GC Volatiles

Lot-Sample #....: I3L190216-013 Work Order #....: F64E61AC Matrix.....: WATER
Date Sampled....: 12/17/03 16:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364266
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	97	(84 - 114)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I3L190216-014 Work Order #....: F64E91AA Matrix.....: WATER
Date Sampled....: 12/18/03 16:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364267
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(81 - 123)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK 2

GC Volatiles

Lot-Sample #....: I3L190216-014 Work Order #....: F64E91AC Matrix.....: WATER
Date Sampled....: 12/18/03 16:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364266
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	96	(84 - 114)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I3L190216
MB Lot-Sample #: I3L300000-256

Work Order #...: F7E8L1AA

Matrix.....: SOLID

Analysis Date...: 12/23/03
Dilution Factor: 1

Prep Date.....: 12/23/03

Prep Batch #...: 3364256

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	100	ug/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	105	(49 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I3L190216
MB Lot-Sample #: I3L300000-267

Work Order #....: F7E9X1AA

Matrix.....: WATER

Analysis Date...: 12/29/03
Dilution Factor: 1

Prep Date.....: 12/29/03
Prep Batch #....: 3364267

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	96	(81 - 123)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I3L190216
MB Lot-Sample #: I3L300000-437

Work Order #...: F7F1K1AA

Matrix.....: SOLID

Analysis Date...: 12/29/03
Dilution Factor: 1

Prep Date.....: 12/29/03

Prep Batch #...: 3364437

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	100	ug/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	100	(49 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I3L190216
MB Lot-Sample #: I3L300000-264

Work Order #...: F7E9D1AA

Matrix.....: SOLID

Analysis Date...: 12/23/03
Dilution Factor: 1

Prep Date.....: 12/23/03
Prep Batch #...: 3364264

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	5.0	ug/kg	SW846 8021B
Ethylbenzene	ND	5.0	ug/kg	SW846 8021B
Toluene	ND	5.0	ug/kg	SW846 8021B
Xylenes (total)	ND	5.0	ug/kg	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(71 - 133)
a, a, a-Trifluorotoluene (TFT)	94	(67 - 125)

NOTE (S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I3L190216
MB Lot-Sample #: I3L300000-266

Work Order #....: F7E9G1AA

Matrix.....: WATER

Analysis Date...: 12/29/03

Prep Date.....: 12/29/03

Dilution Factor: 1

Prep Batch #....: 3364266

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	96	(84 - 114)

NOTE (S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I3L190216
MB Lot-Sample #: I3L300000-409

Work Order #...: F7FXQ1AA

Matrix.....: SOLID

Analysis Date...: 12/29/03

Prep Date.....: 12/29/03

Dilution Factor: 1

Prep Batch #...: 3364409

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	5.0	ug/kg	SW846 8021B
Ethylbenzene	ND	5.0	ug/kg	SW846 8021B
Toluene	ND	5.0	ug/kg	SW846 8021B
Xylenes (total)	ND	5.0	ug/kg	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	113	(67 - 125)

NOTE(S) :

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: I3L190216
MB Lot-Sample #: I3L220000-444

Work Order #....: F68A71AA

Matrix.....: WATER

Analysis Date...: 12/30/03
Dilution Factor: 1

Prep Date.....: 12/22/03
Prep Batch #....: 3356444

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	105	(28 - 131)
Dotriacontane	95	(37 - 139)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I3L190216
MB Lot-Sample #: I3L260000-216

Work Order #...: F7CJ91AA

Matrix.....: SOLID

Analysis Date...: 12/30/03
Dilution Factor: 1

Prep Date.....: 12/26/03

Prep Batch #...: 3360216

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Diesel Range Organics	ND	1700	ug/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	72	(40 - 144)
Dotriacontane	42	(42 - 159)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I3L190216

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Chloride	ND	Work Order #: F7A841AA		MB Lot-Sample #: I3L240000-107		
		1.0	mg/L	MCAWW 300.0A	12/23/03	3358107
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I3L190216

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: F7A9Q1AA 10.0	mg/kg	MB Lot-Sample #: I3L240000-119 MCAWW 300.0A	12/24/03	3358119
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I3L190216 Work Order #....: F7E8L1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: I3L300000-256 F7E8L1AD-LCSD
Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
Prep Batch #....: 3364256
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	98	(66 - 129)			SW846 8015B
	95	(66 - 129)	2.6	(0-30)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	113	(49 - 147)
	101	(49 - 147)

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 #...: I3L190216 Work Order #...: F7E9X1AC Matrix.....: WATER
LCS Lot-Sample#: I3L300000-267
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #...: 3364267
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	98	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(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 #....: I3L190216 Work Order #....: F7F1K1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: I3L300000-437 F7F1K1AD-LCSD
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364437
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	96	(66 - 129)			SW846 8015B
	104	(66 - 129)	7.7	(0-30)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(49 - 147)
	85	(49 - 147)

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 #....: I3L190216 Work Order #....: F7E9D1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: I3L300000-264 F7E9D1AD-LCSD
 Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
 Prep Batch #....: 3364264
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	124	(73 - 128)			SW846 8021B
	121	(73 - 128)	2.0	(0-30)	SW846 8021B
Methyl tert-butyl ether	108	(70 - 141)			SW846 8021B
	106	(70 - 141)	1.8	(0-24)	SW846 8021B
Ethylbenzene	123	(73 - 136)			SW846 8021B
	121	(73 - 136)	1.8	(0-30)	SW846 8021B
Toluene	116	(71 - 129)			SW846 8021B
	113	(71 - 129)	2.3	(0-30)	SW846 8021B
Xylenes (total)	119	(74 - 130)			SW846 8021B
	117	(74 - 130)	1.8	(0-30)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(71 - 133)
	100	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	98	(67 - 125)
	99	(67 - 125)

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 #....: I3L190216 Work Order #....: F7E9G1AC Matrix.....: WATER
LCS Lot-Sample#: I3L300000-266
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #....: 3364266
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	100	(85 - 115)	SW846 8021B
Ethylbenzene	104	(85 - 115)	SW846 8021B
Toluene	98	(85 - 115)	SW846 8021B
Xylenes (total)	100	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	100	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	100	(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 #...: I3L190216 Work Order #...: F7FXQ1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: I3L300000-409 F7FXQ1AD-LCSD
 Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
 Prep Batch #...: 3364409
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	104	(73 - 128)			SW846 8021B
	99	(73 - 128)	5.2	(0-30)	SW846 8021B
Methyl tert-butyl ether	82	(70 - 141)			SW846 8021B
	82	(70 - 141)	0.23	(0-24)	SW846 8021B
Ethylbenzene	111	(73 - 136)			SW846 8021B
	102	(73 - 136)	8.0	(0-30)	SW846 8021B
Toluene	101	(71 - 129)			SW846 8021B
	100	(71 - 129)	1.8	(0-30)	SW846 8021B
Xylenes (total)	104	(74 - 130)			SW846 8021B
	96	(74 - 130)	8.2	(0-30)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(71 - 133)
	93	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	115	(67 - 125)
	110	(67 - 125)

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 #....: I3L190216 Work Order #....: F68A71AC Matrix.....: WATER
LCS Lot-Sample#: I3L220000-444
Prep Date.....: 12/22/03 Analysis Date...: 12/30/03
Prep Batch #....: 3356444
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	95	(51 - 127)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	113	(28 - 131)
Dotriacontane	74	(37 - 139)

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 #....: I3L190216 Work Order #....: F7CJ91AC Matrix.....: SOLID
LCS Lot-Sample#: I3L260000-216
Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
Prep Batch #....: 3360216
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	67	(38 - 139)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	98	(40 - 144)
Dotriacontane	79	(42 - 159)

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 #...: I3L190216

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	91	Work Order #: F7A841AC LCS Lot-Sample#: I3L240000-107 (85 - 106)	MCAWW 300.0A	12/23/03	3358107
		Dilution Factor: 1			

NOTE (S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I3L190216

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	99	Work Order #: F7A9Q1AC LCS Lot-Sample#: I3L240000-119 (80 - 120)	MCAWW 300.0A	12/24/03	3358119
		Dilution Factor: 1			

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I3L190216 Work Order #....: F6Q0V1AP-MS Matrix.....: SOLID
 MS Lot-Sample #: I3L160169-003 F6Q0V1AQ-MSD
 Date Sampled....: 12/15/03 10:31 Date Received...: 12/16/03
 Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
 Prep Batch #....: 3364256
 Dilution Factor: 1.01 % Moisture.....: 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	236 a, MSC	(66 - 129)			SW846 8015B
	109	(66 - 129)	29	(0-30)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	213 *	(49 - 147)
	186 *	(49 - 147)

NOTE (S) :

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I3L190216 Work Order #...: F64DV1AH-MS Matrix.....: WATER
MS Lot-Sample #: I3L190216-001 F64DV1AJ-MSD
Date Sampled...: 12/18/03 10:30 Date Received...: 12/19/03
Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
Prep Batch #...: 3364267
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	90	(79 - 124)			SW846 8015B
	92	(79 - 124)	1.7	(0-30)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	101	(81 - 123)
	102	(81 - 123)

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 #....: I3L190216 Work Order #....: F64EH1AH-MS Matrix.....: SOLID
 MS Lot-Sample #: I3L190216-006 F64EH1AJ-MSD
 Date Sampled....: 12/17/03 09:30 Date Received...: 12/19/03
 Prep Date.....: 12/29/03 Analysis Date...: 12/30/03
 Prep Batch #....: 3364437
 Dilution Factor: 1 % Moisture.....:

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	95	(66 - 129)			SW846 8015B
	91	(66 - 129)	7.7	(0-30)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	93	(49 - 147)
	87	(49 - 147)

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 #....: I3L190216 Work Order #....: F64D61AK-MS Matrix.....: SOLID
 MS Lot-Sample #: I3L190216-005 F64D61AL-MSD
 Date Sampled....: 12/17/03 09:15 Date Received...: 12/19/03
 Prep Date.....: 12/23/03 Analysis Date...: 12/23/03
 Prep Batch #....: 3364264
 Dilution Factor: 1 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	114	(73 - 128)			SW846 8021B
	111	(73 - 128)	6.6	(0-30)	SW846 8021B
Methyl tert-butyl ether	97	(70 - 141)			SW846 8021B
	92	(70 - 141)	7.6	(0-24)	SW846 8021B
Ethylbenzene	118	(73 - 136)			SW846 8021B
	113	(73 - 136)	7.7	(0-30)	SW846 8021B
Toluene	103	(71 - 129)			SW846 8021B
	97	(71 - 129)	8.8	(0-30)	SW846 8021B
Xylenes (total)	115	(74 - 130)			SW846 8021B
	112	(74 - 130)	6.7	(0-30)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(71 - 133)
	102	(71 - 133)
a, a, a-Trifluorotoluene (TFT)	97	(67 - 125)
	99	(67 - 125)

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 #...: I3L190216 Work Order #...: F61NN1AC-MS Matrix.....: WATER
 MS Lot-Sample #: I3L180218-004 F61NN1AD-MSD
 Date Sampled...: 12/15/03 11:09 Date Received...: 12/18/03
 Prep Date.....: 12/29/03 Analysis Date...: 12/30/03
 Prep Batch #...: 3364266
 Dilution Factor: 50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	75 a, MSC	(85 - 115)			SW846 8021B
	90	(85 - 115)	1.7	(0-30)	SW846 8021B
Ethylbenzene	95	(85 - 115)			SW846 8021B
	97	(85 - 115)	1.4	(0-30)	SW846 8021B
Toluene	86	(85 - 115)			SW846 8021B
	109	(85 - 115)	2.2	(0-30)	SW846 8021B
Xylenes (total)	89	(85 - 115)			SW846 8021B
	91	(85 - 115)	1.1	(0-30)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(85 - 111)
	99	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	109	(84 - 114)
	109	(84 - 114)

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.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I3L190216 Work Order #....: F64EH1AF-MS Matrix.....: SOLID
 MS Lot-Sample #: I3L190216-006 F64EH1AG-MSD
 Date Sampled....: 12/17/03 09:30 Date Received...: 12/19/03
 Prep Date.....: 12/29/03 Analysis Date...: 12/29/03
 Prep Batch #....: 3364409
 Dilution Factor: 0.98 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	92	(73 - 128)			SW846 8021B
	94	(73 - 128)	2.5	(0-30)	SW846 8021B
Methyl tert-butyl ether	71	(70 - 141)			SW846 8021B
	75	(70 - 141)	5.7	(0-24)	SW846 8021B
Ethylbenzene	101	(73 - 136)			SW846 8021B
	101	(73 - 136)	0.08	(0-30)	SW846 8021B
Toluene	93	(71 - 129)			SW846 8021B
	93	(71 - 129)	0.01	(0-30)	SW846 8021B
Xylenes (total)	94	(74 - 130)			SW846 8021B
	93	(74 - 130)	0.09	(0-30)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(71 - 133)
	103	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	112	(67 - 125)
	115	(67 - 125)

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 #....: I3L190216 Work Order #....: F64DV1AF-MS Matrix.....: WATER
 MS Lot-Sample #: I3L190216-001 F64DV1AG-MSD
 Date Sampled...: 12/18/03 10:30 Date Received...: 12/19/03
 Prep Date.....: 12/22/03 Analysis Date...: 12/30/03
 Prep Batch #....: 3356444
 Dilution Factor: 0.95

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	83	(40 - 126)			SW846 8015B
	92	(40 - 126)	7.1	(0-30)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	110	(28 - 131)
	106	(28 - 131)
Dotriacontane	115	(37 - 139)
	115	(37 - 139)

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 #...: I3L190216 Work Order #...: F64D61AH-MS Matrix.....: SOLID
 MS Lot-Sample #: I3L190216-005 F64D61AJ-MSD
 Date Sampled...: 12/17/03 09:15 Date Received...: 12/19/03
 Prep Date.....: 12/26/03 Analysis Date...: 12/30/03
 Prep Batch #...: 3360216
 Dilution Factor: 1 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	37 a	(40 - 126)			SW846 8015B
	43	(40 - 126)	15	(0-30)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	70	(40 - 144)
	91	(40 - 144)
Dotriacontane	93	(42 - 159)
	93	(42 - 159)

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 #....: I3L190216

Matrix.....: WATER

Date Sampled....: 12/18/03 10:00 Date Received...: 12/18/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#:	F61T61AH-MS/F61T61AJ-MSD	MS Lot-Sample #:	U3L180240-001	
	48 N	(85 - 106)			MCAWW 300.0A	12/23/03	3358107
	74 N	(85 - 106)	15	(0-22)	MCAWW 300.0A	12/23/03	3358107

Dilution Factor: 1

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 #....: I3L190216

Matrix.....: SOLID

Date Sampled....: 12/17/03 09:15 Date Received...: 12/19/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride						% Moisture.....:	
			WO#:	F64D61AF-MS/F64D61AG-MSD	MS Lot-Sample #:	I3L190216-005	
	98	(75 - 125)			MCAWW 300.0A	12/24/03	3358119
	99	(75 - 125)	0.18	(0-20)	MCAWW 300.0A	12/24/03	3358119
			Dilution Factor:	1			

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 410.1, COD: use of different analytical wavelength.

EPA 340.2, Fluoride: preliminary Bellach distillation not performed.

EPA 8151: use of alternate extraction solvent.

Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) not analyzed along with Gasoline Range Organics if client does not require BTEX.

EPA TO12: samples not analyzed in duplicate.

EPA TO14A and TO15: zero humidified nitrogen is used in place of air for method blanks.

EPA 8260, medium level soils: The dilution factor indicated on the sample report for medium level volatile soil samples is not the actual dilution factor by a calculation that is applied to results for medium level soil samples. For medium level soils, the dilution factor in sample reports is the following calculation:

Dilution Factor in sample report = {Actual DF/50} x {Nominal soil weight of 5.0 g/Actual soil weight in g}

SEVERN
TRENT

STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I3L190216RECEIVED BY: (24)

COC NUMBER: _____

DATE/TIME RECEIVED: 12/19/03 0900QUOTE/PROFILE: 55401UNPACKED DATE/TIME: 12/19/03 1100CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received
with Chain of Custody 2VOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 CONTAINERS EXAMINED UPON RECEIPT: (24)Container Sealed: ☒ YES ☐ NOCustody Seal Signed/Dated: ☒ YES ☐ NOCustody Seal Present: ☒ YES ☐ NOContainers checked for radioactivity: ☐ YES ☒ NO

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 ☐ NOSamples Received Match Chain: ☐ YES ☐ NOCanister Valves Capped: ☐ YES ☐ NOSee Additional Comments: ☐ YES ☐ NO

Packing Material Used: (circle)

Can Size: ☐ 6L ☐ 15L Other _____

None / Absorbent / Paper / Bubble Wrap

3.0 SAMPLE TEMPERATURE UPON RECEIPT: (24) PYROMETER #: 24

The temperature of the container(s) is:

[acceptable tolerance $4^{\circ}\text{C} \pm 2^{\circ}$; (NC, WI: $1-4.4^{\circ}\text{C}$)]

4.0	4.1										

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

Samples received do not require cooling _____ OK to analyze samples: ☒ YES ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES (24) VERIFIED BY: (24)Base samples are >pH 12: ☐ YES ☐ NO (24)Acid preserved are <pH 2: ☒ YES ☐ NO (24)

Cyanide samples checked

Sulfide samples appear

for sulfides: ☐ YESto be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine

Free chlorine present:

per specification: ☐ YES☐ 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 VOAs CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: EW

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:

4 X TB

☒ YES ☐ NO☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

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:

COC Addendum number is noted in the 'Comments' section of COC, as required for Horizon LIMS.

☐ YES ☒ N/AProject Management: CSDate: 1-10-04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

STL4149 (1202)

Client
Maxim Technologies
Address
1703 W Industrial Ave
City
Midland State
TX Zip Code
79701

Project Manager
Greg Pope
Telephone Number (Area Code)/Fax Number
(432) 686-8081 / (000)
Lab Location
STL Austin

Project Number/Name
3373 E HOBBS JCT INVESTIGATION
Carrier/Waybill Number
836113456168

Contract/Purchase Order/Quote Number
CONTRACT / PURCHASE ORDER # : 3373MAX003
QUOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers Type	No.	Preservative	Condition on Receipt/Comments
MTW-1 GWT	12/18/03	1030	WATER	1L	AMBER	3	None	4-12-12-19-03
"	"	"	WATER	40mL	VIAL	4	1:1 HCL	GOOD
"	"	"	WATER	250mL	PLASTIC	1	None	
"	"	"	WATER	1L	AMBER	2	None	
"	"	"	WATER	40mL	VIAL	4	1:1 HCL	
"	"	"	WATER	250mL	PLASTIC	1	None	
"	"	"	WATER	1L	AMBER	2	None	
"	"	"	WATER	40mL	VIAL	4	1:1 HCL	
"	"	"	WATER	250mL	PLASTIC	1	None	

Special Instructions **TPH-GRO & DRO, 8021 BTX**

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
☐ Relinquished By ☐ Rush ☐ Other

Turn Around Time Required
☐ Normal ☐ Rush ☐ Other

QC Level
☒ I ☐ II ☐ III
 Date
 1. Relinquished By **12/15/03** Time **9:00**
 2. Relinquished By **12/18/03** Time **1700**
 3. Relinquished By **12/18/03** Time **11:00**

Comments

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

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
\$0010445-002

SEVERN
TRENT

024237

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client		Project Manager		Date	Page
Maxin Technologies		Greg Pope		12/12/2003	2 of 3
Address		Telephone Number (Area Code)/Fax Number		Lab Location	
1703 W Industrial Ave		(432) 686-0081 / (000)		STL Austin	
City	State	Zip Code	Site Contact	Analysis	
Midland	TX	79701	Greg Pope		
Project Number/Name		Carrier/Waybill Number			
3373 E HOBBS JCT INVESTIGATION		836113456032			
Contract/Purchase Order/Quote Number					
CONTRACT / PURCHASE ORDER # : 3373MAY003					

QUOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers	Preservative	Condition on Receipt/Comments
MTWJ-2 GW	12/18/03	1100	WATER	1L	AMBER	None	4.0°C 12/19/03
"	"	"	WATER	40mL	VIAL	1:1 HCL	GOOD
"	"	"	WATER	250mL	PLASTIC	None	
MTWJ-3 GW	12/18/03	1135	WATER	1L	AMBER	None	
"	"	"	WATER	40mL	VIAL	1:1 HCL	
"	"	"	WATER	250mL	PLASTIC	None	
MTWJ-4 GW	12/18/03	1200	WATER	1L	AMBER	None	
"	"	"	WATER	40mL	VIAL	1:1 HCL	
"	"	"	WATER	250mL	PLASTIC	None	

Special Instructions TPE-GRO & DR0, 8021 BTEX

Possible Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Disposal By Lab	☐ Archive For
Turn Around Time Required		QC Level		(A fee may be assessed if samples are retained longer than 3 months)	
☒ Normal	☐ Rush	☒ I	☐ II	☐ III	
1. Relinquished By	Date	Time	1. Received By	Date	Time
12/18/03	12/18/03	9:00	12/16/03	12/16/03	1100
2. Relinquished By	Date	Time	2. Received By	Date	Time
12/18/03	12/18/03	1700	12/19/03	12/19/03	0900
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

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

\$0010445-004

SEVERN
TRENT

024239

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client		Project Manager		Date		Page	
Maxin Technologies		Greg Pope		12/12/2003		4 of 9	
Address		Telephone Number (Area Code)/Fax Number		Lab Location		Analysis	
1703 W Industrial Ave		(432) 686-8081 / (800)		STL Austin			
City		State		Zip Code			
Midland		TX		79701			
Project Number/Name		Carrier/Waybill Number					
3373 E HOBBS JCT INVESTIGATION		836113456168					
Contract/Purchase Order/Quote Number		QUOTE: 55401					
CONTRACT / PURCHASE ORDER # : 3373MAX003							

Sample I.D. Number and Description	Date	Time	Sample Type	Containers	Preservative	Condition on Receipt/Comments
Volume	Type	No.				
MTW-1 0-5'	12/17/03	915	SOLID	60mL CLEAR GL 2	None	4x C 12/19/03 @
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	1 GOOD
MTW-1 10-15'	12/17/03	930	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	
MTW-2 5-10'	12/17/03	1015	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	
MTW-2 10-15'	12/17/03	1030	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	
MTW-3 5-10'	12/17/03	1100	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	
MTW-3 20-25'	12/17/03	1115	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	
MTW-4 5-10'	12/17/03	1145	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	
MTW-4 15-20'	12/17/03	1200	SOLID	60mL CLEAR GL 2	None	
" " " "	"	"	SOLID	120mL CLEAR GL 1	None	

Special Instructions TPH-GR0 & DR0, 8021 BTEX

Possible Hazard Identification		Sample Disposal		Project Specific Requirements (Specify)	
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Disposal By Lab	☐ Archive For
Turn Around Time Required		QC Level		(A fee may be assessed if samples are retained longer than 3 months)	
☒ Normal	☐ Rush	☒ I	☐ II	☐ III	
1. Relinquished By		Date	Time	Date	Time
Belle Meade		12/15/03	9:00	12/16/03	11:00
2. Relinquished By		Date	Time	Date	Time
Belle Meade		12/18/03	1700	12/19/03	0900
3. Relinquished By		Date	Time	Date	Time

Comments

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

SEVERN
TRENT

THIS

024249

Severn Trent Laboratories, Inc.

CHAIN OF CUSTODY NUMBER

100-570103

Chain of Custody Record

STL4149 (I202)

[illegible]

Comments

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

**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

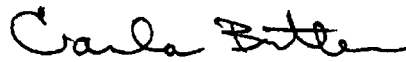
3373 E Hobbs Jct Remediation

Lot #: I4I020167

Greg Pope

**Maxim Technologies
1703 W Industrial Ave
Midland, TX 79701**

SEVERN TRENT LABORATORIES, INC.


Carla M. Butler
Project Manager

September 16, 2004

**American Council of Independent Laboratories
International Association of Environmental Testing Laboratories**

Case Narrative

STL LOT NUMBER: 141020167

This report contains the analytical results for the three samples received under chain of custody by Severn Trent Laboratories (STL) on September 2, 2004. These samples are associated with your 3373 E Hobbs Jct 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 the DRO analysis. 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.

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

I4I020167

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
TW-5 08/31/04 13:45 001				
Diesel Range Organics	0.054	0.048	mg/L	SW846 8015B
Chloride	103	10.0	mg/L	MCAWW 300.0A
TW-6 08/31/04 14:50 002				
Gasoline Range Organics	0.11	0.10	mg/L	SW846 8015B
Benzene	14	1.0	ug/L	SW846 8021B
Ethylbenzene	1.7	1.0	ug/L	SW846 8021B
Toluene	9.8	1.0	ug/L	SW846 8021B
Xylenes (total)	14	3.0	ug/L	SW846 8021B
Chloride	126	20.0	mg/L	MCAWW 300.0A

ANALYTICAL METHODS SUMMARY

I4I020167

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	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

I4I020167

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 300.0A	David A. Tocher	800002
SW846 8015B	Beth Driskill	008945
SW846 8015B	Scott Leslie	401008
SW846 8021B	Beth Driskill	008945

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

I4I020167

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GPGD6	001	TW-5	08/31/04	13:45
GPGD8	002	TW-6	08/31/04	14:50
GPGEA	003	TRIP BLANK	08/31/04	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

I4I020167

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 300.0A		4246364	4246217
	WATER	SW846 8015B		4251122	
	WATER	SW846 8015B		4254154	4254094
	WATER	SW846 8021B		4254151	4254092
002	WATER	MCAWW 300.0A		4246364	4246217
	WATER	SW846 8015B		4251122	
	WATER	SW846 8015B		4254154	4254094
	WATER	SW846 8021B		4254151	4254092
003	WATER	SW846 8015B		4254154	4254094
	WATER	SW846 8021B		4254151	4254092

CONOCOPHILLIPS

Client Sample ID: TW-5

GC Volatiles

Lot-Sample #....: I4I020167-001 Work Order #....: GPGD61AA Matrix.....: WATER
Date Sampled....: 08/31/04 13:45 Date Received...: 09/02/04
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254154
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	84	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TW-5

GC Volatiles

Lot-Sample #....: I4I020167-001 Work Order #....: GPGD61AD Matrix.....: WATER
Date Sampled....: 08/31/04 13:45 Date Received...: 09/02/04
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254151
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: TW-5

GC Semivolatiles

Lot-Sample #....: I4I020167-001 Work Order #....: GPGD61AC Matrix.....: WATER
Date Sampled....: 08/31/04 13:45 Date Received...: 09/02/04
Prep Date.....: 09/04/04 Analysis Date...: 09/14/04
Prep Batch #....: 4251122
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	0.054	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	78	(41 - 143)
Dotriacontane	63	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: TW-5

General Chemistry

Lot-Sample #....: I4I020167-001 Work Order #....: GPGD6
Date Sampled....: 08/31/04 13:45 Date Received...: 09/02/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	103	10.0	mg/L	MCAWW 300.0A	09/02/04	4246364

Dilution Factor: 10

CONOCOPHILLIPS

Client Sample ID: TW-6

GC Volatiles

Lot-Sample #....: I4I020167-002 Work Order #....: GPGD81AA Matrix.....: WATER
Date Sampled....: 08/31/04 14:50 Date Received...: 09/02/04
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254154
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	0.11	0.10	mg/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	86	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TW-6

GC Volatiles

Lot-Sample #....: I4I020167-002 Work Order #....: GPGD81AD Matrix.....: WATER
Date Sampled....: 08/31/04 14:50 Date Received...: 09/02/04
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254151
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	14	1.0	ug/L
Ethylbenzene	1.7	1.0	ug/L
Toluene	9.8	1.0	ug/L
Xylenes (total)	14	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	113	(73 - 135)

CONOCOPHILLIPS

Client Sample ID: TW-6

GC Semivolatiles

Lot-Sample #....: I4I020167-002 Work Order #....: GPGD81AC Matrix.....: WATER
Date Sampled....: 08/31/04 14:50 Date Received...: 09/02/04
Prep Date.....: 09/04/04 Analysis Date...: 09/14/04
Prep Batch #....: 4251122
Dilution Factor: 0.95 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	0.048	mg/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	64	(41 - 143)
Dotriacontane	50	(12 - 153)

CONOCOPHILLIPS

Client Sample ID: TW-6

General Chemistry

Lot-Sample #...: I4I020167-002 Work Order #...: GPGD8
Date Sampled...: 08/31/04 14:50 Date Received...: 09/02/04

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	126	20.0	mg/L	MCAWW 300.0A	09/02/04	4246364

Dilution Factor: 20

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #.... I4I020167-003 Work Order #.... GPGEA1AA Matrix.....: WATER
Date Sampled.... 08/31/04 15:00 Date Received... 09/02/04
Prep Date..... 09/09/04 Analysis Date... 09/09/04
Prep Batch #.... 4254154
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

CONOCOPHILLIPS

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: I4I020167-003 Work Order #....: GPGEALAC Matrix.....: WATER
Date Sampled....: 08/31/04 15:00 Date Received...: 09/02/04
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254151
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4I020167
MB Lot-Sample #: I4I100000-154

Work Order #...: GP0DH1AA

Matrix.....: WATER

Analysis Date...: 09/09/04
Dilution Factor: 1

Prep Date.....: 09/09/04
Prep Batch #...: 4254154

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	85	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4I020167
MB Lot-Sample #: I4I100000-151

Work Order #...: GPOC91AA

Matrix.....: WATER

Analysis Date...: 09/09/04
Dilution Factor: 1

Prep Date.....: 09/09/04
Prep Batch #...: 4254151

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	95	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	99	(73 - 135)

NOTE (S) :

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I4I020167
MB Lot-Sample #: I4I070000-122

Work Order #...: GPN2Q1AA

Matrix.....: WATER

Analysis Date...: 09/14/04
Dilution Factor: 1

Prep Date.....: 09/04/04
Prep Batch #...: 4251122

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	105	(41 - 143)
Dotriacontane	85	(12 - 153)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #....: I4I020167

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: GPG8D1AA		MB Lot-Sample #:	I4I020000-364	
		1.0	mg/L	MCAWW 300.0A	09/02/04	4246364
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4I020167 Work Order #...: GP0DH1AC Matrix.....: WATER
LCS Lot-Sample#: I4I100000-154
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #...: 4254154
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	96	(85 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	84	(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 #....: I4I020167 Work Order #....: GP0C91AC Matrix.....: WATER
LCS Lot-Sample#: I4I100000-151
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254151
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	94	(85 - 115)	SW846 8021B
Ethylbenzene	89	(85 - 115)	SW846 8021B
Toluene	98	(85 - 115)	SW846 8021B
Xylenes (total)	97	(85 - 115)	SW846 8021B
Methyl tert-butyl ether	96	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	100	(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 #...: I4I020167 Work Order #...: GPN2Q1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4I070000-122 GPN2Q1AD-LCSD
 Prep Date.....: 09/04/04 Analysis Date...: 09/14/04
 Prep Batch #...: 4251122
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	47	(44 - 151)			SW846 8015B
	69 p	(44 - 151)	38	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	96	(41 - 143)
	98	(41 - 143)
Dotriacontane	64	(12 - 153)
	60	(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.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: I4I020167

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	102	(85 - 106)	Work Order #: GPG8D1AC MCAWW 300.0A	LCS Lot-Sample#: I4I020000-364 09/02/04	4246364
		Dilution Factor: 1			

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4I020167 Work Order #....: GPGD61AF-MS Matrix.....: WATER
MS Lot-Sample #: I4I020167-001 GPGD61AG-MSD
Date Sampled...: 08/31/04 13:45 Date Received...: 09/02/04
Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
Prep Batch #....: 4254154
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	111	(79 - 124)			SW846 8015B
	121	(79 - 124)	8.7	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	82	(75 - 122)
	86	(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 #....: I4I020167 Work Order #....: GPGD81AF-MS Matrix.....: WATER
 MS Lot-Sample #: I4I020167-002 GPGD81AG-MSD
 Date Sampled....: 08/31/04 14:50 Date Received...: 09/02/04
 Prep Date.....: 09/09/04 Analysis Date...: 09/09/04
 Prep Batch #....: 4254151
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	65 a	(85 - 115)			SW846 8021B
	121 a,p	(85 - 115)	34	(0-20)	SW846 8021B
Ethylbenzene	110	(85 - 115)			SW846 8021B
	118 a	(85 - 115)	6.7	(0-20)	SW846 8021B
Toluene	92	(85 - 115)			SW846 8021B
	139 a,p	(85 - 115)	28	(0-20)	SW846 8021B
Xylenes (total)	107	(85 - 115)			SW846 8021B
	127 a	(85 - 115)	14	(0-20)	SW846 8021B
Methyl tert-butyl ether	130 a	(85 - 115)			SW846 8021B
	139 a	(85 - 115)	6.6	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(81 - 119)
	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(73 - 135)
	112	(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.

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: I4I020167

Matrix.....: WATER

Date Sampled...: 08/31/04 13:55 Date Received...: 09/01/04

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY LIMITS	RPD LIMITS	ANALYSIS DATE	BATCH #
Chloride		WO#: GPCWP1A1-MS/GPCWP1A2-MSD MS Lot-Sample #: I4I010127-001		
	109 N (85 - 106)		09/02/04	4246364
	111 N (85 - 106) 0.76 (0-22)	MCAWW 300.0A	09/02/04	4246364
		Dilution Factor: 50		

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: 141020167RECEIVED BY: LT

COC NUMBER: _____

DATE/TIME RECEIVED: 9-2-04/0815QUOTE/PROFILE: SS401UNPACKED DATE/TIME: 9-2-04/1025CLIENT/PROJECT: Maxim

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received
with Chain of Custody 1BJ LTVOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 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 6°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 ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES VERIFIED BY: LTBase samples are >pH 12: ☐ YES ☐ NO Acid preserved are <pH 2: ☒ YES ☐ NOCyanide samples checked for sulfides: ☐ YES Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NOSamples 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
TW-5	7mm

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:

2x40ml ☒ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

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

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: _____

amb

Date: 9-16-04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

I4I020167

STILL SEVERN TRENT

023402

Sewer Trent Laboratories, Inc.

STL4149 (1202)

Client	MAXIM TECHNOLOGIES		Project Manager	GREG POPE	Date	8-31-04	Page 1 of 1
Address	1703 W. INDUSTRIAL AVE		Telephone Number (Area Code)/Fax Number	(432) 686-8081 / 686-8085	Lab Location	STL AUSTIN	Analysis
City	MIDLAND	TX	Zip Code	79701	Site Contact	GREG POPE	
Project Number/Name	3373 E HOBBS IST INVESTIGATION		Carrier/Waybill Number	FEDEX / 820511066877			
Contract/Purchase Order/Quote Number			3373 MAX003				
			QUOTE: 55401				

3373 MAX 003

QuOTE: 55401

Sample I.D. Number and Description	Date	Time	Sample Type	Containers			Preservative	Condition on Receipt/Comments	FCH	FCH	FCH
				Volume	Type	No.					
TW-5	8-31-04	1345	AQ	40ML	VIAL	4	HCl	600/27/9-2-04	XX		
TW-5	/	1345	/	1-L	AMBER	3	NONE	See CDC Add	X		
TW-5	/	1345	/	250ML	POLY	1	NONE			X	
TW-6	/	1450	/	40ML	VIAL	4	HCl		XX		
TW-6	/	1450	/	1-L	AMBER	2	NONE			X	
TW-6	✓	1450	✓	250ML	POLY	1	NONE			X	
TRIP BLANK	8-31-04	1500	AQ	40ML	VIAL	2	HCl		XX		

Special Instructions

TPH-GRO / DRO, 8021 BTEX, CHLORIDE

Possible Hazard Identification				Sample Disposal				Project Specific Requirements (Specify)					
☒ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ 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				OC Level									
☒ Normal	☐ Rush	☐ Other _____		☒ I.	☐ II.	☐ III.							
1. Relinquished By <i>[Signature]</i>				Date	9-1-04	Time	13:30	1. Received By <i>[Signature]</i>		Date	9-2-04	Time	0815
2. Relinquished By <i>[Signature]</i>				Date		Time		2. Received By <i>[Signature]</i>		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

APPENDIX D
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
220 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. A-27085

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Maxim Technologies, Inc. (for ConocoPhillips, Inc.) Address 1703 W. Industrial Ave., Midland, TX 79701

Lease or Facility Name East Hobbs Junction ConocoPhillips Remediation Site Location Sec8, 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 April 19, 2004
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 85 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 <u>ConocoPhillips, Inc.</u>	Transporter <u>Key Energy Services</u>
By <u>Greg W. Pope (Maxim Technologies, Inc.)</u>	Address <u>418 S. Grimes, Hobbs, NM 88240</u>
Title <u>Project Manager</u>	Signature _____
E-mail Address <u>gwpope57@aol.com</u>	E-mail Address _____
Date <u>April 13, 2004</u>	Title _____ Date _____

OIL CONSERVATION DIVISION

Approved By Shirley Williams Title Reg. Analyst Date 4-15-04

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OCD	
☒	Santa Fe
☒	File
☒	Operator
☐	Transporter (2)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-117 A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 5 Copies to
Appropriate District Office

PERMIT NO. H-27265

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Maxim Technologies, Inc. (for ConocoPhillips, Inc.) Address 1703 W. Industrial Ave., Midland, TX 79701

Lease or Facility Name East Hobbs Junction ConocoPhillips Remediation Site Location Sec8, 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 June 9, 2004
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 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 <u>ConocoPhillips, Inc.</u>	Transporter <u>Key Energy Services</u>
By <u>Greg W. Pope (Maxim Technologies, Inc.)</u>	Address <u>418 S. Grimes, Hobbs, NM 88240</u>
Title <u>Project Manager</u>	Signature _____
E-mail Address <u>gwpope57@aol.com</u>	E-mail Address _____
Date <u>June 3, 2004</u>	Title _____ Date _____

OIL CONSERVATION DIVISION

Approved By Linda Williams Title Mgmt Analyst Date 6/4/04

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OCD

Santa Fe
File
☒ Operator
Transporter (2)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
20 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-117 A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 5 Copies to
Appropriate District Office

PERMIT NO. H-27533

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Maxim Technologies, Inc. (for ConocoPhillips, Inc.) Address 1703 W. Industrial Ave., Midland, TX 79701

Lease or Facility Name East Hobbs Junction ConocoPhillips Remediation Site Location Sec8, 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 September 8, 2004

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 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 <u>ConocoPhillips, Inc.</u>	Transporter <u>Key Energy Services</u>
By <u>Greg W. Pope (Maxim Technologies, Inc.)</u>	Address <u>418 S. Grimes, Hobbs, NM 88240</u>
Title <u>Project Manager</u>	Signature _____
E-mail Address <u>gwpope57@aol.com</u>	E-mail Address _____
Date <u>September 7, 2004</u>	Title _____ Date _____

OIL CONSERVATION DIVISION

Approved By Linda Williams Title Regt. Analyst Date 9-7-04

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)