AP - 015

ANNUAL MONITORING REPORT

05/30/2008



Thomas (Tom) Wynn Site Manager Risk Management & Remediation 1354 Phillips Building

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April 30, 2008

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

RE: ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT MARCH 2007 THROUGH FEBRUARY 2008
ConocoPhillips East Hobbs Junction (AP-15)
Hobbs, Lea County, New Mexico

Dear Mr. Von Gonten:

Pursuant to operations and monitoring requirements for the East Hobbs Junction remediation site, please find one copy of the above referenced report for your review and concurrence. This report presents an annual summary of all site activities performed from March 2007 through February 2008 relating to the operation, maintenance and monitoring of the remediation system, quarterly groundwater monitoring, and sampling and analyses.

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

Sincerely,

Tom Wynn Site Manager

Risk Management and Remediation

Thomas D. Lynn

ConocoPhillips

cc: w/ attachment

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

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

CONOCOPHILLIPS
EAST HOBBS JUNCTION (AP-15)

HOBBS, LEA COUNTY, NEW MEXICO

Prepared for:



Prepared By:



1703 W. Industrial Avenue Midland, Texas 79701

April 30, 2008



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Mr. Glenn Von Gonten
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1220 South St. Francis Dr.
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RE: ANNUAL MONITORING, OPERATION AND MAINTENANCE REPORT MARCH 2007 THROUGH FEBRUARY 2008
ConocoPhillips East Hobbs Junction (AP-15)
Hobbs, Lea County, New Mexico

INTRODUCTION

On behalf of ConocoPhillips, formerly Phillips Pipe Line Company, Tetra Tech (formerly Maxim Technologies; Maxim) is submitting the following annual status report for the East Hobbs Junction remediation site (Site). The Site is located in Lea County, New Mexico (Sec 8, T19S, R38E; Figure 1), approximately one mile south of the city of Hobbs. The work described in this report was performed in accordance with the Stage 2 Ground Water Abatement Plan (AP-15) issued for the Site and approved by the New Mexico Oil Conservation Division (NMOCD). A request for extension of the submittal date for this report to April 30, 2008 was submitted to the NMOCD and approved via electronic mail on March 28, 2008. This report is a summary of the following activities performed from March 2007 through February 2008:

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

During this time period, no new tanks were installed at the Site, and no system, process or facility modifications were performed which would alter the system design parameters.

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

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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 I illustrates the locations of the existing pipeline corridors, the Site monitoring and remediation wells, and the remediation system buildings and oil storage tank.

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

HEALTH AND SAFETY

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

GROUNDWATER MONITORING AND SAMPLING

Quarterly groundwater monitoring and sampling activities were conducted at the Site on April 23-26, July 23-25, and October 23-25, 2007, and January 28-31, 2008. 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

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April 25 and 26, July 24-25, October 24-25, 2007, and January 30-31, 2008, wells MW-4 through 6, MW-12 through 27, and SVE-10 were sampled. The groundwater samples were collected into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of total petroleum hydrocarbons-diesel range organics (TPH-DRO) and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by Method 8015B modified, benzene, toluene, ethylbenzene and xylene (BTEX) by Method 8021B, and chloride by Method 300.0A.

Groundwater elevation measurements are summarized in Table I. Potentiometric surface maps for each of the four sampling events are included as Figures 2a, 2b, 2c and 2d. Groundwater flow direction is variable across the Site, and depending on location, can be to the west, southwest, south, or southeast. The overall groundwater flow direction was calculated and shows to be west to southwest at an average gradient ranging from 0.0017 feet per foot (ft/ft) in April 2007 to 0.0018 ft/ft in January 2008. Groundwater levels at the Site have generally peaked, as shown on the hydrographs included in Appendix A, and have begun to show a decreasing trend overall.

Groundwater analytical results for the April, July, and October 2007, and January 2008 sampling events are presented in Tables 2a, 2b, and 2c, and graphically displayed on Figures 3a, 3b, 3c and 3d. The laboratory analytical data is included in Appendix B. Analytical results from the groundwater monitoring events show that the lateral extent of the dissolved-phase plume remains defined in all directions. Minor fluctuations were noted in some of the wells, with various TPH and BTEX constituents being detected at very low concentrations.

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 2007, and January 2008 are included as Figures 4a, 4b, 4c and 4d, respectively, and LPH measurements are summarized in Table 1.

The LPH thickness measurements indicate the continued effect of the heightened groundwater table rising above the established hydrocarbon smear zone with a majority of the recovery wells showing none to very thin measurable LPH. The exception is well MW-7, where

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consistent measurable LPH has persisted throughout all four quarters of monitoring. Wells MW-2, MW-10, and MW-11 reported declining measurable LPH thickness' during April 2007, July 2007, October 2007, and January 2008 perhaps in response to poor recovery after crude oil skimming, as described in the next section. Similar response was seen during the previous annual sampling and is expected to continue to occur while the groundwater table continues to stabilize and the LPH plume reestablishes itself. Depiction of these responses to LPH plume thickness vs. groundwater level is shown on the hydrographs in Appendix A.

FREE PETROLEUM HYDROCARBON RECOVERY

The pneumatic oil recovery system consists of Durham Geo F.A.P. Plus pumps installed in recovery wells MW-2, MW-3, MW-6, MW-7, and MW-9 through -11. A skimmer pump was additionally installed in MW-8 on June 1, 2006. The skimmer pumps remove 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 I). From initial abatement activities and ongoing oil removal activities, approximately 398 barrels of crude oil have been recovered through February 2008.

The reduction of LPH thicknesses in recovery wells decreased the crude oil extraction rate, while the recovery of groundwater increased during the 2005-2006 sampling periods. To counter this effect, several tasks were performed during 2006 and into 2007 in an effort to enhance crude oil recovery rates, while reducing the amount of groundwater being recovered including: collecting weekly to monthly measurements of LPH thickness in the recovery wells, adjusting the skimmer pump intake depths according to fluctuations in the crude oil/groundwater interface, adjusting the pumping cycle of the skimmer pumps, and rotating wells on and offline according to the thickness of crude oil measured in the well. During the June 2005 meeting with the NMOCD in Santa Fe, a rule of thumb was established that assumed 0.5 feet of crude oil thickness would be used as criteria for returning a recovery well to operation. So far, this has only applied to recovery wells MW-7 and MW-10, with both wells being taken offline intermittently due to poor recovery of crude oil back into the wells after skimming. Since March 5, 2007, MW-10 has remained off and MW-7 has been operated infrequently due to non-recovery of LPH in these wells. After installation and operation of a skimmer pump in

Tetra Tech, Inc., 2007. Annual Monitoring, Operation and Maintenance Report: March 2006 through February 2007, ConocoPhillips East Hobbs Junction, Hobbs, Lea County, New Mexico.

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MW-8 on June 1, 2006, it was taken offline July 10, 2006 due to poor recovery of crude oil back into the well after skimming and remains offline.

On March 13, 2007, approximately 50 barrels of recovered groundwater and one-half barrel of crude oil were removed from the oil storage tank and transported by Key Energy Services to Sundance Services in Eunice, New Mexico for disposal. The disposal permit (C-117A) for this action is included in Appendix C.

SOIL VAPOR EXTRACTION AND AIR SPARGING SYSTEMS MONITORING

The SVE system has been operational since October 17, 2002. For air quality permit compliance, the on-site SVE system has been periodically monitored for effluent temperature, flow rate and volatile organic compound (VOC) concentrations since startup. photoionization detector (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 0.0 to 663 ppm since startup. A summary of SVE emissions data is presented in Table 3, and graphical representation of the VOC measurements and emissions data are presented on Figure 5. As presented in Table 3, VOCs have shown a consistent declining trend, with concentrations dropping below 100 ppm in November 2004, and below 30 ppm in March 2005. Further decline in VOC concentrations continued until November 2005, when VOCs became non-detectable by the PID. Several inspections were performed on the SVE piping system, wellheads and valving to check for ambient air leaks which would contribute to the low to non-detect SVE concentrations with no leaks being found. To check for any rebound of VOCs, the SVE system was shutdown on December 6, 2005 and then restarted on January 6, 2006. VOC concentrations were measured at 4.7 ppm on January 6, 2006, after the system was off for one month. Because no significant VOCs were measured after this time period, the SVE system was shut back down. The SVE system was restarted on September 14, 2006 when VOC concentrations were measured at 346 ppm. Since the restarting of the SVE unit in September 2006, VOC concentrations have once again shown a consistent declining trend, measuring 23.5 ppm on February 12, 2008.

Approximately 39,347 pounds (~19.7 tons) of VOCs have been removed from the vadose zone by the SVE system since startup on October 17, 2002 through February 2008. The yearly total of VOCs removed by SVE from March 2007 through February 2008 was approximately 0.13

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tons. The removal of VOCs by the SVE system has shown a consistent decrease from the II.45 tons removed during the first year of operation at the initial startup in October 2002 through October 2003. The Site is permitted by the New Mexico Air Quality Board for a maximum VOC extraction rate of I5 tons per year.

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 intermittently operated in conjunction with the operation of the SVE system, 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.

REMEDIATION SYSTEM LINE PRESSURE TESTING

The remediation system below grade oil recovery piping was pressure tested on September 13-14, 2007 to fulfill the requirements of the AP-15 approval letter issued by the NMOCD for the Site on January 28, 2002. Ferguson Construction of Lovington, New Mexico performed the crude oil recovery line pressure testing utilizing hydro-testing techniques, with recording instrumentation consisting of a Barton pressure meter recorder, a Barton temperature meter recorder, a dead weight tester and 200 pounds per square inch (psi) gauges. The below grade oil recovery lines were filled with fresh water, capped and air pressure applied to a minimum of 3 psi above the normal operating pressures. The line pressure and temperature were

Mr. Glenn Von Gonten April 30, 2008 Page 7 of 8



monitored for approximately 22 hours using chart recorders with no observed pressure decline or leakage. Upon completion of the pressure testing, the lines were reconnected to the original specifications. Copies of the pressure and temperature recorder charts are included in Appendix D.

CONCLUSIONS

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

- Groundwater sampling results are consistent with previous data and no significant changes in the crude oil impacts to groundwater are evident. Minor fluctuations were noted in some of the wells, with various TPH and BTEX constituents being detected at very low concentrations.
- 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, to 0.6 tons, removed from February to December 2005, to 0.24 tons removed January 2006 through February 2007, and finally to 0.13 tons removed from February 2007 to February 2008. VOC measurements dropped to non-detect levels in November 2005. The SVE system was shutdown on December 6, 2005 and restarted on January 6, 2006 to check for any rebound of VOCs. After being off for one month, the VOCs were measured at 4.7 ppm and the system was shutdown again. The SVE system was restarted September 14, 2006. Upon restarting the system in September 2006, concentrations steadily declined from 346 ppm to 23.5 ppm in February 2008.
- Groundwater elevation increases that were previously observed at the Site have generally peaked, and groundwater levels now show a decreasing trend overall.
- The decrease in LPH plume thickness observed in the Site recovery wells as response to
 the heightened groundwater table rising above the established hydrocarbon smear zone
 has persisted during the last four quarters of monitoring. Only one well exhibited a
 consistent LPH thickness during this time period (MW-7).
- From initial abatement activities through February 2008, the crude oil recovery system has recovered approximately 398 barrels of crude oil. Groundwater recovery by the oil skimmer system has been reduced due to enhanced maintenance and observation at the



recovery wells. Since March 5, 2007, MW-10 has remained off and MW-7 has been operated infrequently due to non-recovery of LPH in these wells. After installation and operation of a skimmer pump in MW-8 on June 1, 2006, it was taken offline July 10, 2006 due to poor recovery of crude oil back into the well after skimming and remains offline.

• The remediation system below grade oil recovery piping was pressure tested on September 13-14, 2007, and found to be competent.

RECOMMENDATIONS

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

- Continue optimization of the crude oil skimmer system to enhance the recovery of crude oil and reduce or eliminate recovered groundwater by closely monitoring groundwater levels and LPH thickness, adjusting pump skimmer depths, and adjusting pumping cycles as needed to increase pumping effectiveness and recovery.
- VOC removal rates by the SVE system have decreased to an ineffective level for remediation of the crude oil plume. It is proposed to convert the SVE and air sparging systems into a bioventing system by cycling the periods of operation to promote oxygen enhancement in the vadose zone and encourage biodegradation.

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

Sincerely,

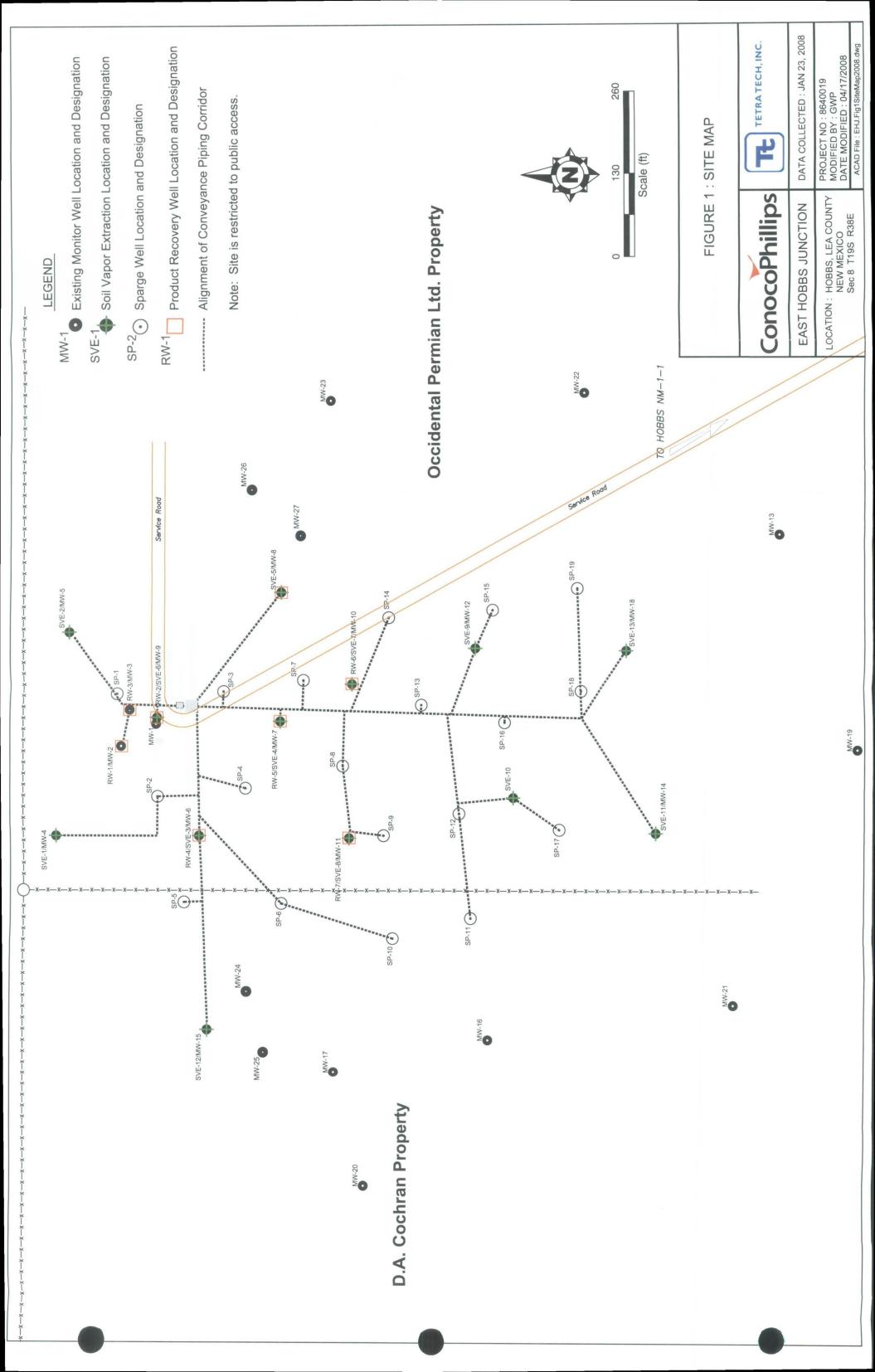
TETRA TECH

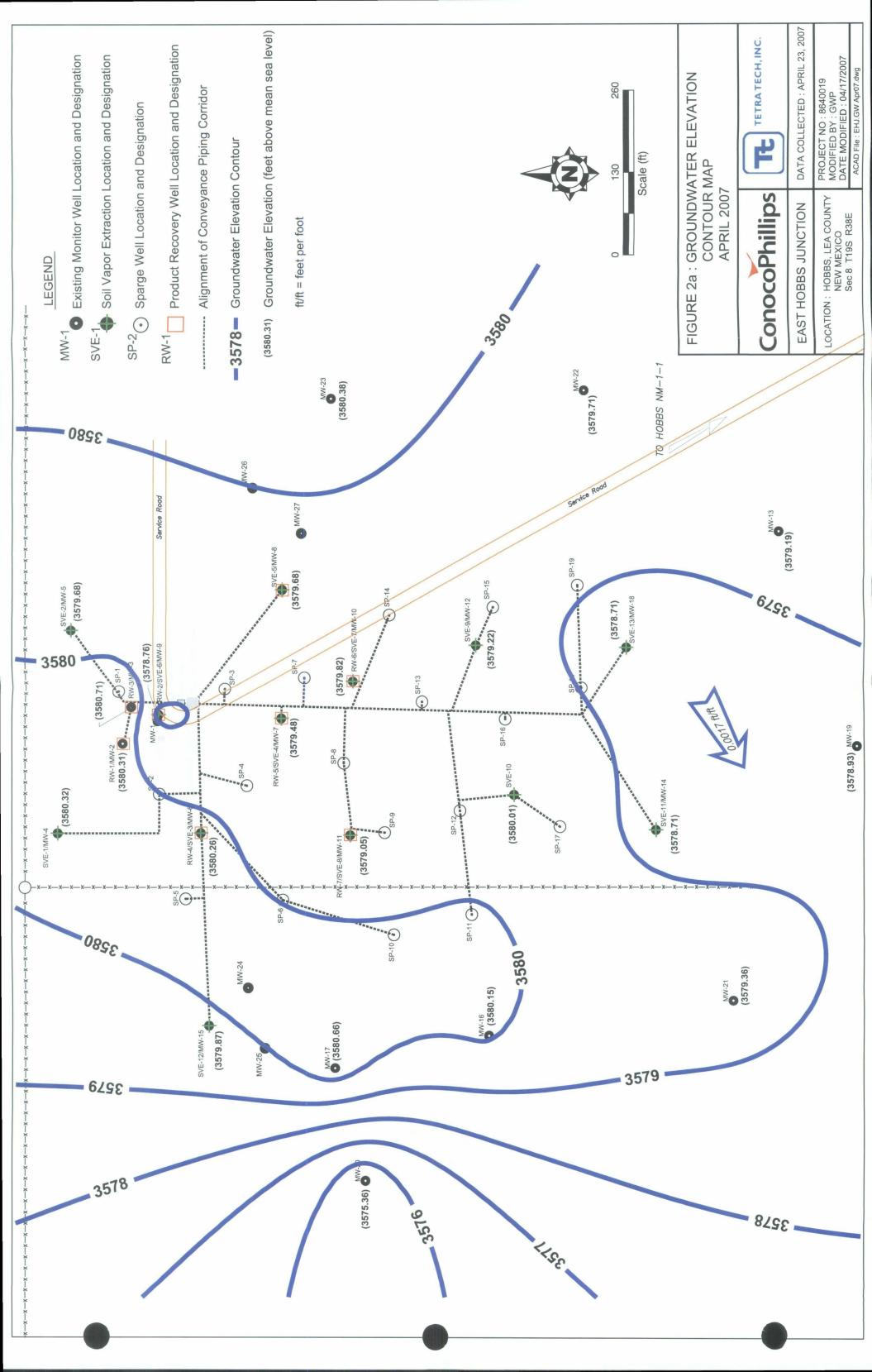
Greg W. Pope, P.G.

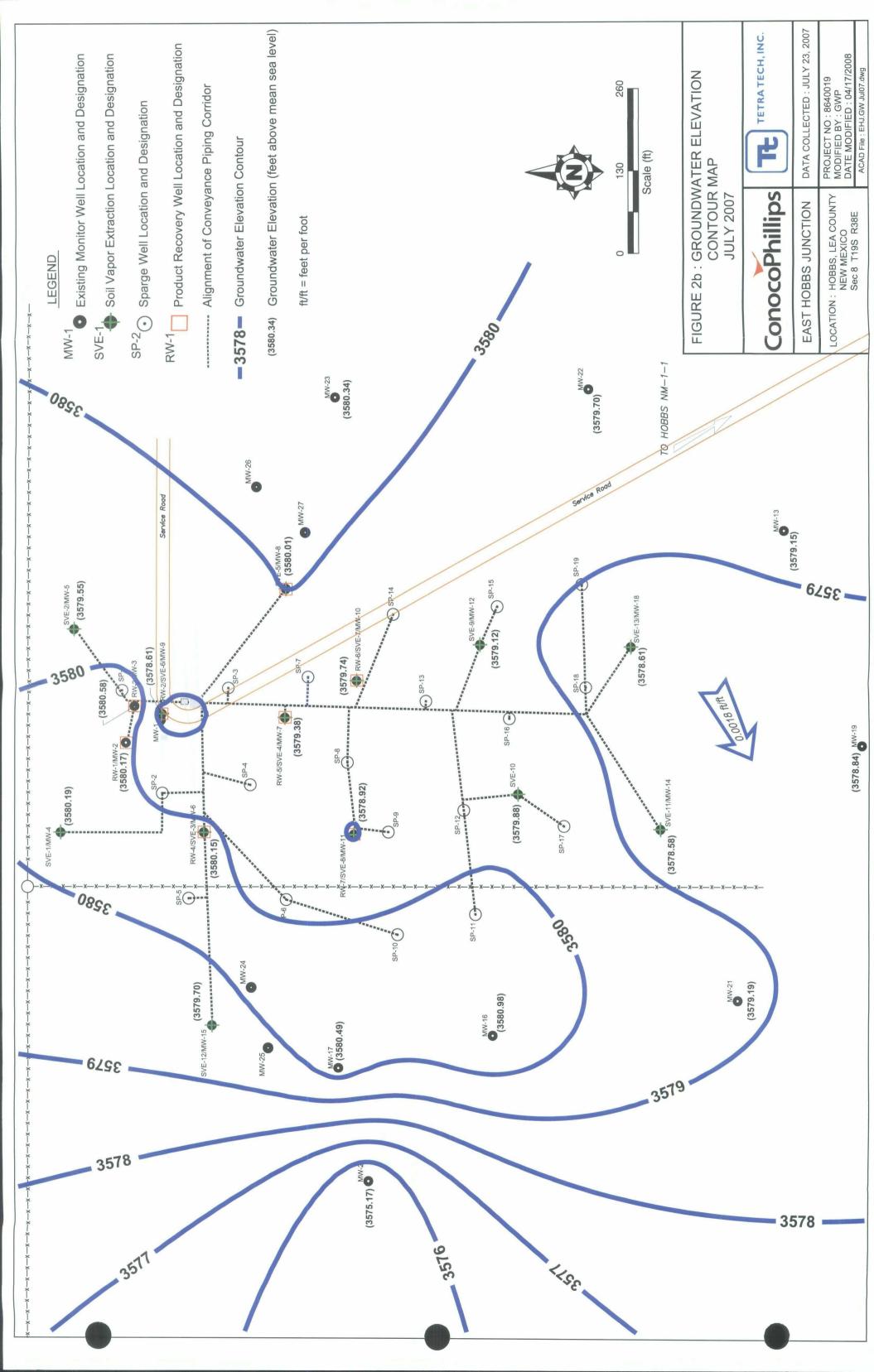
Project Manager

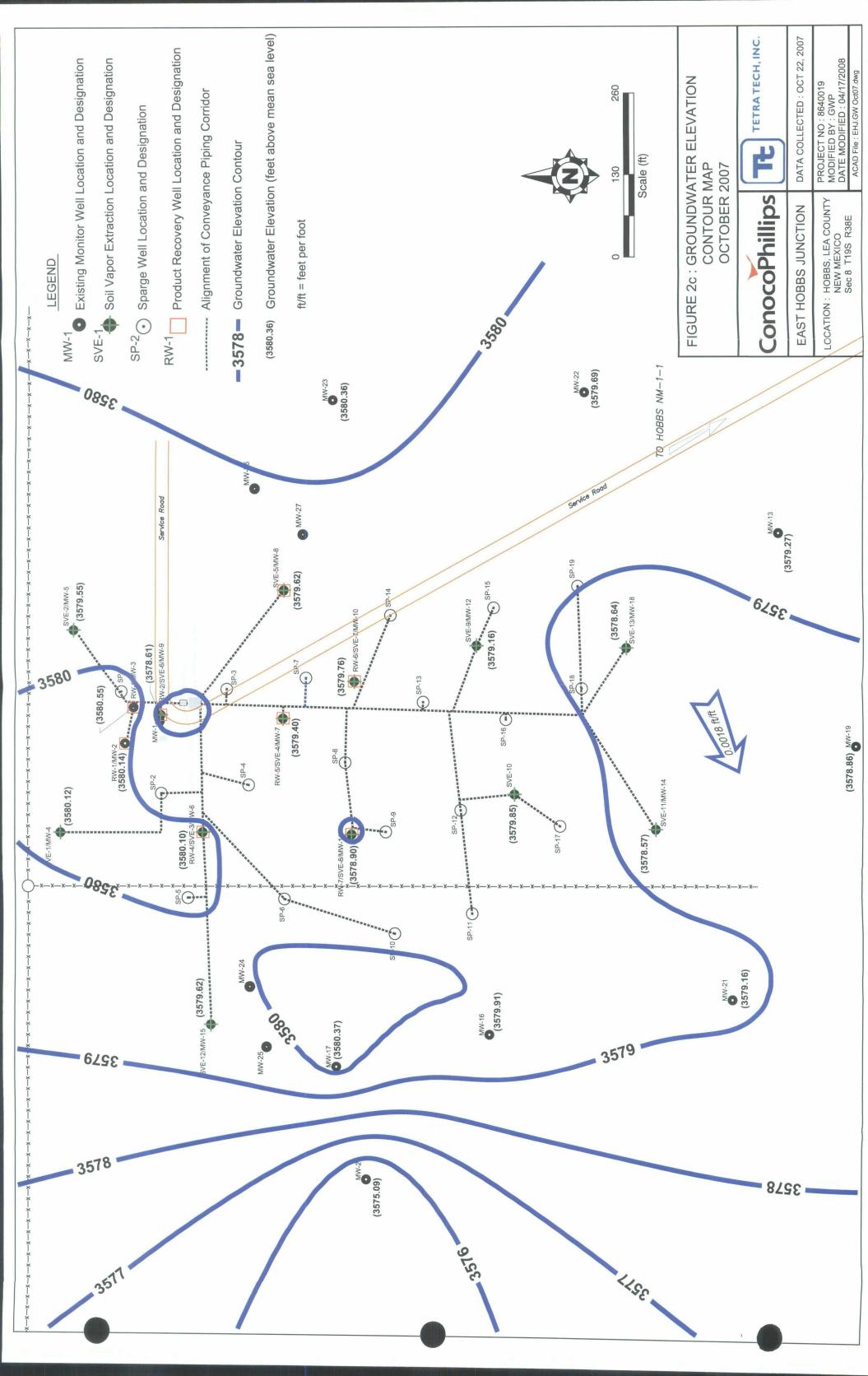
FIGURES

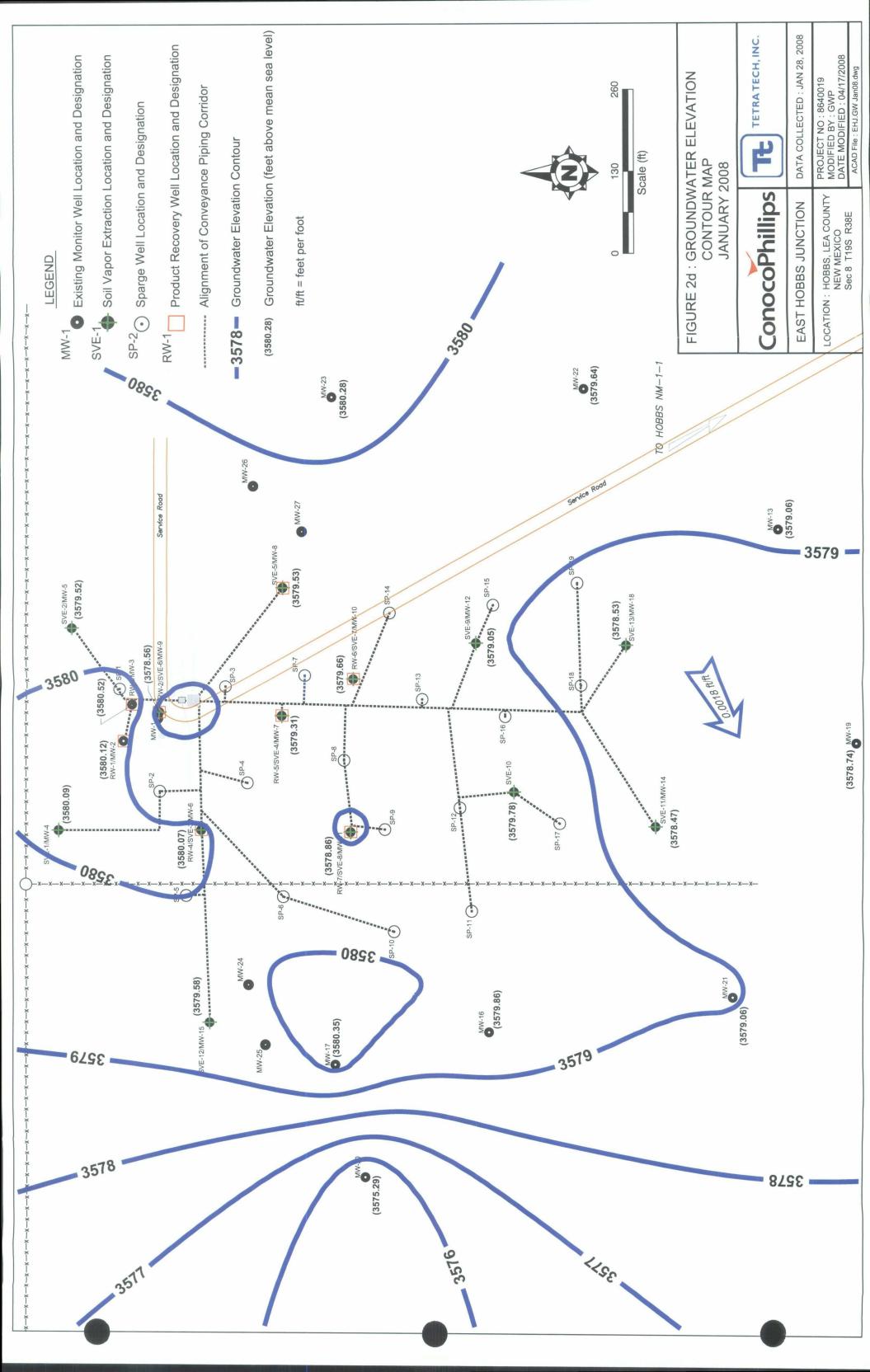
Figure I	Site Map
Figure 2a	Groundwater Contour Map – April 2007
Figure 2b	Groundwater Contour Map – July 2007
Figure 2c	Groundwater Contour Map – October 2007
Figure 2d	Groundwater Contour Map – January 2008
Figure 3a	Summary of Groundwater Analytical Results – April 2007
Figure 3b	Summary of Groundwater Analytical Results – July 2007
Figure 3c	Summary of Groundwater Analytical Results - October 2007
Figure 3d	Summary of Groundwater Analytical Results - January 2008
Figure 4a	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map - April 2007
Figure 4b	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – July 2007
Figure 4c	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map - October 2007
Figure 4d	Liquid Phase Hydrocarbon (LPH) Thickness Contour Map – January 2008
Figure 5	VOC Emissions Data

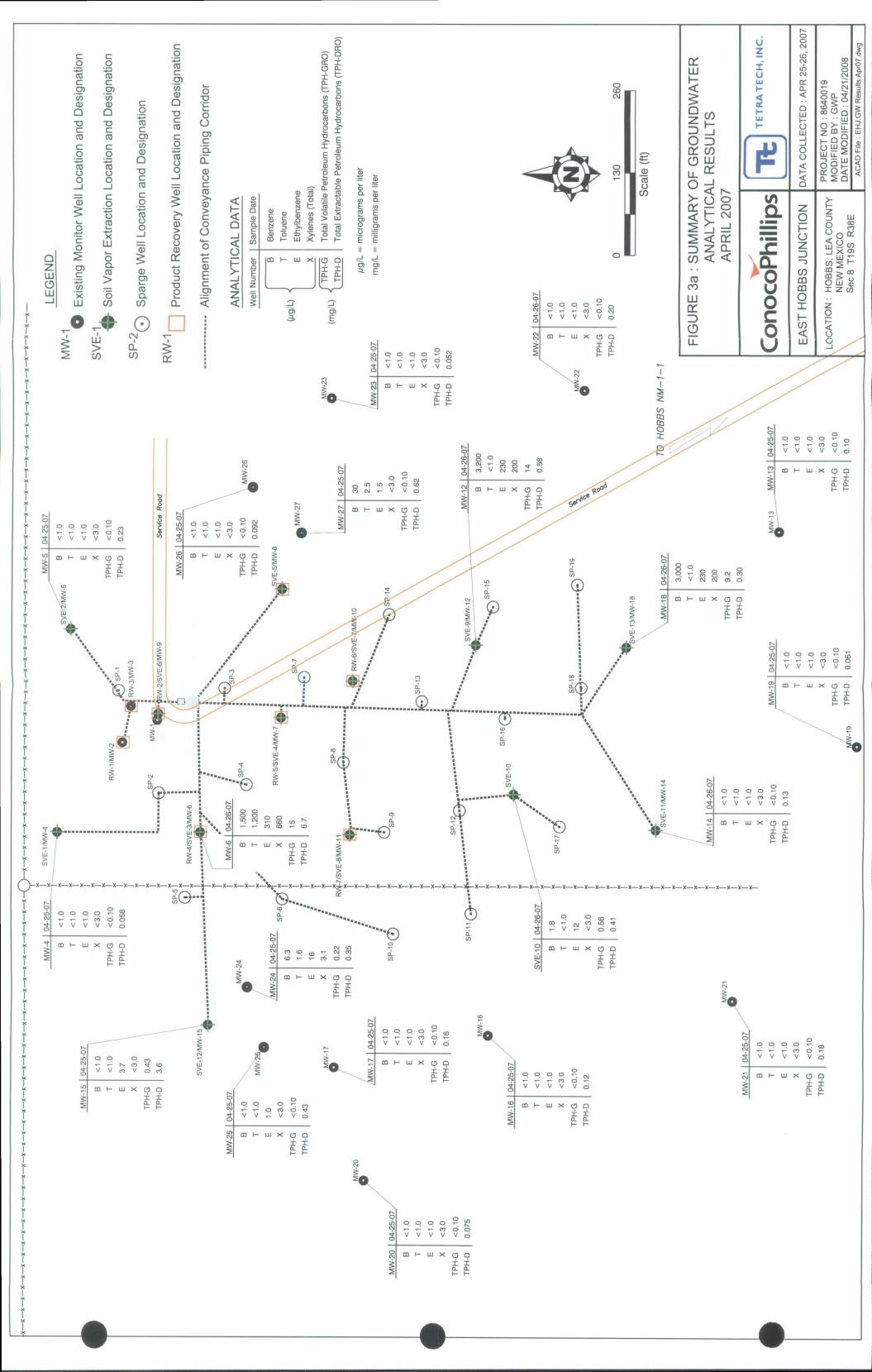


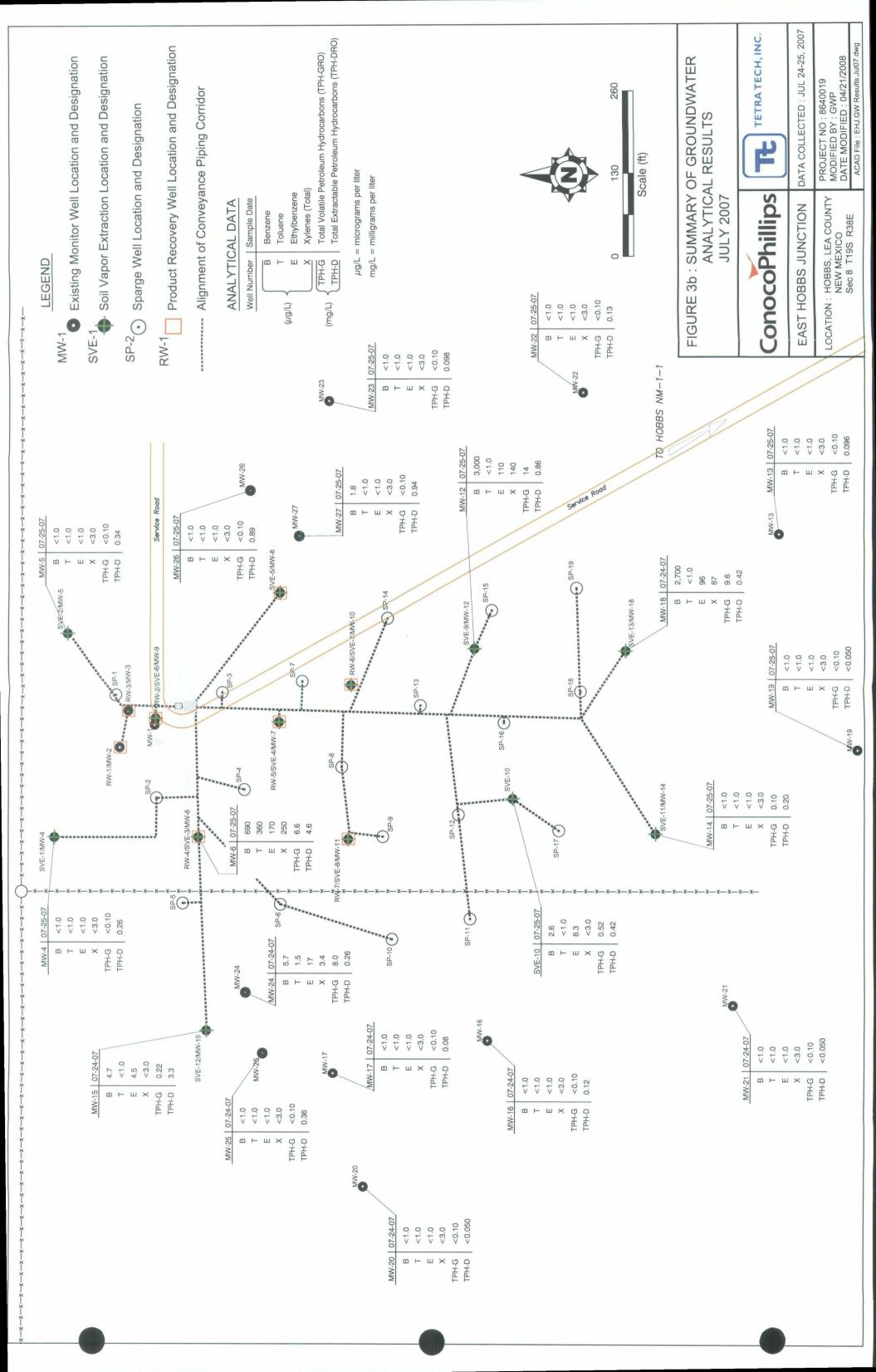


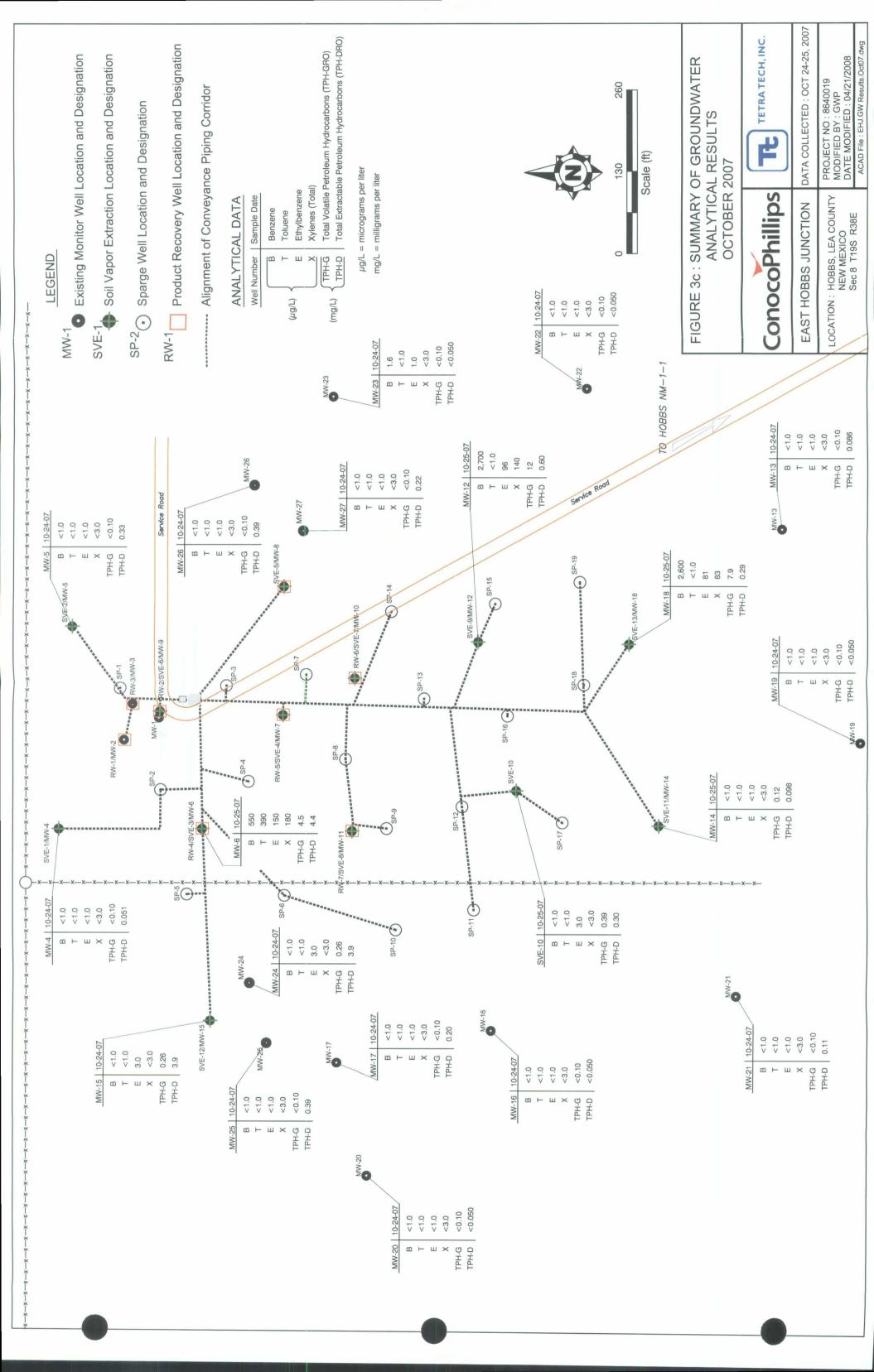


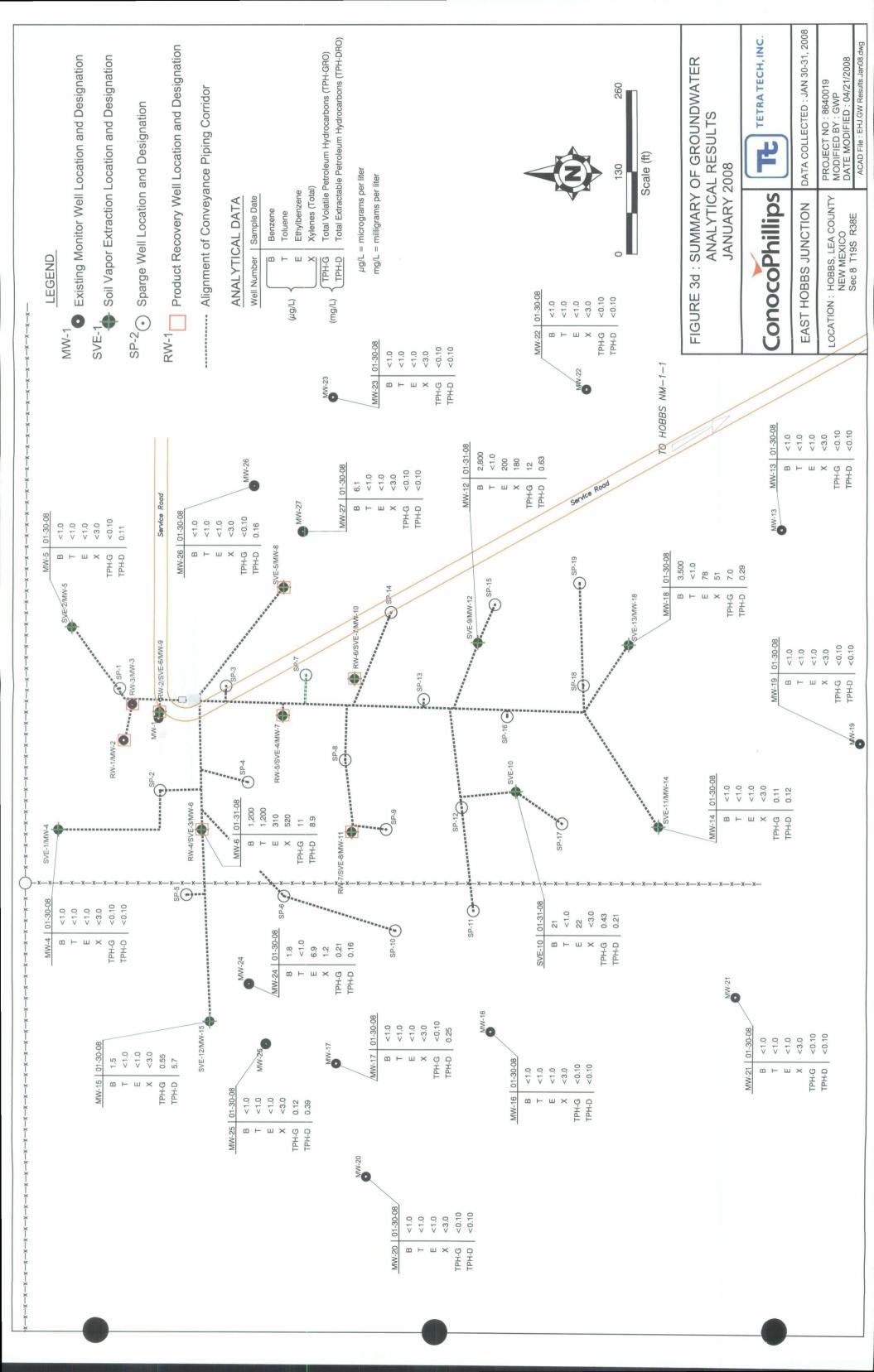


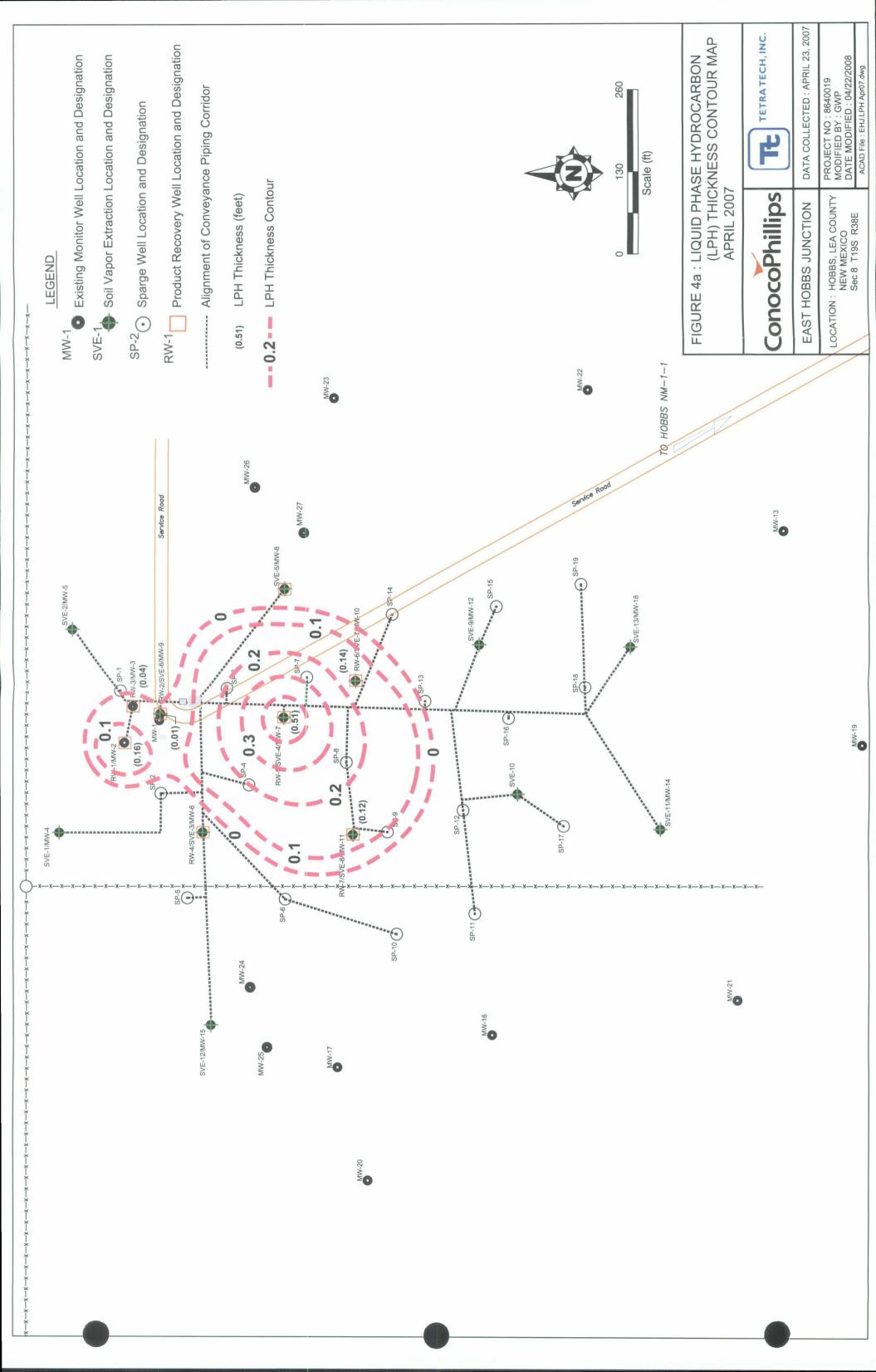


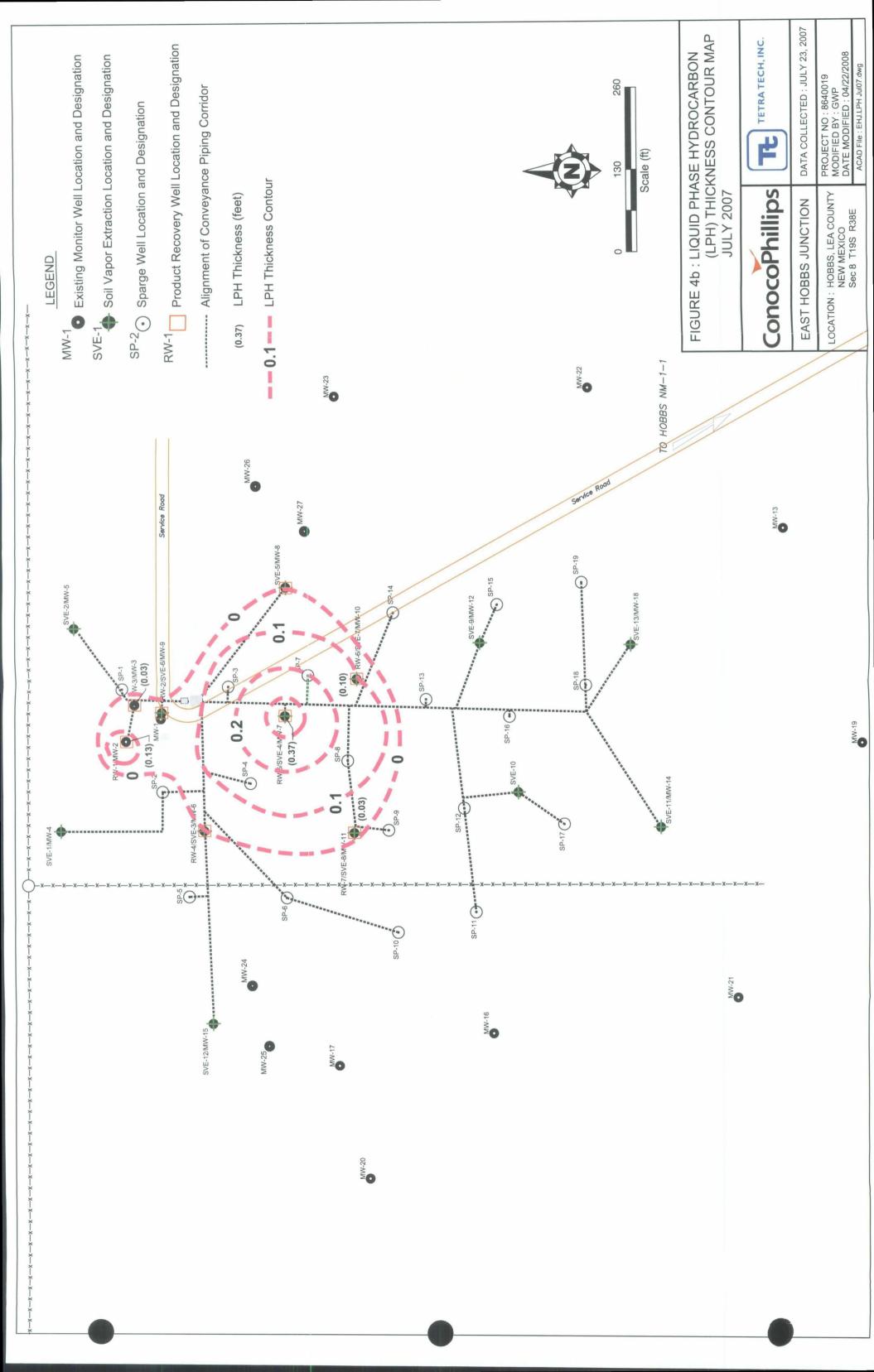


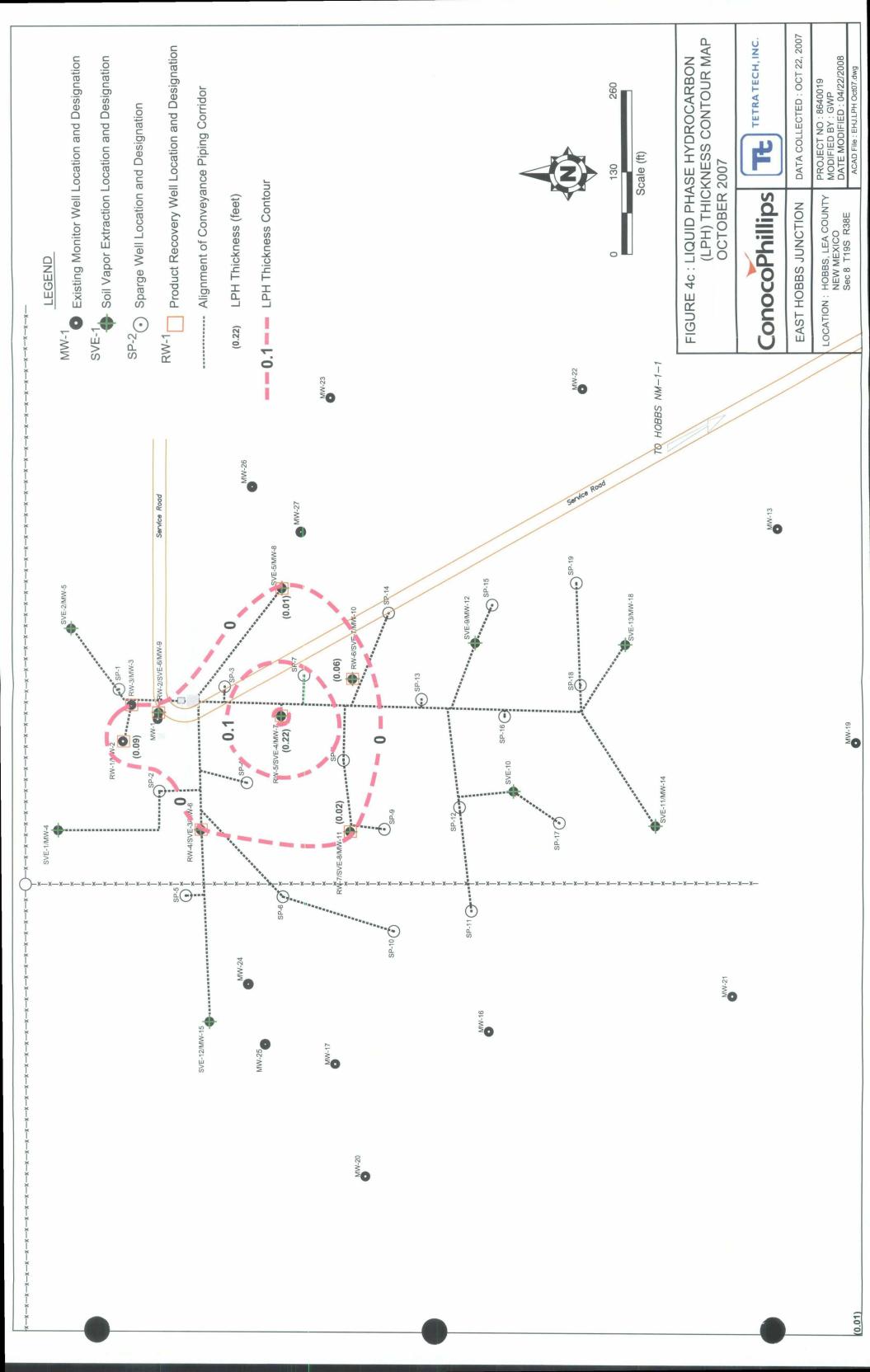












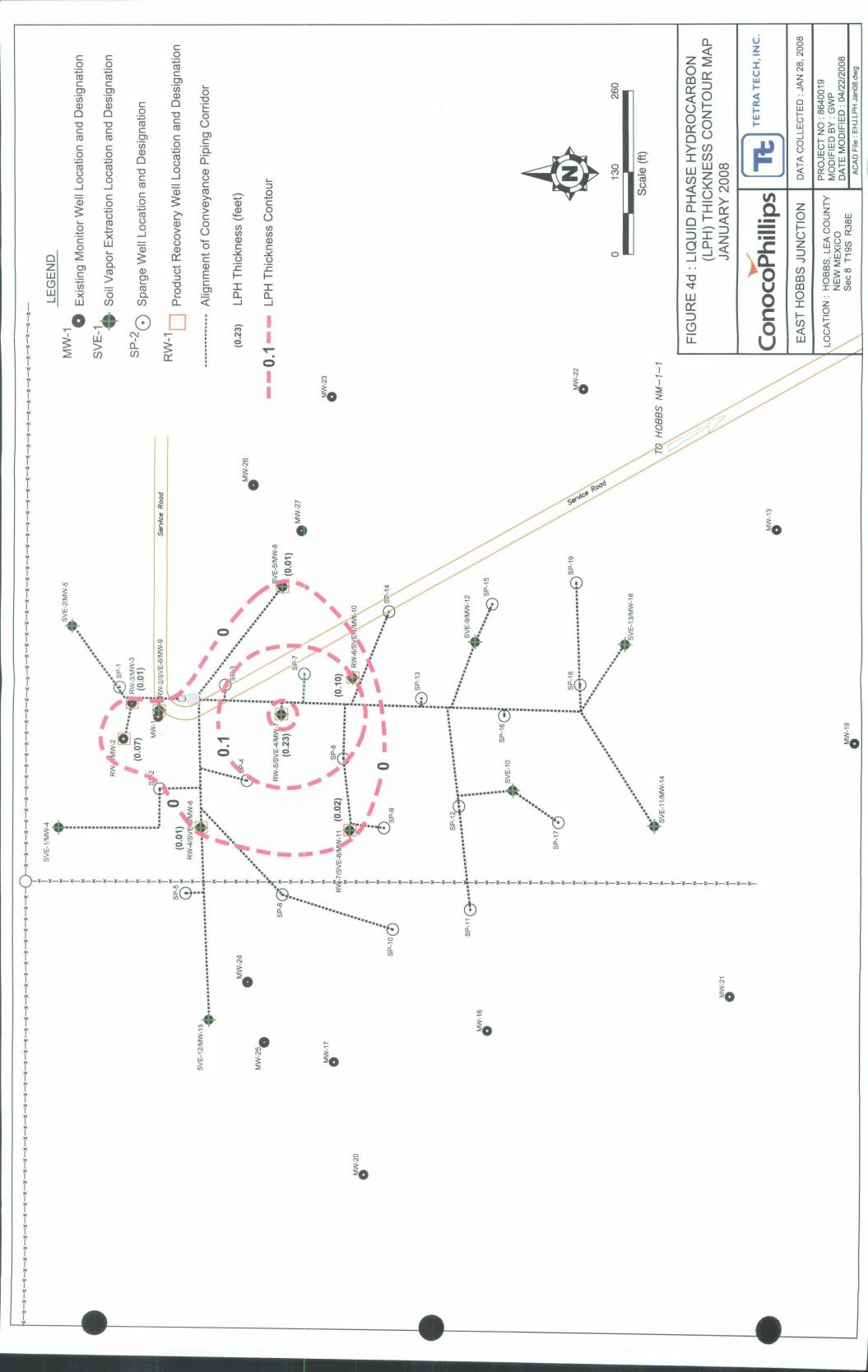
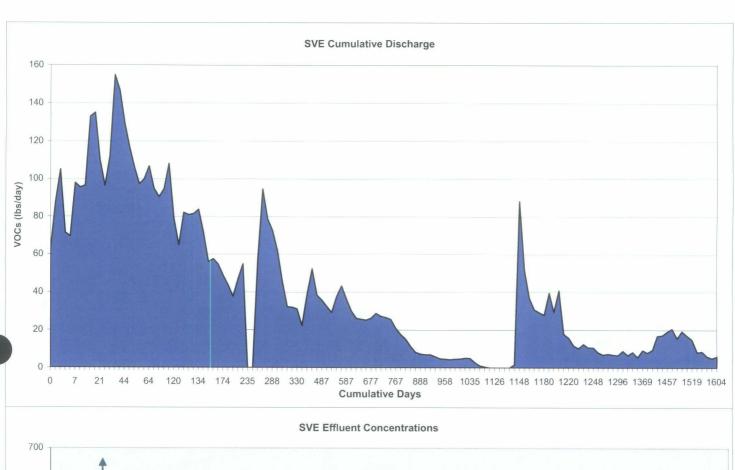
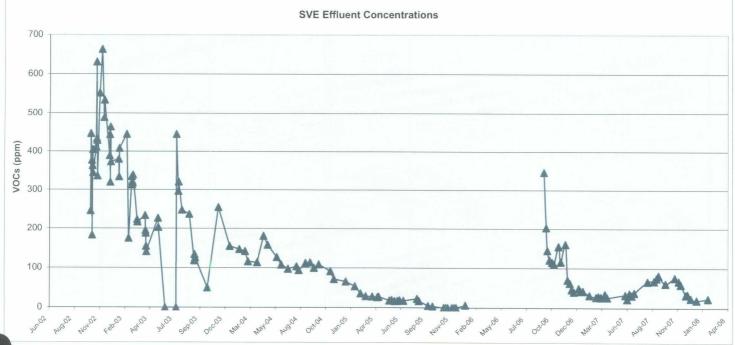


Figure 5
VOC Emissions Data
ConocoPhillips - East Hobbs Junction
Hobbs, New Mexico





TABLES

I able I	vvater 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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1	03/01/01	3606.28	27.14	24.19	2.95	2.36	24.78	3581.50
	06/25/01	3606.28	NM		0.00	0.00		
	09/25/01	3606.28	NM		0.00	0.00		
	12/11/01	3606.28	NM		0.00	0.00		
	05/22/02	3606.28	27.85	25.39	2.46	1.97	25.88	3580.40
	04/18/05 07/18/05	3606.28 3606.28	24.29 24.31	0.00	0.00	0.00	24.29 24.31	3581.99 3581.97
	10/17/05	3606.28	24.23	0.00	0.00	0.00	24.23	3582.05
	01/23/06	3606.28	24.42	0.00	0.00	0.00	24.42	3581.86
	04/24/06	3606.28	24.80	24.80	0.00	0.00	24.80	3581.48
MW-2	03/01/01	3606.45	26.88	24.29	2.59	2.07	24.81	3581.64
(RW-1)	06/25/01	3606.45	26.67	25.73	0.94	0.75	25.92	3580.53
	09/25/01	3606.45	26.59	26.04	0.55	0.44	26.15	3580.30
	12/11/01 05/22/02	3606.45 3606.45	28.20 28.00	25.73 26.33	2.47 1.67	1.98 1.34	26.22 26.66	3580.23 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 27.99	3578.83
	07/20/04 10/25/04	3606.45 3606.45	28.97 25.39	27.74 25.20	0.19	0.98	27.99	3578.46 3581.21
	01/24/05	3606.45	25.42	25.20	0.19	0.00	25.42	3581.03
	02/14/05	3606.45	25.35		0.00	0.00	25.35	3581.10
	03/02/05	3606.45	25.31		0.00	0.00	25.31	3581.14
	03/08/05	3606.45	25.28		0.00	0.00	25.28	3581.17
	03/23/05	3606.45	25.21		0.00	0.00	25.21	3581.24
	04/18/05	3606.45	25.11	25.10	0.01	0.01	25.10	3581.35
	05/09/05	3606.45	25.12		0.00	0.00	25.12	3581.33
	06/10/05 07/18/05	3606.45 3606.45	25.08 25.10	25.10	0.00	0.00	25.08 25.10	3581.37 3581.35
'	10/17/05	3606.45	25.00	24.88	0.00	0.10	24.90	3581.55
	12/28/05	3606.45	25.15	24.00	0.00	0.00	25.15	3581.30
	01/10/06	3606.45	25.20	25.19	0.01	0.01	25.19	3581.26
	01/23/06	3606.45	25.21	25.17	0.04	0.03	25.18	3581.27
	04/24/06	3606.45	25.58	25.56	0.02	0.02	25.56	3580.89
İ	07/24/06	3606.45	25.95	25.91	0.04	0.03	25.92	3580.53
	10/23/06	3606.45	25.79	25.92	0.00	0.00	25.79 25.82	3580.66 3580.63
	01/23/07 04/23/07	3606.45 3606.45	25.83 26.27	25.82 26.11	0.01	0.13	26.14	3580.63
	07/23/07	3606.45	26.38	26.25	0.13	0.10	26.28	3580.17
	10/22/07	3606.45	26.38	26.29	0.09	0.07	26.31	3580.14
	01/28/08	3606.45	26.39	26.32	0.07	0.06	26.33	3580.12
MW-3	03/01/01	3606.33	26.92	24.19	2.73	2.18	24.74	3581.59
(RW-3)	06/25/01	3606.33	27.01	24.91	2.10	1.68	25.33	3581.00
1	09/25/01 12/11/01	3606.33 3606.33	27.52 27.70	25.09 25.29	2.43	1.94	25.58 25.77	3580.75 3580.56
	11/05/02	3606.33	28.14	26.13	2.41	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
ĺ	04/20/04	3606.33	28.64	27.19	1.45	1.16	27.48	3578.85
}	10/25/04	3606.33	28.53 25.78	27.26 25.77	0.01	0.01	27.51	3578.82 3580.56
	10/25/04 01/24/05	3606.33 3606.33	24.93	24.91	0.01	0.01	24.91	3580.56
	02/14/05	3606.33	24.93	47.71	0.02	0.02	24.83	3581.50
	03/02/05	3606.33	24.78	<u> </u>	0.00	0.00	24.78	3581.55

Well	Sample	Casing	Depth to	Depth to	L.P.H.	L.P.H. Thickness X	Adjusted Depth	Groundwater
Number	Date	Casing Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-3	03/08/05	3606.33	24.76		0.00	0.00	24.76	3581.57
(RW-3)	03/08/05	3606.33	24.69		0.00	0.00	24.69	3581.64
cont.	04/18/05	3606.33	24.56	24.55	0.01	0.01	24.55	3581.78
	05/09/05	3606.33	24.58		0.00	0.00	24.58	3581.75
	06/10/05	3606.33	24.56		0.00	0.00	24.56	3581.77
	07/18/05	3606.33	24.57	24.55	0.02	0.02	24.55	3581.78
	10/17/05	3606.33	24.47		0.00	0.00	24.47	3581.86
	12/28/05	3606.33	24.63		0.00	0.00	24.63	3581.70
	01/10/06	3606.33	24.69		0.00	0.00	24.69	3581.64
	01/23/06	3606.33	24.66	24.47	0.19	0.15	24.51	3581.82
	04/24/06	3606.33	25.10	25.03	0.07	0.06	25.04 25.39	3581.29 3580.94
	07/24/06 10/23/06	3606.33 3606.33	25.39 25.28	25.39 25.28	0.00	0.00	25.28	3580.94
	01/23/07	3606.33	25.32	25.28	0.00	0.00	25.31	3581.02
	04/23/07	3606.33	25.65	25.61	0.04	0.03	25.62	3580.71
	07/23/07	3606.33	25.77	25.74	0.03	0.02	25.75	35.80.58
	10/22/07	3606.33	25.78	25.78	0.00	0.00	25.78	3580.55
	01/28/08	3606.33	25.82	25.81	0.01	0.01	25.81	3580.52
MW-4	03/01/01	3606.69	24.60		0.00	0.00	24.60	3582.09
(SVE-1)	06/25/01	3606.69	25.14		0.00	0.00	25.14	3581.55
	09/25/01	3606.69	25.36		0.00	0.00	25.36	3581.33
	12/11/01	3606.69	24.54		0.00	0.00	24.54	3582.15
	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	ļ	0.00	0.00	26.86 26.90	3579.51 3579.47
	10/25/02	3606.37 3606.37	26.90 26.89		0.00	0.00	26.89	3579.47
	11/04/02	3606.37	26.86		0.00	0.00	26.86	3579.51
	11/05/02	3606.37	26.80	ļ	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
	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 27.71	3579.12
	01/19/04 04/19/04	3606.37 3606.37	27.71 27.64	-	0.00	0.00	27.64	3578.66 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
	04/18/05	3606.37	25.10		0.00	0.00	25.10	3581.27
	07/18/05	3606.37	25.06		0.00	0.00	25.06	3581.31
	10/17/05	3606.37	24.90		0.00	0.00	24.90	3581.47
	01/23/06	3606.37	25.11		0.00	0.00	25.11	3581.26
	04/24/06	3606.37	25.47		0.00	0.00	25.47	3580.90
	07/24/06	3606.37	25.82	ļ	0.00	0.00	25.82	3580.55
	10/23/06	3606.37	25.69	-	0.00	0.00	25.69	3580.68
	01/23/07 04/23/07	3606.37	25.76		0.00	0.00	25.76 26.05	3580.61 3580.32
	04/23/07	3606.37 3606.37	26.05 26.18		0.00	0.00	26.05	3580.32 3580.19
	10/22/07	3606.37	26.18	 	0.00	0.00	26.18	3580.19
	01/28/08	3606.37	26.28	 	0.00	0.00	26.28	3580.12
MW-5	03/01/01	3605.52	24.03		0.00	0.00	24.03	3580.09
(SVE-2)	06/25/01	3605.52	24.23		0.00	0.00	24.23	3581.29
(= , = =)	09/25/01	3605.52	24.48		0.00	0.00	24.48	3581.04
	12/11/01	3605.52	24.68	1	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

		-		-		L.P.H.		
Well	Sample	Casing	Depth to	Depth to	L.P.H.	Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-5	10/25/02	3604.90	26.19		0.00	0.00	26.19	3578.71
(SVE-2)	10/26/02	3604.90	26.21		0.00	0.00	26.21	3578.69
cont.	11/04/02 11/05/02	3604.90 3604.90	26.08 26.02		0.00	0.00	26.08 26.02	3578.82 3578.88
	12/16/02	3604.90	26.02		0.00	0.00	26.02	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 25.22		0.00	0.00	27.17 25.22	3577.73 3579.68
	10/25/04 01/24/05	3604.90 3604.90	23.22		0.00	0.00	24.52	3580.38
	04/18/05	3604.90	24.32	l	0.00	0.00	24.32	3580.38
	07/18/05	3604.90	24.11		0.00	0.00	24.18	3580.72
	10/17/05	3604.90	24.00		0.00	0.00	24.00	3580.90
	01/23/06	3604.90	24.24		0.00	0.00	24.24	3580.66
	04/24/06	3604.90	24.66		0.00	0.00	24.66	3580.24
	07/24/06	3604.90	25.03		0.00	0.00	25.03	3579.87
	10/23/06	3604.90	24.91		0.00	0.00	24.91	3579.99
	01/23/07	3604.90	24.90		0.00	0.00	24.90	3580.00
	04/23/07	3604.90	25.22		0.00	0.00	25.22	3579.68
	07/23/07	3604.90	25.35		0.00	0.00	25.35	3579.55
	10/22/07	3604.90	25.35		0.00	0.00	25.35	3579.55
MW-6	01/28/08	3604.90	25.38	24.51	0.00	0.00	25.38	3579.52
(RW-4)	03/01/01 06/25/01	3606.14 3606.14	25.54 26.88	24.51 24.42	1.03 2.46	0.82 1.97	24.72 24.91	3581.42 3581.23
(KW-4)	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	25.05	0.00	0.00	25.11	3581.03
	03/02/05 03/08/05	3606.14 3606.14	25.06 25.02	25.05	0.01	0.01	25.05 25.02	3581.09 3581.12
	03/08/05	3606.14	24.97		0.00	0.00	23.02	3581.12
	04/18/05	3606.14	24.86		0.00	0.00	24.86	3581.17
	05/09/05	3606.14	24.87		0.00	0.00	24.87	3581.27
	06/10/05	3606.14	24.83		0.00	0.00	24.83	3581.31
	07/18/05	3606.14	24.84		0.00	0.00	24.84	3581.30
	10/17/05	3606.14	24.75		0.00	0.00	24.75	3581.39
	12/28/05	3606.14	24.90		0.00	0.00	24.90	3581.24
	01/10/06	3606.14	24.96		0.00	0.00	24.96	3581.18
	01/23/06	3606.14	24.94		0.00	0.00	24.94	3581.20
	04/24/06	3606.14	25.31	25.31	0.00	0.00	25:31	3580.83
	07/24/06	3606.14	25.66	25.66	0.00	0.00	25.66	3580.48
	10/22/06	3606.14	25.54	25.54	0.00	0.00	25.54	3580.60
,	01/23/07_	3606.14	25.60	25.60	0.00	0.00	25.60	3580.54
	04/23/07	3606.14	25.88	04.00	0.00	0.00	25.88	3580.26
	07/23/07	3606.17	26.02	26.02	0.00	0.00	26.02	3580.15
	10/22/07	3606.17	26.07	26.07	0.00	0.00	26.07	3580.10
	01/28/08	3606.17	26.11	26.10	0.01	0.01	26.10	3580.07

Well	Sample	Casing	Depth to	Depth to	L.P.H.	L.P.H. Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-7	03/01/01	3605.50	26.61	23.73	2.88	2.30	24.31	3581.19
(RW-5)	06/25/01	3605.50	25.35	25.30	0.05	0.04	25.31	3580.19
	09/25/01	3605.50	26.05 26.54	25.41	0.64	0.51	25.54 26.09	3579.96 3579.41
1	05/22/02 11/05/02	3605.50 3605.50	28.68	25.98 25.44	0.56 3.24	0.45 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 3605.50	29.55 29.11	27.30 27.47	2.25 1.64	1.80	27.75 27.80	3577.75 3577.70
	07/20/04 10/25/04	3605.50	25.79	25.16	0.63	0.50	25.29	3580.21
	01/24/05	3605.50	25.12	25.10	0.02	0.02	25.10	3580.40
	02/14/05	3605.50	26.02	24.86	1.16	0.93	25.09	3580.41
	03/02/05	3605.50	26.49	24.62	1.87	1.50	24.99	3580.51
	03/08/05	3605.50	26.41	24.58	1.83	1.46	24.95	3580.55
	03/23/05	3605.50	26.56	24.45	2.11	1.69	24.87	3580.63
	04/18/05	3605.50	25.84	24.58	1.26	1.01	24.83	3580.67
	05/09/05	3605.50	26.14	24.54	1.60	1.28	24.86	3580.64
	06/10/05 07/18/05	3605.50 3605.50	26.18 25.47	24.25 24.75	1.93 0.72	0.58	24.64 24.89	3580.86 3580.61
	10/17/05	3605.50	24.79	24.73	0.72	0.01	24.89	3580.01
	11/29/05	3605.50	24.94	24.76	0.00	0.00	24.94	3580.72
	12/06/05	3605.50	24.88	24.87	0.01	0.01	24.87	3580.63
	12/12/05	3605.50	24.92	24.91	0.01	0.01	24.91	3580.59
	12/21/05	3605.50	24.94		0.00	0.00	24.94	3580.56
	12/28/05	3605.50	24.95		0.00	0.00	24.95	3580.55
	01/04/06 01/10/06	3605.50 3605.50	25.01 25.01		0.00	0.00	25.01 25.01	3580.49 3580.49
	01/16/06	3605.50	25.04	25.03	0.00	0.00	25.03	3580.49
	01/23/06	3605.50	25.04	24.99	0.02	0.02	24.99	3580.51
	02/01/06	3605.50	25.12	25.11	0.01	0.01	25.11	3580.39
	02/16/06	3605.50	25.19	25.18	0.01	0.01	25.18	3580.32
	03/06/06	3605.50	25.27	25.25	0.02	0.02	25.25	3580.25
1	03/29/06	3605.50	25.34	25.33	0.01	0.01	25.33	3580.17
	04/04/06	3605.50	25.37	25.36	0.01	0.01	25.36	3580.14
	04/11/06 04/17/06	3605.50 3605.50	25.42 25.44	25.41 25.42	0.01	0.01	25.41 25.42	3580.09 3580.08
i	04/24/06	3605.50	25.39	25.36	0.03	0.02	25.37	3580.08
1	05/03/06	3605.50	25.51	25.49	0.02	0.02	25.49	3580.01
	05/31/06	3605.50	25.65	25.62	0.03	0.02	25.63	3579.87
	06/09/06	3605.50	25.71	25.66	0.05	0.04	25.67	3579.83
	06/12/06 06/26/06	3605.50 3605.50	25.73 25.84	25.67 25.74	0.06	0.05	25.68 25.76	3579.82
	06/26/06	3605.50	25.84	25.74	0.10	0.08	25.76	3579.74 3579.67
	07/03/06	3605.50	25.91	25.61	0.10	0.08	25.67	3579.83
	07/17/06	3605.50	25.88	25.86	0.02	0.02	25.86	3579.64
	07/24/06	3605.50	25.79	25.75	0.04	0.03	25.76	3579.74
	08/02/06	3605.50	25.94	25.93	0.01	0.01	25.93	3579.57
	08/14/06	3605.50	25.99	25.96	0.03	0.02	25.97	3579.53
	08/28/06	3605.50	26.07	26.02	0.05	0.04	26.03	3579.47
	09/14/06 09/21/06	3605.50 3605.50	25.92 26.06	25.91 25.75	0.01	0.01	25.91 25.81	3579.59 3579.60
	09/21/06	3605.50	26.15	25.76	0.31	0.23	25.84	3579.69 3579.66
	10/02/06	3605.50	25.89	25.77	0.12	0.10	25.79	3579.71
	10/10/06	3605.50	25.89	25.77	0.12	0.10	25.79	3579.71
	10/16/06	3605.50	25.99	25.78	0.21	0.17	25.82	3579.68
]	10/23/06	3605.50	25.80	25.60	0.20	0.16	25.64	3579.86
	10/30/06	3605.50	25.86	24.92	0.94	0.75	25.11	3580.39
	11/06/06	3605.50	26.01	25.73	0.28	0.22	25.79	3579.71
	11/21/06 11/28/06	3605.50 3605.50	25.93 25.95	25.79	0.14	0.11	25.82	3579.68
	11/28/00	2005.50	43.93	25.74	0.21	0.17	25.78	3579.72

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	12/05/06	3605.50	26.04	25.75	0.29	0.23	25.81	3579.69
(RW-5)	12/11/06	3605.50	26.11	25.75	0.36	0.29	25.82	3579.68
cont.	12/18/06	3605.50	26.19	25.75	0.44	0.35	25.84	3579.66
	01/02/07	3605.50	26.16	25.83	0.33	0.26	25.90	3579.60
	01/08/07	3605.50	26.14	25.81	0.33	0.26	25.88	3579.62
	01/23/07	3605.50	26.06	25.61	0.45	0.36	25.70	3579.80
	02/05/07	3605.50	26.36	25.88	0.48	0.38	25.98	3579.52
	02/26/07	3605.50	26.57	25.92	0.65	0.52	26.05	3579.45
	03/05/07	3605.50	26.63	25.96	0.67	0.54	26.09	3579.41
	03/13/07	3605.50	26.37	26.02	0.35	0.28	26.09	3579.41
	03/19/07	3605.50	26.41	26.03	0.38	0.30	26.11	3579.39
	03/26/07	3605.50	26.48	26.06	0.42	0.34	26.14	3579.36
	04/02/07	3605.50	26.48	26.08	0.40	0.32	26.16	3579.34 3579.48
	04/23/07	3605.50	26.43	25.92	0.51	0.41	26.02 26.27	3579.48
	05/01/07 05/29/07	3605.50 3605.50	26.55 26.59	26.20 26.21	0.35	0.28	26.29	3579.23
	06/04/07	3605.50	26.89	26.21	0.58	0.54	26.35	3579.15
	06/11/07	3605.50	26.61	26.23	0.38	0.30	26.31	3579.19
	06/11/07	3605.50	26.61	26.24	0.37	0.30	26.31	3579.19
	06/26/07	3605.50	26.39	26.00	0.39	0.31	26.08	3579.42
	07/09/07	3605.50	26.42	26.04	0.38	0.30	26.12	3579.38
	07/17/07	3605.50	26.35	26.04	0.31	0.25	26.10	3579.40
	07/23/07	3605.50	26.42	26.05	0.37	0.30	26.12	3579.38
	07/30/07	3605.50	26.31	26.07	0.24	0.19	26.12	3579.38
	08/07/07	3605.50	26.37	26.07	0.30	0.24	26.13	3579.37
	08/20/07	3605.50	26.41	26.10	0.31	0.25	26.16	3579.34
	08/27/07	3605.50	26.44	26.11	0.33	0.26	26.18	3579.32
	09/04/07	3605.50	26.43	26.12	0.31	0.25	26.18	3579.32
	09/10/07	3605.50	26.47	26.12	0.35	0.28	26.19	3579.31
	09/25/07_	3605.50	26.43	26.21	0.22	0.18	26.25	3579.25
	10/02/07	3605.50	26.32	26.17	0.15	0.12	26.20	3579.30
	10/11/07	3605.50	26.34	26.20	0.14	0.11	26.23	3579.27 3579.40
	10/22/07 10/31/07	3605.50 3605.50	26.28 26.27	26.06 26.14	0.22	0.18	26.10 26.17	3579.40
	11/12/07	3605.50	26.27	26.14	0.13	0.10	26.17	3579.33
	11/12/07	3605.50	26.33	26.14	0.19	0.15	26.18	3579.32
	12/05/07	3605.50	26.35	26.16	0.19	0.15	26.20	3579.30
	12/10/07	3605.50	26.35	26.16	0.19	0.15	26.20	3579.30
	12/20/07	3605.50	26.40	26.21	0.19	0.15	26.25	3579.25
	01/02/08	3605.50	26.47	26.29	0.18	0.14	26.33	3579.17
	01/07/08	3605.50	26.53	26.26	0.27	0.22	26.31	3579.19
	01/28/08	3605.50	26.37	26.14	0.23	0.18	26.19	3579.31
	02/12/08	3605.50	26.51	26.39	0.12	0.10	26.41	3579.09
	02/26/08	3605.50	26.54	26.43	0.11	0.09	26.45	3579.05
MW-8	03/01/01	3605.25	24.29		0.00	0.00	24.29	3580.96
(SVE-5)	06/25/01	3605.25	25.54		0.00	0.00	25.54	3579.71
	09/25/01	3605.25	24.82		0.00	0.00	24.82	3580.43
	12/11/01	3605.25	25.03		0.00	0.00	25.03	3580.22
	05/21/02 06/08/02	3605.25	25.40 25.45		0.00	0.00	25.40 25.45	3579.85 3579.80
	06/08/02	3605.25 3605.25	25.47		0.00	0.00	25.47	3579.80
	10/15/02	3604.92	26.25		0.00	0.00	26.25	3578.67
	10/15/02	3604.92	26.26	 	0.00	0.00	26.26	3578.66
	10/26/02	3604.92	26.25	<u> </u>	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

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-8	06/25/03	3604.92	26.96	26.39	0.57	0.46	26.50	3578.42
(SVE-5)	09/11/03	3604.92	27.13	26.58	0.55	0.44	26.69	3578.23
cont.	11/05/03	3604.92	26.51	26.18	0.33	0.26	26.25	3578.67
	01/19/04	3604.92	27.59	27.00	0.59	0.47	27.12	3577.80
	04/20/04	3604.92	27.56	• 27.11	0.45	0.36	27.20	3577.72
	07/20/04	3604.92	27.40	27.06	0.34	0.27	27.13	3577.79
	10/25/04	3604.92	26.49	25.33	1.16	0.93	25.56	3579.36
	01/24/05	3604.92	25,16	24.22	0.94	0.75	24.41	3580.51
	02/14/05	3604.92	24.96	23.85	1.11	0.89	24.07	3580.85
	03/02/05	3604.92	24.87	23.78	1.09	0.87	24.00	3580.92
	03/08/05	3604.92	24.84	23.84	1.00	0.80	24.04	3580.88
	03/23/05	3604.92	24.81	23.80	1.01	0.81	24.00.	3580.92
	04/18/05	3604.92	24.79	23.89	0.90	0.72	24.07	3580.85
	05/09/05	3604.92	24.59	23.62	0.97	0.78	23.81	3581.11
	06/10/05	3604.92	24.52	23.55	0.97	0.78	23.74	3581.18
	07/18/05	3604.92	24.81 24.72	23.99 23.91	0.82	0.66 0.65	24.15 24.07	3580.77
	10/17/05 12/06/05	3604.92 3604.92	24.72	23.91	0.81	0.63	24.07	3580.85 3580.85
	12/06/05	3604.92	24.68	23.92	0.76	0.50	23.95	3580.85
	12/12/05	3604.92	24.45	23.83	0.82	0.50	23.93	3580.97
	12/21/03	3604.92	24.86	24.06	0.80	0.63	24.22	3580.70
	01/04/06	3604.92	24.83	24.00	0.79	0.63	24.30	3580.70
	01/10/06	3604.92	24.93	24.15	0.78	0.62	24.31	3580.62
•	01/16/06	3604.92	24.92	24.17	0.75	0.60	24.32	3580.60
	01/23/06	3604.92	24.96	24.13	0.83	0.66	24.30	3580.62
	02/01/06	3604.92	25.01	24.24	0.77	0.62	24.39	3580.53
	02/16/06	3604.92	25.08	24.32	0.76	0.61	24.47	3580.45
	03/06/06	3604.92	25.17	24.42	0.75	0.60	24.57	3580.35
	03/29/06	3604.92	25.27	24.52	0.75	0.60	24.67	3580.25
	04/04/06	3604.92	25.29	24.56	0.73	0.58	24.71	3580.21
	04/11/06	3604.92	25.34	24.60	0.74	0.59	24.75	3580.17
	04/17/06	3604.92	25.35	24.62	0.73	0.58	24.77	3580.15
	04/24/06	3604.92	25.39	24.55	0.84	0.67	24.72	3580.20
	05/03/06	3604.92	25.45	24.69	0.76	0.61	24.84	3580.08
	05/31/06	3604.92	25.92	24.83	1.09	0.87	25.05	3579.87
	06/09/06	3604.92	25.01	25.00	0.01	0.01	25.00	3579.92
	06/12/06	3604.92	_ 25.04	25.03	0.01	0.01	25.03	3579.89
	06/26/06	3604.92	25.12	25.11	0.01	0.01	25.11	3579.81
	07/05/06	3604.92	25.19	25.18	0.01	0.01	25.18	3579.74
	07/10/06	3604.92	25.20	25.20	0.00	0.00	25.20	3579.72
	07/17/06	3604.92	25.18	25.16	0.02	0.02	25.16	3579.76
	07/24/06	3604.92	25.09	25.04	0.05	0.04	25.05	3579.87
	08/02/06	3604.92	25.28	25.23	0.05	0.04	25.24	3579.68
	08/14/06	3604.92	25.28	25.23	0.05	0.04	25.24	3579.68
	08/28/06	3604.92	25.38	25.33	0.05	0.04	25.34	3579.58
	09/14/06 09/21/06	3604.92 3604.92	25.26 25.75	25.24 25.70	0.02	0.02	25.24	3579.68 3579.21
	09/21/06	3604.92	25.75	25.70	0.05	0.04	25.71 25.11	3579.21
	10/02/06	3604.92	25.82	25.82	0.00	0.00	25.82	3579.81
	10/02/06	3604.92	24.82	25.62	0.00	0.00	24.82	3579.10
	10/16/06	3604.92	25.14	25.08	0.06	0.05	25.09	3579.83
	10/23/06	3604.92	24.92	24.89	0.03	0.02	24.90	3580.02
	10/30/06	3604.92	25.01	25.01	0.00	0.00	25.01	3579.91
	11/06/06	3604.92	25.01		0.00	0.00	25.01	3579.91
	11/21/06	3604.92	25.03		0.00	0.00	25.03	3579.89
	11/28/06	3604.92	25.01		0.00	0.00	25.01	3579.91
	12/05/06	3604.92	25.01		0.00	0.00	25.01	3579.91
	12/11/06	3604.92	25.02		0.00	0.00	25.02	3579.90
	12/18/06	3604.92	25.04		0.00	0.00	25.04	3579.88
	01/02/07	3604.92	25.09		0.00	0.00	25.09	3579.83
	01/08/07	3604.92	25.04		0.00	0.00	25.04	3579.88
	01/23/07	3604.92	24.91		0.00	0.00	24.91	3580.01
i	02/05/07	3604.92	25.19		0.00	0.00	24.91	3580.01
	02/26/07	3604.92	25.24	25.24	0.00	0.00	25.24	3579.68

		_				L.P.H.		
Well	Sample	Casing	Depth to	Depth to	L.P.H.	Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-8	03/05/07	3604.92	25.32	25.32	0.00	0.00	25.32	3579.60
(SVE-5)	03/13/07	3604.92	25.35	25.35	0.00	0.00	25.35 25.37	3579.57
cont.	03/19/07	3604.92 3604.92	25.37 25.41	25.37 25.41	0.00	0.00	25.41	3579.55 3579.51
	03/26/07	3604.92	25.42	25.42	0.00	0.00	25.42	3579.50
	04/02/07	3604.92	25.24	25.24	0.00	0.00	25.24	3579.68
	05/01/07	3604.92	25.52	25.52	0.00	0,00	25.52	3579.40
	05/29/07	3604.92	25.54	25.54	0.00	0.00	25.54	3579.38
	06/04/07	3604.92	25.55	25.55	0.00	0.00	25.55	3579.37
	06/11/07	3604.92	25.56		0.00	0.00	25.56	3579.36
	06/18/07	3604.92	25.56		0.00	0.00	25.56	3579.36
	06/26/07	3604.92	25.29		0.00	0.00	25.29	3579.63
	07/09/07	3604.92	25.33		0.00	0.00	25.33	3579.59
	07/17/07	3604.92	25.33 25.35	25.25	0.00	0.00	25.33 24.91	3579.59
	07/23/07 07/30/07	3604.92 3604.92	25.34	25.35	0.00	0.00	24.91	3580.01 3580.01
	08/07/07	3604.92	25.35		0.00	0.00	25.35	3579.57
	08/20/07	3604.92	25.37		0.00	0.00	25.37	3579.55
;	08/27/07	3604.92	25.40		0.00	0.00	25.40	3579.52
	09/04/07	3604.92	25.41		0.00	0.00	25.41	3579.51
	09/10/07	3604.92	25.46	25.46	0.00	0.00	25.46	3579.46
	09/25/07	3604.92	25.46	25.45	0.01	0.01	25.45	3579.47
	10/02/07	3604.92	25.41	25.41	0.00	0.00	25.41	3579.51
'	10/11/07	3604.92	25.41	25.41	0.00	0.00	25.41	3579.51
	10/22/07	3604.92	25.31	25.30	0.01	0.01	25.30	3579.62
	10/31/07	3604.92	25.36		0.00	0.00	25.36	3579.56
	11/12/07	3604.92	25.33 25.35		0.00	0.00	25.33 25.35	3579.59 3579.57
	11/19/07 12/05/07	3604.92 3604.92	25.38		0.00	0.00	25.38	3579.54
	12/03/07	3604.92	25.44		0.00	0.00	25.44	3579.48
	12/20/07	3604.92	25.44		0.00	0.00	25.44	3579.48
	01/02/08	3604.92	25.51		0.00	0.00	24.91	3580.01
	01/07/08	3604.92	25.50		0.00	0.00	24.91	3580.01
	01/28/08	3604.92	25.40	25.39	0.01	0.01	25.39	3579.53
	02/12/08	3604.92	25.65	25.65	0.00	0.00	25.65	3579.27
	02/26/08	3604.92	25.70	25.70	0.00	0.00	25.70	3579.22
MW-9	03/01/01	3605.75	26.82	23.68	3.14	2.51	24.31	3581.44
(RW-2)	06/25/01 09/25/01	3605.75 3605.75	24.79 26.28	24.73 25.90	0.06	0.05	25.98	3581.01 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
	09/11/03	3605.75	29.25	27.22	2.03	1.62	27.63 27.74	3578.12
	11/05/03 01/19/04	3605.75 3605.75	29.30 29.94	27.35	1.95 1.44	1.56 1.15	27.74	3578.01 3576.96
	04/20/04	3605.75	29.94	28.91	0.13	0.10	28.94	3576.96
	07/20/04	3605.75	30.09	28.58	1.51	1.21	28.88	3576.87
	10/25/04	3605.75	27.34	27.22	0.12	0.10	27.24	3578.51
	12/29/04	3605.75	26.45	26.44	0.01	0.01	26.44	3579.31
	01/24/05	3605.75	26.23		0.00	0.00	26.23	3579.52
	02/14/05	3605.75	26.13		0.00	0.00	26.13	3579.62
	03/02/05	3605.75	26.12		0.00	0.00	26.12	3579.63
	03/08/05	3605.75	26.09	ļ	0.00	0.00	26.09	3579.66
	03/23/05	3605.75	26.03		0.00	0.00	26.03	3579.72
	04/18/05	3605.75	25.90		0.00	0.00	25.90	3579.85
	05/09/05	3605.75	25.93	 	0.00	0.00	25.93	3579.82
	06/10/05	3605.75 3605.75	25.91		0.00	0.00	25.91	3579.84
	07/18/05	3605.75	25.94	<u> </u>	0.00	0.00	25.94	3579.81

		'				L.P.H.		
Well Number	Sample Date	Casing Ellevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-9	10/17/05	3605.75	25.85		0.00	0.00	25.85	3579.90
(RW-2)	12/28/05	3605.75	25.99		0.00	0.00	25.99	3579.76
cont.	01/23/06	3605.75	26.04	26.03	0.01	0.01	26.03	3579.72
	04/24/06	3605.75	26.44	26.43	0.01	0.01	26.43	3579.32
	07/24/06	3605.75	26.80	26.79	0.01	0.01	26.79	3578.96
	10/23/06	3605.75	26.65		0.00	0.00	26.65	3579.10
	01/23/07	3605.75	26.69	26.00	0.00	0.00	26.69	3579.06
	04/23/07 07/23/07	3605.75 3605.75	27.00 27.14	26.99 27.14	0.01	0.01	26.99	3578.76
	10/22/07	3605.75	27.14	27.14	0.00	0.00	27.14 27.14	3578.61 3578.61
	01/28/08	3605.75	27.19	27.14	0.00	0.00	27.14	3578.56
MW-10	03/01/01	3604.94	25.57	23.53	2.04	1.63	23.94	3578.30
(RW-6)	06/25/01	3604.94	25.95	23.75	2.20	1.76	24.19	3580.75
(1111 0)	09/25/01	3604.94	24.47	23.73	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
	03/02/05	3604.94	24.64	24.00	0.64	0.51	24.13	3580.81
	03/08/05	3604.94	24.61 24.58	23.97	0.64	0.51	24.10	3580.84
	03/23/03	3604.94 3604.94	24.38	23.91 23.77	0.67 0.70	0.54 0.56	24.04 23.91	3580.90
	05/09/05	3604.94	24.47	23.77	0.70	0.55	23.96	3581.03 3580.98
	06/10/05	3604.94	24.50	23.82	0.69	0.55	23.95	3580.99
	07/18/05	3604.94	24.51	23.90	0.61	0.49	24.02	3580.92
	10/17/05	3604.94	24.32	23.89	0.43	0.34	23.98	3580.96
	11/29/05	3604.94	24.22	24.08	0.14	0.11	24.11	3580.83
	12/06/05	3604.94	24.37	24.08	0.29	0.23	24.14	3580.80
	12/12/05	3604.94	24.44	24.11	0.33	0.26	24.18	3580.76
	12/21/05	3604.94	24.46	24.11	0.35	0.28	24.18	3580.76
	12/28/05	3604.94	24.49	24.12	0.37	0.30	24.19	3580.75
	01/04/06	3604.94	24.47	24.11	0.36	0.29	24.18	3580.76
	01/10/06	3604.94	24.49	24.12	0.37	0.30	24.19	3580.75
	01/16/06	3604.94	24.48	24.02	0.46	0.37	24.11	3580.83
	01/23/06	3604.94	24,42	23.99	0.43	0.34	24.08	3580.86
	02/01/06	3604.94	24.44	24.12	0.32	0.26	24.18	3580.76
	02/16/06	3604.94	24.52	24.24	0.28	0.22	24.30	3580.64
	03/06/06	3604.94 3604.94	24.62 24.72	24.33 24.42	0.29	0.23	24.39	3580.55
	03/29/06	3604.94	24.72	24.42	0.30	0.24	24.48 24.51	3580.46 3580.43
	04/04/06	3604.94	24.75	24.49	0.28	0.22	24.54	3580.43
	04/17/06	3604.94	24.77	24.53	0.24	0.19	24.58	3580.40
	04/24/06	3604.94	24.66	24.47	0.19	0.15	24.51	3580.43
	05/03/06	3604.94	24.66	24,62	0.04	0.03	24.63	3580.31
	05/31/06	3604.94	24.80	24.76	0.04	0.03	24.77	3580.17
	06/09/06	3604.94	24.84	24.80	0.04	0.03	24.81	3580.13
	06/12/06	3604.94	24.85	24.81	0.04	0.03	24.82	3580.12
	06/26/06	3604.94	24.96	24.88	0.08	0.06	24.90	3580.04
	07/05/06	3604.94	25.02	24.93	0.09	0.07	24.95	3579.99
	07/10/06	3604.94	25.04	24.95	0.09	0.07	24.97	3579.97
	07/17/06	3604.94	25.06	24.97	0.09	0.07	24.99	3579.95
	07/24/06	3604.94	24.99	24.87	0.12	0.10	24.89	3580.05
	08/02/06	3604.94	25.14	25.06	0.08	0.06	25.08	3579.86
	08/14/06	3604.94	25.08	25.08	0.00	0.00	25.08	3579.86

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-10	08/28/06	3604.94	25.27	25.14	0.13	0.10	25.17	3579.77
(RW-6)	09/14/06	3604.94	25.16	25.05	0.11	0.09	25.07	3579.87
cont.	09/21/06	3604.94	25.08	25.02	0.06	0.05	25.03	3579.91
	09/25/06	3604.94	25.08	25.03	0.05	0.04	25.04	3579.90
	10/02/06	3604.94	25.02	24.98	0.04	0.03	24.99	3579.95
	10/10/06	3604.94	25.01	24.98	0.03	0.02	24.99	3579.95
	10/16/06	3604.94	25.01	24.97	0.04	0.03	24.98	3579.96
	10/23/06	3604.94	24.80	24.75	0.05	0.04	24.76	3580.18
	10/30/06	3604.94	24.96	24.92	0.04	0.03	24.93	3580.01
	11/06/06	3604.94	24.97	24.93	0.04	0.03	24.94	3580.00
	11/21/06	3604.94	24.97	24.91	0.06	0.05	24.92	3580.02
	11/28/06	3604.94	24.96	24.92	0.04	0.03	24.93	3580.01
	12/05/06	3604.94	24.96	24.91	0.05	0.04	24.92	3580.02
	12/11/06	3604.94 3604.94	24.94	24.89 24.89	0.05	0.04	24.90 24.91	3580.04 3580.03
	12/18/06		24.98			0.07	24.99	3579.95
	01/02/07 01/08/07	3604.94 3604.94	25.07 25.09	24.97 25.01	0.10	0.08	25.03	3579.93
	01/08/07	3604.94	24.82	24.77	0.05	0.04	24.78	3580.16
	02/05/07	3604.94	25.20	25.08	0.03	0.10	25.10	3579.84
	02/03/07	3604.94	25.29	25.14	0.12	0.10	25.17	3579.77
	03/05/07	3604.94	25.32	25.14	0.13	0.12	25.21	3579.73
	03/03/07	3604.94	25.33	25.20	0.14	0.10	25.23	3579.71
	03/13/07	3604.94	25.37	25.24	0.13	0.10	25.27	3579.67
	03/26/07	3604.94	25.36	25.24	0.13	0.10	25.26	3579.68
	04/02/07	3604.94	25.40	25.27	0.12	0.10	25.30	3579.64
	04/23/07	3604.94	25.23	25.09	0.14	0.11	25.12	3579.82
	05/01/07	3604.94	25.47	25.36	0.11	0.09	25.38	3579.56
	05/29/07	3604.94	25.53	25.42	0.11	0.09	25.44	3579.50
	06/04/07	3604.94	25.52	25.43	0.09	0.07	25.45	3579.49
	06/11/07	3604.94	25.52	25.44	0.08	0.06	25.46	3579.48
	06/18/07	3604.94	25.52	25.43	0.09	0.07	25.45	3579.49
	06/26/07	3604.94	25.24	25.18	0.06	0.05	25.19	3579.75
	07/09/07	3604.94	25.26	25.20	0.06	0.05	25.21	3579.73
	07/17/07	3604.94	25.28	25.23	0.05	0.04	25.24	3579.70
	07/23/07	3604.94	25.28	25.18	0.10	0.08	25.20	3579.74
	07/30/07	3604.94	25.27	25.22	0.05	0.04	25.23	3579.71
	08/07/07	3604.94	25.28	25.24	0.04	0.03	25.25	3579.69
	08/20/07	3604.94	25.34	25.24	0.10	0.08	25.26	3579.68
	08/27/07	3604.94	25.36	25.28	0.08	0.06	25.30	3579.64
	09/04/07	3604.94	25.35	25.31	0.04	0.03	25.32	3579.62
	09/10/07	3604.94	25.33	25.29	0.04	0.03	25.30	3579.64
	09/25/07	3604.94 3604.94	25.37	25.35	0.02	0.02	25.35	3579.59
	10/02/07		25.38	25.35			25.36 25.29	3579.58 3579.65
	10/11/07 10/22/07	3604.94 3604.94	25.31 25.23	25.28 25.17	0.03	0.02	25.29	3579.65 3579.76
	10/22/07	3604.94	25.23	25.30	0.00	0.03	25.30	3579.76
	11/12/07	3604.94	25.27	25.26	0.01	0.01	25.26	3579.68
	11/19/07	3604.94	25.31	25.30	0.01	0.01	25.30	3579.64
	12/05/07	3604.94	25.31	25.29	0.02	0.02	25.29	3579.65
	12/10/07	3604.94	25.35	25.32	0.03	0.02	25.33	3579.61
	12/20/07	3604.94	25.37	25.35	0.02	0.02	25.35	3579.59
	01/02/08	3604.94	25.44	25.43	0.01	0.01	25.43	3579.51
	01/07/08	3604.94	25.50	25.43	0.07	0.06	25.44	3579.50
	01/28/08	3604.94	25.36	25.26	0.10	0.08	25.28	3579.66
	02/12/08	3604.94	25.58	25.56	0.02	0.02	25.56	3579.38
	02/26/08	3604.94	25.63	25.60	0.03	0.02	25.61	3579.33
MW-11	03/01/01	3608.06	27.09		0.00	0.00	27.09	3580.97
(RW-7)	06/25/01	3608.06	27.30		0.00	0.00	27.30	3580.76
,	09/25/01	3608.06	28.26	27.51	0.75	0.60	27.66	3580.40
	12/11/01	3608.06	28.36	27.50	0.86	0.69	27.67	3580.39
	05/21/02	3608.06	29.67	27.60	2.07	1.66	28.01	3580.05
	06/16/02	3608.06	30.95	28.48	2.47	1.98	28.97	3579.09

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-11	10/25/02	3608.06	30.73	27.90	2.83	2.26	28.47	3579.59
(RW-7)	11/04/02	3608.06	30.81	27.95	2.86	2.29	28.52	3579.54
cont.	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
	04/18/05	3608.06	27.75	27.73	0.02	0.02	27.73	3580.33
	07/18/05	3608.06	28.00	27.99	0.01	0.01	27.99	3580.07
	10/17/05	3608.06	27.90	27.89	0.01	0.01	27.89	3580.17
	12/28/05	3608.06	28.06	28.04	0.02	0.02	28.04	3580.02
	01/10/06	3608.06	28.10	28.09	0.01	0.01	28.09	3579.97
	01/23/06	3608.06	28.05	28.03	0.02	0.02	28.03	3580.03
	04/24/06	3608.06	28.44	28.40	0.04	0.03	28.41	3579.65
	07/24/06	3608.06	28.90	28.75	0.15	0.12	28.78	3579.28
	10/23/06	3608.06	28.74	28.65	0.09	0.07	28.67	3579.39
	01/23/07	3608.06	28.75	28.75	0.00	0.00	28.75	3579.31
	04/23/07	3608.06	29.11	28.99	0.12	0.10	29.01	3579:05
	07/23/07	3608.06	29.16	29.13	0.12	0.02	29.14	3578.92
	10/22/07	3608.06	29.18	29.16	0.03	0.02	29.16	3578.90
	01/28/08	3608.06	29.22	29.20	0.02	0.02	29.20	3578.86
MW-12	03/01/01	3604.40	23.87	29.20	0.02	0.02	23.87	3580.53
(SVE-9)	06/25/01	3604.40	24.14		0.00	0.00	24.14	3580.26
(3 (E-3)	09/25/01	3604.40	24.14		0.00	0.00	24.38	3580.20
	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	l	0.00	0.00	25.64	3578.76
	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	1	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
	04/18/05	3604.14	23.55		0.00	0.00	23.55	3580.59
	07/18/05	3604.14	23.71		0.00	0.00	23.71	3580.43
	10/17/05	3604.14	23.65		0.00	0.00	23.65	3580.49
	01/10/06	3604.14	23.86	1	0.00	0.00	23.86	3580.28
	01/23/06	3604.14	23.89	1	0.00	0.00	23.89	3580.25
	04/24/06	3604.14	24.31	1	0.00	0.00	24.31	3579.83
	07/24/06	3604.14	24.70	1	0.00	0.00	24.70	3579.44
	10/23/06	3604.14	24.55	<u> </u>	0.00	0.00	24.55	3579.59
	01/23/07	3604.14	24.60	t	0.00	0.00	24.60	3579.54
	04/23/07	3604.14	24.92	 	0.00	0.00	24.92	3579.22
	07/23/07	3604.14	25.02	 	0.00	0.00	25.02	3579.12
	10/22/07	3604.14	24.98		0.00	0.00	24.98	3579.12
	10/22/07	2.007.17	27.70	1	0.00	0.00	25.09	3579.05

		-				L.P.H.		
Well	Sample	Casing	Depth to	Depth to	L.P.H.	Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
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 25.23	3579.36 3579.08
	09/25/01 12/11/01	3604.31 3604.31	25.23 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 25.88	3578.36 3578.43
	01/22/03	3604.31 3604.31	25.88 25.93		0.00	0.00	25.93	3578.38
	02/14/03	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
	04/18/05	3604.31 3604.31	23.46		0.00	0.00	23.46	3580.85 3580.53
F	07/18/05 10/17/05	3604.31	23.78		0.00	0.00	23.78	3580.59
	01/23/06	3604.31	24.02		0.00	0.00	24.02	3580.29
	04/24/06	3604.31	24.50		0.00	0.00	24.50	3579.81
	07/24/06	3604.31	24.93		0.00	0.00	24.93	3579.38
	10/23/06	3604.31	24.66		0.00	0.00	24.66	3579.65
	01/23/07	3604.31	24.76		0.00	0.00	24.76	3579.55
	04/23/07	3604.31	25.12		0.00	0.00	25.12	3579.19
	07/23/07	3604.31	25.16		0.00	0.00	25.16	3579.15
	10/22/07	3604.31	25.04		0.00	0.00	25.04	3579.27
	01/28/08	3604.31	25.25		0.00	0.00	25.25	3579.06
MW-14	03/01/01	3604.11	23.96		0.00	0.00	23.96	3580.15
(SVE-11)	06/25/01 09/25/01	3604.11 3604.11	24.14 24.45		0.00	0.00	24.14 24.45	3579.97 3579.66
	12/11/01	3604.11	24.43		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	ļ	0.00	0.00	26.11	3577.66
	09/11/03	3603.77	26.26		0.00	0.00	26.26	3577.51
	10/15/03 01/19/04	3603.77	26.41 26.68		0.00	0.00	26.41 26.68	3577.36
	04/19/04	3603.77 3603.77	26.68		0.00	0.00	26.61	3577.09 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	3577.02
	01/24/05	3603.77	23.76		0.00	0.00	23.76	3580.01
	04/18/05	3603.77	23.58	_	0.00	0.00	23.58	3580.19
	07/18/05	3603.77	23.83		0.00	0.00	23.83	3579.94
	10/17/05	3603.77	23.77		0.00	0.00	23.77	3580.00
	01/23/06	3603.77	24.03		0.00	0.00	24.03	3579.74
	04/24/06	3603.77	24.41		0.00	0.00	24.41	3579.36
	07/24/06	3603.77	24.80		0.00	0.00	24.80	3578.97
	10/23/06	3603.77	24.70		0.00	0.00	24.70	3579.07
	01/23/07	3603.77	24.79	L	0.00	0.00	24.79	3578.98

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	04/23/07	3603.77	25.06		0.00	0.00	25.06	3578.71
(SVE-11)	07/23/07	3603.77	25.19		0.00	0.00	25.19	3578.58
cont.	10/22/07	3603.77	25.20		0.00	0.00	25.20	3578.57
23	01/28/08	3603.77	25.30		0.00	0.00	25.30	3578.47
MW-15	03/01/01	3609.78	28.26	28.20	0.06	0.05	28.21	3581.57
(SVE-12)	06/25/01	3609.78	28.90	28.24	0.66	0.53	28.37	3581.41
	09/25/01	3609.78	NM		0.00	0.00		-
	12/11/01	3609.78	NM		0.00	0.00		
	05/21/02	3609.78	29.77	28.98	0.79	0.63	29.14	3580.64
	06/08/02	3609.78	29.85	29.05	0.80	0.64	29.21	3580.57
	06/15/02	3609.23	30.42	29.65	0.77	0.62	29.80	3579.43
	10/25/02	3609.23	30.57	29.67	0.90	0.72	29.85	3579.38
	11/04/02	3609.23	30.62	29.80	0.82	0.66	29.96	3579.27
	11/22/02	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
	04/18/05	3609.23	28.40		0.00	0.00	28.40	3580.83
	07/18/05	3609.23	28.39		0.00_	0.00	28.39	3580.84
	10/17/05	3609.23	28.29		0.00	0.00	28.29	3580.94
	01/23/06	3609.23	28.44		0.00	0.00	28.44	3580.79
	04/24/06	3609.23	28.72		0.00	0.00	28.72	3580.51
	07/24/06	3609.23	29.12		0.00	0.00	29.12	3580.11
	10/23/06	3609.23	29.05		0.00	0.00	29.05	3580.18
	01/23/07	3609.23	29.12		0.00	0.00	29.12	3580.11
	04/23/07	3609.23	29.36		0.00	0.00	29.36	3579.87
	07/23/07	3609.23	29.53		0.00	0.00	29.53	3579.70
	10/22/07	3609.23	29.61		0.00	0.00	29.61	3579.62
1007.16	01/28/08	3609.23	29.65		0.00	0.00	29.65	3579.58
MW-16	03/01/01	3606.31	25.57		0.00	0.00	25.57	3580.74
	06/25/01	3606.31	25.78	 	0.00	0.00	25.78 26.01	3580.53 3580.30
	09/25/01	3606.31	26.01		0.00	0.00		
	12/11/01 05/21/02	3606.31 3606.31	26.21 26.57	-	0.00	0.00	26.21 26.57	3580.10 3579.74
	05/21/02	3606.31	26.64		0.00	0.00	26.64	3579.74
	06/15/02	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
	10/13/02	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	3579.43
	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	3579.40
	02/14/03	3606.31	26.95		0.00	0.00	26.95	3579.36
	02/14/03	3606.31	26.95	1	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	27.10	-	0.00	0.00	27.25	3579.06
	08/02/03	3606.31	27.27		0.00	0.00	27.27	3579.04

						L.P.H.		
Well	Sample	Casing	Depth to	Depth to	L.P.H.	Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-16	09/11/03	3606.31	27.35		0.00	0.00	27.35	3578.96
cont.	10/15/03	3606.31	27.49		0.00	0.00	27.49 27.68	3578.82 3578.63
	01/19/04 04/19/04	3606.31 3606.31	27.68 27.78		0.00	0.00	27.78	3578.53
	07/20/04	3606.31	27.78	<u> </u>	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
	04/18/05	3606.31	24.91		0.00	0.00	24.91	3581.40
	07/18/05	3606.31	25.04		0.00	0.00	25.04	3581.27
	10/17/05	3606.31	24.99		0.00	0.00	24.99	3581.32
	01/23/06	3606.31	25.20		0.00	0.00	25.20	3581.11
	04/24/06	3606.31	25.56		0.00	0.00	25.56	3580.75
	07/24/06	3606.31	25.90	-	0.00	0.00	25.90	3580.41
	10/23/06	3606.31	25.84 25.94		0.00	0.00	25.84 25.94	3580.47 3580.37
	01/23/07 04/23/07	3606.31 3606.31	26.16		0.00	0.00	26.16	3580.37
	07/23/07	3606.31	25.33	 	0.00	0.00	25.33	3580.13
	10/22/07	3606.31	26.40		0.00	0.00	26.40	3579.91
_	01/28/08	3606.31	26.45		0.00	0.00	26.45	3579.86
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 28.81	3580.23 3580.22
	06/13/02 06/15/02	3609.03 3609.03	28.81 28.81		0.00	0.00	28.81	3580.22
	09/20/02	3609.03	29.00		0.00	0.00	29.00	3580.22
	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 01/22/03	3609.03 3609.03	NM, dry 29.15		0.00	0.00	29.15	3579.88
	02/08/03	3609.03	29.16	· · · · · 	0.00	0.00	29.16	3579.88
	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 01/19/04	3609.03 3609.03	29.70 29.88		0.00	0.00	29.70 29.88	3579.33 3579.15
	04/19/04	3609.03	29.88 NM, dry	ļ	0.00	0.00	27.00	3317.13
	07/20/04	3609.03	NM, dry			<u> </u>		
	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
	04/18/05	3609.03	27.31		0.00	0.00	27.31	3581.72
	07/18/05	3609.03	27.35		0.00	0.00	27.35	3581.68
	10/17/05	3609.03	27.26		0.00	0.00	27.26	3581.77
	01/23/06	3609.03	27.45		0.00	0.00	27.45	3581.58
	04/24/06	3609.03	27.79		0.00	0.00	27.79	3581.24
	07/24/06	3609.03	28.11		0.00	0.00	28.11	3580.92
	10/23/06	3609.03	28.08		0.00	0.00	28.08 28.17	3580.95
	01/23/07 04/23/07	3609.03 3609.03	28.17 28.37		0.00	0.00	28.17	3580.86 3580.66
	07/23/07	3609.03	28.54		0.00	0.00	28.54	3580.66
	10/22/07	3609.03	28.66	 	0.00	0.00	28.66	3580.49
	01/28/08	3609.03	28.68	 	0.00	0.00	28.68	3580.35

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	03/01/01	3605.71	25.59		0.00	0.00	25.59	3580.12
(SVE-13)	06/25/01	3605.71	25.85		0.00	0.00	25.85	3579.86
	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 27.35	3577.79 3577.99
	11/05/02 11/22/02	3605.34 3605.34	27.35 27.38		0.00	0.00	27.38	3577.96
					0.00	0.00	27.43	
	01/22/03	3605.34	27.43		0.00	0.00	27.46	3577.91 3577.88
	02/24/03 04/07/03	3605.34 3605.34	27.46 27.57		0.00	0.00	27.57	3577.77
	04/07/03	3605.34	27.58		0.00	0.00	27.58	3577.76
	04/24/03	3605.34	27.78	 	0.00	0.00	27.78	3577.56
	08/02/03	3605.34	27.78		0.00	0.00	27.83	3577.51
	08/02/03	3605.34	28.01		0.00	0.00	28.01	3577.33
	10/15/03	3605.34	28.01		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	<u> </u>	0.00	0.00	25.37	3579.97
	04/18/05	3605.34	25.15		0.00	0.00	25.15	3580.19
	07/18/05	3605.34	25.36		0.00	0.00	25.36	3579.98
	10/17/05	3605.34	25.33		0.00	0.00	25.33	3580.01
	01/23/06	3605.34	25.59		0.00	0.00	25.59	3579.75
	04/24/06	3605.34	26.01		0.00	0.00	26.01	3579.33
	07/24/06	3605.34	26.41		0.00	0.00	26.41	3578.93
	10/23/06	3605.34	26.25		0.00	0.00	26.25	3579.09
	01/23/07	3605.34	26.32		0.00	0.00	26.32	3579.02
	04/23/07	3605.34	26.63		0.00	0.00	26.63	3578.71
	07/23/07	3605.34	26.73		0.00	0.00	26.73	3578.61
	10/22/07	3605.34	26.70		0.00	0.00	26.70	3578.64
	01/28/08	3605.34	26.81		0.00	0.00	26.81	3578.53
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	<u> </u>	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	ļ.	0.00	0.00	28.57	3578.12
	10/22/02	3606.69	28.57 28.55	-	0.00	0.00	28.57	3578.12 3578.14
	10/25/02 10/26/02	3606.69 3606.69	28.53	 	0.00	0.00	28.55 28.58	3578.14
	11/04/02	· 3606.69	28.58	-	0.00	0.00	28.58	3578.11
	11/04/02	3606.69	28.56	 	0.00	0.00	28.56	3578.11
	11/03/02	3606.69	28.55		0.00	0.00	28.55	3578.13
	11/22/02	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	3578.13
	02/08/03	3606.69	28.50	 	0.00	0.00	28.50	3578.19
	02/08/03	3606.69	28.51		0.00	0.00	28.51	3578.18
	02/14/03	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

Well	Sample	Casing	Depth to	Depth to	L.P.H.	L.P.H. Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water_	Elevation
MW-19	10/15/03	3606.69	29.18		0.00	0.00	29.18	3577.51
cont.	01/19/04	3606.69	29.42		0.00	0.00	29.42 29.40	3577.27 3577.29
	04/19/04 07/20/04	3606.69 3606.69	29.40 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
	04/18/05	3606.69	26.11	1	0.00	0.00	26.11	3580.58
	07/18/05	3606.69	26.40		0.00	0.00	26.40	3580.29
	10/17/05	3606.69	26.41		0.00	0.00	26.41	3580.28
	01/23/06	3606.69	26.68		0.00	0.00	26.68	3580.01
	04/24/06	3606.69	27.09		0.00	0.00	27.09	3579.60
	07/24/06	3606.69	27.49		0.00	0.00	27.49	3579.20
	10/23/06	3606.69	27.37		0.00	0.00	27.37	3579.32
	01/23/07	3606.69	27.46		0.00	0.00	27.46	3579.23
	04/23/07	3606.69	27.76		0.00	0.00	27.76	3578.93
	07/23/07	3606.69	27.85	·	0.00	0.00	27.85	3578.84
	10/22/07	3606.69	27.83	<u></u>	0.00	0.00	27.83	3578.86
NANY 20	01/28/08	3606.69	27.95	_	0.00	0.00	27.95	3578.74
MW-20	03/01/01 06/08/01	3606.25 3606.25	30.24 31.26		0.00	0.00	30.24 31.26	3576.01 3574.99
	06/08/01	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
	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
Į.	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 11/05/02	3606.25	31.56 31.56		0.00	0.00	31.56 31.56	3574.69 3574.69
	11/03/02	3606.25 3606.25	31.59		0.00	0.00	31.59	3574.66
	11/22/02	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 3606.25	31.95 32.04		0.00	0.00	31.95 32.04	3574.30 3574.21
	10/15/03	3606.25	32.04		0.00	0.00	32.04	3574.21
	01/19/04	3606.25	32.17		0.00	0.00	32.17	3573.90
	04/19/04	3606.25	32.46		0.00	0.00	32.46	3573.79
	07/20/04	3606.25	32.59		0.00	0.00	32.59	3573.66
	10/25/04	3606.25	31.22		0.00	0.00	31.22	3575.03
	01/24/05	3606.25	29.97		0.00	0.00	29.97	3576.28
	04/18/05	3606.25	29.78		0.00	0.00	29.78	3576.47
	07/18/05	3606.25	29.85		0.00	0.00	29.85	3576.40
	10/17/05	3606.25	29.75		0.00	0.00	29.75	3576.50
	01/23/06	3606.25	29.95		0.00	0.00	29.95	3576.30
	04/24/06	3606.25	30.28		0.00	0.00	30.28	3575.97
	07/24/06	3606.25	30.59		0.00	0.00	30.59	3575.66
	10/23/06	3606.25	30.55		0.00	0.00	30.55	3575.70
	01/23/07	3606.25	30.68		0.00	0.00	30.68	3575.57
	04/23/07	3606.25	30.89	<u> </u>	0.00	0.00	30.89	3575.36 3575.17
	07/23/07 10/22/07	3606.25 3606.25	31.08 31.16		0.00	0.00	31.08 31.16	3575.17 3575.09
	01/28/08	3000.23	31.16	L	0.00	0.00	31.16	3575.09

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-21	06/08/02	3603.51	24.62		0.00	0.00	24.62	3578.89
	06/13/02	3603.51	24.61		0.00	0.00	24.61	3578.90
	06/15/02	3603.51	24.63		0.00	0.00	24.63	3578.88
	09/20/02	3603.51	24.81		0.00	0.00	24.81	3578.70
	10/15/02 10/22/02	3603.51 3603.51	24.86 24.88		0.00	0.00	24.86 24.88	3578.65 3578.63
	10/22/02	3603.51	24.88		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	ļ	0.00	0.00	24.95	3578.56
	01/22/03	3603.51 3603.51	24.88 24.89		0.00	0.00	24.88 24.89	3578.63 3578.62
	02/08/03	3603.51	24.89		0.00	0.00	24.89	3578.62
	02/24/03	3603.51	24.90	<u> </u>	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	<u> </u>	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 04/19/04	3603.51 3603.51	25.68 25.68		0.00	0.00	25.68 25.68	3577.83 3577.83
	07/20/04	3603.51	25.81		0.00	0.00	25.81	3577.70
1	10/25/04	3603.51	23.56		0.00	0.00	23.56	3579.95
	01/24/05	3603.51	22.70		0.00	0.00	22.70	3580.81
	04/18/05	3603.51	22.64		0.00	0.00	22.64	3580.87
	07/18/05	3603.51	22.88		0.00	0.00	22.88	3580.63
	10/17/05	3603.51	22.88	ļ	0.00	0.00	22.88	3580.63
	01/23/06 04/24/06	3603.51 3603.51	23.13	· -··	0.00	0.00	23.13	3580.38 3580.02
	07/24/06	3603.51	23.49		0.00	0.00	23.49	3579.65
	10/23/06	3603.51	23.82		0.00	0.00	23.82	3579.69
	01/23/07	3603.51	23.92		0.00	0.00	23.92	3579.59
	04/23/07	3603.51	24.15		0.00	0.00	24.15	3579.36
1	07/23/07	3603.51	24.32		0.00	0.00	24.32	3579.19
1	10/22/07	3603.51	24.35		0.00	0.00	24.35	3579.16
MW-22	01/28/08 06/08/02	3603.51 3603.27	24.45 24.20		0.00	0.00	24.45 24.20	3579.06 3579.07
IVI VV-22	06/08/02	3603.27	24.20	<u> </u>	0.00	0.00	24.20	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	ļ	0.00	0.00	24.66	3578.61
	10/26/02 11/04/02	3603.27 3603.27	24.70 24.63	ļ	0.00	0.00	24.70 24.63	3578.57
	11/04/02	3603.27	24.63		0.00	0.00	24.55	3578.64 3578.72
	11/03/02	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 04/07/03	3603.27 3603.27	24.50 24.67		0.00	0.00	24.50 24.67	3578.77 3578.60
	04/07/03	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	L	0.00	0.00	25. <u>6</u> 0	3577.67



						L.P.H.		
Well	Sample	Casing	Depth to	Depth to	L.P.H.	Thickness X	Adjusted Depth	Groundwater
Number	Date	Elevation	Water	L.P.H.	Thickness	0.8	to Water	Elevation
MW-22	04/19/04	3603.27	25.59		0.00	0.00	25.59	3577.68
cont.	07/20/04	3603.27	25.35		0.00	0.00	25.35	3577.92
cont.	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
	04/18/05	3603.27	21.95		0.00	0.00	21.95	3581.32
	07/18/05	3603.27	22.25		0.00	0.00	22.25	3581.02
	10/17/05	3603.27	22.17		0.00	0.00	22.17	3581.10
	01/23/06	3603.27	22.17		0.00	0.00	22.49	3580.78
	04/24/06	3603.27	22.99		0.00	0.00	22.99	3580.28
	07/24/06	3603.27	23.42		0.00	0.00	23.42	3579.85
	10/23/06	3603.27	23.09		0.00	0.00	23.09	3580.18
	01/23/07	3603.27	23.17		0.00	0.00	23.17	3580.10
	04/23/07	3603.27	23.56		0.00	0.00	23.56	3579.71
	07/23/07	3603.27	23.57		0.00	0.00	23.57	3579.70
	10/22/07	3603.27	23.58	 	0.00	0.00	23.58	3579.69
	01/28/08	3603.27	23.63		0.00	0.00	23.63	3579.64
MW-23	06/08/02	3604.62	25.15	-	0.00	0.00	25.15	3579.47
111 11 -43	06/08/02	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	1	0.00	0.00	25.85	3578.77
	10/15/03	3604.62	26.02		0.00	0.00	26.02	3578.60
	01/19/04	3604.62	26.31		0.00	0.00	26.31	3578.31
	04/19/04	3604.62	26.34		0.00	0.00	26.34	3578.28
	07/20/04	3604.62	26.17		0.00	0.00	26.17	3578.45
	10/25/04	3604.62	24.56		0.00	0.00	24.56	3580.06
	01/24/05	3604.62	23.25		0.00	0.00	23.25	3581.37
	04/18/05	3604.62	22.85		0.00	0.00	22.85	3581.77
	07/18/05	3604.62	23.04		0.00	0.00	23.04	3581.58
	10/17/05	3604.62	22.97		0.00	0.00	22.97	3581.65
	01/23/06	3604.62	23.22		0.00	0.00	23.22	3581.40
	04/24/06	3604.62	23.69		0.00	0.00	23.69	3580.93
	07/24/06	3604.62	24.12		0.00	0.00	24.12	3580.50
	10/23/06	3604.62	23.85		0.00	0.00	23.85	3580.77
	01/23/07	3604.62	23.86		0.00	0.00	23.86	3580.76
	04/23/07	3604.62	24.24		0.00	0.00	24.24	3580.38
	07/23/07	3604.62	24.28		0.00	0.00	24.28	3580.34
	10/22/07	3604.62	24.26		0.00	0.00	24.26	3580.36
	01/28/08	3604.62	24.34		0.00	0.00	24.34	3580.28

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
SVE-10	06/15/02	3605.12	25.24		0.00	0.00	25.24	3579.88
Ì	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
Ì	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
ļ	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
ĺ	10/25/04	3605.12	25.22		0.00	0.00	25.22	3579.90
,	01/24/05	3605.12	24.01		0.00	0.00	24.01	3581.11
	04/18/05	3605.12	23.79		0.00	0.00	23.79	3581.33
	07/18/05	3605.12	23.91		0.00	0.00	23.91	3581.21
	10/17/05	3605.12	23.89		0.00	0.00	23.89	3581.23
	01/23/06	3605.12	24.11		0.00	0.00	24.11	3581.01
	04/24/06	3605.12	24.50		0.00	0.00	24.50	3580.62
Ì	07/24/06	3605.12	24.87		0.00	0.00	24.87	3580.25
	10/23/06	3605.12	24.76		0.00	0.00	24.76	3580.36
1	01/23/07	3605.12	24.84		0.00	0.00	24.84	3580.28
	04/23/07	3605.12	25.11		0.00	0.00	25.11	3580.01
ĺ	07/23/07	3605.12	25.24	i	0.00	0.00	25.24	3579.88
l	10/22/07	3605.12	25.27		0.00	0.00	25.27	3579.85
l	01/28/08	3605.12	25.34		0.00	0.00	25.34	3579.78

Notes:

L.P.H = Liquid Phase Hydrocarbons

NM = Not Measured

Blank Fields Indicate No Data

Same Measurements of L.P.H. and Water Indicate a Sheen is Present

Table 2a Summary of Groundwater Analytical Data - Organics

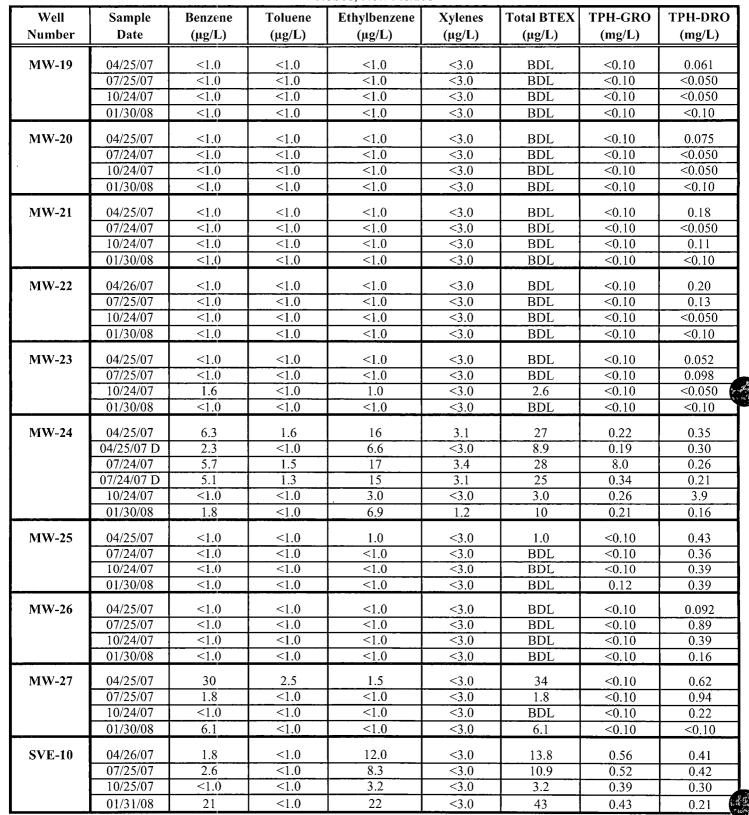
ConocoPhillips East Hobbs Junction Hobbs, New Mexico

			П	obbs, New Mexic	JU			
Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)
MW-4	04/25/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.058
1.2	07/25/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.26
	10/24/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.051
	01/30/08	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	< 0.10
MW-5	04/25/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.23
WI W -3	07/25/07	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.23
	10/24/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.33
	01/30/08	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.11
			· · ·					
MW-6	04/26/07	1,500	1,200	310	660	3,670	15	6.7
	07/25/07	690	360	170	250	1,470	6.6	4.6
	10/25/07	550	390	150	180	1,270	4.5	4.4
	10/25/07 D	930	840	220	380 520	2,370	8.5 11	21.0 8.9
	01/31/08 01/21/08 D	1,200 1,200	1,200	310 300	550	3,230 3,150	12	9.1
	01/31/08 D	1,200	1,100	300	330	3,130	12	9.1
MW-12	04/26/07	3,200	<1.0	230	200	3,630	14	0.58
	04/26/07 D	3,100	<1.0	200	200	3,500	14	0.60
	07/25/07	3,000	<1.0	110	140	3,250	14	0.86
	07/25/07 D	3,500	3.8	210	220	3,934	15	1.7
	10/25/07	2,700	<1.0	96	140	2,936	12	0.60
	10/25/07 D	2,900	<1.0	180	180	3,260	14	0.95
]	01/31/08	2,800	<1.0	200	180	3,180	12	0.63
	01/31/08 D	3,100	<1.0	280	255	3,635	13	0.67
MW-13	04/25/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.10
	07/25/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.096
	10/24/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.086
	01/30/08	<1.0	<1.0	<1.0	< 3.0	BDL	< 0.10	< 0.10
MW-14	04/26/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.13
1/1//-14	07/25/07	<1.0	<1.0	<1.0	<3.0	BDL	0.10	0.20
1	10/25/07	<1.0	<1.0	<1.0	<3.0	BDL	0.12	0.098
	01/30/08	<1.0	<1.0	<1.0	<3.0	BDL	0.11	0.12
MW-15	04/25/07			3.7	<3.0			
[V] VV-15	07/24/07	<1.0 4.7	<1.0 <1.0	4.5	<3.0	9.2	0.43 0.22	3.6
	10/24/07	<1.0	<1.0	3.0	<3.0	3.0	0.26	3.9
J	01/30/08	1.5	<1.0	<1.0	<3.0	1.5	0.55	5.7
MW-16								
WI W-10	04/25/07 07/24/07	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	BDL BDL	<0.10 <0.10	0.12
	10/24/07	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	<0.00
	01/30/00	1.0	1.0	1.0	٠٥.٥	BBE	·0.10	VO.10
MW-17	04/25/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.16
	07/24/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.08
	10/24/07	<1.0	<1.0	<1.0	<3.0	BDL	< 0.10	0.20
	01/30/08	<1.0	<1.0	<1.0	<3.0	BDL	<0.10	0.25
MW-18	04/26/07	3,000	<1.0	230	200	3,430	9.2	0.30
	07/25/07	2,700	<1.0	96	87	2,883	9.6	0.42
	10/25/07	2,600	<1.0	81	83	2,764	7.9	0.29
	01/30/08	3,500	<1.0	78	51	3,629	7.0	0.29

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Table 2a Summary of Groundwater Analytical Data - Organics

ConocoPhillips
East Hobbs Junction
Hobbs, New Mexico



Notes:

 μ g/L = micrograms per liter mg/L = milligrams per liter

BDL = below detection limit

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

D = duplicate sample

East Hobbs Junction Hobbs, New Mexico

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(mg/L)	(mg/L)
MW-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
	04/20/05	<1.0	<1.0	<1.0	<3.0	< 0.10	<0.048
	07/20/05	<1.0	<1.0	<1.0	<3.0	< 0.10	0.31
1	10/19/05	<1.0	<1.0	<1.0	<3.0	< 0.10	0.093
	01/25/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.23
	04/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.073
	07/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.34
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
1	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.15
l .	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.058
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.26
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.051
	01/30/08	<1.0	<1.0	<1.0	<3.0	<0.10	<0.10
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 0.92
	11/15/00	8.1	0.78	<0.5 0.65	<2 <2	0.26 0.66	< 0.54
	03/06/01	19	26	2.3	<2	0.87	< 0.53
	09/26/01	85	46	2.8	18	0.87	<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
ĺ	10/16/02	273	179	<10	42	1.60	0.188
	01/23/03	1,980	1,480	68	594	10	0.168
	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
ŀ	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
	04/20/05	79	36	<1.0	43	0.42	0.064

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(mg/L)	(mg/L)
MW-5	07/20/05	4.9	4.4	<1.0	<3.0	< 0.10	0.083
cont.	10/19/05	14	9.6	<1.0	11	< 0.10	0.089
	01/25/06	2.1	2.8	<1.0	<3.0	< 0.10	0.53
	04/26/06	<1.0	1.4	<1.0	< 3.0	< 0.10	0.11
	07/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.19
	10/25/06	<1.0	1.1	<1.0	<3.0	< 0.10	0.08
	01/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.15
	04/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.23
	07/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.34
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.33
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	0.11
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
	07/20/05	2,000	920	340	870	12	3.0
	10/20/05	1,700	1,100	300	940	1.7	5.9
	01/26/06	2,000	770	250	700	16	5.8
l	07/27/06	1,900	250	280	380	11	22.0
	10/26/06	1,600	810	360	690	14	15.0
	01/26/07	1,100	750	280	500	14	29.0
	04/26/07	1,500	1,200	310	660	15	6.7
	07/25/07	690	360	170	250	6.6	4.6
	10/25/07	550	390	150	180	4.5	4.4
	10/25/07 D	930	840	220	380	8.5	21.0
	01/31/08	1,200	1,200	310	520	11	8.9
MW-8	01/31/08 D 01/13/00	1,200 <0.5	1,100	300 <0.5	550	12	9.1 <2.0
W1 W-8	04/06/00	<0.5	<0.5	<0.5	<0.5 <2	<2.0 <1.0	<1.0
1	04/06/00	<0.5	<0.5	<0.5	<2	<0.94	<0.94
	11/15/00	<0.5	<0.5	<0.5	<2	<1.0	0.86
	03/06/01	<0.5	<0.5	<0.5	<2	<1.0	<0.54
	06/25/01	<0.5	<0.5	<0.5	<2	<0.10	<0.55
	09/26/01	54	0.6	<0.5	2.4	0.24	< 0.50
	12/12/01	593	18	8.5	48	1.56	0.107
	05/21/02	912	56.9	50	91.7	2.90	<0.101
	10/16/02	NA NA	NA	NA NA	NA	NA	0.269
ŀ	01/22/03	2,520	406	252	398	10.5	1.73
	01/31/08	2,300	270	340	890	30	130
MW-10	01/13/00	4,100	490	440	720	<2.0	<2.0
1	04/06/00	400	53	66	98	<1.0	<1.0
<u></u>	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
1	08/02/00	3,900	2,100	260	510	2.50	2.50
i	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
l	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

Well Number	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DR (mg/L)
MW-12	01/23/03	3,610	346	261	437	20.1	0.442
cont.	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	1.20
	01/27/05 D	3,900	<20	67	130	15	1.30
	04/21/05	2,700	41	120	140	12	1.20
	04/21/05 D	2,600	38	110	140	12	1.00
	07/21/05	3,000	51	160	170	13	0.85
	07/21/05 D	2,800	54	150	160	13	0.73
	10/20/05	2,300	<1.0	95	170	15	1.0
	10/20/05 D	2,100	21	100	160	13	0.95
	01/26/06	2,800	<1.0	59	140	14	0.89
	01/26/06 D	2,900	13	160	150	14	0.43
	04/27/06	2,700	<1.0	130	120	12	0.84
	4/27/06 D	2,900	<1.0	120	130	13	1.00
	07/27/06	3,600	<1.0	150	160	15	1.00
	7/27/06 D	3,700	<1.0	150	160	15	1.30
	10/26/06	3,400	<1.0	120	170	13	0.64
	10/26/06 D	3,400	<1.0	190	180	14	0.92
	01/26/07	3,000	<1.0	160	160	14	1.00
	01/26/07 D	3,200	<1.0	150	170	15	1.30
	04/26/07	3,200	<1.0	230	200	14	0.58
	4/26/07 D	3,100	<1.0	200	200	14	0.60
	07/25/07	3,000	<1.0	110	140	14	0.86
	07/25/07 D	3,500	3.8	210	220	15	1.7
	10/25/07	2,700	<1.0	96	140	12	0.60
	10/25/07 D	2,900	<1.0	180	180	14	0.95
	01/31/08	2,800	<1.0	200	180	12	0.63
3.6337.13	01/31/08 D	3,100	<1.0	280	255	13	0.67
MW-13	06/02/00	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<2 <2	<1.0 <0.99	<1.0 <0.99
	08/02/00 11/15/00	<0.5	<0.5	<0.5	<2	<0.10	1.10
	03/06/01	<0.5	<0.5	<0.5	<2	<0.10	0.50
	06/25/01	480	1	<0.5	<2	2	<0.53
	09/26/01	<0.5	<0.5	<0.5	<2	<0.10	<0.51
	12/12/01	<1.00	<1.00	<1.00	<1.00	<0.10	0.132
	05/21/02	<1.00	<1.00	<1.00	<1.00	<0.10	< 0.101
	10/16/02	NA	NA NA	NA	NA	NA	< 0.102
	01/22/03	<1	<1	<1	<1	<0.10	< 0.102
	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	<1.00	<1.0	<1.0	<3.0	<0.10	0.26
	01/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/21/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	07/22/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.20
	10/27/04	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/26/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048

East Hobbs Junction Hobbs, New Mexico

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)
MW-13	07/21/05	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
cont.	10/20/05	<1.0	<1.0	. <1.0	<3.0	< 0.10	0.062
	01/25/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.087
	04/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.077
	10/25/06	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.120
1	04/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.10
	07/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.096
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.086
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.10
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	1 i	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
	04/20/05	4.4	<1.0	<1.0	<3.0	< 0.10	0.086
1	07/21/05	<1.0	<1.0	<1.0	<3.0	< 0.10	0.058
	10/20/05	<1.0	<1.0	<1.0	<3.0	< 0.10	0.073
	01/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.33
	04/27/06	<1.0	<1.0	1.2	<3.0	< 0.10	0.055
	07/27/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.077
	10/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	0.11	0.18
1	04/26/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.13
	07/25/07	<1.0	<1.0	<1.0	<3.0	0.10	0.20
	10/25/07	<1.0	<1.0 <1.0	<1.0 <1.0	<3.0	0.12	0.098
MW-15	01/30/08 06/02/00	<1.0 830	770	130	<3.0 170	0.11 2.1	0.12
141 44-12	08/02/00	330	250	42	52	2.8	2.1
	11/15/00	2,000	2,000	470	650	2.8	3.0
	07/20/05	14	<1.0	7.6	<3.0	1.1	15
	10/19/05	3.3	<1.0	4.7	<3.0	0.70	7.8
	01/25/06	5.2	9.5	<1.0	<3.0	0.89	23
	04/26/06	3.8	9.5	5.7	<3.0	0.87	30
	04/26/06	<1.0	<1.0	2.7	<3.0	0.45	9.3
	10/25/06	<1.0	<1.0	4.7 F	<3.0	0.43	8.0
	01/25/07	<1.0	<1.0	<1.0	<3.0	0.43	7.0
	04/25/07	<1.0	<1.0	3.7	<3.0	0.43	3.6
	07/24/07	4.7	<1.0	4.5	<3.0	0.43	3.3
	10/24/07	<1.0	<1.0	3.0	<3.0	0.26	3.9
	01/30/08	1.5	<1.0	<1.0	<3.0	0.25	5.7
	01/30/08	1,3	<u> ~1.0</u>	<u></u>	L \3.0	0.55	L 3.1

East Hobbs Junction Hobbs, New Mexico

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Well Number	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-16	06/02/00	0.94	0.96	21	6.9	<1.0	<1.0
1444-10	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
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.08
	07/19/05	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.053 0.050
	10/19/05 01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.030
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.063
	04/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.12
	07/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.12
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.10
MW-17	06/02/00	< 0.5	< 0.5	<0.5	<2	<1.0	<1.0
	08/02/00	6	< 0.5	9.3	<2	< 0.97	< 0.97
	11/15/00	3.9	1.9	5.4	2.1	0.65	5.6 .
	03/06/01	6.8	1.9	39	14	0.98	< 0.54
	06/25/01	1.3	< 0.5	0.7	<2	0.44	NS
	09/26/01	1.4	2.2	1.2	<2	0.49	< 0.50
	12/12/01	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	<1.00	<1	<1	<1	<1.0	0.124
	07/14/03 01/26/05	<1.00	<1.0	<1.0	<1	<1.0 <0.10	0.126
	01/26/05	<1.0 <1.0	<1.0 <1.0	<1.0	<3.0 <3.0	<0.10	<0.048 <0.048
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.072
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.072
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.062
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.056
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.062
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.480
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.430
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.16
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.08
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.20
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	0.25

Well Number	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-18	06/02/00	600	0.66	120	45	<1.0	<1.0
. 141 44 - 10	08/02/00	780	<0.5	150	46	<0.99	<0.99
	11/15/00	850	0.94	93	50	4.60	1.10
	03/06/01	840	<2.5	160	65	8.70	<0.55
	06/25/01	660	2.6	150	<2	1.0	0.59
	09/26/01	500	<5.0	93	39	4.4	<0.51
	12/12/01	529	<10	127	54	4.05	0.261
	05/21/02	483	<1.00	105	52	4.48	<0.101
	10/16/02	NA	NA	NA	NA	NA	0.174
'	01/23/03	121	<1	11	16.2	1.86	< 0.10
	04/25/03	591	<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
	04/20/05	550	<1.0	49	31 .	2.7	0.15
	07/21/05	<1.0	<1.0	<1.0	<3.0	3.5	0.11
	10/20/05	820	7.5	49	37	3.7	0.18
	01/26/06	890	33	37	46	3.9	0.12
•	04/27/06	1,600	54	71	83	6.1	0.14
	07/27/06	2,400	140	86	110	8.7	0.54
	10/26/06	2,600	100	200	400	8.9	0.19
	01/26/07	2,700	<1.0	110	96	9.3	0.27
	04/26/07	3,000	<1.0	230	200	9.2	0.30
	07/25/07	2,700	<1.0	96	87	9.6	0.42
	10/25/07	2,600	<1.0	81	83	7.9	0.29
•	01/30/08	3,500	<1.0	78	51	7	0.29
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
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	07/21/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	10/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.048
	01/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.084
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/27/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.11
	10/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048

Well Number	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-19	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.059
cont.	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.061
	07/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.050
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.10
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
	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	00.1>	<1.00	<1.00	<01.0>	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
	04/20/05	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	07/19/05	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	10/19/05	<1.0	<1.0	<1.0	<3.0	< 0.10	<0.048
	01/25/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.15
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.067
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.061
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.075
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	<0.050
MW-21	01/30/08	<1.0	<1.00 <1.00	<1.0	<3.0	<0.10	< 0.10
IVI VV - Z I	06/13/02	<1.00		<1.00	<1.00	<0.10	<0.10
	10/15/02 01/22/03	NA <1	NA <1	NA <1	NA <1	NA <0.10	<0.105 <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	<1.00	<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
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.25
	07/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.053
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.043
	04/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.18

Well	Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-GRO	TPH-DRO
Number	Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)
MW-21	07/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.050
cont.	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.11
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.1
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
	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/21/05 10/20/05	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	<0.048 0.094
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.094
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.048
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.068
	04/26/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.20
	07/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.13
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.10
MW-23	06/13/02	<1.00	<1.00	<1.00	<1.00	< 0.10	< 0.10
l	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 04/20/05	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	<0.048 0.089
	04/20/03	<1.0	<1.0	<1.0	<3.0	<0.10	< 0.048
	10/19/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	01/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.20
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.099
	10/25/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.055
	01/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.097
	04/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.052
	07/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.098
	10/24/07	1.6	<1.0	1.0	<3.0	< 0.10	< 0.050
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.10
MW-24	07/22/04	400	36	37	35	2.2	0.45
l	10/27/04	48	4.9	11	<3.0	0.65	0.33
	01/26/05	80	<1.0	17	12	0.65	0.32
	04/20/05	150	<1.0	38	14	2.2	0.53
	07/20/05	65	4.1	23	5.4	0.55	0.51

Well Number	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-24	10/19/05	140	<1.0	60	21	1.9	0.38
cont.	10/19/05 D	110	<1.0	31	11	1.9	0.43
cont.	01/25/06	93	2.3	35	11	1.3	0.43
	01/25/06 D	75	6.8	30	10	1.1	0.42
	04/26/06	230	29.0	80	29	3.4	0.42
	04/26/06 D	200	24.0	65	24	2.6	0.42
	07/26/06	100	39.0	68	26	1.4	0.58
	07/26/06 D	110	43.0	72	27	1.4	0.55
	10/25/06	45	19.0	41	17	1.2	0.22
	10/25/06 D	46	20.0	40	17	1.2	0.26
	01/25/07	19	7.1	34	12	0.68	0.34
	01/25/07 D	21	7.8	35	12	0.92	0.34
	04/25/07	6.3	1.6	16	3.1	0.22	0.35
	04/25/07 D	2.3	<1.0	6.6	<3.0	0.19	0.30
	07/24/07	5.7	1.5	17	3.4	8.0	0.26
	07/24/07 D	5.1	1.3	15	3.1	0.34	0.21
	10/24/07	<1.0	<1.0	3.0	<3.0	0.26	3.9
	01/30/08	1.8	<1.0	6.9	1.2	0.21	0.16
MW-25	07/22/04	5.8	<1.0	28	25	0.71	0.094
	10/27/04	7.1	<1.0	36	9.9	0.63	0.35
	01/26/05	3.4	<1.0	25	8.9	0.28	0.29
	04/20/05	7.4	3.6	55	16	0.60	0.23
	07/19/05	4.4	2.1	30	9.6	0.48	0.25
	10/19/05	2.0	<1.0	14	3.2	0.28	0.68
	01/25/06_	2.8	<1.0	19	4.4	0.34	0.70
	04/26/06	3.8	<1.0	27	3.4	0.42	0.85
	07/26/06	2.6	<1.0	12	<3.0	0.21	1.20
	10/25/06	<1.0	<1.0	2	<3.0	0.13	0.40
	01/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.52
	04/25/07	<1.0	<1.0	1.0	<3.0	<0.10	0.43
	07/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.36
	10/24/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.39
7.6177.0.6	01/30/08	<1.0	<1.0	<1.0	<3.0	0.12	0.39
MW-26	04/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	<0.048
	07/20/05	<1.0	<1.0	<1.0	<3.0	<0.10	0.053
	10/19/05 01/25/06	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<3.0 <3.0	<0.10 <0.10	0.066 0.16
	04/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.10
	07/26/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.30
	10/25/06	<1.0	<1.0	<1.0	<3.0	<0.10	0.98
	01/25/07	<1.0	<1.0	<1.0	<3.0	<0.10	0.65
	04/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.092
	07/25/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.89
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.39
	01/30/08	<1.0	<1.0	<1.0	<3.0	< 0.10	0.16
MW-27	04/20/05	<1.0	<1.0	<1.0	<3.0	< 0.10	0.095
	07/20/05	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	07/20/05 D	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	10/19/05	<1.0	<1.0	<1.0	<3.0	< 0.10	< 0.048
	01/25/06	7.1	<1.0	<1.0	<3.0	<0.10	0.16
	01/25/06 D	<1.0	<1.0	<1.0	<3.0	< 0.10	0.17
	04/26/06	52.00	14.00	5.70	17.0	0.45	0.097
	07/26/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.10
	10/25/06	<1.0	<1.0	<1.0	<3.0	< 0.10	0.47
	01/25/07	1.20	<1.0	<1.0	<3.0	< 0.10	0.12

ConocoPhillips East Hobbs Junction Hobbs, New Mexico

Well Number	Sample , Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
MW-27	04/25/07	30	2.5	1.5	<3.0	< 0.10	0.62
cont.	07/25/07	1.8	<1.0	<1.0	<3.0	< 0.10	0.94
	10/24/07	<1.0	<1.0	<1.0	<3.0	< 0.10	0.22
	01/30/08	6.1	<1.0	<1.0	<3.0	< 0.10	< 0.10
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
	04/20/05	<1.0	<1.0	14	<3.0	0.12	0.35
	07/21/05	23	1.3	27	<3.0	0.26	0.47
ļ	10/20/05	22	1.4	25	<3.0	0.27	0.29
	01/26/06	1.7	<1.0	20	<3.0	0.29	0.52
1	04/27/06	<1.0	<1.0	10	<3.0	0.21	0.30
ĺ	07/27/06	<1.0	<1.0	4	<3.0	0.17	0.28
	10/26/06	<1.0	<1.0	<1.0	<3.0	0.16	0.17
1	01/26/07	3.5	<1.0	5.0	<3.0	0.42	0.42
	04/26/07	1.8	<1.0	12.0	<3.0	0.56	0.41
	07/25/07	2.6	<1.0	8.3	<3.0	0.52	0.42
	10/25/07	<1.0	<1.0	3.2	<3.0	0.39	0.30
	01/31/08	21	<1.0	22	<3.0	0.43	0.21
SP-1	06/02/00	9.4	7.4	2.5	. 7	<1.0	<1.0

Notes:

 μ g/L = micrograms per liter

mg/L = milligrams per liter

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

NA= not analyzed

D = Duplicate Sample

Well	Sample	Chloride	Total Hardness	Iron	Manganese
Number	Date	(mg/L)	(mg/L)	(μg/L)	(μg/L)
MW-3	01/23/03	176		(1-8)	1 (1-8-)
MW-4	01/13/00	210			
141 44 -4	04/06/00	180		· · ·	
	08/02/00	140			-
	11/15/00	180			
	03/06/01	180			
	06/25/01	200			
		180			
	09/26/01	158	 		- · · · · · · · · · · · · · · · · · · ·
	12/12/01	138	569	1,330	51
	05/21/02		309	1,330	31
	10/16/02	81			
	01/23/03	173		 -	
	04/25/03	159			
	07/14/03	166	<u> </u>		
	10/17/03	190			-
	01/22/04	176	1		1
	04/22/04	180			<u> </u>
	07/22/04	192	<u> </u>		
	10/28/04	186			
	01/26/05	173			
	04/20/05	128			
	07/20/05	51.5			
	10/19/05	37.7			
	01/25/06	39.4			
	04/26/06	58.0			
	07/26/06	48.1			
	10/25/06	113.0			
	01/25/07	52.1		•	
	04/25/07	68.8			
	07/25/07	51.6			
	10/24/07	38.5			
	01/30/08	36.8			
MW-5	01/13/00	130			
	04/06/00	130	1		
	08/02/00	130	 		
	11/15/00	180			
	03/06/01	210			
	06/25/01	240	1		1
	09/26/01	260	1		1
	12/12/01	216	1		1
	05/21/02	180	619	698	29
	10/16/02	51			
	01/23/03	187			1
	04/25/03	173	+ +		
	07/14/03	184	+ +		+
	10/17/03	192	 		
	01/22/04	179	 		-
		188	+		
	04/22/04 04/22/04 D		 		-
	04/22/04 D	189	 		
	07/23/04	197			
	10/28/04	196	+		-
	01/26/05	190		 	·
	01/26/05 D	188	1		1
	04/20/05	184			

				· · ·	
Well	Sample	Chloride	Total Hardness	Iron	Manganese
Number	Date	(mg/L)	(mg/L)	(μg/L)	(µg/L)
MW-5	07/20/05	196			
cont.	10/19/05	187			
	01/25/06	200			
	04/26/06	196			
	07/26/06	177			
	10/25/06	133			
	01/25/07	71.0			
	04/25/07	48.7			
	07/25/07	44.8			
	10/24/07	32.9			
	01/30/08	38.6			
MW-6	01/13/00	230			
	04/06/00	200			
	07/20/05	106			
	10/20/05	99.2			
	01/26/06	161			
	07/27/06	90.1			
	10/26/06	60.6			
	01/26/07	62.5			
	04/26/07	85.4			
	07/25/07	126			
	10/25/07	170			
	10/25/07 D	155			
	01/31/08	147			
	01/31/08 D	146			
MW-8	01/13/00	160			<u> </u>
	04/06/00	90			
	08/02/00	84	<u> </u>		
	11/15/00	100			
	03/06/01	87			
	06/25/01	75	<u> </u>		-
	09/26/01	72			-
	12/12/01	85	ļ		
	05/21/02	104	546	638	76
	10/16/02	42.4			
	01/22/03	106	1		+
MW 10	01/31/08	107	+		
MW-10	01/13/00 04/06/00	180	+		
	04/06/00	140	 		+
MW-11	04/06/00	310	 		+
141 44 -1 1	08/02/00	270			
	11/15/00	300	 		
	03/06/01	280	 		+
	06/25/01	290	+		
MW-12	04/06/00	190	+		
171 77 -12	08/02/00	150	+		
	11/15/00	190	1		
	03/06/01	180	+		
	06/25/01	190	 		
	09/26/01	180	 		
	12/12/01	169	 - 		
	05/21/02	180	864	2,050	478
	10/16/02	69.5	004	2,030	7/0

Well	Sample	Chloride	Total Hardness	Iron	Manganese
Number	Date	(mg/L)	(mg/L)	(μg/L)	(μg/L)
MW-12	01/23/03	180			
cont.	04/25/03	179			
	07/14/03	204			
	10/20/03	197			
	01/21/04	183			
	04/21/04	188			
	07/23/04	195			
	07/23/04 D	196			
	10/28/04	196			
	01/27/05	187			
	01/27/05 D	193			
	04/20/05	151			
	04/20/05 D	154			
	07/21/05	180			
	07/21/05 D	179			
	10/20/05	149			
	10/20/05 D	158			
	01/26/06	168			
	01/26/06 D	183			
	04/27/06	169			
	4/27/06 D	178			
	07/27/06	162			
	07/27/06 D	136			1
	10/26/06	172	 		1
	10/26/06 D	170		******	
	01/26/07	174			1
	01/26/07 D	164		 -	
	04/25/07	175		·	
	04/25/07 D	166			
	07/25/07	177			
	07/25/07 D	192			
	10/25/07	211			
	10/25/07 D	187			
	01/31/08	181			
	01/31/08 D	177			
MW-13	06/02/00	91			
178 77 " 10	08/02/00	61			
	11/15/00	63	1		
	03/06/01	66			
	06/25/01	200	1		1
	09/26/01	66	 		1
	12/12/01	69.5			
	05/21/02	58.5	617	563	23
	10/16/02	71.5			
	01/22/03	72.6	1		
	04/24/03	67.0			1
	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			1
	-	59.7	1		1
	10/27/04				
	01/26/05 04/20/05	66.9	<u> </u>		+

*		110000,1	new iviexico		1
Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganese (μg/L)
MW-13	07/21/05	64.9		48/	1
cont.	10/20/05	63.9	 		
cont.	01/25/06	68.1			
	04/26/06	65.8	<u> </u>		·
	07/26/06	71.5	 		<u> </u>
	10/25/06	91.4	1		
	01/25/07	65.0			
	04/25/07	69.8	+		
	07/25/07	71.2	 		
	10/24/07	61.9			
	01/30/08	71.2			1
MW-14	06/02/00	180			
W W - 14	08/02/00	170	 		
			-		
	11/15/00	190			-
	03/06/01	190	 		
	06/25/01	200	 		
	09/26/01	200			
	12/12/01	197	745	2 200	242
	05/21/02	162	745	3,290	342
	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			
	04/20/05	141			-
	07/21/05	107	 		
	10/20/05	234	-		
	01/26/06	166			
	04/27/06	183	<u> </u>		
	07/27/06	164	 		- -
	10/26/06	189			+
	01/25/07	178	 		
	04/26/07	192	 		
	07/25/07	188 209			-
	10/25/07	194	<u> </u>		
MW 15	01/30/08				
MW-15	06/02/00	170	+		
	08/02/00	160	1.		
	11/15/00	170	 		
	07/20/05	143			
	10/19/05	137	 -		
	01/25/06	180			1
	04/26/06	301			
	07/26/06	327	 		
	10/25/06	321			
	01/25/07	321			-
	04/25/07	290	1		1
	07/24/07	251			
	10/24/07	287			
	01/30/08	289	1		

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganese (μg/L)
MW-16	06/02/00	220		- 4.8 /	
11111-10	08/02/00	210			
	11/15/00	210			
	03/06/01	240			
	06/25/01	240			
	09/26/01	67			
	12/12/01	172	1-		
	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		·	1
	07/21/04	185	-		+
	10/26/04	188	 		+
	01/26/05	178	 		
	04/20/05	193	-		
	07/19/05	189			
	10/19/05	178			-
	01/25/06	174	 		
	04/26/06	179	 		1
	07/26/06	141	 		
	10/25/06	175	 		-
	01/25/07	156	 		
	04/25/07	156	 		
	07/24/07	168	 		-
	10/24/07	175			
	01/30/08	173	<u>-</u>	· ·	
MW-17	06/02/00	140	 		
141 44 -1 /	08/02/00	110	<u> </u>		
	11/15/00	130	 		
	03/06/01	130	 		<u> </u>
	06/25/01	140	 		
	09/26/01	130	 		
	12/12/01	147	 		
	05/21/02	132	575	1,040	202
	10/15/02	149	 	1,070	1 202
	01/22/03	76.7	 		1
	04/24/03	84.3	 		
	07/14/03	143	1	*	
	01/26/05	146			
	04/20/05	126	1		1
	07/19/05	127	+		
	10/19/05	127	+	-	
	01/25/06	145	 		
	04/26/06	142	 		+
	07/26/06	134	 		
	10/25/06	127	 		
	01/25/07	138			+
	04/25/07	189	+		+
			 		+
	07/24/07	266	-		
	10/24/07 01/30/08	248 255	1		1

		ı			
Well	Sample	Chloride	Total Hardness	Iron	Manganese
Number	Date	(mg/L)	(mg/L)	(μg/L)	(μg/L)
MW-18	06/02/00	190			
	08/02/00	160			ļ
	11/15/00	210			
	03/06/01	190			<u> </u>
	06/25/01	210			<u> </u>
	09/26/01	190	· .		1
	12/12/01	182	1.000		
	05/21/02	184	1,070	2,930	374
	10/16/02	102			
	01/23/03	218	<u> </u>		
	04/25/03	195			
	07/14/03	193			
	10/20/03	207	 		
	01/21/04	193			
	04/21/04	195			
	07/22/04	205			<u> </u>
	10/28/04	205	 		
	01/26/05 04/20/05	206 193			
		206			-
	07/21/05 10/20/05	176			+
	01/26/06	198			
	04/27/06	199			1
	07/27/06	184	 		
	10/26/06	191			+
	01/26/07	191			
	04/26/07	203			
	07/25/07	196			
	10/25/07	219			
	01/30/08	205	-		
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			<u> </u>
	01/21/04	169			
	04/21/04	173			
	07/22/04	177			-
	10/27/04	171	 		
	01/26/05	187	ļ		ļ
	04/20/05	156	 		
	07/21/05	177			ļ
	10/20/05	161			1
	01/26/05	137	<u> </u>		<u> </u>
	04/26/06	123	<u> </u>		
	07/27/06	99.8			1
	10/26/06	116.0			

Well Number	Sample Date	Chloride (mg/L)	Total Hardness (mg/L)	Iron (μg/L)	Manganes (μg/L)
			(Mg/L)	(μg/13)	(μ _β , Δ)
MW-19	01/25/07	93.7	<u> </u>		
cont.	04/25/07	92.6	 		+
	07/25/07	97.7			
	10/24/07	110			
7.777.40	01/30/08	101			
MW-20	06/02/00	83			
	08/02/00	66			-
	11/15/00	66			<u>. </u> .
	03/06/01	62	<u> </u>		
	06/25/01	71			
	09/26/01	210			ļ
	12/12/01	69	(20	1.040	26
	05/21/02	72	638	1,840	26
	10/15/02	85			- _
	01/22/03	83.6			
	04/24/03	77.0	-		<u>- </u>
	07/14/03	85.8	 		
	10/17/03	76.8	 		
	01/21/04	74.6	ļ.,		
	04/21/04	69.3	ļ		
	07/21/04	69.4			
	10/26/04	68.5			
	01/26/05	76.0	<u> </u>		-
	04/20/05	73.7			
	07/19/05	69.9			
	10/19/05	72.0			
	01/25/06	72.9			
	04/26/06	70.0			
	07/26/06	68.0			
	10/25/06	92.6			
	02/26/07	70.5			
	04/25/07	67.8			
	07/24/07	44.5			
	10/24/07	142			
	01/30/08	85			
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	1		
	10/26/04	907			
	01/26/05	659			
	04/20/05	555			
	07/19/05	527			
	10/19/05	483			
	01/25/06	509			
	04/26/06	552			
	07/26/06	466			
	10/25/06	499			
	02/26/07	300			
	04/25/07	572			

Well	Sample	Chloride	Total Hardness	Iron	Manganese
Number	Date	(mg/L)	(mg/L)	(μg/L)	(μg/L)
MW-21	07/24/07	1,010			
cont.	10/24/07	825			
	01/30/08	1,110			_
MW-22	06/13/02	76.5			
	10/15/02	86.5	ļ		
	01/22/03	85.7	1		1
	04/24/03	77.0	+ +		
	07/14/03 10/17/03	82.0 82.8	+		-
	01/21/04	79.4			-
	04/21/04	75.3	<u> </u>		
	07/22/04	78.3			
	10/27/04	77.5			
	01/26/05	88.3			
	04/20/05	81.1			
	07/21/05	79.3			
	10/20/05	77.5			
	01/25/06	101			
	04/26/06	74.3			
	07/26/06	81.5			
	10/25/06	101.0			
	01/25/07	80.3			
	04/26/07	79.8			
	07/25/07	83.4			
	10/24/07	75.3			
	01/30/08	85.4			<u> </u>
MW-23	06/13/02	63			
	10/15/02	36.2			<u> </u>
	01/22/03	58.5	+		
	04/24/03	130 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			
	04/20/05	77.6			
	07/21/05	65.0			
	10/19/05	66.5			
	01/25/06	67.7			
	04/26/06	63.4			
	07/26/06	67.2			
	10/25/06	86.5			
	01/25/07	63.6			
	04/25/07	66.8			_
	07/25/07	63.7 61.6			
	10/24/07 01/30/08	67.9			
MW-24	07/22/04	165			
IVI VV -24	10/27/04	151			
	01/26/05	182	 		
	04/20/05	166	+		+
	07/20/05	169	 		+
	10/19/05	177	 		+

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-24	10/19/05 D	176	(IIIg/L)	(μg/L)	(μg/L)
	01/25/06	176			ļ · · · · · · · · · · · · · · · · · · ·
cont.	01/25/06 D				+
		187			-
	04/26/06	172	 		
	04/26/06 D	134			
	07/26/06	176 177	 		
	07/26/06 D		 		
	10/25/06	209			
	10/25/06 D	208	 		
	01/25/07	209			
	01/25/07 D	217			
	04/25/07	192			
	04/25/07 D	181			
	07/24/07	174	1.		
	07/24/07 D	192			
	10/24/07	190			
	01/30/08	185			
MW-25	07/22/04	116	ļ <u>.</u>		
	10/27/04	129			
	01/26/05	143			
	04/20/05	123			
	07/19/05	152			
	10/19/05	453			
	01/25/06	480			
	04/26/06	461			
	07/26/06	388			ļ
	10/25/06	241			
	01/25/07_	119			
	04/25/07	192			
	07/24/07	177			
	10/24/07	376			
	01/30/08	461			
MW-26	04/20/05	82.5			
	07/20/05	77.2			
	10/19/05	77.8			
	01/25/06	78.3			
	04/26/06	74.0			1
	07/26/06	77.9			
	10/25/06	99.1			
	01/25/07	66.6			
	04/25/07	81.4			
	07/25/07	83.7			
	10/24/07	73.3			
	01/30/08	86.8			
MW-27	04/20/05	129			
	04/20/05 D	132			
	07/20/05	129			
	07/20/05 D	129			
	10/19/05	132			
	01/25/06	136			
	01/25/06 D	138	 	(B) 1	1
	04/26/06	112	1		
	07/26/06	115	 	<u> </u>	
	10/25/06	151			

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-27	04/25/07	117			
cont.	07/25/07	130			
	10/24/07	119			
	01/30/08	115			
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			
	04/20/05	204			
	07/21/05	236			
	10/20/05	183			
	01/26/06	243			
	04/27/06	234			
	07/27/06	230			
	10/26/06	244			
	01/26/07	234			
	04/26/07	256			
	07/25/07	247			
	10/25/07	227			
	01/31/08	234			
SP-1	06/02/00	180			

Notes:

mg/L = milligrams per liter

 μ g/L = micrograms per liter

D = Duplicate Sample

Blank Fields Indicate No Data

Table 3 Summary of SVE Emissions Data

Date	Total Time (days)	Effluent Concentration (ppm)	Flow Rate (SCFM)	"SnapShot" Discharge (lbs/day)	Average Discharge for Period (lbs/day)	Incremental Discharge (lbs)	Cumulative Discharge (lbs)	Incremental Time (Days)
10/17/02	0	246	875	62.71	62.71	62.71	62.71	0
10/18/02	1	447	870	113.30	87.82	87.82	150.53	1
10/21/02	4	377	875	96.10	105.03	315.08	465.61	3
10/22/02	5	183	875	46.65	71.38	71.38	536.98	1
10/23/02	6	363	875	92.53	69.59	69.59	606.58	1
10/24/02	7	405	875	103.24	97.89	97.89	704.46	1
10/25/02	8	345	875	87.95	95.59	95.59	800.06	1
11/04/02	18	412	875	105.03	96.49	964.86	1764.91	10
11/05/02	19	631	875	160.85	132.94	132.94	1897.85	1
11/06/02	20	434	870	110.00	134.97	134.97	2032.82	1
11/07/02	21	429	875	109.36	110.00	110.00	2142.82	1
11/08/02	22	336	865	84.67	96.39	96.39	2239.21	1
11/15/02	29	552	865	139.11	111.89	783.22	3022.43	7
11/22/02	36	663	875	169.01	154.86	1084.03	4106.46	7
11/29/02	43	488	875	124.40	146.70	1026.93	5133.39	7
11/30/02	44	534	870	135.35	129.52	129.52	5262.90	1
12/16/02	60	389	870	98.60	116.97	1871.54	7134.44	16
12/17/02	61	444	875	113.18	106.17	106.17	7240.62	1
12/18/02	62	320	875	81.57	97.38	97.38	7337.99	1
12/19/02	63	464	875	118.28	99.93	99.93	7437.92	1
12/20/02	64	373	875	95.08	106.68	106.68	7544.60	1
01/14/03	89	380	865	95.76	94.88	2371.97	9916.58	25
01/15/03	90	334	870	84.66	90.48	90.48	10007.06	1
01/16/03	91	408	875	104.01	94.57	94.57	10101.63	1
02/08/03	114	445	870	112.79	108.10	2486.31	12587.94	23
02/14/03	120	175	875	44.61	79.02	474.14	13062.08	6
02/24/03	130	335	875	85.40	65.00	650.03	13712.12	10
02/25/03	131	313	870	79.33	82.12	82.12	13794.24	1
02/26/03	132	322	875	82.08	80.94	80.94	13875.17	1
02/27/03	133	318	875	81.06	81.57	81.57	13956.75	1
02/28/03	134	339	875	86.42	83.74	83.74	14040.49	1
03/13/03	147	223	875	56.85	71.63	931.21	14971.69	13
03/14/03	148	217	875	55.32	56.08	56.08	15027.78	1
04/07/03	172	234	875	59.65	57.48	1379.60	16407.38	24
04/08/03	173	195	875	49.71	54.68	54.68	16462.06	1
04/09/03	174	188	875	47.92	48.82	48.82	16510.87	1
04/10/03	175	155	875	39.51	43.72	43.72	16554.59	1
04/11/03	176	141	875	35.94	37.73	37.73	16592.32	1
05/18/03	213	227	875	57.87	46.90	1735.47	18327.79	37
05/19/03	214	203	875	51.75	54.81	54.81	18382.59	1
06/09/03	235	0	0	0.00	0.00	0.00	18382.59	21
07/14/03	270	0	Ö	0.00	0.00	0.00	18382.59	35
07/15/03	271	445	875	113.44	56.72	56.72	18439.31	1
07/21/03	277	297	875	75.71	94.57	567.44	19006.75	6
07/22/03	278	321	875	81.83	78.77	78.77	19085.52	1
08/01/03	288	248	875	63.22	72.52	725.24	19810.76	10
08/24/03	311	237	875	60.42	61.82	1421.79	21232.55	23
09/09/03	327	119	875	30.33	45.37	726.00	21958.55	16
09/10/03	328	134	875	34.16	32.25	32.25	21990.80	1
09/11/03	329	118	870	29.91	31.94	31.94	22022.73	1
09/12/03	330	126	875	32.12	31.10	31.10	22053.83	1
10/20/03	368	50	875	12.75	22.43	852.44	22906.27	38
11/24/03	403	255	875	65.00	38.87	1360.61	24266.88	35
12/30/03	439	155	875	39.51	52.26	1881.28	26148.16	36
01/29/04	469	147	873	37.39	38.40	1152.13	27300.29	30
02/16/04	487	142	849	35.12	35.74	643.33	27943.62	18
02/10/04	496	116	861	29.10	32.36	291.22	28234.84	9
03/25/04	525	114	875	29.16	29.32	850.14	29084.99	29

Table 3 Summary of SVE Emissions Data

Di	ate	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)
04/	14/04	545	181	875	46.14	37.60	752.00	29836.99	20
	27/04	558	158	875	40.28	43.21	561.71	30398.70	13
	26/04	587	127	875	32.37	36.33	1053.44	31452.13	29
i	09/04	601	108	875	27.53	29.95	419.34	31871.47	14
1	30/04	622	97.6	875	24.88	26.21	550.31	32421.78	21
	27/04	649	104	875	26.51	25.70	693.78	33115.56	27
•	03/04	656	94.2	875	24.01	25.26	176.83	33292.40	7
1	24/04	677	112	875	28.55	26.28	551.92	33844.31	21
1	08/04	692	114	875	29.06	28.81	432.08	34276.40	15
	20/04	704	100	875	25.49	27.28	327.31	34603.71	12
	05/04	719	109	875	27.79	26.64	399.58	35003.29	15
	11/04	756	91.9	875	23.43	25.61	947.43	35950.72	37
	22/04	767	72	875	18.35	20.89	229.79	36180.51	11
	29/04	804	66	875	16.82	17.59	650.80	36831.31	37
	27/05	833	54	875	13.77	15.29	443.55	37274.87	29
	14/05	851	35.9	875	9.15	11.46	206.25	37481.12	18
	02/05	867	29.1	875	7.42	8.28	132.56	37613.68	16
	23/05	888	28.3	875	7.21	7.32	153.64	37767.31	21
	08/05	904	26.5	875	6.76	6.98	111.76	37879.07	16
	12/05	908	27.9	875	7.11	6.93	27.73	37906.80	4
	16/05	942	18.2	875	4.64	5.88	199.78	38106.58	34
	23/05	949	19.5	875	4.97	4.81	33.64	38140.22	7
1	01/05	958	17.1	875	4.36	4.66	41.98	38182.20	9
	10/05	967	17.5	875	4.46	4.41	39.69	38221.89	9
	17/05	974	19.2	875	4.89	4.68	32.74	38254.63	7
	29/05	986	17.8	875	4.54	4.72	56.59	38311.23	12
1	11/05	1029	22.9	875	5.84	5.19	223.06	38534.29	43
	17/05	1025	17.2	875	4.38	5.11	30.67	38564.96	6
	15/05	1064	5.0	875	1.27	2.83	82.06	38647.01	29
	29/05	1078	3.8	875	0.97	1.12	15.70	38662.72	14
	03/05	1113	0.0	875	0.00	0.48	16.95	38679.67	35
	10/05	1120	0.0	875	0.00	0.00	0.00	38679.67	7
	16/05	1126	0.0	875	0.00	0.00	0.00	38679.67	6
	29/05	1139	0.0	875	0.00	0.00	0.00	38679.67	13
	06/05	1146	0.0	875	0.00	0.00	0.00	38679.67	7
	12/05	1147	0.0	875	0.00	0.00	0.00	38679.67	6
	10/06	1147	6.4	875	1.63	1.63	1.63	38681.30	35
	14/06	1148	346	875	88.20	88.20	22.05	38703.35	247
	21/06	1155	203	875	51.75	51.75	51.75	38755.10	7
	25/06	1159	145	875	36.96	36.96	36.96	38792.06	4
	02/06	1166	121	875	30.84	30.84	30.84	38822.91	7
	10/06	1174	115	875	29.32	29.32	29.32	38852.22	8
	16/06	1180	110	875	28.04	28.04	28.04	38880.26	6
	30/06	1184	155	875	39.51	39.51	39.51	38919.77	14
	06/06	1191	116	875	29.57	29.57	29.57	38949.34	7
	21/06	1206	160	875	40.79	40.79	40.79	38990.13	15
	28/06	1213	70.2	875	17.90	17.90	17.90	39008.03	7
L	05/06	1220	62.5	875	15.93	15.93	15.93	39023.96	7
1	11/06	1226	46.2	875	11.78	11.78	11.78	39035.73	6
	18/06	1233	40.6	875	10.35	10.35	10.35	39046.08	7
	02/07	1234	49.1	875	12.52	12.52	12.52	39058.60	15
	08/07	1240	42.1	875	10.73	10.73	10.73	39069.33	6
	16/07	1248	42.1	875	10.73	10.73	10.73	39080.06	8
	05/07	1259	31.9	875	8.13	8.13	8.13	39088.20	20
	26/07	1280	27.2	875	6.93	6.93	6.93	39095.13	21
	05/07	1287	29.0	875	7.39	7.39	7.39	39102.52	7
1	13/07	1295	27.4	875	6.98	6.98	6.98	39109.51	8
	14/07	1296	26.4	875	6.73	6.73	6.73	39116.24	1



Table 3 Summary of SVE 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)
03/26/07	1308	34.9	875	8.90	8.90	8.90	39125.13	12
04/02/07	1315	26.4	875	6.73	6.73	6.73	39131.86	7
05/29/07	1356	32.8	875	8.36	8.36	8.36	39140.22	57
06/04/07	1362	22.3	875	5.68	5.68	5.68	39145.91	6
06/11/07	1369	36.3	875	9.25	9.25	9.25	39155.16	7
06/18/07	1376	31.5	875	8.03	8.03	8.03	39163.19	7
06/26/07	1384	37.9	875	9.66	9.66	9.66	39172.85	8
08/07/07	1429	66.3	875	16.90	16.90	16.90	39189.75	42
08/27/07	1449	67.4	875	17.18	17.18	17.18	39206.94	20
09/04/07	1457	74.8	875	19.07	19.07	19.07	39226.00	8
09/10/07	1463	81.4	875	20.75	20.75	20.75	39246.75	6
10/02/07	1485	61.2	875	15.60	15.60	15.60	39262.35	22
10/31/07	1500	75.9	875	19.35	19.35	19.35	39281.70	29
11/12/07	1512	66.9	875	17.05	17.05	17.05	39298.76	12
11/19/07	1519	58.6	875	14.94	14.94	14.94	39313.69	7
12/05/07	1535	32.5	875	8.28	8.28	8.28	39321.98	16
12/10/07	1540	33.7	875	8.59	8.59	8.59	39330.57	5
12/20/07	1550	24.0	875	6.12	6.12	6.12	39336.69	10
01/07/08	1568	20.0	875	5.10	5.10	5.10	39341.79	18
02/12/08	1604	23.5	875	5.99	5.99	5.99	39347.78	36
Estimated av	g lbs/day remo	ved (2002-2003):	110.72	Total to	ons VOCs ren	noved (Oct 200	2 - Oct 2003):	11.45
	-	ved (2003-2004):	45.75			oved (Feb 200	,	
	-	ved (2004-2005):	16.81			oved (Feb 200		
		ved (2006-2007):	3.62			noved (Jan 200		
	-	ved (2007-2008):	0.78			noved (Feb 200	•	
Estimated total pounds VOCs removed: 39,347.78 Cumulative tons VOCs removed since startup:							19.67	

Notes and Calculations:

VOC Discharge (lbs/day) = ((Co (ppm)*(78 g/mole)/24.05)*(1 g/1000 mg)*(1 m 3/35.31 cf)*(1 lb/454 g)*(Q (scfm)*1440 min/day)

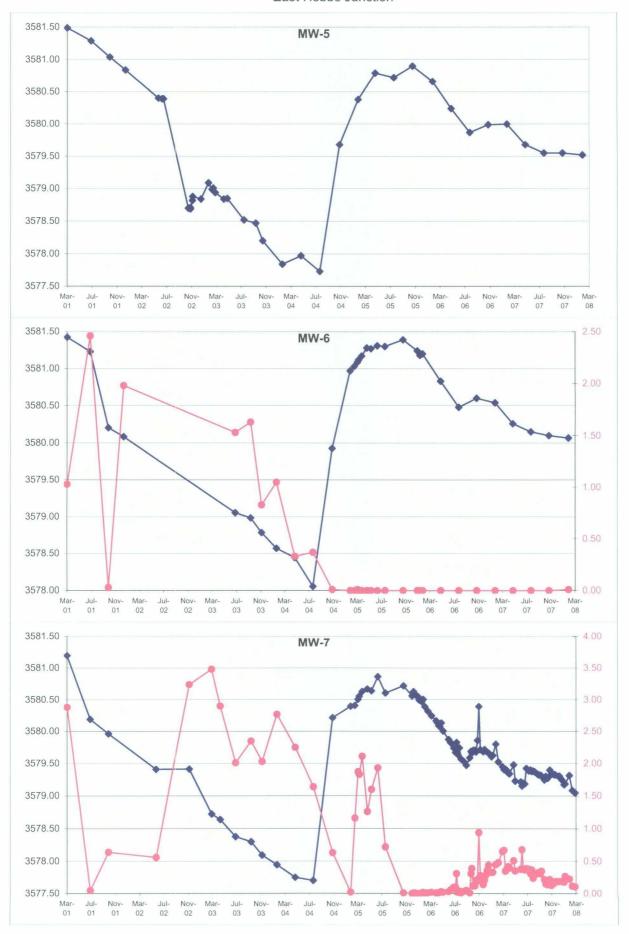
Where: Co = Average Effluent VOC concentration (ppm) from previous time period

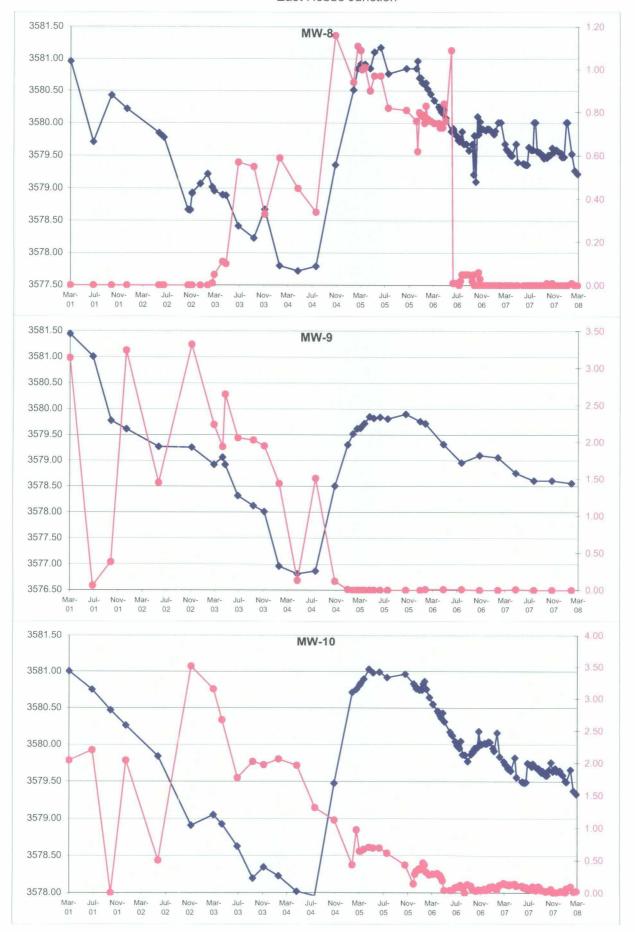
Q = flow rate of effluent air (scfm) 24.05 = gas law constant

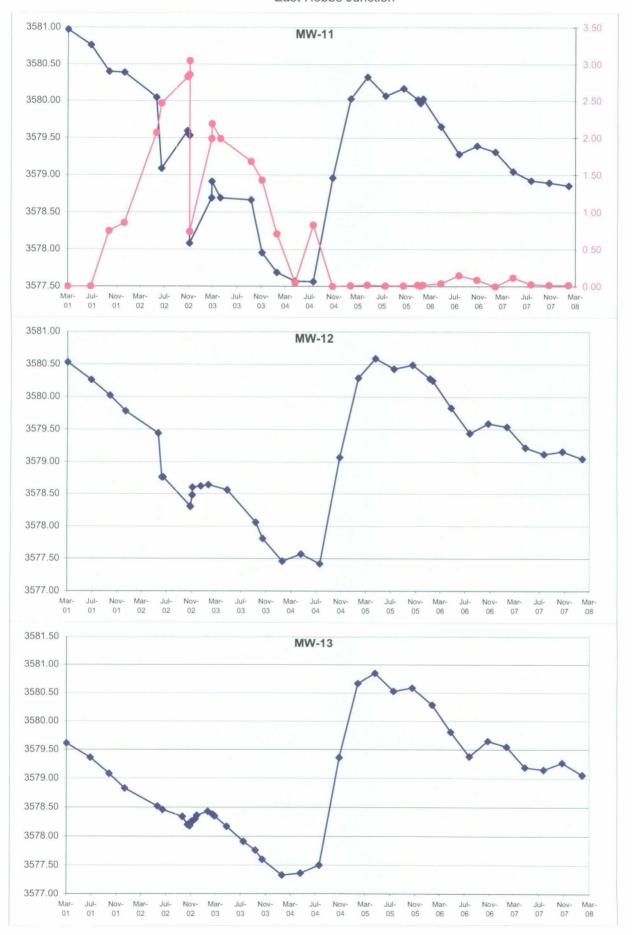
APPENDIX A Hydrographs

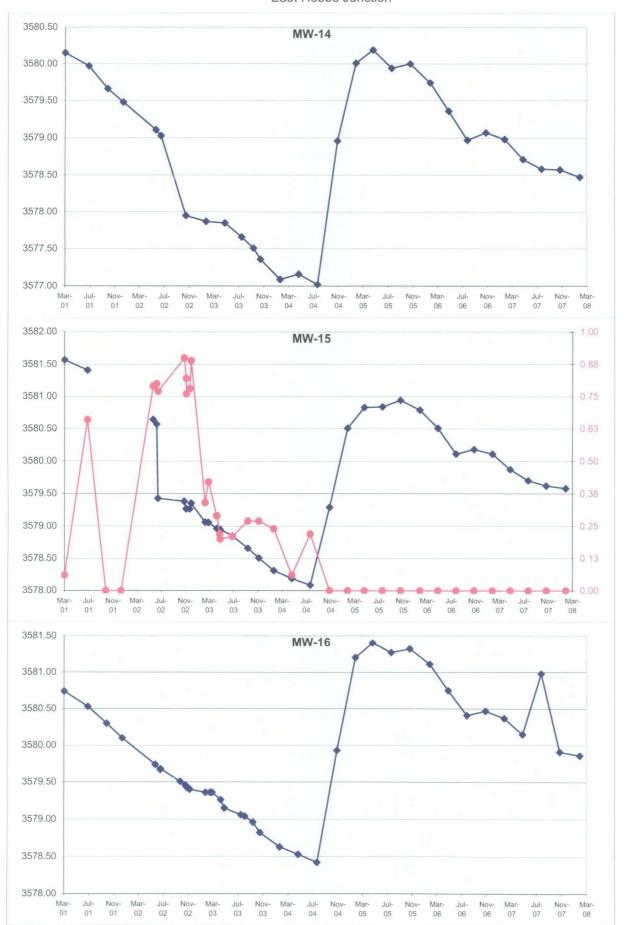
Hydrograph ChartsEast Hobbs Junction

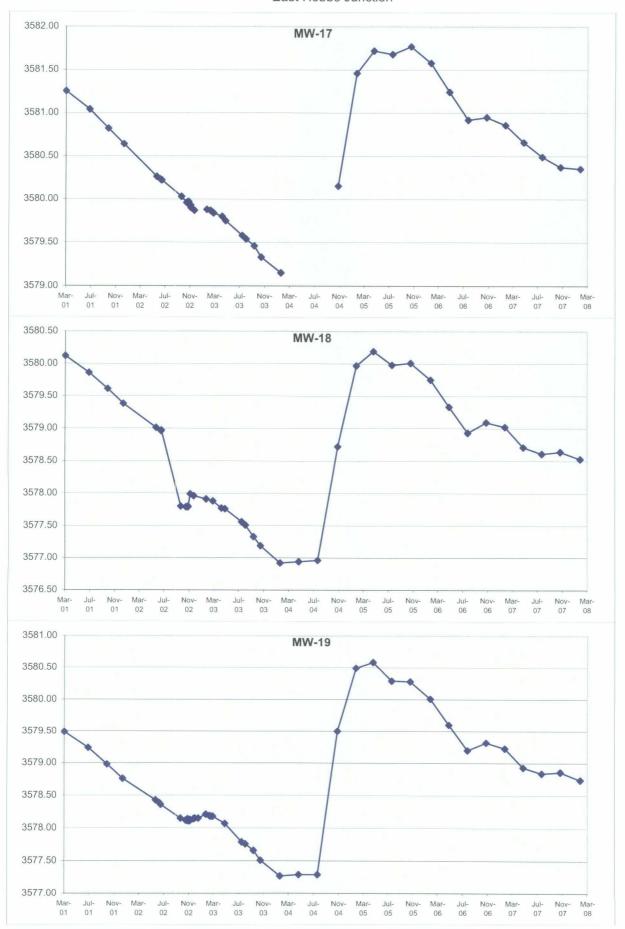


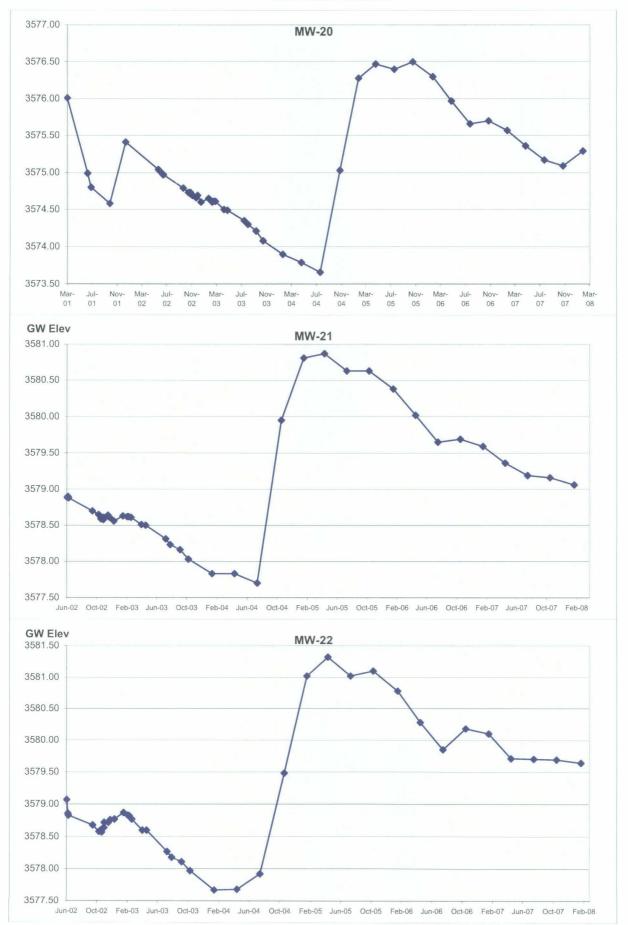


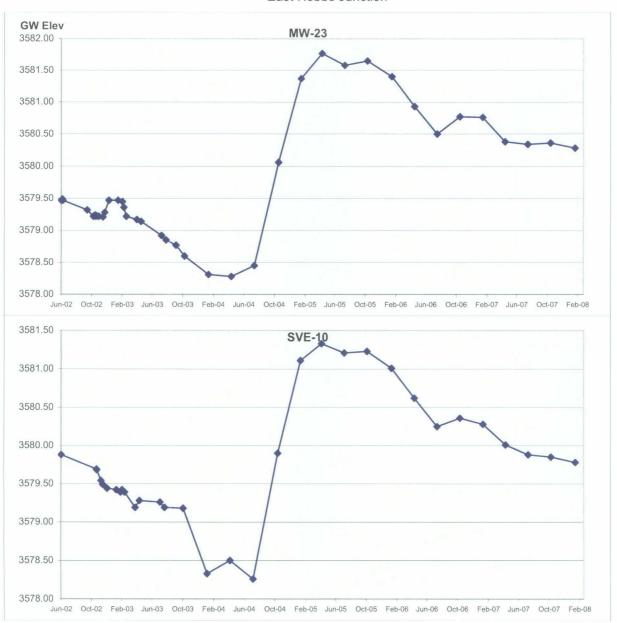












APPENDIX B Laboratory Analytical Data

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

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 2Q07

03373 E Hobbs Jct Remediation

Lot #: I7D270189

Greg Pope

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

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler Project Manager

May 16, 2007

American Council of Independent Laboratories International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: I7D270189

This report contains the analytical results for the 23 samples received under chain of custody by Severn Trent Laboratories (STL) on April 27, 2007. These samples are associated with your 03373 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 512-310-5318.

${\bf EXECUTIVE\ SUMMARY\ -\ Detection\ Highlights}$

17D270189

		REPORTING		ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD
MW-21 04/25/07 07:10 001				
Diesel Range Organics Chloride	0.18 572	0.050 100	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW-16 04/25/07 07:28 002			,	
Diesel Range Organics Chloride	0.12 156	0.050 50.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW-20 04/25/07 07:44 003				
Diesel Range Organics Chloride	0.075 67.8	0.050 20.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW-17 04/25/07 08:00 004				,
Diesel Range Organics Chloride	0.16 189	0.049 50.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW-25 04/25/07 08:20 005		- :		
Diesel Range Organics Ethylbenzene Chloride	0.43 1.0 220	0.048 1.0 50.0	mg/L ug/L mg/L	SW846 8015B SW846 8021B MCAWW 300.0A
MW-24 04/25/07 08:40 006				
Diesel Range Organics Gasoline Range Organics Benzene Ethylbenzene Toluene Xylenes (total) Chloride	0.35 0.22 6.3 16 1.6 3.1	0.049 0.10 1.0 1.0 1.0 3.0 50.0	mg/L mg/L ug/L ug/L ug/L mg/L	SW846 8015B SW846 8015B SW846 8021B SW846 8021B SW846 8021B SW846 8021B MCAWW 300.0A
MW-15 04/25/07 09:00 007				
Diesel Range Organics Gasoline Range Organics Ethylbenzene Chloride	3.6 0.43 3.7 290	0.048 0.10 1.0 100	mg/L mg/L ug/L mg/L	SW846 8015B SW846 8015B SW846 8021B MCAWW 300.0A

EXECUTIVE SUMMARY - Detection Highlights

I7D270189

RESULT	LIMIT	UNITS	********
		OTATIO	METHOD
0.058	0.050	ma/I	SW846 8015B
68.8	50.0		MCAWW 300.0A
0.22	0.050	/T	SW846 8015B
			MCAWW 300.0A
40.7	10.0	mg/1	MCAWW 300.0A
	,		SW846 8015B
81.4	20.0	mg/L	MCAWW 300.0A
0.62	0.048	mg/L	SW846 8015B
30	1.0	ug/L	SW846 8021B
1.5	1.0	ug/L	SW846 8021B
2.5	1.0	ug/L	SW846 8021B
117	50.0	mg/L	MCAWW 300.0A
0.052	0.048	mg/T	SW846 8015B
66.8	50.0		MCAWW 300.0A
		3.	
0.10	0 049	mg/T.	SW846 8015B
			MCAWW 300.0A
		3/ —	
0.061	0.010	/=	GHOAC OOLED
			SW846 8015B MCAWW 300.0A
92.0	30.0	mg/ n	MCAWW 300.0A
0.30	0.048	mg/L	SW846 8015B
0.19	0.10		SW846 8015B
2.3			SW846 8021B
6.6			SW846 8021B
		_	MCAWW 300.0A
	0.23 48.7 0.092 81.4 0.62 30 1.5 2.5 117 0.052 66.8 0.10 69.8	0.23	0.23

EXECUTIVE SUMMARY - Detection Highlights

I7D270189

		T) 77 (7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REPORTING	IDITEC	ANALYTICAL
	PARAMETER	RESULT	LIMIT	UNITS	METHOD
MW-14	04/26/07 07:48 016				
	Diesel Range Organics	0.13	0.048	mg/L	SW846 8015B
	Chloride	192	50.0	mg/L	MCAWW 300.0A
/W−18	04/26/07 08:05 017				
	Diesel Range Organics	0.30	0.048	mg/L	SW846 8015B
	Gasoline Range Organics	9.2	2.0	mg/L	SW846 8015B
	Benzene	3000	20	ug/L	SW846 8021B
	Ethylbenzene	110	20	ug/L	SW846 8021B
	Xylenes (total)	100	60	ug/L	SW846 8021B
	Chloride	203	50.0	mg/L	MCAWW 300.0A
MW-12	04/26/07 08:22 018				
	Diesel Range Organics	0.58	0.048	mg/L	SW846 8015B
	Gasoline Range Organics	14	2.5	mg/L	SW846 8015B
	Benzene	3200	25	ug/L	SW846 8021B
	Ethylbenzene	230	25	ug/L	SW846 8021B
	Xylenes (total)	200	75	ug/L	SW846 8021B
	Chloride	175	50.0	mg/L	MCAWW 300.0A
SVE-1	0 04/26/07 08:43 019				
	Diesel Range Organics	0.41	0.048	mg/L	SW846 8015B
	Gasoline Range Organics	0.56	0.10	mg/L	SW846 8015B
	Benzene	1.8	1.0	ug/L	SW846 8021B
	Ethylbenzene	12	1.0	ug/L	SW846 8021B
	Chloride	256	50.0	mg/L	MCAWW 300.0A
MW-6	04/26/07 09:03 020				
	Diesel Range Organics	6.7	0.24	mg/L	SW846 8015B
	Gasoline Range Organics	15	1.0	mg/L	SW846 8015B
	Benzene	1500	10	ug/L	SW846 8021B
	Ethylbenzene	310	10	ug/L	SW846 8021B
	Toluene	1200	10	ug/L	SW846 8021B
	Xylenes (total)	660	30	ug/L	SW846 8021B
	XVIENES (TOTAL)				

EXECUTIVE SUMMARY - Detection Highlights

I7D270189

	PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DUP-2	04/26/07 021				
	Diesel Range Organics	0.60	0.049	mg/L	SW846 8015B
	Gasoline Range Organics	14	1.0	mg/L	SW846 8015B
	Benzene	3100	20	ug/L	SW846 8021B
	Ethylbenzene	200	20	ug/L	SW846 8021B
	Xylenes (total)	200	60	ug/L	SW846 8021B
	Chloride	166	50.0	mg/L	MCAWW 300.0A
MW-22	04/25/07 12:53 023				
	Diesel Range Organics	0.20	0.049	mg/L	SW846 8015B
	Chloride	79.8	50.0	mg/L	MCAWW 300.0A

PREPARATION METHODS SUMMARY

I7D270189

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

References:

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

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

METHOD / ANALYST SUMMARY

I7D270189

ANALYTIC METHOD	CAL	ANALYST	ANALYST ID
MCAWW 3	00.0A	David A. Tocher	800002
SW846 80	015B	Eddie Reyes	036028
SW846 80	015B	Todd Plybon	000059
SW846 80	021B	Kim Houdek	402993
SW846 80	021B	Todd Plybon	000059
Reference	ces:		
MCAWW		Chemical Analysis of Water and Wa 020, March 1983 and subsequent re	
SW846		for Evaluating Solid Waste, Phys	

SAMPLE SUMMARY

I7D270189

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVR0F	001	MW-21	04/25/07	07:10
JVROT	002	MW-16	04/25/07	07:28
JVR11	003	MW-20	04/25/07	07:44
JVR13	004	MW-17	04/25/07	08:00
JVR14	005	MW-25	04/25/07	08:20
JVR16	006	MW-24	04/25/07	08:40
JVR19	007	MW-15	04/25/07	09:00
JVR2A	008	MW-4	04/25/07	
JVR2D	009	MW-5	04/25/07	10:34
JVR2F	010	MW-26	04/25/07	
JVR2H	011	MW-27	04/25/07	
JVR2P	012	MW-23	04/25/07	
JVR2T	013	MW-13	04/25/07	
JVR21	014	MW-19	04/25/07	
JVR24	015	DUP-1	04/25/07	
JVR26	016	MW-14	04/26/07	07:48
JVR29	017	MW-18	04/26/07	
JVR3A	018	MW-12	04/26/07	
JVR3C	019	SVE-10	04/26/07	
VR3E	020	MW-6	04/26/07	
JVR3F	021	DUP-2	04/26/07	
JVR3H	022	TRIP BLANK	04/25/07	
JVR5N	023	MW-22	04/25/07	12:53

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

I7D270189

Sample Preparation and Analysis Control Numbers

		ANALYT	CICAL		LEACH	PREP	
SAMPLE#	MATRIX	METHOD)		BATCH #	BATCH #	MS RUN#
001	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7128201	7128134
•	WATER	SW846	8021B			7128190	7128122
002	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7128201	7128134
	WATER	SW846	8021B			7129065	7129040
003	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7128201	7128134
	WATER	SW846	8021B	,		7129065	7129040
004	WATER	MCAWW	300.0A			7134169	7134096
ı	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7128201	7128134
	WATER	SW846	8021B			7129065	7129040
005	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7128201	7128134
	WATER	SW846	8021B		• •	7129065	7129040
006	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B	e.		7128201	7128134
	WATER	SW846	8021B	•		7129065	7129040
007	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7130084	7130065
	WATER	SW846	8021B			7130139	7130102
008	WATER	MCAWW	300.0A			7134169	7134096
	WATER	SW846	8015B			7120543	7120318
	WATER	SW846	8015B			7130084	7130065
	WATER	SW846	8021B			7130139	7130102
009	WATER	MCAWW	300.0A			7135470	7135259
	WATER	SW846	8015B			7120543	7120318
	WATER		8015B		,	7130084	7130065

QC DATA ASSOCIATION SUMMARY

I7D270189

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALY METHO		LEACH BATCH #	PREP BATCH #	MS RUN#
009	WATER	SW846	8021B		7130139	7130102
010	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7120543	7120318
	WATER	SW846	8015B		7130084	7130065
	WATER		8021B		7130139	7130102
011	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
012	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
•	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
013	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
014	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
015	WATER	MCAWW	300.0A		7134169	7134096
	WATER		8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
016	WATER	MCAWW	300.0A	·	7134169	7134096
	WATER		8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
017	WATER	MCAWW	300.0A		7135470	7135259
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102

QC DATA ASSOCIATION SUMMARY

I7D270189

Sample Preparation and Analysis Control Numbers

		ANALY	FICAL	LEACH	PREP	
SAMPLE#	MATRIX	METHOI)	BATCH #	BATCH #	MS RUN#
018	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
019	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
,	WATER	SW846	8021B		7130139	7130102
020	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
021	WATER	MCAWW	300.0A	·	7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B	•	7130084	7130065
	WATER	SW846	8021B		7131203	7131148
022	WATEŖ	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102
023	WATER	MCAWW	300.0A		7134169	7134096
	WATER	SW846	8015B		7121369	
	WATER	SW846	8015B		7130084	7130065
	WATER	SW846	8021B		7130139	7130102

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #...: I7D270189-001 Work Order #...: JVR0F1AA Matrix...... WATER

Date Sampled...: 04/25/07 07:10 Date Received..: 04/27/07 08:30

Prep Date....: 05/07/07 Analysis Date..: 05/07/07 Prep Batch #...: 7128201 Analysis Time..: 19:33

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics ND 0.10 mg/L

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 96 (75 - 122)

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #...: I7D270189-001 Work Order #...: JVR0F1AD Matrix.....: WATER

Date Sampled...: 04/25/07 07:10 Date Received..: 04/27/07 08:30

Prep Date....: 05/07/07

Analysis Date..: 05/07/07 Analysis Time..: 19:33

Prep Batch #...: 7128190
Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
•	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	95	(81 - 119)	
a.a.a-Trifluorotoluene (TFT)	92	(59 ~ 157)	1

Client Sample ID: MW-21

GC Semivolatiles

Lot-Sample #...: I7D270189-001 Work Order #...: JVR0F1AC Matrix..... WATER

Date Sampled...: 04/25/07 07:10 Date Received..: 04/27/07 08:30

Prep Date....: 04/30/07 Analysis Date..: 05/04/07

Prep Batch #...: 7120543 Analysis Time..: 19:56

Dilution Factor: 0.99

Method.....: SW846 8015B

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.18 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 78
 (48 - 153)

 Dotriacontane
 98
 (35 - 143)

Client Sample ID: MW-21

General Chemistry

Lot-Sample #...: I7D270189-001 Work

Work Order #...: JVR0F

UNITS

Matrix....: WATER

Date Sampled...: 04/25/07 07:10 Date Received..: 04/27/07 08:30

PREPARATION-

PREP

PARAMETER

RESULT

RL

METHOD

ANALYSIS DATE

BATCH #

Chloride

572

100 mg/L

MCAWW 300.0A

~05/12/07

7134169

Dilution Factor: 100

Analysis Time..: 09:03

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #: I7D270189-002	Work Order #:	JVR0T1AA	Matrix:	WATER
Date Sampled: 04/25/07 07:28	Date Received:	04/27/07 08:30)	
Prep Date: 05/07/07	Analysis Date:	05/07/07 .		
Prep Batch #: 7128201	Analysis Time:	20:00		
Dilution Factor: 1				
	Method:	SW846 8015B		
		REPORTING	•	
PARAMETER	RESULT	LIMIT UNI	TS	
Gasoline Range Organics	ND	0.10 mg/	L	
·				
	PERCENT	RECOVERY		

LIMITS

RECOVERY

96

SURROGATE

4-Bromofluorobenzene (GRO)

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #:	I7D270189-002	Work Order #:	JVR0T1AD	Matrix:	WATER
Date Campled .	04/25/07 07.28	Date Peceived .	04/27/07 09.20		

Prep Date....: 05/08/07 Analysis Date.:: 05/08/07

Prep Batch #...: 7129065 Analysis Time..: 19:52

Dilution Factor: 1 Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	98	(81 - 119)	-
a,a,a-Trifluorotoluene (TFT)	92	(59 - 157)	

Client Sample ID: MW-16

GC Semivolatiles

Lot-Sample #:	I7D270189-002	Work Order #	.: JVROT1AC	Matrix:	WATER
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Date Sampled...: 04/25/07 07:28 Date Received..: 04/27/07 08:30

Prep Date....: 04/30/07 Analysis Date..: 05/04/07

Prep Batch #...: 7120543 Analysis Time..: 20:29
Dilution Factor: 0.99

Method.....: SW846 8015B

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

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 78
 (48 - 153)

 Dotriacontane
 94
 (35 - 143)

Client Sample ID: MW-16

General Chemistry

Lot-Sample #...: I7D270189-002 Work Order #...: JVROT Matrix.....: WATER

Date Sampled...: 04/25/07 07:28 Date Received..: 04/27/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 156
 50.0
 mg/L
 MCAWW 300.0A
 05/12/07
 7134169

Dilution Factor: 50 Analysis Time..: 09:18

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #...: I7D270189-003 Work Order #...: JVR111AA Matrix...... WATER

Date Sampled...: 04/25/07 07:44 Date Received..: 04/27/07 08:30

Prep Date....: 05/07/07 Analysis Date..: 05/07/07

Prep Batch #...: 7128201 Analysis Time..: 20:28

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics ND 0.10 mg/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 98 (75 - 122)

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #: I	I7D270189-003	Work Order	#: JVR111AD	Matrix	WATER
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Date Sampled...: 04/25/07 07:44 Date Received..: 04/27/07 08:30

Prep Date....: 05/08/07
Prep Batch #...: 7129065

Analysis Date..: 05/08/07 Analysis Time..: 20:20

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
-	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	100	(81 - 119)	•
a,a,a-Trifluorotoluene (TFT)	95	(59 - 157)	

Client Sample ID: MW-20

GC Semivolatiles

Lot-Sample #: I7D270189-003	Work Order #:	JVR111AC		Matrix:	WATER
Date Sampled: 04/25/07 07:44	Date Received:	04/27/07 0	08:30		
Prep Date: 04/30/07	Analysis Date:	05/04/07			
Prep Batch #: 7120543	Analysis Time:	21:02			
Dilution Factor: 0.99					
	Method:	SW846 8015	5B		
•					
		REPORTING			
PARAMETER	RESULT	LIMIT	UNIT	S	
Diesel Range Organics	0.075	0.050	mg/L		
_					
	PERCENT	RECOVERY			
SURROGATE	RECOVERY	LIMITS	_		

75 87

o-Terphenyl

Dotriacontane

(48 - 153) (35 - 143)

Client Sample ID: MW-20

General Chemistry

Lot-Sample #...: I7D270189-003

Work Order #...: JVR11

Matrix..... WATER

Date Sampled...: 04/25/07 07:44 Date Received..: 04/27/07 08:30

UNITS

PARAMETER

RESULT

METHOD

ANALYSIS DATE

BATCH #

PREP

Chloride

67.8

20.0 mg/L MCAWW 300.0A

05/12/07

PREPARATION-

7134169

Dilution Factor: 20

Analysis Time..: 10:03

Client Sample ID: MW-17

GC Volatiles

Lot-Sample #:	I7D270189-004	Work Order #	: JVR131AA		Matrix:	WATER
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Date Sampled...: 04/25/07 08:00 Date Received..: 04/27/07 08:30

 Prep Date.....:
 05/07/07
 Analysis Date...:
 05/07/07

 Prep Batch #...:
 7128201
 Analysis Time...:
 20:57

Dilution Factor: 1

- A *: 3. • 3

Method..... SW846 8015B

PARAMETER RESULT REPORTING
LIMIT

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

SURROGATEPERCENTRECOVERY4-Bromofluorobenzene (GRO)95(75 - 122)

Client Sample ID: MW-17

GC Volatiles

Lot-Sample #: I7D270189-004	Work Order #: JVR131AD	Matrix: WATE	ΞR
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Date Sampled...: 04/25/07 08:00 Date Received..: 04/27/07 08:30

Prep Date....: 05/08/07 Analysis Date..: 05/08/07 Prep Batch #...: 7129065

Analysis Time..: 20:49

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	97	(81 - 119)	_ }
a.a.a-Trifluorotoluene (TFT)	88	(59 - 157))

Client Sample ID: MW-17

GC Semivolatiles

Lot-Sample #:	I7D270189-004	Work Order #: JVR131AC	Matrix WATER

Date Sampled...: 04/25/07 08:00 Date Received..: 04/27/07 08:30

Prep Date....: 04/30/07 Analysis Date..: 05/04/07 Prep Batch #...: 7120543 Analysis Time..: 21:35

Dilution Factor: 0.98

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.16 0.049 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 80
 (48 - 153)

 Dotriacontane
 90
 (35 - 143)

Client Sample ID: MW-17

General Chemistry

Lot-Sample #...: I7D270189-004

Work Order #...: JVR13

Matrix....: WATER

Date Sampled...: 04/25/07 08:00 Date Received..: 04/27/07 08:30

PREPARATION-PREP PARAMETER ANALYSIS DATE BATCH # Chloride 189 50.0 MCAWW 300.0A 05/12/07 mg/L 7134169

Dilution Factor: 50

Analysis Time..: 10:18

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #...: I7D270189-005 Work Order #...: JVR141AA Matrix.....: WATER

Date Sampled...: 04/25/07 08:20 Date Received..: 04/27/07 08:30

Prep Date....: 05/07/07 Analysis Date..: 05/07/07

Prep Batch #...: 7128201 Analysis Time..: 21:26
Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics ND 0.10 mg/L

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

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #:	I7D270189-005	Work Order #:	JVR141AD	Matrix:	WATER
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Date Sampled...: 04/25/07 08:20 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/08/07
 Analysis Date..:
 05/08/07

 Prep Batch #...:
 7129065
 Analysis Time..:
 21:17

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	1.0	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
	PERCENT	RECOVERY	•
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	96	(81 - 119)	-
a.a.a-Trifluorotoluene (TFT)	98	(59 - 157)	

Client Sample ID: MW-25

GC Semivolatiles

Lot-Sample #: I7D270189-0	5 Work Order	#: JVR141AC	Matrix:	WATER
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Date Sampled...: 04/25/07 08:20 Date Received..: 04/27/07 08:30

Prep Date....: 04/30/07 Analysis Date..: 05/04/07 Prep Batch #...: 7120543 Analysis Time..: 22:08

Dilution Factor: 0.97

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.43 0.048 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 84
 (48 - 153)

 Dotriacontane
 96
 (35 - 143)

Client Sample ID: MW-25

General Chemistry

Lot-Sample #...: I7D270189-005

Work Order #...: JVR14

Matrix....: WATER

Date Sampled...: 04/25/07 08:20 Date Received..: 04/27/07 08:30

PREP PREPARATION-ANALYSIS DATE BATCH #

PARAMETER Chloride

RESULT RL220 50.0

UNITS mg/L MCAWW 300.0A

05/12/07

Dilution Factor: 50

Analysis Time..: 10:33

7134169

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #:	I7D270189-006	Work Order #:	JVR161AA	Matrix: WATER
·	/ /			

Date Sampled...: 04/25/07 08:40 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/07/07
 Analysis Date..:
 05/07/07

 Prep Batch #...:
 7128201
 Analysis Time..:
 21:55

Dilution Factor: 1 Method....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 0.22 0.10 mg/L

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

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #:	I7D270189-006	Work Order #:	JVR161AD	Matrix	WATER
Date Sampled:	04/25/07 08:40	Date Received:	04/27/07 08:30		

 Prep Date....:
 05/08/07
 Analysis Date..:
 05/08/07

 Prep Batch #...:
 7129065
 Analysis Time..:
 19:24

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	6.3	1.0	ug/L
Ethylbenzene	16	1.0	ug/L
Toluene	1.6	1.0	ug/L
Xylenes (total)	3.1	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE ·	RECOVERY	LIMITS	
Bromofluorobenzene	99	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	112	(59 - 157))

Client Sample ID: MW-24

GC Semivolatiles

Lot-Sample #; I7D270189-006	Work Order #:	JVR161AC	Matrix WATER
Date Sampled: 04/25/07 08:40	Date Received:	04/27/07 0	8:30
Prep Date: 04/30/07	Analysis Date:	05/04/07	
Prep Batch #: 7120543	Analysis Time:	22:41	
Dilution Factor: 0.98			
	Method:	SW846 8015	В
	•		
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.35	0.049	mg/L
	•		
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	82	(48 - 153)	

(35 - 143)

103

Dotriacontane

Client Sample ID: MW-24

General Chemistry

Lot-Sample #...: I7D270189-006

Work Order #...: JVR16

Matrix....: WATER

Date Sampled...: 04/25/07 08:40 Date Received..: 04/27/07 08:30

PREPARATION-PREP ANALYSIS DATE

PARAMETER Chloride 192

50:0 mg/L

METHOD MCAWW 300.0A

BATCH # 05/12/07 7134169

Dilution Factor: 50

Analysis Time..: 10:48

Client Sample ID: MW-15

GC Volatiles

Lot-Sample #: I7	D270189-007 Work O	rder #: J	VR191AA	M	atrix:	WATER
Date Sampled: 04	/25/07 09:00 Date Re	eceived: 0	4/27/07 0	8:30		
Prep Date: 05	/09/07 Analys :	is Date: 0!	5/09/07			
Prep Batch #: 713	30084 Analys:	is Time: 1	0:30			
Dilution Factor: 1						
: · · · · · · · · · · · · · · · · · · ·	Method	Si	W846 8015	B		
	•	RI	EPORTING			
PARAMETER	RESULT	L:	IMIT	UNITS		
Gasoline Range Organ	nics 0.43	0	.10	mg/L		
	PERCENT	r · RI	ECOVERY			

(75 - 122)

RECOVERY

SURROGATE

4-Bromofluorobenzene (GRO)

Client Sample ID: MW-15

GC Volatiles

Lot-Sample #: I7D270189-	007 Work Order #: JVR191AD	Matrix WATER
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Date Sampled...: 04/25/07 09:00 Date Received..: 04/27/07 08:30

Dilution Factor: 1

Method.....: SW846 8021B

•		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	3.7	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND .	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	95	(81 - 119)	<u> </u>
a.a.a-Trifluorotoluene (TFT)	111	(59 - 157)	

Client Sample ID: MW-15

GC Semivolatiles

Lot-Sample #: I7D Date Sampled: 04/ Prep Date: 04/ Prep Batch #: 712 Dilution Factor: 0.9	25/07 09:00 Date 30/07 Analy 0543 Analy		27/07 08:30 04/07 17	Matrix:	WATER
PARAMETER Diesel Range Organic	RESUL	REPO	ORTING LT UNIT		
SÜRROGATE	PERCE RECOV		OVERY ITS		

85

97

o-Terphenyl

Dotriacontane

(48 - 153)

(35 - 143)

Client Sample ID: MW-15

General Chemistry

Lot-Sample #...: I7D270189-007

Work Order #...: JVR19

Matrix....: WATER

Date Sampled...: 04/25/07 09:00 Date Received..: 04/27/07 08:30

					PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride	290	100	mg/L	MCAWW 300.0A	05/12/07 412	7134169
	Di	ilution Fa	ctor: 100	Analysis Time: 11:33		

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #:	I7D270189-008	Work Order #:	JVR2A1AA	Matrix:	WATER
Date Sampled:	04/25/07 10:20	Date Received:	04/27/07 08:30		
Prep Date:	05/09/07	Analysis Date:	05/09/07		
Prep Batch #:	7130084	Analysis Time:	10:56		
Dilution Factor:	1				
		Method:	SW846 8015B		
			DEDODTING		

PARAMETER	RESULT	LIMIT	UNITS
Gasoline Range Organics	ND	0.10	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
A-Bromofluorobenzene (GRO)	101	(75 - 122)	 \

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #:	I7D270189-008	Work Order #	: JVR2A1AD	Matrix	WATER
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Date Sampled...: 04/25/07 10:20 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130139
 Analysis Time..:
 10:05

Dilution Factor: 1

Method..... SW846 8021B

REPORTING	
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PARAMETER	RESULT	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
:	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	96	(81 - 119)	
a.a.a-Trifluorotoluene (TF)	r) 97	(59 - 157))·

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #: I7D270189-			Matrix: WATER
Date Sampled: 04/25/07 1	0:20 Date Received:	: 04/27/07 C	08:30
Prep Date: 04/30/07	Analysis Date:	: 05/05/07	
Prep Batch #: 7120543	Analysis Time:	: 00:20	
Dilution Factor: 1	-		
	Method:	SW846 8015	5B .
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.058	0.050	mg/L
	PERCENT	RECOVERY	
CITODOGAME			
SURROGATE	RECOVERY	LIMITS	•
o-Terphenyl	85	(48 - 153)	

(35 - 143)

100

Dotriacontane

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: I7D270189-008

Work Order #...: JVR2A

Matrix....: WATER

Date Sampled...: 04/25/07 10:20 Date Received..: 04/27/07 08:30

PREPARATION-PREP

PARAMETER

RESULT

MCAWW 300.0A

ANALYSIS DATE BATCH # 05/12/07 7134169

Chloride 68.8

50.0 mg/L Dilution Factor: 50

Analysis Time..: 12:01

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #: I7D270189	-009 Work Order #	: JVR2D1AA	Matrix:	WATER
Date Sampled: 04/25/07	10:34 Date Received.	: 04/27/07 08:3	0	
Prep Date: 05/09/07	Analysis Date	: 05/09/07		
Prep Batch #: 7130084	Analysis Time	: 11:23		
Dilution Factor: 1			•	
	Method	: SW846 8015B		
		REPORTING		
PARAMETER	RESULT	LIMIT UN	ITS	
Gasoline Range Organics	ND	0:10 mg	/L	

RECOVERY LIMITS

(75 - 122)

PERCENT

4-Bromofluorobenzene (GRO)

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #: I7D270189-009	Work Order #: JVR2D1AD	Matrix WATER
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Date Sampled...: 04/25/07 10:34 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07

Prep Batch #...: 7130139 Analysis Time..: 10:33

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	96	(81 - 119)	-
a a a-Trifluorotoluene (TFT)	95	(59 - 157)	

Client Sample ID: MW-5

GC Semivolatiles

Lot-Sample #: I7D270189-009	Work Order #: JVR2D1AC	Matrix WATER
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Date Sampled...: 04/25/07 10:34 Date Received..: 04/27/07 08:30

 Prep Date....:
 04/30/07
 Analysis Date..:
 05/05/07

 Prep Batch #...:
 7120543
 Analysis Time..:
 00:54

Dilution Factor: 0.99

o-Terphenyl

Dotriacontane

Method....: SW846 8015B

(48 - 153)

(35 - 143)

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.23	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_

79

89

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: I7D270189-009

Work Order #...: JVR2D

Matrix..... WATER

Date Sampled...: 04/25/07 10:34 Date Received..: 04/27/07 08:30

PARAMETER	RESULT	RL	UNITS .	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	48.7	10.0	mg/L	MCAWW 300.0A	05/14/07	7135470

Client Sample ID: MW-26

GC Volatiles

Lot-Sample #...: I7D270189-010 Work Order #...: JVR2F1AA Matrix..... WATER

Date Sampled...: 04/25/07 10:57 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130084
 Analysis Time..:
 12:44

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

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

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 103 (75 - 122)

Client Sample ID: MW-26

GC Volatiles

Lot-Sample #: I7D270189-010	Work Order #: JVR2F1AD	Matrix WATER
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Date Sampled...: 04/25/07 10:57 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Prep Batch #...: 7130139

Analysis Time.: 11:01

Analysis Date..: 05/09/07

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
,	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	95	(81 - 119)	-
a,a,a-Trifluorotoluene (TFT)	98	(59 - 157)	

Client Sample ID: MW-26

GC Semivolatiles

Lot-Sample #:	17D270189-010	Work Order	#: JVR2F1AC	Matrix:	WATER
Date Sampled	04/25/07 10:57	Date Receiv	red • 04/27/07	08.30	

Date Sampled...: 04/25/07 10:57 Date Received..: 04/27/07 08:30

Prep Date....: 04/30/07 Analysis Date..: 05/05/07 Prep Batch #...: 7120543 Analysis Time..: 01:27

Dilution Factor: 0.99

Method.....: SW846 8015B

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.092 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 72
 (48 - 153)

 Dotriacontane
 90
 (35 - 143)

Client Sample ID: MW-26

General Chemistry

Lot-Sample #...: I7D270189-010

Work Order #...: JVR2F

Matrix....: WATER

Date Sampled...: 04/25/07 10:57 Date Received..: 04/27/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	81.4	20.0	mg/L	MCAWW 300.0A	05/12/07	7134169

Client Sample ID: MW-27

GC Volatiles

Lot-Sample #: I7D270189-01	Work Order #: JVR2H1AA	Matrix WATER
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Date Sampled...: 04/25/07 00:20 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Analysis Time..: 13:11 Prep Batch #...: 7130084

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

RECOVERY

PARAMETER RESULT LIMIT UNITS ND Gasoline Range Organics mg/L

PERCENT

RECOVERY LIMITS

SURROGATE 4-Bromofluorobenzene (GRO) 102 (75 - 122)

Client Sample ID: MW-27

GC Volatiles

_	04/25/07 00:20	Work Order #: Date Received: Analysis Date:	04/27/07	
Prep Batch #:	7130139	Analysis Time:	11:28	
Dilution Factor:	1			
		Method:	SW846 802	1B
			REPORTING	
PARAMETER		RESULT	LIMIT	UNITS
Benzene		30	1.0	ug/L
Ethylbenzene		1.5	1.0	ug/L
Toluene		2.5	1.0	ug/L
Xylenes (total)		ND	3.0	. ug/L
•	·			
		PERCENT	RECOVERY	

96

101

LIMITS

(81 - 119)

(59 - 157)

SURROGATE

Bromofluorobenzene

a,a,a-Trifluorotoluene (TFT)

Client Sample ID: MW-27

GC Semivolatiles

Lot-Sample #: I7D270189-011	Work Order #: JVR2H1AC	Matrix: WATER
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Date Sampled...: 04/25/07 00:20 Date Received..: 04/27/07 08:30

 Prep Date.....: 05/01/07
 Analysis Date..: 05/07/07

 Prep Batch #...: 7121369
 Analysis Time..: 19:08

Dilution Factor: 0.97

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.62 0.048 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 85
 (48 - 153)

 Dotriacontane
 98
 (35 - 143)

Client Sample ID: MW-27

General Chemistry

Lot-Sample #...: I7D270189-011

Work Order #...: JVR2H

Matrix....: WATER

Date Sampled...: 04/25/07 00:20 Date Received..: 04/27/07 08:30

PREPARATION-PREP

PARAMETER Chloride

RESULT

50.0

METHOD MCAWW 300.0A ANALYSIS DATE 05/12/07

BATCH #

117 Dilution Factor: 50

Analysis Time..: 12:46

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #: I7D270189-012	Work Order #: JVR2P1AA	Matrix WATER
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Date Sampled...: 04/25/07 12:35 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130084 Analysis Time..: 14:06

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

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

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

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #: I7D270	189-012 Work Order	#: JVR2P1AD	Matrix	WATER
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Date Sampled...: 04/25/07 12:35 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130139 Analysis Time..: 12:52

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	 LIMITS	_
Bromofluorobenzene	97	 (81 - 119)	_
a,a,a-Trifluorotoluene (TFT)	96	(59 - 157)	

Client Sample ID: MW-23

GC Semivolatiles

roc-sampre #:	1/02/0189-012	work Order #:	JVR2P1AC	Matrix WATER
Date Sampled:	04/25/07 12:35	Date Received	04/27/07 08:30)
Prep Date:	05/01/07	Analysis Date:	05/07/07	

 Prep Date.....: 05/01/07
 Analysis Date..: 05/07/07

 Prep Batch #...: 7121369
 Analysis Time..: 19:41

Dilution Factor: 0.96

Method.....: SW846 8015B

PARAMETER Diesel Range Organics	RESULT 0.052	REPORTING LIMIT UNITS 0.048 mg/L
	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
o-Terphenyl	77	(48 - 153)
Dotriacontane	93	(35 - 143)

Client Sample ID: MW-23

General Chemistry

Lot-Sample #...: I7D270189-012

Work Order #...: JVR2P

Matrix....: WATER

Date Sampled...: 04/25/07 12:35 Date Received..: 04/27/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 66.8
 50.0
 mg/L
 MCAWW 300.0A
 05/12/07
 7134169

Dilution Factor: 50 Analysis Time..: 13:01

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #:	I7D270189-013	Work Order #.	: JVR2T1AA	Matrix:	WATER
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Date Sampled...: 04/25/07 13:10 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130084
 Analysis Time..:
 14:33

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETERRESULTLIMITUNITSGasoline Range OrganicsND0.10mg/L

PERCENT RECOVERY

SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 101 (75 - 122)

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #: I7D270189-01	.3 Work Order #: JVR2T1AD	Matrix WATER

Date Sampled...: 04/25/07 13:10 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130139 Analysis Time..: 13:20

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT (RECOVERY	`
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	93	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	97	(59 - 157)	

Client Sample ID: MW-13

GC Semivolatiles

roc-sample #: 1/D2/0189-013	work Order #:	JVRZTIAC	Matrix WATER
Date Sampled: 04/25/07 13:10	Date Received:	04/27/07 08:30	
Prep Date: 05/01/07	Analysis Date:	05/07/07	
Prep Batch #: 7121369	Analysis Time:	20:14	
Dilatia Darkan 0 00			

(35 - 143)

Dilution Factor: 0.98

Method....: SW846 8015B

Dotriacontane

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PARAMETER	KESULI	TITMIT	ONTIS
Diesel Range Organics	0.10	0.049	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
o-Terphenyl	80	(48 - 153)	

96

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I7D270189-013

Work Order #...: JVR2T

Matrix..... WATER

Date Sampled...: 04/25/07 13:10 Date Received..: 04/27/07 08:30

PREPARATION-PREP PARAMETER RESULT ANALYSIS DATE Chloride 69.8 20.0 MCAWW 300.0A 05/12/07 7134169

Dilution Factor: 20

Analysis Time..: 13:16

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #:	I7D270189-014	Work Order #:	JVR211AA	Matrix:	WATER
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Date Sampled...: 04/25/07 13:28 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130084
 Analysis Time..:
 15:00

Dilution Factor: 1

Method....: SW846 8015B

REPORTING

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

PERCENT RECOVERY

SURROGATERECOVERYLIMITS4-Bromofluorobenzene (GRO)102. (75 - 122)

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #: I7D270189-0	4 Work Order #: JVR211AD	Matrix WATER
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Date Sampled...: 04/25/07 13:28 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130139
 Analysis Time..:
 13:53

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT UNIT	S
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	
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	90	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	94	(59 - 1 57)	

Client Sample ID: MW-19

GC Semivolatiles

nor-pampre #	1/02/0109-014	MOTY OTGET #	UVICITAC	MACLIA WALL.	LC
Date Sampled:	04/25/07 13:28	Date Received:	04/27/07 08:30		
Prep Date:	05/01/07	Analysis Date:	05/07/07		
Prep Batch #:	7121369	Analysis Time:	20:47		

Dilution Factor: 0.98

Dotriacontane

Method....: SW846 8015B

· (35 - 143)

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.061	0.049	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	75	(48 - 153)	

. 91

Client Sample ID: MW-19

General Chemistry

Lot-Sample #...: I7D270189-014

Work Order #...: JVR21

Matrix..... WATER

Date Sampled...: 04/25/07 13:28 Date Received..: 04/27/07 08:30

Chloride	92.6	50.0	mg/L	MCAWW 300.0A	05/12/07	7134169
PARAMETER	RESULT	RL_	UNITS	METHOD	ANALYSIS DATE	BATCH #
					PREPARATION-	PREP

Dilution Factor: 50

Analysis Time..: 13:31

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #: I7D270189-015 Date Sampled: 04/25/07 Prep Date: 05/09/07 Prep Batch #: 7130084 Dilution Factor: 1	Work Order #: Date Received: Analysis Date: Analysis Time:	04/27/07 0 05/09/07		Matrix	: WATER
Dilution Factor: 1	Method:	SW846 8015	5B		i e e e general
PARAMETER	RESULT	REPORTING LIMIT	UNITS	4	
)	
Gasoline Range Organics	0.19	0.10	mg/L		
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	_		

104

4-Bromofluorobenzene (GRO)

(75 - 122)

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #: I7D270189-015	Work Order #: JVR241AD	Matrix WATER
Date Sampled: 04/25/07	Date Received: 04/27/07 08:30	I
Prep Date: 05/09/07	Analysis Date: 05/09/07	
Prep Batch #: 7130139	Analysis Time: 14:21	

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	2.3	1.0	ug/L
Ethylbenzene	6.6	1.0	ug/L
Toluene	ND	1.0	ug/L
<pre>Xylenes (total)</pre>	ND	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	95	(81 - 119)	-) ,
a,a,a-Trifluorotoluene (TFT)	114	(59 - 157)	,

Client Sample ID: DUP-1

GC Semivolatiles

Lot-Sample #: Date Sampled:	04/25/07	Work Order #: Date Received:	04/27/07 0	Matrix: WATER 8:30
Prep Date:		Analysis Date:	05/07/07	
Prep Batch #:	7121369	Analysis Time:	21:20	
Dilution Factor:	0.96			
		Method:	SW846 8015	В
	•		REPORTING	
PARAMETER		RESULT	LIMIT	UNITS
Diesel Range Orga	mics	0.30	0.048	mg/L
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
o-Terphenyl		79	(48 - 153)	

95

Dotriacontane

(35 - 143)

Client Sample ID: DUP-1

General Chemistry

Lot-Sample #...: I7D270189-015

Work Order #...: JVR24

Matrix....: WATER

Date Sampled...: 04/25/07

Date Received..: 04/27/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 181
 50.0
 mg/L
 MCAWW 300.0A
 05/12/07
 7134169

Dilution Factor: 50

Analysis Time..: 13:46

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #...: I7D270189-016 Work Order #...: JVR261AA Matrix....: WATER

Date Sampled...: 04/26/07 07:48 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07

Prep Batch #...: 7130084 Analysis Time..: 16:49
Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

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

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 103 (75 - 122)

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #:	I7D270189-016	Work	Order	#:	JVR261AD	Matrix:	WATER
				_			

Date Sampled...: 04/26/07 07:48 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130139
 Analysis Time..:
 16:47

Dilution Factor: 1 Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	96	(81 - 119)	_
a,a,a-Trifluorotoluene (TFT)	102	(59 - 157)	1

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #: I7D270189-016	Work Order	#: JVR261AC	Matrix:	WATER
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Date Sampled...: 04/26/07 07:48 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/01/07
 Analysis Date..:
 05/07/07

 Prep Batch #...:
 7121369
 Analysis Time..:
 21:53

Dilution Factor: 0.97

o-Terphenyl

Dotriacontane

Method..... SW846 8015B

(48 - 153)

(35 - 143)

•		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.13	0.048	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

82

94

Client Sample ID: MW-14

General Chemistry

Lot-Sample #...: I7D270189-016

Work Order #...: JVR26

Matrix....: WATER

Date Sampled...: 04/26/07 07:48 Date Received..: 04/27/07 08:30

Chloride	192	50.0	mg/L	MCAWW 300.0A	05/12/07	7134169
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
	* .				PREPARATION-	PREP

Dilution Factor: 50

Analysis Time..: 14:01

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #:	I7D270189-017	Work Order #.	: JVR291AA	Matrix:	WATER
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Date Sampled...: 04/26/07 08:05 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130084 Analysis Time..: 17:16

Dilution Factor: 20

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 9.2 2.0 mg/L

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

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #:	I7D270189-017	Work Order #:	JVR291AD	Matrix WATER
Date Sampled:	04/26/07 08:05	Date Received:	04/27/07 0	8:30
Prep Date:	05/09/07	Analysis Date:	05/09/07	
Prep Batch #:	7130139	Analysis Time:	17:15	
Dilution Factor: 2	20			
		Method:	SW846 8021	В
			REPORTING	
PARAMETER		RESULT	LIMIT	UNITS
Benzene		3000	20	ug/L

RESULT	LIMIT	UNITS
3000	20	ug/L
110	20	ug/L
ND	20	ug/L
100	60	ug/L
PERCENT	RECOVERY	
RECOVERY	LIMITS	_
93	(81 - 119)	
107	(59 - 157)	
	3000 110 ND 100 PERCENT RECOVERY 93	3000 20 110 20 ND 20 100 60 PERCENT RECOVERY RECOVERY LIMITS 93 (81 - 119)

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #:	I7D270189-017	Work Order #:	JVR291AC	1	Matrix	:	WATER
Date Sampled:	04/26/07 08:05	Date Received:	04/27/07 0	8:30			
Prep Date:	05/01/07	Analysis Date:	05/07/07				
Prep Batch #:	7121369	Analysis Time:	22:26				
Dilution Factor:	0.97						
•		Method:	SW846 8015	B			
	•						
			REPORTING				
PARAMETER		RESULT	LIMIT	UNITS	· ·		
Diesel Range Orga	nics	0.30	0.048	mg/L			

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 64
 (48 - 153)

 Dotriacontane
 82
 (35 - 143)

Client Sample ID: MW-18

General Chemistry

Lot-Sample #...: I7D270189-017

Work Order #...: JVR29

Matrix..... WATER

Date Sampled...: 04/26/07 08:05 Date Received..: 04/27/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	203	50.0 ution Fact	mg/L .or: 50	MCAWW 300.0A Analysis Time: 14:58	05/14/07	7135470

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #...: I7D270189-018 Work Order #...: JVR3A1AA Matrix....: WATER

Date Sampled...: 04/26/07 08:22 Date Received..: 04/27/07 08:30

Prep Batch #...: 7130084 Analysis Time..: 17:43
Dilution Factor: 25

Method....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 14 2.5 mg/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 107 (75 - 122)

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #:	I7D270189-018	Work Order #:	JVR3A1AD	Matrix:	WATER
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Date Sampled...: 04/26/07 08:22 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Prep Batch #...: 7130139

709/07 Analysis Date..: 05/09/07 30139 Analysis Time..: 19:06

Dilution Factor: 25

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	3200	25	ug/L
Ethylbenzene	230	25	ug/L
Toluene	ND	25	ug/L
Xylenes (total)	200	75	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	94	(81 - 119)	-
a.a.a-Trifluorotoluene (TFT)	112	(59 - 157)	

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #: I7D270189-018	Work Order #: JVR3A1AC	Matrix WATER
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Date Sampled...: 04/26/07 08:22 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/01/07
 Analysis Date...
 05/07/07

 Prep Batch #...:
 7121369
 Analysis Time...
 22:59

Dilution Factor: 0.97

Dotriacontane

Method.....: SW846 8015B

(35 - 143)

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.58	0.048	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
o-Terphenyl	69	(48 - 153)	

90

Client Sample ID: MW-12

General Chemistry

Lot-Sample #...: I7D270189-018

Work Order #...: JVR3A

Matrix....: WATER

Date Sampled...: 04/26/07 08:22 Date Received..: 04/27/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	175	50.0	mg/L	MCAWW 300.0A	05/12/07	7134169

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #:	I7D270189-019	Work Order #	: JVR3C1AA	Matrix:	WATER
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Date Sampled...: 04/26/07 08:43 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130084 Analysis Time..: 18:10

Dilution Factor: 1

Method...... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 0.56 0.10 mg/L

PERCENT RECOVERY

SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 114 (75 - 122)

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #: I7D270189-019	Work Order	#: JVR3C1AD	Matrix:	WATER
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Date Sampled...: 04/26/07 08:43 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Prep Batch #...: 7130139

Analysis Date..: 05/09/07 Analysis Time..: 19:53

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	1.8	1.0	ug/L
Ethylbenzene	12	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND .	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	100	(81 - 119)	_
a,a,a-Trifluorotoluene (TFT)	111	(59 - 157)	

Client Sample ID: SVE-10

GC Semivolatiles

Lot-Sample #: I7D270189-01	Work Order #: JVR3C1AC	Matrix WATER
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Date Sampled...: 04/26/07 08:43 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/01/07
 Analysis Date..:
 05/07/07

 Prep Batch #...:
 7121369
 Analysis Time..:
 23:32

Dilution Factor: 0.97

Method.....: SW846 8015B

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.41 0.048 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 81
 (48 - 153)

 Dotriacontane
 92
 (35 - 143)

Client Sample ID: SVE-10

General Chemistry

Lot-Sample #...: I7D270189-019 Work Order #...: JVR3C

Matrix..... WATER

Date Sampled...: 04/26/07 08:43 Date Received..: 04/27/07 08:30

PREPARATION-PREP PARAMETER BATCH # RESULT RL UNITS ANALYSIS DATE 256 50.0 05/12/07 Chloride mg/L MCAWW 300.0A 7134169

Dilution Factor: 50

Analysis Time..: 15:16

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #: I7D270189-020 Work Order #: JVR3E1AA Matrix: WA	Lot-Sample #	: I7D270189-020	Work Order #: JVR3E	1AA Matrix	. WATER
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Date Sampled...: 04/26/07 09:03 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130084 Analysis Time..: 18:37

Prep Batch #...: 7130084 Analysis Time..: 1
Dilution Factor: 10

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 15 1.0 mg/L

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #: I7D270189-020 Date Sampled: 04/26/07 09:0	3 Date Received:	04/27/07	
Prep Date: 05/09/07	Analysis Date:	05/09/07	
Prep Batch #: 7130139	Analysis Time:	20:21	
Dilution Factor: 10			•
	Method:	SW846 8021	1B
•	•	•	
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	1500	10	ug/L
Ethylbenzene	310	10	ug/L
Toluene	1200	10	ug/L
Xylenes (total)	660	30	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS '	

(81 - 119)

(59 - 157)

97

.116

Bromofluorobenzene

a,a,a-Trifluorotoluene (TFT)

Client Sample ID: MW-6

GC Semivolatiles

Lot-Sample #: I7D270189-02	Work Order #: JVR3E1AC	Matrix WATER
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Date Sampled...: 04/26/07 09:03 Date Received..: 04/27/07 08:30

Prep Date....: 05/01/07 Analysis Date..: 05/08/07

Prep Batch #...: 7121369 Analysis Time..: 10:49

Dilution Factor: 4.9 Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 6.7 0.24 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 NC, I
 (48 - 153)

 Dotriacontane
 104
 (35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

Client Sample ID: MW-6

General Chemistry

Lot-Sample #...: I7D270189-020 Work Order #...: JVR3E

Matrix....: WATER

Date Sampled...: 04/26/07 09:03 Date Received..: 04/27/07 08:30

PREPARATION-PREP RESULT RLUNITS METHOD ANALYSIS DATE BATCH # PARAMETER Chloride 85.4 50.0 MCAWW 300.0A 05/12/07 7134169 mg/L

Dilution Factor: 50 Analysis Time..: 15:31

Client Sample ID: DUP-2

GC Volatiles

Lot-Sample #...: I7D270189-021

Work Order #...: JVR3F1AA

Matrix..... WATER

Date Sampled...: 04/26/07

Prep Date....: 05/09/07

Date Received..: 04/27/07 08:30

Analysis Date..: 05/09/07

Prep Batch #...: 7130084

Analysis Time..: 19:04

Dilution Factor: 10

Method..... SW846 8015B

REPORTING

PARAMETER

RESULT

LIMIT

UNITS

Gasoline Range Organics

14

1.0

mg/L

PERCENT

RECOVERY

RECOVERY LIMITS

SURROGATE

(75 - 122)

4-Bromofluorobenzene (GRO)

111

Client Sample ID: DUP-2

GC Volatiles

Lot-Sample #: I7D270189-021 Date Sampled: 04/26/07 Prep Date: 05/10/07 Prep Batch #: 7131203 Dilution Factor: 20	Work Order #: Date Received: Analysis Date: Analysis Time:	04/27/07 0 05/10/07	Matrix: WATER 08:30
	Method:	SW846 8021	LB
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	3100	20	ug/L
Ethylbenzene	200	20	ug/L
Toluene	ND	20	ug/L
Xylenes (total)	200	60	ug/L
	DEDCEME	DECOMEDY	÷
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

93

115

Bromofluorobenzene

a,a,a-Trifluorotoluene (TFT)

(81 - 119) (59 - 157)

Client Sample ID: DUP-2

GC Semivolatiles

Lot-Sample #: 17D270189-021 Date Sampled: 04/26/07 Prep Date: 05/01/07 Prep Batch #: 7121369 Dilution Factor: 0.98	Work Order #: Date Received: Analysis Date: Analysis Time:	04/27/07 0 05/08/07	
	Method:	SW846 8015	В
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.60	0.049	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	79	(48 - 153)	

98

o-Terphenyl Dotriacontane (48 - 153) (35 - 143)

Client Sample ID: DUP-2

General Chemistry

Lot-Sample #...: I7D270189-021

Work Order #...: JVR3F

Matrix....: WATER

Date Sampled...: 04/26/07

Date Received..: 04/27/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 166
 50.0
 mg/L
 MCAWW 300.0A
 05/12/07
 7134169

Dilution Factor: 50 Analysis Time..: 15:46

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #: I7D270189-022	Work Order #:	JVR3H1AA	Matrix:	WATER
Date Sampled: 04/25/07	Date Received:	04/27/07 08:3	30	
Prep Date: 05/09/07	Analysis Date:	05/09/07		
Prep Batch #: 7130084	Analysis Time:	13:38		
Dilution Factor: 1				
	Method:	SW846 8015B		
•				
		REPORTING		
PARAMETER	RESULT	LIMIT U	NITS	
Gasoline Range Organics	ND	0.10 mg	g/r	
	PERCENT	RECOVERY		

102

4-Bromofluorobenzene (GRO)

Client Sample ID: DUP

GC Volatiles

Lot-Sample #: 17G260169-022	Work Order #: J3LHM1AA	Matrix WATER
Date Sampled · 07/24/07	Date Received • 07/26/07 08:15	

Date Sampled...: 07/24/07 Date Received..: 07/26/07 08:15
Prep Date....: 08/02/07 Analysis Date..: 08/02/07

Prep Batch #...: 7215457 Analysis Time..: 20:07

Dilution Factor: 1 Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 0.34 0.10 mg/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 118 (75 - 122)

Client Sample ID: DUP

GC Volatiles

Lot-Sample #: 17G260169	9-022 Work Order #	: J3LHM2AD	Matrix WATER
Date Sampled: 07/24/07	Date Received	: 07/26/07 0	8:15
Prep Date: 08/07/07	Analysis Date	: 08/07/07	
Prep Batch #: 7220334	Analysis Time	: 14:23	
Dilution Factor: 1			
	Method	: SW846 8021	.B
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	5.1	1.0	ug/L
Ethylbenzene	15	1.0	սց/ե
Toluene	1.3	1.0	ug/L
Xylenes (total)	3.1	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	103	(81 - 119)	

(59 - 157)

107

a,a,a-Trifluorotoluene (TFT)

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #: I7D270189-023	Work Order #: JVR5N1AD	Matrix WATER
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Date Sampled...: 04/25/07 12:53 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130139
 Analysis Time..:
 15:44

Dilution Factor: 1

Method..... SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	•
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	95	(81 - 119)	-
a a a-Trifluorotoluene (TFT)	97	(59 - 157)	,

ConocoPhillips Company

Client Sample ID: MW-22

GC Semivolatiles

Lot-Sample #: I7D2701	.89-023 Work Orde:	r #: JVR5N1AC	Matrix:	WATER
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Date Sampled...: 04/25/07 12:53 Date Received..: 04/27/07 08:30

 Prep Date.....: 05/01/07
 Analysis Date...: 05/08/07

 Prep Batch #...: 7121369
 Analysis Time...: 01:10

Dilution Factor: 0.98

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.20 0.049 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 71
 (48 - 153)

 Dotriacontane
 94
 (35 - 143)

ConocoPhillips Company

Client Sample ID: MW-22

General Chemistry

Lot-Sample #...: I7D270189-023

Work Order #...: JVR5N

Matrix..... WATER

Date Sampled...: 04/25/07 12:53 Date Received..: 04/27/07 08:30

Chloride	79.8	50:0	mg/L	MCAWW 300.0A	05/12/07	7134169
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
					PREPARATION-	PREP

Dilution Factor: 50

Analysis Time..: 16:01

GC Volatiles

Client Lot #...: I7D270189

Work Order #...: JWGGL1AA

Matrix..... WATER

MB Lot-Sample #: I7E080000-201

Prep Date....: 05/07/07

Analysis Time..: 09:24

Analysis Date..: 05/07/07

Dilution Factor: 1

Prep Batch #...: 7128201

LIMIT

UNITS

REPORTING

SW846 8015B Gasoline Range Organics ND mg/L

PERCENT

RECOVERY LIMITS RECOVERY

SURROGATE 4-Bromofluorobenzene (GRO (75 - 122)

NOTE(S):

PARAMETER

GC Volatiles

Client Lot #...: I7D270189

Work Order #...: JWMA71AA

Matrix....: WATER

MB Lot-Sample #: I7E100000-084

Prep Date....: 05/09/07 Prep Batch #...: 7130084 Analysis Time..: 09:07

Analysis Date..: 05/09/07

Dilution Factor: 1

REPORTING

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

PERCENT

RECOVERY

<u>SURROGATE</u> <u>RECOVERY</u>

LIMITS

4-Bromofluorobenzene (GRO

102

(75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: 17D270189

Work Order #...: JWGET1AA

Matrix....: WATER

MB Lot-Sample #: 17E080000-190

Prep Date....: 05/07/07
Prep Batch #...: 7128190

Analysis Time..: 09:24

Analysis Date..: 05/07/07

Dilution Factor: 1

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B
	PERCENT	RECOVER'	Y	
SURROGATE	RECOVERY	LIMITS		
Bromofluorobenzene	94	(81 - 1	19)	
a,a,a-Trifluorotoluene	97	(59 - 1	57)	,
(TFT)		•		

NOTE(S):

GC Volatiles

Client Lot #...: 17D270189

Work Order #...: JWJDV1AA

Matrix..... WATER

MB Lot-Sample #: 17E090000-065

Prep Date....: 05/08/07
Prep Batch #...: 7129065

Analysis Time..: 14:44

Analysis Date..: 05/08/07

Dilution Factor: 1

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B
			•	
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
Bromofluorobenzene	97	(81 - 1	19)	
a,a,a-Trifluorotoluene	94	(59 - 1	57)	
(TFT)				

NOTE(S):

GC Volatiles

Client Lot #...: I7D270189

Work Order #...: JWMHA1AA

Matrix....: WATER

MB Lot-Sample #: I7E100000-139

Prep Date....: 05/09/07
Prep Batch #...: 7130139

Analysis Time..: 08:12

Analysis Date..: 05/09/07

Dilution Factor: 1

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD		
Benzene	ND	1.0	ug/L	SW846 8021B		
Ethylbenzene	ND	1.0	ug/L	SW846 8021B		
Toluene	ND	1.0	ug/L	SW846 8021B		
Xylenes (total)	ND	3.0	ug/L	SW846 8021B		
	PERCENT	RECOVER	Y			
SURROGATE	RECOVERY	LIMITS				
Bromofluorobenzene	96	(81 - 1	19)			
a,a,a-Trifluorotoluene (गप्तरा)	98	(59 - 1	57)	•		

NOTE(S):

GC Volatiles

Client Lot #...: I7D270189

Work Order #...: JWQ231AA

Matrix....: WATER

MB Lot-Sample #: I7E110000-203

Prep Date....: 05/10/07

Analysis Time..: 11:30

Analysis Date..: 05/10/07

Prep Batch #...: 7131203

Dilution Factor: 1

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHO	D		
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		
	PERCENT	RECOVER	Y				
SURROGATE	RECOVERY	LIMITS					
Bromofluorobenzene	95	(81 - 1	19)				
<pre>a,a,a-Trifluorotoluene (TFT)</pre>	92	(59 - 1	57)				

NOTE(S):

GC Semivolatiles

Client Lot #...: I7D270189

Work Order #...: JV01X1AA

Matrix..... WATER

MB Lot-Sample #: I7D300000-543

Prep Date....: 04/30/07

Analysis Time..: 12:07

Analysis Date..: 05/04/07

Dilution Factor: 1

Prep Batch #...: 7120543

REPORTING

PARAMETER

Diesel Range Organics

RESULT

ND

DO 0.050

METHOD

SW846 8015B

PERCENT

RECOVERY

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 76
 (48 - 153)

 Dotriacontane
 85
 (35 - 143)

NOTE(S):

GC Semivolatiles

Client Lot #...: I7D270189 Work Order #...: JV2MV1AA Matrix.....: WATER

MB Lot-Sample #: I7E010000-369

Prep Date....: 05/01/07 Analysis Time..: 17:28

Analysis Date..: 05/07/07 Prep Batch #...: 7121369 Dilution Factor: 1

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

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 83
 (48 - 153)

 Dotriacontane
 92
 (35 - 143)

NOTE(S):

General Chemistry

Client Lot #...: I7D270189

Matrix WATER

PARAMETER	RESULT	REPORTING LIMIT	G UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride		Work Order	#: JWWV21AA	MB Lot-Sample #:	I7E140000-169	
	ND	1.0	mg/L	MCAWW 300.0A	05/12/07	7134169
		Dilution Fact	or: 1			
	¥.	Analysis Time	2: 08:33			
Chloride	ND	Work Order 1.0 Dilution Fact Analysis Time	mg/L cor: 1	MB Lot-Sample #: MCAWW 300.0A	I7E150000-470 05/14/07	7135470
NOTE(S):						

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWGGL1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: I7E080000-201 JWGGL1AD-LCSD

Prep Date....: 05/07/07 Analysis Date..: 05/07/07

Prep Batch #...: 7128201 Analysis Time..: 10:49

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Gasoline Range Organics	93	(85 - 115)		SW846 8015B
	92	(85 - 115)	1.2 (0-20)	SW846 8015B
		PERCENT	RECOVERY	•
SURROGATE		RECOVERY	LIMITS	
4-Bromofluorobenzene (GRO)	•	100	(81 - 123)	
		99	(81 - 123)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWMA71AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7E100000-084 JWMA71AD-LCSD

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130084
 Analysis Time..:
 09:34

Dilution Factor: 1

PERCENT RECOVERY RPD PARAMETER RPD METHOD RECOVERY LIMITS LIMITS Gasoline Range Organics 90 (85 - 115)SW846 8015B 87 (85 - 115)4.1 (0-20)SW846 8015B

 SURROGATE
 RECOVERY
 LIMITS

 4-Bromofluorobenzene (GRO)
 106
 (81 - 123)

 104
 (81 - 123)

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWGET1AC-LCS Matrix...... WATER

LCS Lot-Sample#: I7E080000-190 JWGET1AD-LCSD

 Prep Date....:
 05/07/07
 Analysis Date..:
 05/07/07

 Prep Batch #...:
 7128190
 Analysis Time..:
 09:53

Dilution Factor: 1

· · · · · · · · · · · · · · · · · · ·				
	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Benzene	101	(78 - 114)		SW846 8021B
	101	(78 - 114)	0.14 (0-20)	SW846 8021B
Ethylbenzene	105	(87 - 114)		SW846 8021B
	105	(87 - 114)	0.16 (0-20)	SW846 8021B
Toluene	108	(87 - 115)		SW846 8021B
	108	(87 - 115)	0.040 (0-20)	SW846 8021B
Xylenes (total)	111	(86 - 119)		SW846 8021B
	111	(86 - 119)	0.44 (0-20)	SW846 8021B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzene		97	(85 - 111)	
DIOMORIAGIODENZENE	•		•	
_ 163	•	95	(85 - 111)	
a,a,a-Trifluorotoluene (TFT)		98	(88 - 110)	
		. 98	(88 - 110)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWJDV1AC-LCS Matrix..... WATER

LCS Lot-Sample#: 17E090000-065 JWJDV1AD-LCSD

 Prep Date....:
 05/08/07
 Analysis Date..:
 05/08/07

 Prep Batch #...:
 7129065
 Analysis Time..:
 15:13

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Benzene	94	(78 ~ 114)		SW846 8021B
	97	(78 - 114)	3.8 (0-20)	SW846 8021B
Ethylbenzene	98	(87 - 114)		SW846 8021B
_	98	(87 - 114)	0.55 (0-20)	SW846 8021B
Toluene	99	(87 - 115)		SW846 8021B
	101	(87 - 115)	1.9 (0-20)	SW846 8021B
Xylenes (total)	106	(86 - 119)		SW846 8021B
	105	(86 - 119)	1.6 (0-20)	SW846 8021B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzene		100	(85 - 111)	
•		97	(85 - 111)	
a,a,a-Trifluorotoluene (TFT)		94	(88 - 110)	
		97	(88 - 110)	•

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWMHA1AC-LCS Matrix..... WATER

LCS Lot-Sample#: 17E100000-139 JWMHA1AD-LCSD

 Prep Date.....:
 05/09/07
 Analysis Date...:
 05/09/07

 Prep Batch #...:
 7130139
 Analysis Time...:
 08:41

Dilution Factor: 1

	PERCENT	RECOVERY	RPI)		
PARAMETER	RECOVERY	LIMITS	RPD LIN	MITS	METHOL)
Benzene	98	(78 - 114)			SW846	8021B
	99	(78 - 114)	1.0 (0-	-20)	SW846	8021B
Ethylbenzene	98	(87 - 114)			SW846	8021B
	96	(87 - 114)	1.4 (0-	-20}	SW846	8021B
Toluene	101	(87 - 115)			SW846	8021B
	101	(87 - 115)	0.16 (0-	-20)	SW846	8021B
Xylenes (total)	103	(86 - 119)			SW846	8021B
	102	(86 - 119)	1.2 (0	-20)	SW846	8021B
		PERCENT	RECOVERY			
SURROGATE		RECOVERY	LIMITS			
Bromofluorobenzene		95	(85 - 11:	1)		
		96	(85 - 11	1)		
<pre>a,a,a-Trifluorotoluene (TFT)</pre>		. 98	(88 - 110	0)		
		99	(88 - 110	0)		

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWQ231AC-LCS Matrix.....: WATER

LCS Lot-Sample#: I7E110000-203 JWQ231AD-LCSD

 Prep Date....:
 05/10/07
 Analysis Date..:
 05/10/07

 Prep Batch #...:
 7131203
 Analysis Time..:
 11:57

Dilution Factor: 1

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
Benzene	92	(78 - 114)			SW846 8021B
	90	(78 - 114)	2.5	(0-20)	SW846 8021B
Ethylbenzene	94	(87 - 114)			SW846 8021B
	92	(87 - 114)	2,1	(0-20)	SW846 8021B
Toluene	97	(87 - 115)			SW846 8021B
	95	(87 - 115)	3.1	(0-20)	SW846 8021B
Xylenes (total)	100	(86 - 119)			SW846 8021B
	99	(86 - 119)	1.6	(0-20)	SW846 8021B
		PERCENT	RECOVE	ERY	
SURROGATE		RECOVERY	LIMITS	3	
Bromofluorobenzene		95	(85 -	111)	
		97	(85 -	111)	
a,a,a~Trifluorotoluene (TFT)		98	(88 -	110)	
		96	(88 -	110)	

NOTE(S):

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

GC Semivolatiles

Client Lot #...: 17D270189 Work Order #...: JV01X1AC Matrix.....: WATER

LCS Lot-Sample#: I7D300000-543

 Prep Date.....:
 04/30/07
 Analysis Date...:
 05/04/07

 Prep Batch #...:
 7120543
 Analysis Time...:
 12:40

Dilution Factor: 1

PERCENT RECOVERY

PARAMETER RECOVERY LIMITS METHOD

Diesel Range Organics 75 (28 - 121) SW846 8015B

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 111
 (48 - 153)

 Dotriacontane
 84
 (35 - 143)

NOTE(S):

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

GC Semivolatiles

Client Lot #...: I7D270189 Work Order #...: JV2MV1AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7E010000-369 JV2MV1AD-LCSD

 Prep Date....:
 05/01/07
 Analysis Date..:
 05/07/07

 Prep Batch #...:
 7121369
 Analysis Time..:
 18:02

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS		RPD LIMITS	METHOI)
Diesel Range Organics	75	(28 - 121)			SW846	8.015B
	76	(28 - 121)	1.4	(0-20)	SW846	8015B
SURROGATE o-Terphenyl		PERCENT RECOVERY 112	RECOVE			
Dotriacontane		114 86 88	(48 - (35 - (35 -	153) 143)		

NOTE(S):

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

General Chemistry

Client Lot #...: I7D270189

Matrix....: WATER

PARAMETER Chloride	PERCENT	RECOVERY LIMITS METHOD Work Order #: JWWV21AC LCS Lot	_	
	90	(90 - 110) MCAWW 300.0A Dilution Factor: 1 Analysis Tir	05/12/07 me: 08:48	7134169
Chloride	92	Work Order #: JW10G1AC LCS Lot (90 - 110) MCAWW 300.0A Dilution Factor: 1 Analysis Time	05/14/07	-470 7135470

NOTE(S):

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JVL7D1A5-MS Matrix....: WATER

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

Prep Date....: 05/07/07 Analysis Date..: 05/07/07

Prep Batch #...: 7128201 Analysis Time..: 18:15

Dilution Factor: 25

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOI	D
Gasoline Range Organics	83	(79 - 124)			SW846	8015B
	99	(79 - 124)	13	(0-20)	SW846	8015B
		PERCENT		RECOVERY		
SURROGATE	_	RECOVERY		LIMITS	_	
4-Bromofluorobenzene (GRO)	100		(75 - 122)	
		101		(75 - 122)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JVR2A1AF-MS Matrix..... WATER

MS Lot-Sample #: I7D270189-008 JVR2A1AG-MSD

Date Sampled...: 04/25/07 10:20 Date Received..: 04/27/07 08:30

Prep Date....: 05/09/07 Analysis Date..: 05/09/07 Prep Batch #...: 7130084 Analysis Time..: 11:50

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO	D
Gasoline Range Organics	87	(79 - 124)			SW846	8015B
	80	(79 - 124)	7.6	(0-20)	SW846	8015B
	•	PERCENT	•	RECOVERY		
SURROGATE	_	RECOVERY		LIMITS		
4-Bromofluorobenzene (GR	0	106		(75 - 12	2)	
		102		(75 - 12	21	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JVL681A5-MS Matrix.....: WATER

MS Lot-Sample #: I7D250161-008

JVL681A6-MSD

Date Sampled...: 04/24/07 12:00 Date Received..: 04/25/07 08:30

Prep Date....: 05/07/07

Analysis Date..: 05/07/07

Prep Batch #...: 7128190

Analysis Time..: 17:19

Dilution Factor: 25

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOI)
Benzene	74 a	(78 - 114)			SW846	8021B
	25 a	(78 - 114)	8.8	(0-20)	SW846	8021B
Ethylbenzene	124 a	(87 - 117)	•		SW846	8021B
	61 a,p	(87 - 117)	36	(0-20)	SW846	8021B
Toluene	108	(87 - 115)			SW846	8021B
•	68 a,p	(87 - 115)	40	(0-20)	SW846	8021B
Xylenes (total)	119	(86 - 119)			SW846	8021B
	74 a,p	(86 - 119)	33	(0-20)	SW846	8021B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS	<u>-</u> _	
Bromofluorobenzene		95		(81 - 119	0)	•
		97		(81 - 119))	
a,a,a-Trifluorotoluene (TFT)		104		(59 - 157	")	
		102		(59 - 157	7)	

NOTE(S):

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

- a Spiked analyte recovery is outside stated control limits.
- p Relative percent difference (RPD) is outside stated control limits.

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JVR0T1AF-MS Matrix...... WATER

MS Lot-Sample #: I7D270189-002 JVROT1AG-MSD

Date Sampled...: 04/25/07 07:28 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/08/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7129065
 Analysis Time..:
 01:02

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		_
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	MET'HOI	D
Benzene	103	(78 - 114)			SW846	8021B
	99	(78 - 114)	4.3	(0-20)	SW846	8021B
Ethylbenzene	98	(87 - 117)			SW846	8021B
	98	(87 - 117)	0.26	(0-20)	SW846	8021B
Toluene	104	(87 - 115)			SW846	8021B
	104	(87 - 115)	0.49	(0-20)	SW846	8021B
Xylenes (total)	104	(86 - 119)			SW846	8021B
	103	(86 - 119)	0.73	(0-20)	SW846	8021B
	•	PERCENT		RECOVERY		•
SURROGATE		RECOVERY		LIMITS	_	
Bromofluorobenzene		98		(81 - 119)	•
		98		(81 - 119))	
<pre>a,a,a-Trifluorotoluene (TFT)</pre>		99		(59 - 157	7)	
		94		(59 - 157	7)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JVR2D1AF-MS Matrix.....: WATER

MS Lot-Sample #: I7D270189-009

JVR2D1AG-MSD

Date Sampled...: 04/25/07 10:34 Date Received..: 04/27/07 08:30

 Prep Date....:
 05/09/07
 Analysis Date..:
 05/09/07

 Prep Batch #...:
 7130139
 Analysis Time..:
 11:57

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO	D
Benzene	98	(78 - 114)	-		SW846	8021B
	103	(78 - 114)	4.9	(0-20)	SW846	8021B
Ethylbenzene	95	(87 - 117)			SW846	8021B
	98	(87 - 117)	3.5	(0-20)	SW846	8021B
Toluene	103	(87 - 115)			SW846	8021B
	106	(87 - 115)	3.2	(0-20)	SW846	8021B
Xylenes (total)	100	(86 - 119)			SW846	8021B
	103	(86 - 119)	3.4	(0-20)	SW846	8021B
	-	PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
Bromofluorobenzene		96		(81 - 119)	
		96		(81 - 119)	
a,a,a-Trifluorotoluene (TFT)		99		(59 - 157	')	
		102		(59 - 157	7)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7D270189 Work Order #...: JWKJK1AD-MS Matrix....: WATER

MS Lot-Sample #: I7E090224-001

JWKJK1AE-MSD

Date Sampled...: 05/08/07 08:00 Date Received..: 05/09/07 09:50

Prep Date....: 05/10/07

Analysis Date..: 05/10/07

Prep Batch #...: 7131203

Analysis Time..: 21:15

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO)
Benzene	95	(78 - 114)			SW846	8021B
	92	(78 - 114)	3.6	(0-20)	SW846	8021B
Ethylbenzene	98	(87 - 117)			SW846	8021B
	94	(87 - 117)	4.8	(0-20)	SW846	8021B
Toluene	102	(87 - 115)			SW846	8021B
	99	(87 ~ 115)	3.1	(0-20)	SW846	8021B
Xylenes (total)	106	(86 - 119)	•		SW846	8021B
	100	(86 - 119)	5.8	(0-20)	SW846	8021B
	•	PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
Bromofluorobenzene		102		(81 - 119	-	
		99		(81 - 119)	
a,a,a-Trifluorotoluene		96		(59 - 157	')	
(TFT)						
		97		(59 - 157)	')	

NOTE(S):

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

GC Semivolatiles

Client Lot #...: I7D270189 Work Order #...: JVK7K1A7-MS Matrix..... WATER

Date Sampled...: 04/24/07 07:12 Date Received..: 04/25/07 08:30

 Prep Date....:
 04/30/07
 Analysis Date..:
 05/04/07

 Prep Batch #...:
 7120543
 Analysis Time..:
 13:46

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOI)
Diesel Range Organics	68 74	(28 - 121) (28 - 121)	4.4	(0-20)		8015B 8015B
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS		• .
o-Terphenyl		114		(48 - 153 (48 - 153	•	
Dotriacontane		101 100		(35 - 143 (35 - 143	3)	•

NOTE(S):

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

General Chemistry

Client Lot #...: I7D270189 Matrix.....: WATER

Date Sampled...: 04/27/07 10:45 Date Received..: 04/28/07 09:15

	PERCENT	RECOVERY	RPD		PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD	ANALYSIS DATE	BATCH #
Chloride		WO#:	JVR0T1AH-MS/	JVR0T1AJ-MSD N	MS Lot-Sample #: I	7D270189-002
	94	(90 - 110)	•	MCAWW 300.0A	05/12/07	7134169
	95	(90 - 110)	0.24 (0-20)	MCAWW 300.0A	05/12/07	7134169
	-	Dilut	ion Factor: 1	•		
		Analy	sis Time: 09:3	3		
Chloride		WO#:	JVWRH1AE-MS/	JVWRH1AF-MSD N	MS Lot-Sample #: I	7D280163-001
	NC	(90 - 110)		MCAWW 300.0A	05/14/07	7135470
	NC	(90 - 110)	(0-20)	MCAWW 300.0A	05/14/07	7135470
		Dilut	ion Factor: 1	•		
		Analy	sis Time: 08:5	7		

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

Report Attachment

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

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

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.

EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.

EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.

Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.

EPA TO-12: Samples not analyzed in duplicate.

EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

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

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

The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

130/136 Page 1 of 2 CHAIN-OF-CUSTODY ADDENDUM RECEIVED BY: COC NUMBER: DATE/TIME RECEIVED: 4-27-07 UNPACKED DATE/TIME: 4-2-07 CLIENT/PROJECT: 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: □XES □NO TYES TNO Custody Seal Signed/Dated: Container Sealed: TYES | NO Custody Seal Present: If seal not intact list air bill number of that container(s): 2.0 VOC CANISTERS EXAMINED UPON RECEIPT: Canister Valves Closed: YES NO Samples Received Match Chain: YES NO Canister Valves Capped: **□YES** NO Other Equipment Received: Valve Cap Tightened Properly: ☐ YES See Additional Comments (Section 5.0 and / or 7.0) YES Packing Material Used: (circle) Chain-of-Custody form properly maintained: ☐ YES na / Absorbent / Paper / Rubble Wran

None / Absorbent / Paper / Bubble Wrap	Can	Size:6L	<u> </u>	Other	
3.0 SAMPLE TEMPERATURE UPON R	ECEIPT BY:	(C)	IR TH	ERMOMETE	R#: 65
Temperature of the container(s):					
Circle selection: TB = Temp_Blank and/or S	SC = Sample Contains	iner		[acceptable to	olerance $4^{\circ}C \pm 2^{\circ}J$
TB) TB) TB	LB	TB TB	LB	TB	TB
SC 3.62 SC 2.32 SC 2.22 82 22		SC 1,90 200	sc sc	sc	SC
If temperature is outside acceptable tolerance	e, Project Manager	was notified (_PM). D	oate:	Time:
Samples received do not require cooling		OK to analyze	samples:	FYES N	O
PRESERVATION OF SAMPLES REQUINOTE: pH CHECK OF VOLATILE SAM					
Base samples are>pH 12: YES N	O Acid	preserved are <ph 2<="" td=""><td>:</td><td>☐YES ☐N</td><td>O</td></ph>	:	☐YES ☐N	O
Cyanide samples checked	Sulf	ide samples appear			
for sulfides: YES	to be	e preserved with zinc	acetate:	YES N	O
Samples checked for chlorine per specification (N.C.) YES	Free	chlorine present:		□YES □N	íO
If sample preservation is outside acceptable		•	(
Date: Time:		pH adjustment form		1 141/.	
		· · ·			•
VOLATILE SAMPLES FILLED COMPI BUBBLES EXCEEDING 6MM IN DIAM		, LIST ID AND HE	ADSPACI	E OF VOA's C	ONTAINING
Sample ID mr	n Headspace	Sample ID		m	m Headspace
		·			
		<u> </u>			
	•				70 104/04/07
					Revised 04/04/07

SIL

CHAIN-OF-CUSTODY ADDENDUM

4.0 CONDITION OF BOTTLES/CO	NTAINERS	VERIFIE	D BY:	6		
Samples received match COC: See additional discrepancies/comments Chain-of-Custody form properly maint		☐ NO Samples r		n USDA restri	Comments Time:	
5.0 ADDITIONAL DISCREPANCE	ES					
Appears on COC		Appears	on Label			
Sample ID	Date/Time	Sample ID		Date/Time	Comments	S
						
						<u>.</u>
Hand-delivered Carrier:				,		
Samples MW-5 + Only Received	MW27 2X40ml	only Reco	ejved un K	1 × 1 ≥	2 not 2	X/C
CORRECTIVE ACTION:						
Client's Name: Client's Name: Sample(s) processed "as is" comments	Informe	ed verbally on:ed verbally on:		By: _		
	•				· · · · · · · · · · · · · · · · · · ·	
Samples(s) on hold until:						

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

\$8012148-001

74106

Severn Trent Laboratories, Inc. TRENT STL

1.1.4.149 (1.202)					-					ı
Client		Project Manager			<u>a</u>	Date			V,	
tra Tech. Inc.		Gred Pope			0	04/16/2007	Page	- of -		ı
		Telephone Number (Area Code)/Fax Number	r (Area Code)/F	ax Number	67	Lab Location		Analysis		
103 W Industrial Ave	1	86	-8081 / (000)		S	STL Austin	-			1
	e Zip Code	Site Contact					E			
dland	79701	Greg Pope		.			p.,			
Project Number/Name		Carrier/Waybill Nur		5	127	')	= 1			
173 E Hobbs Jct Remediation		Feat	LX OB	0012 160			8 4			
NTRACT / PURCHASE ORDER # : R/4	R/450TBD/1/0000101	/1/000010130037-00038/				OUOTE: 55401				
Sample I.D. Number and Description	Date Time	Sample Type	Volume	Containers	No. Preservative	Condition on Receipt/Comments	ents I, 0			
1677/04	4 75 67 7:11	WATER	1	†	3 None	37 4-77-076	X			ŧ 1
				VIAL	\vdash	3EK 400	XX			- 1
>	>	KATER		PLASTIC	1 None		X			ı
MW-14	7:28	-	11	AMBER	2 None		b-d			4
		WATER	40mL	VIAL	4 1:1 HCL		X X			1
>	->	WATER	250mL E	PLASTIC	1 None		X			ı
WW-20	hh: L	WATER	11.	AMBER	2 None		X			ı
		WATER	40mL	VIAL	4 1:1 HCL		XX			- 1
>	→	WATER	250nl	PLASTIC	1 None		×			1
L1-MW	00.8	WATER	11.	ANBER	2 None		X			
		WATER	40ml.	VIAI,	4 1:1 HCL		X X			ı
}	→	WATER	2.50ml, F	PLASTÍC	1 None		X		+	t
MW-35	8.20	WATER	11	AMBER	2 None					1
		WATER	40ml,	VIAI.	4 1:1 HCI,		XX			1
>	>	WATER	250ml, 1	PLASTIC	1 None		200			ı
Special Instructions TPH-GR0 &	DRO, 8021 BTEX,	chloride	SA	SAMPLER TO A	ADD TRIP BLKS	TO COC AS NEEDED				ı
Possible Hazard Identification			Sample Disposal	la!			(A fee may be	(A fee may be assessed if samples are	noles are	ı
ammable	Skin Irritant Poison B	3 Unknown	Return To Client	Client	Disposal By Lab	hive For	Months retained long	retained longer than 3 months)	, (8	1
d Time Required		la L		Project Spe	Project Specific Requirements (Specify)	Specify)				
		1	Time	1. Received By	JA / Ya		Date		ج (13
		1/26/01	10,00	20	1		7.4	707	9	2/
2. Relinqúished By		Date	Time	2. Received By	By		Care			136
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CHAIN OF CUSTODY NUMBER \$8012148-002





Severn Trent Laboratories, Inc.

STL4149 (1202)								
Client		Project Manager			Date			V
Tetra Tech, Inc.		Greg Pope			94	04/16/2007	Page 1	of
I .		Telephone Numbe	Telephone Number (Area Code)/Fax Number	Number	Tab	Lab Location	Ana	Analveis
1703 W Industrial Ave		-986	8081 / (000)		STI	STL Austin		Jeio
S	ŽŻ	Site Contact						
Midland	79701	Greg Pope					<u>е.</u>	
Project Number/Name		Q	mber 01,12	רי ור י		774	= 1	
33/3 K Hobbs Jct Remediation Contract/Purchase Order/Quote Number		166 EX					7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
	R/450TBD/1/000010130037-00038/	30037-00038/				000018: 55401	- 1	
		Ome Contract	Containers	ners	Drogonofico	Condition on Bossint/Commonts		
Sample I.D. Number and Description		Salliple Lype	Volume	Туре Мо.	rieselvalive	Condition on receipt Comm	17	
HR-MU.	4 25 07 8.40	WATER	1L AM	AMBER 2	None	3.72 4-27-67	K X	
		WATER		VIAL 4	1:1 HCL		ХХ	
→	>	WATER	250ml PL	PLASTIC 1	None		X	
51-MW.	4:00	WATER	1L AN	AMBER 2	None		Х	
		WATER	40nL VI	VIAL 4	1:1 HCL		X X	
9	→ 	WATER	250mL PL	PLASTIC 1	None		X	
H-MW	の;0l	WATER	1L AH	AMBER 2	None		У.	
		WATER	40nL VI	VIAL 4	1:1 HCL		ν ν	
<i>^</i> ∂	→	WATER	250mL PL	PLASTIC 1	None		X	
. mm-5	10:34	WATER	1L AM	AMBER 2	None		Х	
		WATER		VIAL 4	1:1 HCL		ХХ	
>	>	WATER	250mL PL	PLASTIC 1	None		X	
26-WW	10:51	WATER	11. AN	ANBER 2	None		b<	
		WATER	40mL VI	VIAL 4	1:1 HCL		X X	
>	> >	WATER	250mL PL	PLASTIC 1	None		X	
Special Instructions TPH-GRO & D	DRO, 8021 BTEX, chl	chloride	SAMPLER	TO ADD	TRIP BLKS TO	COC AS NEEDED		
Possible Hazard Identification			Sample Disposal				(A fee may be assess	ed if samples are
lammable	Skin Irritant Poison B		Return To Client	ient 🗌 Dis	Disposal By Lab	hive For	Months retained longer than 3 months)	3 months)
	her	OC Lavel		Project Specific	, s	pecify)		
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2. Relingulshed By		Date	Time	2. Received By			Date	/136
3. Relinquished By		Date	Time	3. Received By			Date	Time
Comments								

CHAIN OF CUSTODY NUMBER

\$6012148-003

SEVERN STL®

74108 Severn Trent Laboratories, Inc.

STL4149 (1202)									
Client	١.	Project Manager			Date	· ·			ر الم
Tetra Tech, Inc.	-	Greq Pope			0 4	04/16/2007	Page.	3 of =	
Address		Telephone Number (Area Code)/Fax Number	. (Area Code)/Fa	x Number	[Pa	Lab Location		Analysis	
W Industrial Ave	Ī	- 989	8081 / (000		S	STL Austin	-	F	
City State	Zip Code 19101	Cre Contact					- C		
l umber/Name	10171	Carrier/Waybill Number	١.		i i		三		
3373 B Hobbs Jct Remediation		Fed Ex	x 8613		1601 131	}	52 -		
er.						011090 . 66401	7		
CONTRACT / PURCHASE ORDER # : K/45	K/450TBU/1/00001013003/-00038/	18631-866381					7		
Sample I.D. Number and Description	Date Time	Sample Type	Volume Typ	0	No. Preservative	Condition on Receipt/Comments	nents R		
L.CMW	475 07 12:20	WATER		ANBER	2 None	8,76 427-01	7 C		
1		WATER	40ml V	VIAL	4 1:1 HCL		XX		
3	A	WATER	250nL P	PLASTIC	1 None		X		
WW.23	55:31	WATER	11. A	ANBER	2 None		Х		
		WATER	40ml V	VIAL	4 1:1 HCL		XX		
7	4	WATER	250nL P	PLASTIC	1 None		X		
MW-22	12:53	WATER	11.	AMBER	2 None		i-c		
		WATER	40ml V	VIAL	4 1:1 HCL		X X		
0	÷	WATER	250mL P	PLASTIC	1 None		×		
MW-13	13:10	WATER	11, A	ANRRR	2 None		-		
		WATER	40mL V	VIAI.	4 1:1 HCL		X X		
→	→	WATER	250ml, P	PLASTIC	1 None		×		
MW-19	13:28	WATER	11	AMBRR	2 None		D		
		WATER	40mL V	VIAL	4 1:1-HCL		X X		
→	>	KATER	250mL P	PLASTIC	1 None		>-:		
Special Instructions TPH-GRO & D	DRO, 8021 BTEX, chloride	oride	SAK	SAMPLER TO A	ADD TRIP BLKS T	TO COC AS NEEDED			
Identification		2000	Sample Disposal	÷	Oisposal By Lah	Archive For	Months retained	(A fee may be assessed if samples are retained longer than 3 months)	les are
Time Around Time Remited	Skin initiani	QC Lavel		, Project Spe	Project Specific Regulpements (Specify)				
North North I Rush Other	her	01.	□ <i>III.</i>		/		:	- !	
hed By			Time 7.1	1. Received By	1/8x	1	7	Date	
		7,0/0%	(0,00	7	1 Bu			どりと	2
2. Relinquished By		Dale	Time	2. Received By	д Ву]	Date Time	/136
3. Relinquished By		Date	Time	3. Received By	д Ву		7	Date Time	υ
Comments								•	



CHAIN OF CUSTODY NUMBER

\$8012148-004





Severn Trent Laboratories, Inc.

STL4149 (1202)									
Client		Project Manager			Date			Ŋ	
metra mech. Inc.		Greg Pope	Greg Pope		04/	04/16/2007	Page 4	- of	
		Telephone Numbe	er (Area Code)/Fax I	Vumber	rap r	Lab Location	×	. Justice	
1703 W Industrial Ave		(432) 686-8081	8081 / (000)		STI	STL Austin	ξ.	Alidiyələ	
City State	ite Zip Code	Site Contact					E-1		
Widland TX	X 79701	Gred Pope					о. о.		
Project Number/Name		Carrier/Waybill Number	١.	,	77				
3373 K Hobbs Jct Remediation		ted tox		8013 7601 1317	1517		υs >-		
Contract/Purchase Order/Quote Number			1)			2		
CONTRACT / PURCHASE ORDER # : R/	R/450TBD/1/00001	/1/000010130037-00038/			0	QUOTE: 55401	7		
			Containers		Presentative	Condition on Receipt/Comments	R R		
Sample I.D. Number and Description	Date Time	sample Type	Volume	Type No.	reservative	Contained on receipt Continue	-3		
1:000	475/07	PATER .	11 AHBER	2	None	-	X		
	X	WATER	40ml VIAL	þ	1:1 HCL		XX		
7	7	WATER	250nl PLA	PLASTIC 1 N	None		×		
H1-/WW	84:1 CO 012/12	-	1L ANBER	2	None		×		
		WATER	40mL VIAL	þ	1:1 HCL		XX		
7	>	WATER	250ml PLA	PLASTIC 1 N	None		X		
X1-1/VIM	20:05	7 WATER	11 ANBER	2	None		X		
		KATER	40ml VIAL	4	1;1 HCL		X X		
2	>	WATER		TIC 1	None	· · · · · · · · · · · · · · · · · · ·	X		
81-MIM	4:22		1L AMBER	2	None		Х		
		WATER	40mL VIAL	4	1:1 HCL		XXX		
7	7	WATER	250ml PLA	PLASTIC 1 N	None		×		
SVE-IV	Eti:8	3 WATER	11 ANBER	2	None		D<		
		WATER	40nl VIAL	L 4 1	1:1 HCL		XXX		
70	7	WATER	250mL PL	PLASTIC, 1 N	None		X		
Special Instructions TPH-GRO &	& DRO, 8021 BTEX, c	chloride	SAMPLER	TO ADD	TRIP BLKS TO	COC AS NEEDED			
Possible Hazard Identification			Sample Disposal					(A fee may be assessed if samples are	
lammable	Skin Irritant Poison B		Return To Client	i de ci ci	Disposal By Lab	Archive For Months		3 months)	1
l Time Required		UC Lave!			מלחו בווויבווים ולה				
			Time	1. Received By	Z		Date	07	
		70/08/16	/0:00	1200			777.1	1	m/
2. Rèdhquished By		Cate (Time	2. Received By				136	400.
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Comments									
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Chain of Custody Record

CHAIN OF CUSTODY NUMBER

\$6012148-005

SEVERN STL

Severn Trent Laboratories, Inc.

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STL4149 (1202)				
Client	Project Manager	Date		V
Tetra Tech, Inc.	Gred Pope	04/16/2007	Page 5	of
ı	Telephone Number (Area Code)/Fax Number	Fax Number Lab Location	· ·	and train
Ī	(432) 686-8081 / (000)	90) STL Austin		Alialysis
State Zit	Site Contact			
Nidland 79701	Greg Pope		<u>م</u>	
Project Number/Name	ybili Numbe	TLEI LUIL 21.18	Ξ.	
55/3 5 HODDS JCL KEMEGIALION Contract/Purchase Order/Quote Number	TCM ICX ODIO		2 - 2	
R / 450 TBD.	11/000010130037-00038/	00018; 5	55401 1 L D L	
Sample 1.0 Number and Description		Preservative	Condition on Receipt/Comments	
1,5	Volume	No.	-1	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MATEN ID	None 2.2	7-7-12-1	
	WALLEY JEONED JEONED	WIF 1 NOR		
D. 0 - 2	11	2	X	
	40mL	4	X X	
7	250mL	PLASTIC 1 None	X	
*		AKDRR	X	
Trip Blank	WATER 40ml,	4	XX	
	WATER 250ml	PLASTIC 1 None	Λ.	
	/ * * * * * * * * * * * * * * * * * * *	AMKRR 7 None	Y.	
	WATER 40m.	VTA1. 4 4.61.	XX	
	WAPER 250ml,	PLASTIC 1 NONP	X	
	 	AMBER 2 - None	Å.	
	WATER ABIL	VIBI 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	y y	
	MATER 350ml	PLASTIC 1 None	λ	
Special instructions TPH-GRO & DRO, 8021 BTEX,	chloride	SAMPLER TO ADD TRIP BLKS TO COC AS	NKEDED	
Possible Hazard Identification	Sample Disposal		/A fee may be asses	ssed if samples are
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ F	☐ Poison B ☐ Unknown ☐ Return To Client	Client Disposal By Lab Archive For	For Months relained longer than 3 months)	n 3 months)
d Time Required	3ve/	oject \$		
Wormal Laush Lather				
1. Religious By	Date	1. Received By	Dalle Ar. I Tra	100 100 100 100 100 100 100 100 100 100
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3. Relinquished By	Date	3. Received By	Date	Time
Comments				

STL Leaders in Environmental Testing

Certificate of Analysis

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ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 3Q07

03373 E Hobbs Jct Remediation

Lot #: I7G260169

Greg Pope

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

TESTAMERICA LABORATORIES, INC. (FKA STL)

Carla M. Butler

Project Manager

August 13, 2007

American Council of Independent Laboratories International Association of Environmental Testing Laboratories

Case Narrative

LOT NUMBER: 17G260169

This report contains the analytical results for the 23 samples received under chain of custody by TestAmerica Laboratories Inc. on July 26, 2007. These samples are associated with your 03373 E Hobbs Jct Remediation project.

All samples were received in good condition and within temperature requirements. Only two liters were received for MW-4, not three as listed on the chain of custody. One liter was received broken for MW-12, -17, and -25.

Containers labeled MW-21, -16, -20, -17, -25, -24, -15, and DUP were received, but not listed on the chain of custody. After notification, Mr. Charlie Durrett emailed a chain of custody for these samples.

The GRO and BTEX for sample 017 were run at a 10X dilution within hold time but were under calibration. The GRO for sample 019 was run at a 25X dilution within the hold time with the results also under calibration. These analyses were rerun at a 1X dilution one day past the recommended hold time. All runs were non-detect.

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) 310-5318.

I7G260169

		REPORTIN	c	ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD
MW-4 07/25/07 07:40 001				
Diesel Range Organics	0.26	0.050	mg/L	SW846 8015B
Chloride	51.6	20.0	mg/L	MCAWW 300.0A
MW-5 07/25/07 07:50 002				
Diesel Range Organics	0.34	0.050	mg/L	SW846 8015B
Chloride	44.8	20.0	mg/L	MCAWW 300.0A
	·		•	
MW-26 07/25/07 08:20 003		•		
Diesel Range Organics	0.89	0.050	mg/L	SW846 8015B
Chloride	83.7	20.0	mg/L	MCAWW 300.0A
MW-27 07/25/07 08:40 004	,			
· · · · · · · · · · · · · · · · · · ·				•
Diesel Range Organics	0.94	0.050	mg/L	SW846 8015B
Benzene	1.8	1.0	ug/L	SW846 8021B
Chloride	130	20.0	mg/L	MCAWW 300.0A
MW-23 07/25/07 08:50 005	•			
Diesel Range Organics	0.098	0.050	mg/L	SW846 8015B
Chloride	63.7	20.0	mg/L	MCAWW 300.0A
MW-18 07/25/07 10:10 006				
Diesel Range Organics	0.42	0.050	mg/L	SW846 8015B
Gasoline Range Organics	9.6	2.0	mg/L	SW846 8015B
Benzene	2700	20	ug/L	SW846 8021B
Ethylbenzene	96 [.]	20	ug/L	SW846 8021B
Xylenes (total)	87	60	ug/L	SW846 8021B
Chloride	196	50.0	mg/L	MCAWW 300.0A
MW-12 07/25/07 10:25 007				
Diesel Range Organics	0.86	0.050	mg/L	SW846 8015B
Gasoline Range Organics	14	2.5	mg/L	SW846 8015B
Benzene	3000	25	ug/L	SW846 8021B
Ethylbenzene	110	25	ug/L	SW846 8021B
Xylenes (total)	140	75	ug/L	SW846 8021B
Chloride	177	50.0	mg/L	MCAWW 300.0A
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17G260169

	PARAMETER	RESULT	REPORTIN LIMIT	IG UNITS	ANALYTICAL METHOD
MW-14	07/25/07 10:00 008				
	Diesel Range Organics Gasoline Range Organics Chloride	0.20 0.10 188	0.050 0.10 50.0	mg/L mg/L mg/L	SW846 8015B SW846 8015B MCAWW 300.0A
SVE-1	0 07/25/07 11:10 009				
	Diesel Range Organics Gasoline Range Organics Benzene Ethylbenzene Chloride	0.42 0.52 2.6 8.3 247	0.050 0.10 1.0 1.0 50.0	mg/L mg/L ug/L ug/L mg/L	SW846 8015B SW846 8015B SW846 8021B SW846 8021B MCAWW 300.0A
MW-6	07/25/07 11:30 010				·
	Diesel Range Organics Gasoline Range Organics Benzene Ethylbenzene Toluene Xylenes (total) Chloride	4.6 6.6 690 170 360 250	1.0 1.0 10 10 10 30	mg/L mg/L ug/L ug/L ug/L mg/L	SW846 8015B SW846 8015B SW846 8021B SW846 8021B SW846 8021B SW846 8021B MCAWW 300.0A
MW-22	2 07/25/07 09:05 011				
	Diesel Range Organics Chloride	0.13 83.4	0.050	mg/L	SW846 8015B MCAWW 300.0A
MW-13	07/25/07 09:30 012				
	Diesel Range Organics Chloride	0.096 71.2	0.050	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW-19	0 07/25/07 09:40 013				
	Chloride	97.7	20.0	mg/L	MCAWW 300.0A
DUPL	CATE 07/25/07 014				
	Diesel Range Organics Gasoline Range Organics Benzene Ethylbenzene Toluene	1.7 15 3500 210 3.8	0.050 1.0 20 1.0	mg/L mg/L ug/L ug/L ug/L	SW846 8015B SW846 8015B SW846 8021B SW846 8021B SW846 8021B

I7G260169

		REPORTIN	·G	ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD
DUPLICATE 07/25/07 014				
Xylenes (total)	220	3.0	ug/L	SW846 8021B
Chloride	192	20.0	mg/L	MCAWW 300.0A
MW-15 07/24/07 16:50 015				
Diesel Range Organics	3.3	0.050	mg/L	SW846 8015B
Gasoline Range Organics	0.22	0.10	mg/L .	SW846 8015B
Benzene	4.7	1.0	ug/L	SW846 8021B
Ethylbenzene	4.5	1.0	\mathtt{ug}/\mathtt{L}	SW846 8021B
Chloride	251	50.0	mg/L	MCAWW 300.0A
MW-16 07/24/07 15:15 016			,	
Diesel Range Organics	0.12	0.050	mg/L	SW846 8015B
Chloride	168	50.0	mg/L	MCAWW 300.0A
MW-17 07/24/07 15:50 017				·
Diesel Range Organics	0.082	0.050	mg/L	SW846 8015B
Chloride	266	50.0	mg/L	MCAWW 300.0A
MW-20 07/24/07 15:35 018			/	
Chloride	44.5	20.0	mg/L	MCAWW 300.0A
MW-21 07/24/07 15:00 019				•
Chloride	1010	100	mg/L	MCAWW 300.0A
MW-24 07/24/07 16:30 020				
Diesel Range Organics	0.26	0.050	mg/L	SW846 8015B
Gasoline Range Organics	8.0	2.5	mg/L	SW846 8015B
Benzene	5.7	1.0	ug/L	SW846 8021B
Ethylbenzene	17	1.0	ug/L	SW846 8021B
Toluene	1.5	1.0	ug/L	SW846 8021B
Xylenes (total)	3.4	3.0	ug/L	SW846 8021B
Chloride	174	50.0	mg/L	MCAWW 300.0A
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I7G260169

	PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-25	07/24/07 16:10 021				
	Diesel Range Organics Chloride	0.36 274	0.050 50.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
DUP 07	/24/07 022				
. 4	Diesel Range Organics Gasoline Range Organics Benzene Ethylbenzene Toluene Xylenes (total) Chloride	0.21 0.34 5.1 15 1.3 3.1	0.050 0.10 1.0 1.0 3.0 50.0	mg/L mg/L ug/L ug/L ug/L mg/L	SW846 8015B SW846 8015B SW846 8021B SW846 8021B SW846 8021B SW846 8021B MCAWW 300.0A

PREPARATION METHODS SUMMARY

I7G260169

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

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",

EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical

Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I7G260169

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

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

I7G260169

			SAMPLED	SAMP
WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
J3LF4	001	MW-4	07/25/07	07:40
J3LF9	002	MW-5	07/25/07	07:50
J3LGD	003	MW-26	07/25/07	08:20
J3LGE	004	MW-27	07/25/07	08:40
J3LGF	005	MW-23	07/25/07	08:50
J3LGM	006	MW-18	07/25/07	10:10
J3LGN	007	MW-12	07/25/07	10:25
J3LGR	800	MW-14	07/25/07	10:00
J3LGX	009	SVE-10	07/25/07	11:10
J3LG1	010	MW-6	07/25/07	11:30
J3LG2	011	MW-22	07/25/07	09:05
J3LG4	012	MW-13	07/25/07	09:30
J3LG5	013	MW-19	07/25/07	09:40
J3LG6	014	DUPLICATE	07/25/07	
J3LHA	015	MW-15	07/24/07	16:50
J3LHD	016	MW-16	07/24/07	15:15
J3LHE	017	MW-17	07/24/07	15:50
J3LHG	018	MW-20	07/24/07	15:35
J3LHJ	019	MW-21	07/24/07	15:00
BLHK	020	MW-24	07/24/07	16:30
J3LHL	021	MW-25	07/24/07	
J3LHM	022	DUP	07/24/07	
J3LHN	023	TRIP BLANK	07/25/07	

NOTE(S):

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

QC DATA ASSOCIATION SUMMARY

I7G260169

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALY:		 LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER		300.0A		7215143	7215098
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846	8021B	•	7215206	7215126
002	WATER	MCAWW	300.0A		7215143	7215098
•	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846	8021B		7215206	7215126
003	WATER	MCAWW	300.0A	٠	7215140	7215096
	WATER	SW846	8015B	•	7208183	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846	8021B		7215206	7215126
004	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183·	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846	8021B		7215206	7215126
005	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B	•	7215200	7215118
	WATER	SW846	8021B		7215206	7215126
006	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846	8021B		7215206	7215126
007	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846	8021B		7215206	7215126
008	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215200	7215118
	WATER	SW846			7215206	7215126
009	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846			7208183	٥٥٥٠
•	WATER		8015B		7215200	7215118
	_					

QC DATA ASSOCIATION SUMMARY

17G260169

Sample Preparation and Analysis Control Numbers

		ANALYT	ICAL	LEACH	PREP	
SAMPLE#	MATRIX	METHOD		BATCH #	BATCH #	MS RUN#
009	WATER	SW846	8021B		7215206	7215126
003	WAILK	D#040	30210		7213200	7213120
010	WATER	MCAWW 3	300.0A		7215140	7215096
	WATER	SW846	3015B		7208183	
	WATER	SW846	3015B		7215200	7215118
.)	WATER	SW846	3021B		7215206	7215126
011	WATER	MCAWW 3	300.0A		7215140	7215096
	WATER	SW846	3015B		7208183	
	WATER	SW846	3015B		7215457	7215287
	WATER	SW846	3021B		7215454	7215286
012	WATER	MCAWW 3	300.0A		7215140	7215096
	WATER	SW846 8	3015B		7208183	
	WATER	SW846	3015B		7215457	7215287
	WATER	SW846 8	3021B		7215454	7215286
013	WATER	MCAWW 3	A0.00		7215140	7215096
	WATER	SW846 8	3015B		7208183	
	WATER	SW846 8	3015B		7215457	7215287
	WATER	SW846 8	3021B		7215454	7215286
014	WATER	MCAWW 3	300.0A		7215140	7215096
	WATER	SW846 8	3015B		7208183	
	WATER	SW846 8	3015B		7221352	
	WATER	SW846 8	3021B		7215454	7215286
	WATER	SW846 8	3021B		7221413	7221197
015	WATER	MCAWW 3	300.0A		7215140	7215096
	WATER	SW846 8			7208183	
	WATER	SW846 8			7215457	7215287
	WATER	SW846 8	3021B		7215454	7215286
016	WATER	MCAWW 3			7215140	7215096
	WATER	SW846 8			7208183	
	WATER	SW846 8	3015B		7215457	7215287
	WATER	SW846 8	3021B		7215454	7215286
017	WATER	MCAWW 3	300.0A		7215140	7215096
	WATER	SW846 8	3015B		7208183	
	WATER	SW846 8	3015B		7221352	
	WATER	SW846 8	3021B		7221413	7221197

QC DATA ASSOCIATION SUMMARY

I7G260169

Sample Preparation and Analysis Control Numbers

		ANALYI	CICAL	LEACH	PREP	
SAMPLE#	MATRIX_	METHOD)	BATCH #	BATCH #	MS RUN#
018	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215457	7215287
	WATER	SW846	8021B		7215454	7215286
019	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
}	WATER	SW846	8015B		7221352	
	WATER	SW846	8021B		7220334.	7220188
020	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208183	
	WATER	SW846	8015B		7215457	7215287
•	WATER	SW846	8021B		7220334	7220188
021	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208180	
	WATER	SW846	8015B		7215457	7215287
	WATER	SW846	8021B		7215454	7215286
022	WATER	MCAWW	300.0A		7215140	7215096
	WATER	SW846	8015B		7208180	
	WATER	SW846	8015B		7215457	7215287
	WATER	SW846	8021B		7220334	7220188
023	WATER	SW846	8021B		7215454	7215286

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #: I7G260169-001	Work Order #: J3LF41AA	-	Matrix:	WATER
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Date Sampled...: 07/25/07 07:40 Date Received..: 07/26/07 08:15

Prep Batch #...: 7215200 Analysis Time..: 15:43
Dilution Factor: 1

Method..... SW846 8015B

REPORTING

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

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 101 (75 - 122)

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #:	I7G260169-001	Work Order #: J	3LF41AD	Matrix W.	ATER

Date Sampled...: 07/25/07 07:40 Date Received..: 07/26/07 08:15

 Prep Date....:
 08/01/07
 Analysis Date..:
 08/01/07

 Prep Batch #...:
 7215206
 Analysis Time..:
 15:43

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Tolueņe	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
1			
,	PERCENT	RECOVERY	•
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	108	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	88	(59 - 157)	

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #: I7G260169-001 W	Work Order #:	J3LF41AC	Matrix:	WATER
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Date Sampled...: 07/25/07 07:40 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07 Analysis Date..: 07/31/07

Prep Batch #...: 7208183 Analysis Time..: 06:33 Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.26 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 103
 (48 - 153)

 Dotriacontane
 121
 (35 - 143)

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: I7G260169-001

Work Order #...: J3LF4

Matrix..... WATER

Date Sampled...: 07/25/07 07:40 Date Received..: 07/26/07 08:15

·					PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride	51.6	20.0	mg/L	MCAWW 300.0A	08/02/07	7215143

Dilution Factor: 20

Analysis Time..: 11:37

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #:	I7G260169-002	Work Order #:	J3LF91AA	Matrix:	WATER
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Date Sampled...: 07/25/07 07:50 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Analysis Date..: 08/01/07

Prep Batch #...: 7215200 Analysis Time..: 16:11 Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

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

PERCENT RECOVERY

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

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #:	I7G260169-002	Work Order	#: J3LF91	AD Matrix:	WATER
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Date Sampled...: 07/25/07 07:50 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Prep Batch #...: 7215206 Analysis Date..: 08/01/07 Analysis Time..: 16:11

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	111	(81 - 119))
a a a-Trifluorotoluene (TFT)	89	(59 - 157))

Client Sample ID: MW-5

GC Semivolatiles

	07/25/07 07:50 07/26/07 7208183	Work Order #: Date Received: Analysis Date: Analysis Time:	07/26/07 (07/31/07		Matrix	.: WATER
		Method:	SW846 801	5B		
PARAMETER		RESULT	REPORTING LIMIT	rinu		
Diesel Range Orga	mics	0.34	0.050	mg/I		
SURROGATE	·	PERCENT RECOVERY	RECOVERY LIMITS			

(48 - 153)

(35 - 143)

104

126

o-Terphenyl

Dotriacontane

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: 17G260169-002

Work Order #...: J3LF9

Matrix..... WATER

Date Sampled...: 07/25/07 07:50 Date Received..: 07/26/07 08:15

	•				PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride	44.8	20.0	mg/L	MCAWW 300.0A	08/02/07	7215143

Dilution Factor: 20

Analysis Time..: 11:51

Client Sample ID: MW-26

GC Volatiles

Lot-Sample #: I7G260169-003	Work Order #: J3LGD1AA	Matrix: WATER
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Date Sampled...: 07/25/07 08:20 Date Received..: 07/26/07 08:15

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

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

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

Client Sample ID: MW-26

GC Volatiles

Lot-Sample #...: 17G260169-003 Work Order #...: J3LGD1AD Matrix..... WATER

Date Sampled...: 07/25/07 08:20 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Analysis Date..: 08/01/07 Prep Batch #...: 7215206

Analysis Time..: 16:39

Dilution Factor: 1

Method..... SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	•
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	111	(81 - 119)	-
a.a.a-Trifluorotoluene (TFT)	88	(59 - 157)	

Client Sample ID: MW-26

GC Semivolatiles

Lot-Sample #: I7G260169-003	Work Order #: J3LGD1AC	Matrix WATER
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Date Sampled...: 07/25/07 08:20 Date Received..: 07/26/07 08:15

 Prep Date....:
 07/26/07
 Analysis Date..:
 07/31/07

 Prep Batch #...:
 7208183
 Analysis Time..:
 07:39

Dilution Factor: 1

Method....: SW846 8015B

REPORTING

PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.89	0.050	mq/L

X.	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	96	(48 - 153)	
Dotriacontane	121	(35 - 143)	

Client Sample ID: MW-26

General Chemistry

Lot-Sample #...: I7G260169-003

Work Order #...: J3LGD

Matrix..... WATER

Date Sampled...: 07/25/07 08:20 Date Received..: 07/26/07 08:15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	83.7	20.0	mg/L or: 20	MCAWW 300.0A Analysis Time: 13:07	08/02/07	7215140

Client Sample ID: MW-27

GC Volatiles

Lot-Sample #...: I7G260169-004 Work Order #...: J3LGE1AA Matrix.....: WATER

Date Sampled...: 07/25/07 08:40 Date Received..: 07/26/07 08:15

 Prep Date....:
 08/01/07
 Analysis Date..:
 08/01/07

 Prep Batch #...:
 7215200
 Analysis Time..:
 17:06

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics ND 0.10 mg/L

SURROGATEPERCENTRECOVERY4-Bromofluorobenzene (GRO)103(75 - 122)

Client Sample ID: MW-27

GC Volatiles

Lot-Sample #: I	7G260169-004	Work Order #:	J3LGE1AD	Matrix:	WATER

Date Sampled...: 07/25/07 08:40 Date Received..: 07/26/07 08:15

 Prep Date.....:
 08/01/07
 Analysis Date..:
 08/01/07

 Prep Batch #...:
 7215206
 Analysis Time..:
 17:06

Dilution Factor: 1

Method....: SW846 8021B

• •		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	1.8	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
	PERCENT ·	RECOVERY	
SURROGATE	RECOVERY	LIMITS	·
Bromofluorobenzene	108	(81 - 119)	_)
a,a,a-Trifluorotoluene (TFT)	88	(59 - 157)	,

Client Sample ID: MW-27

GC Semivolatiles

Lot-Sample #: 17G260169-004	Work Order #: J3LGE1AC	•	Matrix	WATER
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Date Sampled...: 07/25/07 08:40 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07 Analysis Date..: 07/31/07

Prep Batch #...: 7208183 Analysis Time..: 08:13 Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.94 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 105
 (48 - 153)

 Dotriacontane
 134
 (35 - 143)

Client Sample ID: MW-27

General Chemistry

Lot-Sample #...: 17G260169-004

Work Order #...: J3LGE

Matrix..... WATER

Date Sampled...: 07/25/07 08:40 Date Received..: 07/26/07 08:15

PREPARATION-PREP PARAMETER METHOD BATCH # RESULT RL UNITS ANALYSIS DATE 08/02/07 Chloride 130 20.0 mg/L MCAWW 300.0A 7215140

Dilution Factor: 20

Analysis Time..: 14:22

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #:	I7G260169-005	Work Order #: J3LGF1AA	Matrix	WATER
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Date Sampled...: 07/25/07 08:50 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Analysis Date..: 08/01/07

Prep Batch #...: 7215200 Analysis Time..: 18:30

Dilution Factor: 1 Method....: SW846 8015B

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

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 103 (75 - 122)

Client Sample ID: MW-23

GC Volatiles

Lot-Sample #:	I7G260169-005	Work Order #:	J3LGF1AD	Matrix:	WATER
Date Sampled:	07/25/07 08:50	Date Received:	07/26/07 08:15		
Prep Date:	08/01/07	Analysis Date:	08/01/07		
Prep Batch #:	7215206	Analysis Time:	18:30		
Dilution Factor:	1				
		Method:	SW846 8021B		
			REPORTING	•	

PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	109	(81 - 119	
a,a,a-Trifluorotoluene (TFT)	85	(59 - 157)

Client Sample ID: MW-23

GC Semivolatiles

Lot-Sample #: I7G26010	59-005 Work Order	#: J3LGF1AC	Matrix WATER
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Date Sampled...: 07/25/07 08:50 Date Received..: 07/26/07 08:15

 Prep Date....:
 07/26/07
 Analysis Date..:
 07/31/07

 Prep Batch #...:
 7208183
 Analysis Time..:
 08:46

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.098	0.050	mg/L

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
o-Terphenyl	91	(48 - 153)
Dotriacontane	113	(35 - 143)

Client Sample ID: MW-23

General Chemistry

Lot-Sample #...: I7G260169-005 Work Order #...: J3LGF Matrix.....: WATER

Date Sampled...: 07/25/07 08:50 Date Received..: 07/26/07 08:15

					PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride	63.7	20.0	mq/L	MCAWW 300.0A	08/02/07	7215140

Dilution Factor: 20 Analysis Time..: 14:37

Client Sample ID: MW-18

GC Volatiles

Lot~Sample #: 17G260169-006			Matrix WATER
Date Sampled: 07/25/07 10:10	Date Received:	07/26/07 08	:15
Prep Date: 08/01/07	Analysis Date:	08/01/07	
Prep Batch #: 7215200	Analysis Time:	18:57	
Dilution Factor: 20			
	Method:	SW846 8015B	
	,		
		REPORTING	
PARAMETER	RESULT	LIMIT I	UNITS
Gasoline Range Organics	9.6	2.0	ng/L
	•		
	PERCENT	RECOVERY	

105

SURROGATE

4-Bromofluorobenzene (GRO)

LIMITS

(75 - 122)

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #:	I7G260169-006	Work Order #:	J3LGM1AD	Matrix:	WATER
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Date Sampled...: 07/25/07 10:10 Date Received..: 07/26/07 08:15 Analysis Date..: 08/01/07

Prep Date....: 08/01/07 Analysis Time..: 18:57

Prep Batch #...: 7215206

Dilution Factor: 20

Method....: SW846 8021B

•		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	
Benzene	2700	20	ug/L	
Ethylbenzene	96	20	ug/L	
Toluene	ND	20	ug/L	
Xvlenes (total)	87	60	uq/L	

		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
Bromofluorobenzene		107	(81 - 119)
a,a,a-Trifluorotoluene	(TFT)	103	(59 - 157)

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #: I7G260169-00	Work Order #: J3LGM1AC	Matrix WATER
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Date Sampled...: 07/25/07 10:10 Date Received..: 07/26/07 08:15

 Prep Date....:
 07/26/07
 Analysis Date..:
 07/31/07

 Prep Batch #...:
 7208183
 Analysis Time..:
 09:53

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.42 0.050 mg/L

Diesel Range Organics 0.42 0.050 m

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 89
 (48 - 153)

 Dotriacontane
 108
 (35 - 143)

Client Sample ID: MW-18

General Chemistry

Lot-Sample #...: I7G260169-006

Work Order #...: J3LGM

Matrix....: WATER

Date Sampled...: 07/25/07 10:10 Date Received..: 07/26/07 08:15

PREPARATION-PREP

PARAMETER Chloride

RESULT RL196

UNITS 50.0 mg/L

METHOD MCAWW 300.0A ANALYSIS DATE BATCH # 08/02/07 7215140

Dilution Factor: 50

Analysis Time..: 14:52

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #:	I7G260169-007	Work Order	#: J3LGN1AA	Matrix:	WATER
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Date Sampled...: 07/25/07 10:25 Date Received..: 07/26/07 08:15

 Prep Date....: 08/01/07
 Analy

 Prep Batch #...: 7215200
 Analy

Analysis Date..: 08/01/07 Analysis Time..: 19:25

Dilution Factor: 25

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 14 2.5 mg/L

PERCENT

RECOVERY

SURROGATE RECOVERY
4-Bromofluorobenzene (GRO) 103

LIMITS (75 - 122)

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #: 17G260169-007 Date Sampled: 07/25/07 10:25 Prep Date: 08/01/07 Prep Batch #: 7215206 Dilution Factor: 25		07/26/07 0 08/01/07	Matrix: WATER 8:15
·	Method:	SW846 8021	В
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	3000	25	ug/L
Ethylbenzene	110	25	ug/L
Toluene	ND	25	ug/L
Xylenes (total)	140	75	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	107	(81 - 119)	

106

a,a,a-Trifluorotoluene (TFT)

(59 - 157)

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #:	I7G260169-007	Work	Order	#:	J3LGN1AC	Matrix:	WATER
				-			

(35 - 143)

Date Sampled...: 07/25/07 10:25 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07 Analysis Date..: 07/31/07

Prep Batch #...: 7208183 Analysis Time..: 10:26
Dilution Factor: 1

Dotriacontane

Method.....: SW846 8015B

PARAMETER Diesel Range Organics	RESULT	REPORTING LIMIT 0.050	UNITS mg/L
breber Range Organies	0.00	0.050	5/ 12
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
o-Terphenyl	103	(48 - 153)	-

116

Client Sample ID: MW-12

General Chemistry

Lot-Sample #...: I7G260169-007 Work Order #...: J3LGN Matrix.....: WATER

Date Sampled...: 07/25/07 10:25 Date Received..: 07/26/07 08:15

Chloride	177	50.0	mg/L	MCAWW 300.0A	08/02/07	7215140
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
/					PREPARATION-	PREP

Dilution Factor: 50 Analysis Time..: 15:07

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #: 17G260169-008	Work Order #:	J3LGR1AA	Matrix WATER
Date Sampled: 07/25/07 10:00	Date Received:	07/26/07 08:	15
Prep Date: 08/01/07	Analysis Date:	08/01/07	
Prep Batch #: 7215200	Analysis Time:	19:53	
Dilution Factor: 1			
	Method:	SW846 8015B	
		REPORTING	
PARAMETER	RESULT	LIMIT U	NITS
Gasoline Range Organics	0.10	0.10 m	g/L
	PERCENT	RECOVERY	

RECOVERY

105

SURROGATE

4-Bromofluorobenzene (GRO)

LIMITS

(75 - 122)

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #...: 17G260169-008 Work Order #...: J3LGR1AD Matrix..... WATER

Date Sampled...: 07/25/07 10:00 Date Received..: 07/26/07 08:15

 Prep Date.....:
 08/01/07
 Analysis Date...:
 08/01/07

 Prep Batch #...:
 7215206
 Analysis Time...:
 19:53

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
•	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	113	(81 - 119)	•
a.a.a-Trifluorotoluene (TFT)	96	(59 - 157)	

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #...: 17G260169-008 Work Order #...: J3LGR1AC Matrix.....: WATER

Date Sampled...: 07/25/07 10:00 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07 Analysis Date..: 07/31/07

Prep Batch #...: 7208183 Analysis Time..: 10:59
Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.20 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 105
 (48 - 153)

 Dotriacontane
 113
 (35 - 143)

Client Sample ID: MW-14

General Chemistry

Lot-Sample #...: 17G260169-008

Work Order #...: J3LGR

Matrix..... WATER

Date Sampled...: 07/25/07 10:00 Date Received..: 07/26/07 08:15

PARAMETER

RESULT

RLUNITS METHOD

PREPARATION-ANALYSIS DATE

08/02/07

PREP BATCH #

Chloride 188

Dilution Factor: 50

50.0

Analysis Time..: 15:22

MCAWW 300.0A

7215140

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #: I7G260169-009	Work Order #: J3LGX1AA	Matrix WATER
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Date Sampled...: 07/25/07 11:10 Date Received..: 07/26/07 08:15

 Prep Date.....:
 08/01/07
 Analysis Date..:
 08/01/07

 Prep Batch #...:
 7215200
 Analysis Time..:
 20:20

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

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

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 111 (75 - 122)

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #...: 17G260169-009 Work Order #...: J3LGX1AD Matrix...... WATER

Date Sampled...: 07/25/07 11:10 Date Received..: 07/26/07 08:15

Dilution Factor: 1

Method..... SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	2.6	1.0	ug/L
Ethylbenzene	8.3	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND .	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	116	(81 - 119	
a,a,a-Trifluorotoluene (TFT)	102	(59 - 157)

Client Sample ID: SVE-10

GC Semivolatiles

Lot-Sample #: 17G260169-009 Date Sampled: 07/25/07 11:10 Prep Date: 07/26/07 Prep Batch #: 7208183 Dilution Factor: 1		07/26/07 0 07/31/07	
	Method:	SW846 8015	B
PARAMETER Diesel Range Organics	RESULT 0.42	REPORTING LIMIT 0.050	UNITS mg/L
SURROGATE o-Terphenyl	PERCENT RECOVERY 95	RECOVERY LIMITS (48 - 153)	

(35 - 143)

. 100

Dotriacontane

Client Sample ID: SVE-10

General Chemistry

Lot-Sample #...: I7G260169-009 Work Order #...: J3LGX Matrix.....: WATER

Date Sampled...: 07/25/07 11:10 Date Received..: 07/26/07 08:15

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH

 Chloride
 247
 50.0
 mg/L
 MCAWW
 300.0A
 08/02/07
 7215140

Dilution Factor: 50 Analysis Time..: 15:37

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #...: I7G260169-010 Work Order #...: J3LG11AA Matrix...... WATER

Date Sampled...: 07/25/07 11:30 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Analysis Date..: 08/01/07 Prep Batch #...: 7215200 Analysis Time..: 20:48

Dilution Factor: 10 Method....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics 6.6 1.0 mg/L

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #: I' Date Sampled: 0'					Matrix: WATER	Š
Prep Date 08	8/01/07	Analysis Date:	08/01/07		·	
Prep Batch #: 72	215206	Analysis Time:	20:48			
Dilution Factor: 1	0					
		Method:	SW846 8021	В		
•		•	REPORTING			
PARAMETER		RESULT	LIMIT	UNIT		
Benzene		690	10	ug/I	J	
Ethylbenzene		170	10	ug/I		\ .
Toluene		360	10	ug/I	J	
Xylenes (total)		250	30	ug/I	, 5	
			*			
		PERCENT	RECOVERY			
SURROGATE		RECOVERY	LIMITS			

(81 - 119)

(59 - 157)

106

106

Bromofluorobenzene

a,a,a-Trifluorotoluene (TFT)

Client Sample ID: MW-6

GC Semivolatiles

Lot-Sample #...: I7G260169-010 Work Order #...: J3LG11AC Matrix....: WATER

Date Sampled...: 07/25/07 11:30 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07 Analysis Date..: 07/31/07 Prep Batch #...: 7208183 Analysis Time..: 23:48

Dilution Factor: 20

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 4.6 1.0 mg/L

SURROGATEPERCENTRECOVERYO-TerphenylNC,DIL(48 - 153)DotriacontaneNC,DIL(35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Client Sample ID: MW-6

General Chemistry

Lot-Sample #...: I7G260169-010

Work Order #...: J3LG1

Matrix....: WATER

Date Sampled...: 07/25/07 11:30 Date Received..: 07/26/07 08:15

PREPARATION-

PREP

PARAMETER ${\bf Chloride}$

126

mg/L

METHOD MCAWW 300.0A ANALYSIS DATE 08/02/07

BATCH # 7215140

Dilution Factor: 20

20.0

Analysis Time..: 15:52

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #...: 17G260169-011 Work Order #...: J3LG21AA Matrix...... WATER

Date Sampled...: 07/25/07 09:05 Date Received..: 07/26/07 08:15

Dilution Factor: 1

Method....: SW846 8015B

REPORTING

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

PERCENT RECOVERY

PERCENT RECOVERY

SURROGATE RECOVERY

4-Bromofluorobenzene (GRO) 101 (75 - 122)

Client Sample ID: MW-22

GC Volatiles

Lot-Sample #:	I7G260169-011	Work Order #: J:	3LG21AD	Matrix:	WATER
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Date Sampled...: 07/25/07 09:05 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Prep Batch #...: 7215454 Analysis Date..: 08/02/07 Analysis Time..: 13:17

Dilution Factor: 1

Method....: SW846 8021B

			REPORTING	
PARAMETER	RESULT		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
	PERCENT		RECOVERY	
SURROGATE	RECOVERY		LIMITS	_
Bromofluorobenzene	105		(81 - 119)	-
a,a,a-Trifluorotoluene (TFT)	94		(59 - 157)	

Client Sample ID: MW-22

GC Semivolatiles

Lot-Sample #: I7G260169-0	1 Work Order #: J3LG21AC	Matrix: WATER
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Date Sampled...: 07/25/07 09:05 Date Received..: 07/26/07 08:15

 Prep Date.....:
 07/26/07
 Analysis Date..:
 07/31/07

 Prep Batch #...:
 7208183
 Analysis Time..:
 12:41

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.13 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 92
 (48 - 153)

 Dotriacontane
 128
 (35 - 143)

Client Sample ID: MW-22

General Chemistry

Lot-Sample #...: 17G260169-011

Work Order #...: J3LG2

Matrix....: WATER

Date Sampled...: 07/25/07 09:05 Date Received..: 07/26/07 08:15

PREPARATION-PREP PARAMETER ANALYSIS DATE METHOD Chloride 83.4 20.0 MCAWW 300.0A 08/02/07 7215140 mg/L

> Dilution Factor: 20 Analysis Time..: 16:07

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #...: I7G260169-012 Work Order #...: J3LG41AA Matrix..... WATER

Date Sampled...: 07/25/07 09:30 Date Received..: 07/26/07 08:15

 Prep Date....:
 08/02/07
 Analysis Date..:
 08/02/07

 Prep Batch #...:
 7215457
 Analysis Time..:
 13:45

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics ND 0.10 mg/L

SURROGATEPERCENTRECOVERYECOVERYLIMITS

4-Bromofluorobenzene (GRO) 100 (75 - 122)

Client Sample ID: MW-13

GC Volatiles

Lot-Sample #: I7G260169-012	Work Order #: J3LG41AD	Matrix WATER
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Date Sampled...: 07/25/07 09:30 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Analysis Date..: 08/02/07 Analysis Time..: 13:45

Prep Batch #...: 7215454

Dilution Factor: 1

Method..... SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	104	(81 - 119)	_
a a a-Trifluorotoluene (TFT)	96	(59 - 157)	

Client Sample ID: MW-13

GC Semivolatiles

_	07/25/07 09:30 07/26/07 7208183	Work Order #: Date Received: Analysis Date: Analysis Time:	07/26/07 (07/31/07		Matrix:	WATER
		Method:	SW846 8019	5B		
PARAMETER		RESULT	REPORTING	UNIT		
Diesel Range Orga	anics	0.096	0.050	mg/L	1	
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS	_		
o-Terphenyl		95	(48 - 153))		

118

o-Terphenyl Dotriacontane

(35 ~ 143)

Client Sample ID: MW-13

General Chemistry

Lot-Sample #...: I7G260169-012

Work Order #...: J3LG4

Matrix....: WATER

Date Sampled...: 07/25/07 09:30 Date Received..: 07/26/07 08:15

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 71.2
 20.0
 mg/L
 MCAWW 300.0A
 08/02/07
 7215140

Dilution Factor: 20

Analysis Time..: 16:22

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #...: I7G260169-013 Work Order #...: J3LG51AA Matrix....: WATER

Date Sampled...: 07/25/07 09:40 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Analysis Date..: 08/02/07

Prep Batch #...: 7215457 Analysis Time..: 14:12

Dilution Factor: 1 Method....: SW846 8015B

REPORTING

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

PERCENT RECOVERY

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

Client Sample ID: MW-19

GC Volatiles

Lot-Sample #:	I7G260169-013	Work Order	#: J3LG51AD	Matrix	: WATER
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Date Sampled...: 07/25/07 09:40 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Analysis Date..: 08/02/07 Prep Batch #...: 7215454

Analysis Time..: 14:12

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	110	(81 - 119)	
a a a-Trifluorotoluene (TFT)	95	(59 - 157)	

Client Sample ID: MW-19

GC Semivolatiles

Lot-Sample #:	I7G260169-013	Work Order #	.: J3LG51AC	Matrix:	WATER

Date Sampled...: 07/25/07 09:40 Date Received..: 07/26/07 08:15

 Prep Date....:
 07/26/07
 Analysis Date..:
 07/31/07

 Prep Batch #...:
 7208183
 Analysis Time..:
 13:47

Dilution Factor: 1

Method....: SW846 8015B

REPORTING

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

 SURROGATE
 RECOVERY
 RECOVERY
 LIMITS

 o-Terphenyl
 94
 (48 - 153)

 Dotriacontane
 115
 (35 - 143)

Client Sample ID: MW-19

General Chemistry

Lot-Sample #...: I7G260169-013

Work Order #...: J3LG5

Date Sampled...: 07/25/07 09:40 Date Received..: 07/26/07 08:15

			•		PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride	97.7	20.0	mg/L	MCAWW 300.0A	08/02/07	7215140

Dilution Factor: 20

Analysis Time..: 16:37

Client Sample ID: DUPLICATE

GC Volatiles

Lot-Sample #: 1/G	3260169-014 Work Orde	r #: J3LG62AA	Matrix WATER
Date Sampled: 07/	/25/07 Date Rece	ived: 07/26/07 0	08:15
Prep Date: 08/	/08/07 Analysis	Date: 08/08/07	
Prep Batch #: 722	21352 Analysis	Time: 12:08	
Dilution Factor: 10			
	Method	: SW846 8015	5B
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS

1.0

mg/L

 SURROGATE
 PERCENT
 RECOVERY

 4-Bromofluorobenzene (GRO)
 85
 (75 - 122)

15

Gasoline Range Organics

Client Sample ID: DUPLICATE

GC Volatiles

Lot-Sample #:		Work Order #:		Matrix WATER
Date Sampled:	07/25/07	Date Received:	07/26/07 0	8:15
Prep Date:	08/02/07	Analysis Date:	08/02/07	
Prep Batch #:	7215454	Analysis Time:	14:39	
Dilution Factor:	1			
		Method:	SW846 8021	В
	•		REPORTING	
PARAMETER		RESULT	LIMIT	UNITS
Ethylbenzene		210	1.0	ug/L
Toluene		3.8	1.0	ug/L
Xylenes (total)		220	3.0	ug/L
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzer	ie	133 *	(81 - 119)	
a,a,a-Trifluoroto	oluene (TFT)	599 *	(59 - 157)	

NOTE (S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect,

Client Sample ID: DUPLICATE

GC Volatiles

Lot-Sample #:	17G260169-014	work Order #:	J3LG6ZAD	matrix:	WATER
Date Sampled:	07/25/07	Date Received:	07/26/07 08:15		
Prep Date:	08/08/07	Analysis Date:	08/08/07		
Prep Batch #:	7221413	Analysis Time:	11:39		
Dilution Factor:	20				
		Method:	SW846 8021B		
			REPORTING		

UNITS

ug/L

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

RESULT

3500

PARAMETER

Benzene

Client Sample ID: DUPLICATE

GC Semivolatiles

Lot-Sample #: 17G260169-014 Date Sampled: 07/25/07 Prep Date: 07/26/07 Prep Batch #: 7208183 Dilution Factor: 1	Work Order #: Date Received: Analysis Date: Analysis Time:	07/26/07 0 07/31/07	Matrix: WATER 8:15
	Method:	SW846 8015	В
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1.7	0.050	mg/L
SURROGATE o-Terphenyl	PERCENT RECOVERY 119	RECOVERY LIMITS (48 - 153)	

128

Dotriacontane

(48 - 153) (35 - 143)

Client Sample ID: DUPLICATE

General Chemistry

Lot-Sample #...: I7G260169-014

Work Order #...: J3LG6

Matrix..... WATER

Date Sampled...: 07/25/07

Date Received..: 07/26/07 08:15

PREPARATION- PREP
PARAMETER RESULT RL UNITS METHOD ANALYSIS DATE BATCH #

Chloride 192 20.0 mg/L MCAWW 300.0A 08/02/07 7215140

Dilution Factor: 20 Analysis Time..: 17:23

Client Sample ID: MW-15

GC Volatiles

Lot-Sample #:	I7G260169-015	Work Order #:	J3LHA1AA	Matrix:	WATER
Date Sampled:	07/24/07 16:50	Date Received:	07/26/07 0	8:15	
Prep Date:	08/02/07	Analysis Date:	08/02/07	,	
Prep Batch #:	7215457	Analysis Time:	15:06		
Dilution Factor:	1				
		Method:	SW846 8015	B	
			REPORTING		
PARAMETER	***	RESULT	LIMIT	UNITS	
Gasoline Range O	rganics	0.22	0.10	mg/L	

RECOVERY LIMITS (75 - 122)

PERCENT

4-Bromofluorobenzene (GRO)

Client Sample ID: MW-15

GC Volatiles

Lot-Sample #: I7G260169-	15 Work Order #: J3LHA1AD	Matrix WATER
--------------------------	---------------------------	--------------

Date Sampled...: 07/24/07 16:50 Date Received..: 07/26/07 08:15

 Prep Date.....: 08/02/07
 Analysis Date..: 08/02/07

 Prep Batch #...: 7215454
 Analysis Time..: 15:06

Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	
Benzene	4.7	1.0	ug/L	
Ethylbenzene	4.5	1.0	ug/L	
Toluene	ND	1.0	ug/L	
Xylenes (total)	ND	3.0	ug/L	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Bromofluorobenzene	111	(81 - 119)		
a,a,a-Trifluorotoluene (TFT)	127	(59 - 157)		

Client Sample ID: MW-15

GC Semivolatiles

Date Sampled: Prep Date: Prep Batch #:	07/24/07 16:50 07/26/07 7208183	Work Order #: Date Received: Analysis Date: Analysis Time:	07/26/07 08 07/31/07	Matrix: WATER 3:15
Dilution Factor:	1	Method:	SW846 8015	В
PARAMETER		RESULT	LIMIT	UNITS
Diesel Range Orga	nics	3.3	0.050	mg/L
SURROGATE		PERCENT RECOVERY	RECOVERY	

(48 - 153) (35 - 143)

102

119

o-Terphenyl

Dotriacontane

Client Sample ID: MW-15

General Chemistry

Lot-Sample #...: I7G260169-015

Work Order #...: J3LHA

Matrix....: WATER

Date Sampled...: 07/24/07 16:50 Date Received..: 07/26/07 08:15

PREPARATION-

PREP

PARAMETER Chloride RESULT

251

RL UNITS mg/L

METHOD
MCAWW 300.0A

ANALYSIS DATE BATCH #

08/02/07 7215140

Dilution Factor: 50

Analysis Time..: 17:38

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #...: 17G260169-016 Work Order #...: J3LHD1AA Matrix...... WATER

Date Sampled...: 07/24/07 15:15 Date Received..: 07/26/07 08:15

Prep Batch #...: 7215457 Analysis Time..: 16:28 Dilution Factor: 1

Method..... SW846 8015B

REPORTING

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

Client Sample ID: MW-16

GC Volatiles

Lot-Sample #: 17G260169	-016 Work Order	#: J3LHD1AD	Matrix:	WATER
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Date Sampled...: 07/24/07 15:15 Date Received..: 07/26/07 08:15

 Prep Date....:
 08/02/07
 Analysis Date..:
 08/02/07

 Prep Batch #...:
 7215454
 Analysis Time..:
 16:28

Dilution Factor: 1

Method....: SW846 8021B

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

Client Sample ID: MW-16

GC Semivolatiles

Lot-Sample #: 17G26010 Date Sampled: 07/24/00 Prep Date: 07/26/00 Prep Batch #: 7208183	7 15:15 Date Received 7 Analysis Date	: 07/26/07 08 : 07/31/07	Matrix: WATER 3:15
Dilution Factor: 1	_		
	Method	: SW846 8015	В .
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.12	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

(48 - 153)

(35 - 143)

94

109

o-Terphenyl

Dotriacontane

Client Sample ID: MW-16

General Chemistry

Lot-Sample #...: 17G260169-016 Work Order #...: J3LHD

Matrix..... WATER

Date Sampled...: 07/24/07 15:15 Date Received..: 07/26/07 08:15

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 168
 50.0
 mg/L
 MCAWW 300.0A
 08/02/07
 7215140

Dilution Factor: 50 A

Analysis Time..: 17:53

Client Sample ID: MW-17

GC Volatiles

Lot-Sample #...: I7G260169-017 Work Order #...: J3LHE2AA Matrix..... WATER

Date Sampled...: 07/24/07 15:50 Date Received..: 07/26/07 08:15

Prep Date....: 08/08/07 Analysis Date..: 08/08/07

Prep Batch #...: 7221352 Analysis Time..: 12:35

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

PARAMETERRESULTLIMITUNITSGasoline Range OrganicsND0.10mg/L

abotthe kange organies ND 0.10

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 78 (75 - 122)

Client Sample ID: MW-17

GC Volatiles

Lot-Sample #...: 17G260169-017 Work Order #...: J3LHE2AD Matrix..... WATER

Date Sampled...: 07/24/07 15:50 Date Received..: 07/26/07 08:15

 Prep Date.....:
 08/08/07
 Analysis Date..:
 08/08/07

 Prep Batch #...:
 7221413
 Analysis Time..:
 12:07

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	<u>.</u>
Bromofluorobenzene	99	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	90	(59 - 157)	

Client Sample ID: MW-17

GC Semivolatiles

Lot-Sample #: 17G260169-017 Date Sampled: 07/24/07 15:50 Prep Date: 07/26/07 Prep Batch #: 7208183 Dilution Factor: 1	Work Order #: Date Received: Analysis Date: Analysis Time:	07/26/07 08:15 07/31/07
	Method:	SW846 8015B
PARAMETER Diesel Range Organics	RESULT 0.082	REPORTING LIMIT UNITS 0.050 mg/L
SURROGATE o-Terphenyl	PERCENT RECOVERY 95	RECOVERY LIMITS (48 - 153)

109

Dotriacontane

(35 - 143)

Client Sample ID: MW-17

General Chemistry

Lot-Sample #...: 17G260169-017

Work Order #...: J3LHE

Matrix..... WATER

Date Sampled...: 07/24/07 15:50 Date Received..: 07/26/07 08:15

PREPARATION-PREP

PARAMETER Chloride

266

50.0

MCAWW 300.0A

ANALYSIS DATE BATCH # 08/02/07 7215140

Dilution Factor: 50

Analysis Time..: 18:08

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #...: 17G260169-018 Work Order #...: J3LHG1AA Matrix..... WATER

Date Sampled...: 07/24/07 15:35 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07

Prep Batch #...: 7215457

Dilution Factor: 1

Analysis Date..: 08/02/07 Analysis Time..: 17:23

Method....: SW846 8015B

REPORTING

REPORTI

PARAMETERRESULTLIMITUNITSGasoline Range OrganicsND0.10mg/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 102 (75 - 122)

Client Sample ID: MW-20

GC Volatiles

Lot-Sample #: I7G260169-018	Work Order #: J3LHG1AD	Matrix	WATER -
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Date Sampled...: 07/24/07 15:35 Date Received..: 07/26/07 08:15

 Prep Date.....:
 08/02/07
 Analysis Date...:
 08/02/07

 Prep Batch #...:
 7215454
 Analysis Time...:
 17:23

Dilution Factor: 1

a,a,a-Trifluorotoluene (TFT)

Method....: SW846 8021B

(59 - 157)

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Bromofluorobenzene	107	(81 - 119)	

95

Client Sample ID: MW-20

GC Semivolatiles

Lot-Sample #: 17G260169-018 Date Sampled: 07/24/07 15:3 Prep Date: 07/26/07 Prep Batch #: 7208183 Dilution Factor: 1		07/26/07 0 07/31/07	Matrix: WATER 8:15
	Method:	SW846 8015	В
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	ND	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	88	(48 - 153)	

103

Dotriacontane

(35 - 143)

Client Sample ID: MW-20

General Chemistry

Lot-Sample #...: 17G260169-018

Work Order #...: J3LHG

Matrix....: WATER

Date Sampled...: 07/24/07 15:35 Date Received..: 07/26/07 08:15

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 44.5
 20.0
 mg/L
 MCAWW 300.0A
 08/02/07
 7215140

Dilution Factor: 20

Analysis Time..: 18:23

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #:	I7G260169-019	Work Order #:	J3LHJ2AA	Matrix:	WATER
75 · G17	00/04/00 15 00	D-4 - D-4 - 3	00/05/00 00 15		

Date Sampled...: 07/24/07 15:00 Date Received..: 07/26/07 08:15

 Prep Date....:
 08/08/07
 Analysis Date..:
 08/08/07

 Prep Batch #...:
 7221352
 Analysis Time..:
 11:41

Dilution Factor: 1
Method....: SW846 8015B

.

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

SURROGATEPERCENTRECOVERY4-Bromofluorobenzene (GRO)81(75 - 122)

Client Sample ID: MW-21

GC Volatiles

Lot-Sample #...: I7G260169-019 Work Order #...: J3LHJ2AD Matrix...... WATER

Date Sampled...: 07/24/07 15:00 Date Received..: 07/26/07 08:15

Prep Date....: 08/07/07 Analysis Date..: 08/07/07 Prep Batch #...: 7220334 Analysis Time..: 13:27

Dilution Factor: 1

Method..... SW846 8021B

REPORTING	0
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PARAMETER	RESULT	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
	PERCENT	RECOVERY	.
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	102	(81 - 11	9)
a.a.a-Trifluorotoluene (TFT)	91	(59 - 15	7)

Client Sample ID: MW-21

GC Semivolatiles

Lot-Sample #...: I7G260169-019 Work Order #...: J3LHJ1AC Matrix..... WATER

Date Sampled...: 07/24/07 15:00 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07

Prep Batch #...: 7208183

Dilution Factor: 1

Diesel Range Organics

SURROGATE

Analysis Date..: 07/31/07 Analysis Time..: 17:08

Method..... SW846 8015B

REPORTING

PARAMETER RESULT

LIMIT : UNITS

0.050 mg/L

PERCENT

RECOVERY

RECOVERY LIMITS

o-Terphenyl 88 Dotriacontane

108

(48 - 153)(35 - 143)

Client Sample ID: MW-21

General Chemistry

Lot-Sample #...: I7G260169-019

Work Order #...: J3LHJ

Matrix....: WATER

Date Sampled...: 07/24/07 15:00 Date Received..: 07/26/07 08:15

PREPARATION-PREP BATCH # ANALYSIS DATE PARAMETER RESULT UNITS METHOD mg/L 08/02/07 Chloride 1010 100 MCAWW 300.0A 7215140

> Dilution Factor: 100 Analysis Time..: 18:38

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #...: 17G260169-020 Work Order #...: J3LHK1AA Matrix...... WATER

Date Sampled...: 07/24/07 16:30 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Analysis Date..: 08/02/07

Prep Batch #...: 7215457 Analysis Time..: 18:17 Dilution Factor: 25

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 8.0 2.5 mg/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 107 (75 - 122)

Client Sample ID: MW-24

GC Volatiles

Lot-Sample #:	I7G260169-020	Work Order #:	J3LHK2AD	Matrix:	WATER
Date Sampled:	07/24/07 16:30	Date Received:	07/26/07 08:19	5	

 Date Sampled...:
 07/24/07 16:30 Date Received...:
 07/26/07

 Prep Date.....:
 08/07/07
 Analysis Date...:
 08/07/07

 Prep Batch #...:
 7220334
 Analysis Time...:
 13:55

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	5.7	1.0	ug/L
Ethylbenzene	17	1.0	ug/L
Toluene	1.5	1.0	ug/L
Xylenes (total)	3.4	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	103	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	119	(59 - 157)	

Client Sample ID: MW-24

GC Semivolatiles

Lot-Sample #:	I7G260169-020	Work Order #:	J3LHK1AC	Matrix:	WATER
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Date Sampled...: 07/24/07 16:30 Date Received..: 07/26/07 08:15

Prep Date....: 07/26/07

Analysis Date..: 07/31/07 Prep Batch #...: 7208183 Analysis Time..: 17:41

Dilution Factor: 1

Dotriacontane

Method.....: SW846 8015B

(35 - 143)

PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.26	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	91	(48 - 153)	•

110

Client Sample ID: MW-24

General Chemistry

Lot-Sample #...: I7G260169-020 Work Order #...: J3LHK Matrix....: WATER

Date Sampled...: 07/24/07 16:30 Date Received..: 07/26/07 08:15

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 174
 50.0
 mg/L
 MCAWW 300.0A
 08/02/07
 7215140

Dilution Factor: 50 Analysis Time..: 18:53

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #...: 17G260169-021 Work Order #...: J3LHL1AA Matrix...... WATER

Date Sampled...: 07/24/07 16:10 Date Received..: 07/26/07 08:15

 Prep Date
 08/02/07
 Analysis Date
 08/02/07

 Prep Batch #...: 7215457
 Analysis Time
 19:39

Dilution Factor: 1

Method....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics ND 0.10 mg/L

PERCENT RECOVERY
SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 106 (75 - 122)

Client Sample ID: MW-25

GC Volatiles

Lot-Sample #...: 17G260169-021 Work Order #...: J3LHL1AD Matrix..... WATER

Date Sampled...: 07/24/07 16:10 Date Received..: 07/26/07 08:15

Dilution Factor: 1

Method..... SW846 8021B

	1001 0101 110	
RESULT	LIMIT	UNITS
ND	1.0	ug/L
ND	1.0	ug/L
ND	1.0	ug/L
ND	3.0	ug/L
PERCENT	RECOVERY	•
RECOVERY	LIMITS	
109	(81 - 11	9)
116	(59 - 15	7)
	ND ND ND ND PERCENT RECOVERY 109	RESULT LIMIT ND 1.0 ND 1.0 ND 3.0 PERCENT RECOVERY RECOVERY LIMITS 109 (81 - 11

Client Sample ID: MW-25

GC Semivolatiles

Lot-Sample #: 17G260169-021	Work Order #:	J3LHL1AC	Matrix WATER
Date Sampled: 07/24/07 16:10	Date Received:	07/26/07 08:15	;
Prep Date: 07/26/07	Analysis Date	07/31/07	
Prep Batch #: 7208180	Analysis Time:	03:15	-
Dilution Factor: 1			
	Method:	SW846 8015B	
	•	REPORTING	
PARAMETER	RESULT	LIMIT UNI	TS
Diesel Range Organics	0.36	0.050 mg/	'L
	PERCENT	RECOVERY	

<u>LIMITS</u> (48 - 153)

(35 - 143)

RECOVERY

91 104

SURROGATE

o-Terphenyl

Dotriacontane

Client Sample ID: MW-25

General Chemistry

Lot-Sample #...: 17G260169-021

Work Order #...: J3LHL

Matrix..... WATER

Date Sampled...: 07/24/07 16:10 Date Received..: 07/26/07 08:15

PREPARATION-PREP PARAMETER METHOD ANALYSIS DATE RESULT UNITS BATCH # 08/02/07 Chloride 274 50.0 mg/L MCAWW 300.0A 7215140

> Analysis Time..: 19:09 Dilution Factor: 50

Client Sample ID: DUP

GC Volatiles

Lot-Sample #: I7G260169-022	Work Order #:	J3LHM1AA	Matrix WATER
Date Sampled: 07/24/07	Date Received:	07/26/07 0	8:15
Prep Date: 08/02/07	Analysis Date:	08/02/07	•
Prep Batch #: 7215457	Analysis Time:	20:07	,
Dilution Factor: 1	_		
	Method:	SW846 8015	В
•			
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Gasoline Range Organics	0.34	0.10	mq/L
-			
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

118

4-Bromofluorobenzene (GRO)

Client Sample ID: DUP

GC Volatiles

Work Order #:	J3LHM2AD	Matrix WATER
Date Received:	07/26/07 0	8:15
Analysis Date:	08/07/07	
Analysis Time:	14:23	
Method:	SW846 8021	B
	REPORTING	
RESULT	LIMIT	UNITS
5.1	1.0	ug/L
15	1.0	ug/L
1.3	1.0	ug/L
3.1	3.0	ug/L
PERCENT	RECOVERY	
RECOVERY	LIMITS	
	Date Received: Analysis Date: Analysis Time: Method: RESULT 5.1 15 1.3 3.1 PERCENT	RESULT LIMIT 5.1 1.0 15 1.0 1.3 1.0 3.1 3.0 PERCENT RECOVERY

(81 - 119) (59 - 157)

103

107

Bromofluorobenzene

a,a,a-Trifluorotoluene (TFT)

Matrix....: WATER

ConocoPhillips Company

Client Sample ID: DUP

GC Semivolatiles

Lo	t-Sa	ample	#:	I7G260169-022
			_	

Date Sampled...: 07/24/07

Prep Date....: 07/26/07

Prep Batch #...: 7208180

Dilution Factor: 1

Work Order #...: J3LHM1AC

Date Received..: 07/26/07 08:15

Analysis Date..: 07/31/07

Analysis Time..: 03:48

Method.....: SW846 8015B

REPORTING

PARAMETER

SURROGATE

Diesel Range Organics

RESULT

0.21

LIMIT

RECOVERY

0.050

LIMITS

UNITS

PERCENT

RECOVERY

84

110

(48 - 153)

(35 - 143)

o-Terphenyl Dotriacontane

Client Sample ID: DUP

General Chemistry

Lot-Sample #...: I7G260169-022

Work Order #...: J3LHM

Matrix..... WATER

Date Sampled...: 07/24/07

Date Received..: 07/26/07 08:15

PREPARATION-PREP BATCH # ANALYSIS DATE PARAMETER RESULT RL UNITS METHOD 08/02/07 MCAWW 300.0A 7215140 Chloride 177 50.0 mg/L

Dilution Factor: 50

Analysis Time..: 19:24

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #: Date Sampled:		Work Order #: Date Received:			Matrix:	WATER
Prep Date: Prep Batch #: Dilution Factor:	7215454	Analysis Date: Analysis Time:	08/02/07			
		Method:	SW846 802	1B		

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	109	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	96	(59 - 157))

GC Volatiles

Client Lot #...: 17G260169

Work Order #...: J35TP1AA

Matrix..... WATER

MB Lot-Sample #: I7H030000-200

Prep Date....: 08/01/07

Analysis Time..: 09:42

Analysis Date..: 08/01/07

Dilution Factor: 1

Prep Batch #...: 7215200 '

REPORTING

PARAMETER

RESUL

LIMIT

ITS METH

mg/L

EILOD

Gasoline Range Organics

ND

0.10

SW846 8015B

SURROGATE

PERCENT RECOVERY RECOVERY LIMITS

4-Bromofluorobenzene (GRO

103

(75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: I7G260169

Work Order #...: J370J1AA

Matrix..... WATER

MB Lot-Sample #: I7H030000-457

Prep Date....: 08/02/07 Prep Batch #...: 7215457

Analysis Time..: 10:59

Analysis Date..: 08/02/07

Dilution Factor: 1

REPORTING

PARAMETER

UNITS

Gasoline Range Organics

mg/L

SW846 8015B

PERCENT SURROGATE

RECOVERY

RECOVERY

LIMITS

4-Bromofluorobenzene (GRO

(75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: I7G260169

Work Order #...: J35VN1AA

Matrix....: WATER

MB Lot-Sample #: 17H030000-206

Prep Date....: 08/01/07 Prep Batch #...: 7215206 Analysis Time..: 11:07

Analysis Date..: 08/01/07

Dilution Factor: 1

•		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B
	PERCENT	RECOVER		
SURROGATE	RECOVERY	LIMITS		
Bromofluorobenzene	107	(81 - 119)		
<pre>a,a,a-Trifluorotoluene (TFT)</pre>	89	(59 - 1	57)	

NOTE(S):

GC Volatiles

Client Lot #...: 17G260169

Work Order #...: J370A1AA

Matrix..... WATER

MB Lot-Sample #: 17H030000-454

Analysis Date..: 08/02/07

Prep Date....: 08/02/07 Prep Batch #...: 7215454

Analysis Time..: 10:59

Dilution Factor: 1

REPORTING

		TUL OILLI	RELORITING			
PARAMETER	RESULT	LIMIT	UNITS	METHOD		
Benzene	ND	1.0	ug/L	SW846 8021B		
Ethylbenzene	ND	1.0	ug/L	SW846 8021B		
Toluene	ND.	1.0	ug/L ·	SW846 8021B		
Xylenes (total)	ND	3.0	ug/L	SW846 8021B		
	PERCENT	RECOVER	Y	•		
SURROGATE	RECOVERY	LIMITS				
Bromofluorobenzene	104	(81 - 119)				
a,a,a-Trifluorotoluene (TFT)	94.	(59 - 157)				

GC Volatiles

Client Lot #...: 17G260169

Work Order #...: J4E241AA

Matrix..... WATER

MB Lot-Sample #: 17H080000-334

Prep Date....: 08/07/07
Prep Batch #...: 7220334

Analysis Time..: 10:14

Analysis Date..: 08/07/07

Dilution Factor: 1

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND .	3.0	ug/L	SW846 8021B
	PERCENT	RECOVERY	Z.	
SURROGATE	RECOVERY	LIMITS		
Bromofluorobenzene	99	(81 - 11	L9)	
a,a,a-Trifluorotoluene (TFT)	98	(59 - 15	57)	,

NOTE(S):

GC Volatiles

Client Lot #...: I7G260169

Work Order #...: J4H8A1AA

Matrix....: WATER

MB Lot-Sample #: I7H090000-413

Prep Date....: 08/08/07 Prep Batch #...: 7221413 Analysis Time..: 09:56

Analysis Date..: 08/08/07

Dilution Factor: 1

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	NĎ	3.0	${\tt ug/L}$	SW846 8021B
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	· .	
Bromofluorobenzene	99	(81 - 13	19) .	
a,a,a-Trifluorotoluene (TFT)	94	(59 - 19	57)	

NOTE(S):

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: 17G260169

Work Order #...: J3N581AA

Matrix....: WATER

MB Lot-Sample #: I7G270000-180

Analysis Date..: 07/31/07

Prep Date....: 07/26/07

Analysis Time..: 01:35

Dilution Factor: 1

Prep Batch #...: 7208180

REPORTING

PARAMETER Diesel Range Organics

RESULT ND

<u>LIM</u>IT 0.050

METHOD UNITS mg/L

SW846 8015B

PERCENT

RECOVERY

RECOVERY LIMITS

89

(48 - 153)

101

(35 - 143)

NOTE(S):

SURROGATE

o-Terphenyl Dotriacontane

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: 17G260169

Work Order #...: J3N6A1AA

Matrix..... WATER

MB Lot-Sample #: I7G270000-183

Prep Date....: 07/26/07
Prep Batch #...: 7208183

Analysis Time..: 04:54

Analysis Date..: 07/31/07

Dilution Factor: 1

		REPORTING				
PARAMETER	RESULT	LIMIT UNITS	METHOD			
Diesel Range Organics	ND	0.050 mg/L	SW846 8015B			
	PERCENT	RECOVERY				
SURROGATE	RECOVERY	LIMITS	-			
o-Terphenyl	89	(48 - 153)				
Dotriacontane	98	(35 - 143)				

NOTE(S):

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 17G260169

Matrix..... WATER

		REPORTING	3		PREPARATION-	PREP
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride		Work Order	#: J35M11AA	MB Lot-Sample #	: I7H030000-140	
	ND	1.0	mg/L	MCAWW 300.0A	08/02/07	7215140
		Dilution Fact	or: 1			
		Analysis Time	: 12:37			
Chloride		Work Order	#: J35M61AA	MB Lot-Sample #	: I7H030000-143	
	ND	1.0	mg/L	MCAWW 300.0A	08/02/07	7215143
		Dilution Fact	or: 1			
		Analysis Time	: 08:09			
NOTE(S):		•				•

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J35TP1AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7H030000-200 J35TP1AD-LCSD

 Prep Date....:
 08/01/07
 Analysis Date..:
 08/01/07

 Prep Batch #...:
 7215200
 Analysis Time..:
 11:34

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	•
PARAMETER	RECOVERY	LIMITS	RPD LIMI	TS METHOD
Gasoline Range Organics	104	(85 - 115)		SW846 8015B
	104	(85 - 115)	0.15 (0-2	0) SW846 8015B
	•			
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
4-Bromofluorobenzene (GRO)		110	(81 - 123)	
		108	(81 - 123)	

NOTE(S):

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

GC Volatiles

Work Order #...: J370J1AC-LCS Client Lot #...: 17G260169 Matrix....: WATER

LCS Lot-Sample#: 17H030000-457 J370J1AD-LCSD

Analysis Date..: 08/02/07 Prep Date....: 08/02/07 Analysis Time..: 12:21

Prep Batch #...: 7215457

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	101	(85 - 115)			SW846 8015B
	99	(85 - 115)	2.4	(0-20)	SW846 8015B
CV		PERCENT	RECOV		
SURROGATE 4-Bromofluorobenzene (GRO)		RECOVERY 104	<u>LIMIT</u> (81 -	<u>S</u> 123)	

103

(81 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results. Bold print denotes control parameters

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J35VN1AC Matrix...... WATER

LCS Lot-Sample#: 17H030000-206

 Prep Date....:
 08/01/07
 Analysis Date..:
 08/01/07

 Prep Batch #...:
 7215206
 Analysis Time..:
 12:57

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
Benzene	93	(78 - 114)	SW846 8021B
Ethylbenzene	98	(87 - 114)	SW846 8021B
Toluene	96	(87 - 115)	SW846 8021B
Xylenes (total)	103	(86 - 119)	SW846 8021B
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
Bromofluorobenzene		110	(85 - 111)
a,a,a-Trifluorotoluene		91	(88 - 110)
(TFT)			

NOTE(S).

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

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J370A1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: I7H030000-454 J370A1AD-LCSD

 Prep Date....:
 08/02/07
 Analysis Date..:
 08/02/07

 Prep Batch #...:
 7215454
 Analysis Time..:
 11:27

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Benzene	104	(78 - 114)		SW846 8021B
	104	(78 - 114)	0.56 (0-20)	SW846 8021B
Ethylbenzene	101	(87 - 114)		SW846 8021B
-	102	(87 - 114)	0.57 (0-20)	SW846 8021B
Toluene	103	(87 - 115)		SW846 8021B
	103	(87 - 115)	0.29 (0-20)	SW846 8021B
Xylenes (total)	99	(86 - 119)		SW846 8021B
•	99	(86 - 119)	0.43 (0-20)	SW846 8021B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzene		105	(85 - 111)	
		104	(85 - 111)	
a,a,a-Trifluorotoluene (TFT)		92	(88 - 110)	
•		94	(88 - 110)	

NOTE(S):

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

GC Volatiles

Client Lot #...: 17G260169 Work Order #...: J4E241AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7H080000-334 . J4E241AD-LCSD

Prep Date....: 08/07/07 Analysis Date..: 08/07/07

Prep Batch #...: 7220334 Analysis Time..: 10:41

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOI)
Benzene	97	(78 ~ 114)			SW846	8021B
	95	(78 - 114)	2.6	(0-20)	SW846	8021B
Ethylbenzene	98	(87 - 114)			SW846	8021B
	96	(87 - 114)	2.0	(0-20)	SW846	8021B
Toluene	100	(87 ~ 115)			SW846	8021B
	98	(87 - 115)	2.0	(0-20)	SW846	8021B
Xylenes (total)	99	(86 - 119)			SW846	8021B
-	98	(86 - 119)	1.6	(0-20)	SW846	8021B
	•	PERCENT	RECOV	7EBV		
SURROGATE		RECOVERY	LIMIT			
	•					
Bromofluorobenzene		102	•	- 111)		
		101	(85 -	- 111)		
a,a,a-Trifluorotoluene (TFT)		99	(88 -	- 110)		
		97	(88 -	- 110)		

NOTE(S):

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

GC Volatiles

Client Lot #...: 17G260169 Work Order #...: J4H8A1AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7H090000-413 J4H8A1AD-LCSD

Prep Date....: 08/08/07 Analysis Date..: 08/08/07 Prep Batch #...: 7221413 Analysis Time..: 10:24

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMI	TS METHOD
Benzene	94	(78 - 114)		SW846 8021B
	94	(78 - 114)	0.57 (0-2	0) SW846 8021B
Ethylbenzene	92	(87 - 114)		SW846 8021B
	94	(87 - 114)	1.6 (0-2	0) SW846 8021B
Toluene	96	(87 - 115)		SW846 8021B
•	96	(87 - 115)	0.61 (0-2	0) SW846 8021B
Xylenes (total)	94	(86 - 119)		SW846 8021B
	95	(86 - 119)	1.4 (0-2	0) SW846 8021B
	•	PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzene		101	(85 - 111)	
		100	(85 - 111)	
a,a,a-Trifluorotoluene (TFT)		97	(88 - 110)	
		97	(88 - 110)	

NOTE(S):

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

GC Semivolatiles

Client Lot #...: 17G260169 Work Order #...: J3N581AC-LCS Matrix...... WATER

LCS Lot-Sample#: I7G270000-180 J3N581AD-LCSD

 Prep Date....:
 07/26/07
 Analysis Date..:
 07/31/07

 Prep Batch #...:
 7208180
 Analysis Time..:
 02:08

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD	
Diesel Range Organics	97	(28 - 121)			SW846 8015B	
	84	(28 ~ 121)	15	(0-20)	SW846 8015B	
		PERCENT	RECOV	ÆRY		
SURROGATE		RECOVERY	LIMIT	rs		
o-Terphenyl		125	(48 -	- 153)		
		109	(48 -	- 153)		

119 100 (35 - 143)

(35 - 143)

NOTE(S):

Dotriacontane

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

GC Semivolatiles

Client Lot #...: I7G260169

Work Order #...: J3N6A1AC-LCS

J3N6A1AD-LCSD

LCS Lot-Sample#: 17G270000-183

Matrix....: WATER

Prep Date....: 07/26/07

Analysis Date..: 07/31/07

Prep Batch #...: 7208183

Analysis Time..: 05:27

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOI	D
Diesel Range Organics	81	(28 - 121)			SW846	8015B
	78	(28 - 121)	4.1	(0-20)	SW846	8015B
		PERCENT	RECOV	ERY		
SURROGATE		RECOVERY	LIMIT	.s		
o-Terphenyl	,	95	(48 -	153)		
		94	(48 -	153)		
Dotriacontane		97	(35 -	143)		
		94	(35 -	- 143)		

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

General Chemistry

Client Lot #...: 17G260169

Matrix....: WATER

PARAMETER Chloride	PERCENT RECOVERY	RECOVERY LIMITS METHOD Work Order #: J35M11AC LCS Lot	PREPARATION- <u>ANALYSIS DATE</u> -Sample#: 17H030000	PREP BATCH #
	95	(90 - 110) MCAWW 300.0A	08/02/07	7215140
		Dilution Factor: 1 Analysis Tir	ne: 12:52	
Chloride		Work Order #: J35M61AC LCS Lot	-Sample#: I7H030000	-143
	95	(90 - 110) MCAWW 300.0A	08/02/07	7215143
		Dilution Factor: 1 Analysis Tir	ne: 08:24	

NOTE(S):

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J3LF91AF-MS Matrix..... WATER

Date Sampled...: 07/25/07 07:50 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Analysis Date..: 08/01/07

Prep Batch #...: 7215200 Analysis Time..: 22:11

Dilution Factor: 1

•	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOI)
Gasoline Range Organics	98	(79 - 124)			SW846	8015B
	98	(79 - 124)	0.62	(0-20)	SW846	8015B
		PERCENT		RECOVERY	•	
SURROGATE	_	RECOVERY		LIMITS	_	
4-Bromofluorobenzene (GRO)	112		(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

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J3LG41AF-MS Matrix..... WATER

Date Sampled...: 07/25/07 09:30 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Analysis Date..: 08/02/07 Prep Batch #...: 7215457 Analysis Time..: 21:57

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	85	(79 - 124)			SW846 8015B
	88	(79 - 124)	3.4	(0-20)	SW846 8015B
	•	PERCENT		RECOVERY	
SURROGATE	_	RECOVERY		LIMITS	· .
4-Bromofluorobenzene (GR	Ö	109		(75 - 122	2)
•	•	106		(75 - 122	2)

NOTE(S):

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

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J3LF41AH-MS Matrix..... WATER

Date Sampled...: 07/25/07 07:40 Date Received..: 07/26/07 08:15

Prep Date....: 08/01/07 Analysis Date..: 08/01/07

Prep Batch #...: 7215206 Analysis Time..: 21:15

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO)
Benzene	101	(78 - 114)			SW846	8021B
	96	(78 - 114)	4.9	(0-20)	SW846	8021B
Ethylbenzene	99	(87 - 117)			SW846	8021B
	99	(87 - 117)	0.18	(0-20)	SW846	8021B
Toluene	99	(87 - 115)			SW846	8021B
	97	(87 - 115)	2.2	(0-20)	SW846	8021B
Xylenes (total)	101	(86 - 119)			SW846	8021B
	101	(86 - 119)	0.42	(0-20)	SW846	8021B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
Bromofluorobenzene		112		(81 - 119	9)	
		112		(81 - 119))	
a,a,a-Trifluorotoluene (TFT)		92		(59 - 157	')	
		89		(59 - 15 7	')	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J3LG21AF-MS Matrix..... WATER

Date Sampled...: 07/25/07 09:05 Date Received..: 07/26/07 08:15

Prep Date....: 08/02/07 Analysis Date..: 08/02/07

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOI	<u> </u>
Benzene	102	(78 - 114)			SW846	8021B
	99	(78 - 114)	3.4	(0-20)	SW846	8021B
Ethylbenzene	95	(87 - 117)			SW846	8021B
	93	(87 - 117)	2.3	(0-20)	SW846	8021B
Toluene	100	(87 - 115)			SW846	8021B
	97	(87 - 115)	2.6	(0-20)	SW846	8021B
Xylenes (total)	95	(86 - 119)			SW846	8021B
	94	(86 - 119)	1.9	(0-20)	SW846	8021B
•					•	
		PERCENT		RECOVERY		
SURROGATE		RECOVERY	- ,	LIMITS	_	
Bromofluorobenzene		105		(81 - 119)	•
		109		(81 - 119)	
a,a,a-Trifluorotoluene (TFT)		95	•	(59 - 157)	
		94		(59 - 157)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J35LP1AC-MS Matrix..... WATER

Date Sampled...: 08/02/07 14:40 Date Received..: 08/03/07 08:00

 Prep Date.....:
 08/07/07
 Analysis Date...:
 08/07/07

 Prep Batch #...:
 7220334
 Analysis Time...:
 16:41

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS_	METHO	D
Benzene	92	(78 - 114)			SW846	8021B
	91	(78 - 114)	0.51	(0-20)	SW846	8021B
Ethylbenzene	91	(87 - 117)			SW846	8021B
_	90	(87 - 117)	0.75	(0-20)	SW846	8021B
Toluene	103	(87 - 115)			SW846	8021B
	90	(87 - 115)	12	(0-20)	SW846	8021B
Xylenes (total)	95	(86 - 119)			SW846	8021B
	94	(86 - 119)	0.79	(0-20)	SW846	8021B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS	_	
Bromofluorobenzene	_	95		(81 - 119)	
		92		(81 - 119)	
a,a,a-Trifluorotoluene (TFT)		108		(59 - 157)	
	·	107		(59 - 157	')	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7G260169 Work Order #...: J33WM1AC-MS Matrix..... WATER

Analysis Time..: 16:16

MS Lot-Sample #: I7H020211-003

J33WM1AD-MSD

Date Sampled...: 08/01/07 13:04 Date Received..: 08/02/07 10:00

Prep Date....: 08/08/07

Analysis Date..: 08/08/07

Prep Batch #...: 7221413
Dilution Factor: 20

PERCENT RECOVERY RPD PARAMETER RECOVERY LIMITS RPD LIMITS METHOD Benzene 82 (78 - 114)SW846 8021B 80 (78 - 114)0.42 (0-20)SW846 8021B Ethylbenzene 94 (87 - 117)SW846 8021B 97 (87 - 117)2.9 (0-20)SW846 8021B Toluene (87 - 115)89 SW846 8021B

 89
 (87 - 115)
 0.0
 (0-20)
 SW846
 8021B

 Xylenes (total)
 93
 (86 - 119)
 SW846
 8021B

 97
 (86 - 119)
 1.8
 (0-20)
 SW846
 8021B

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
Bromofluorobenzene	99	(81 - 119)
	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	120	(59 - 157)
	123	(59 - 157)

NOTE(S)

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

General Chemistry

Client Lot #...: I7G260169 Matrix.....: WATER

Date Sampled...: 08/01/07 10:15 Date Received..: 08/01/07 14:00

	PERCENT	RECOVERY	RPD		PREPARATION-	- PREP
PARAMETER_	RECOVERY	LIMITS	RPD LIMITS	METHOD	ANALYSIS DAT	TE BATCH #
Chloride		WO#:	J3LGD1AF-MS/	J3LGD1AG-MSD MS	Lot-Sample #:	I7G260169-003
	97	(90 - 110)		MCAWW 300.0A	08/02/07	7215140
	97	(90 - 110)	0.03 (0-20)	MCAWW 300.0A	08/02/07	7215140
		Dilut	ion Factor: 20			•
		Analys	sis Time: 13:2	2		
Chloride		WO#:	J31PE1CM-MS/	J31PE1CN-MSD MS	Lot-Sample #:	I7H010279-001
	95	(90 - 110)		MCAWW 300.0A	08/02/07	7215143
	94	(90 - 110)	0.37 (0-20)	MCAWW 300.0A	08/02/07	7215143
		Dilut	ion Factor: 20	*		
		Analy	sis Time: 10:2	2		

NOTE(S):

Report Attachment

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

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

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.

EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.

EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.

Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.

EPA TO-12: Samples not analyzed in duplicate.

EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

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

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

The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

CHAIN-OF-CUSTODY ADDENDUM

Page 1 of 2

			Lot N	0:	742	160	169	
RECEIVED BY:			COCI	NUMBER:		·		
DATE/TIME RECEIVED: 7-26-C	M 8:15		AQUOT	TE/PROFII	Œ:	554	01	
UNPACKED DATE/TIME: 7-26-0	7 0900		log	TE/PROFII	a no	t or	<u> </u>	C j
CLIENT/PROJECT: Fefry Te	ch	•	SAMI	LES LOG	GED IN:	LOC	3-IN REV	'IEWED
Number of Shipping Containers Received with Chain of Custody			· ·	cc		(-ang	
VOC AIR / FILTER SAMPLES	☐ YES SE	CE SE	CTIONS 1.0,	2.0, & 6.0	•			
1.0 CONTAINERS EXAMINED UPON	RECEIPT:		c ==					
Container Sealed: YES	NO (Custod	y Seal Signed/D	ated:		JYES []NO	
Custody Seal Present:	ИО							
If seal not intact list air bill number of that	container(s):			· · · · · · · · · · · · · · · · · · ·				
2.0 VOC CANISTERS EXAMINED UP	ON RECEIPT:							
Canister Valves Closed:	YES NO S	Sample	s Received Mat	—— ch Chain:			☐ YES	NO
<u> </u>		•	Equipment Rece				YES	Пио
	YES NO S	See Ad	ditional Comme	nts (Section	on 5.0 and	/ or 7.0)		□ио
Packing Material Used: (circle)			f-Custody form			•	☐ YES	Пио
None / Absorbent / Paper / Bubble Wrap		Can Siz		☐ 15L	Othe			
3.0 SAMPLE TEMPERATURE UPON Temperature of the container(s):	RECEIPT BY: _	ec		IR T	HERMOI	METER #	#: P	7
Circle selection: TB = Temp. Blank and/o	r SC = Sample Co	ntaine			[ассер	table tolei	ance 4°C	! ± 2°7
	(B)			TB		TB	TB	
sc 21/ c sc 2,50 sc 2,40 sc	3.10 SC3.0	e sc	3,70 sc 2	82 SC		sc	sc	
If temperature is outside acceptable tolera				PM).	Date:	Ti	ime:	
Samples received do not require cooling_		,	OK to analyz	ze samples:	TAYE	з ∏ио		
PRESERVATION OF SAMPLES REQ							<u>-</u>	
NOTE: pH CHECK OF VOLATILE S	AMPLES PERF	ORMI	ED AFTER AN	ALYSIS B	Y THE B	ENCH A	NALYS	Γ.
Base samples are>pH 12: YES	NO A	Acid pr	eserved are <ph< td=""><td>2:</td><td>YE</td><td>в □ио</td><td></td><td></td></ph<>	2:	YE	в □ио		
Cyanide samples checked			samples appear					
for sulfides:	to	o pe bi	eserved with zir	ic acetate:	∐ YE	в □ио		
Samples checked for chlorine per specification (N.C.) YES	F	Free chi	lorine present:		□ YE	з 🗌 ио		
If sample preservation is outside acceptab			-	d (<u> Б</u> 10		
	s		-	-	_ ′			
VOLATILE SAMPLES FILLED COM BUBBLES EXCEEDING 6MM IN DIA		OT, L	IST ID AND H	EADSPAC	CE OF VO	OA's CON	NTAININ	(G
	mm Headspace		Sample ID			mm l	Headspac	e
		_						
		_]
		- 1 1			1			

911.

CHAIN-OF-CUSTODY ADDENDUM

See additional discrepancies/comments section: TYES NO Samples of Chain-of-Custody form properly maintained: TYES NO VOA trip 5.0 ADDITIONAL DISCREPANCIES Appears on COC Appears Sample ID Date/Time Sample ID 6.0 SHIPPING DOCUMENTATION: Air/freight bill is available and attached to COC: TYES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received Samples MW-15 7-21-07 1650, M. 1550, MW-20 7-24-07 1535, MW-21-2-24-05 MW-25 7-24-07 1610, DUP 7-24-07 NoTione, C.O.C.	on Label Date: Date:		ES NO N/
Appears on COC Sample ID Date/Time Sample ID 6.0 SHIPPING DOCUMENTATION: Air/freight bill is available and attached to COC: Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 24/L for Sample M Received Samples Mily 5 7-24-07 1650, M 1550, Mul-20 7-24-07 1535, Mul-21-2-24-05 Mul-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
Sample ID Date/Time Sample ID Date/Time Sample ID 6.0 SHIPPING DOCUMENTATION: Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 24/C for Sample MI Received Samples MW-15 7-24-07 1650, M 1550, MW-20 7-24-07 1535, MW-21-2-24-05 MW-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
6.0 SHIPPING DOCUMENTATION: Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 24/C for sample Mineral and Samples Mineral 7-24-07 1650, mineral 7-24-07 1650, mineral 7-24-07 1650, mineral 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	ill #:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 24/L for sample M. Received Samples MW-15 7-24-07 1650, m. 1550, MW-20 7-24-07 1535, MW-21-2-24-07 MoTione, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 2×16 for sample M Received Samples MW-15 7-24-07 1650, m 1550, MW-20 7-24-07 1535, MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notice, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 24/L for sample M. Received Samples MW-15 7-24-07 1650, m. 1550; MUV-20 7-24-07 1535; MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notice, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received only 24/L for sample M. Received Samples MW-15 7-24-07 1650, m. 1550; MW-20 7-24-07 1535; MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received only 24/L for sample M. Received Samples MW-15 7-24-07 1650, M. 1550, MW-20 7-24-07 1535, MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received only 24/L for sample M. Received Samples MW-15 7-24-07 1650, M. 1550, MW-20 7-24-07 1535, MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received only 24/L for sample M. Received Samples MW-15 7-24-07 1650, M. 1550, MW-20 7-24-07 1535, MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received only 24/L for sample M. Received Samples MW-15 7-24-07 1650, M. 1550, MW-20 7-24-07 1535, MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notione, C.O.C.	Date:		
Air/freight bill is available and attached to COC: YES NO Air bit Hand-delivered Carrier: 7.0 OTHER COMMENTS: Received any 24/L for sample M. Received Samples MW-15 7-24-07 1650, m. 1550; MUV-20 7-24-07 1535; MW-21-2-24-07 MW-25 7-24-07 1610, DUP 7-24-07 Notice, C.O.C.	Date:		
CORRECTIVE ACTION: Client's Name: Client's Name: Sample(s) processed "as is" comments: COC La Desambles emailed to	W-4 1W-16 774 7 1500, Trip Blan circl 13		mw-17 7-2 4-67 1632 not listed o
Samples(s) on hold until:	If released, notify	ÿ:	<u>0</u>
REVIEW: Project Management:		Date: 7 -	-27-07

Revised 04/04/07



CHAIN OF CUSTODY NUMBER \$#012148-001





Severn Trent Laboratories, Inc.

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STL4149 (1202)	1	774260167	167			
troil O	Project Manager	ı	Date	0		ſ
1,000 20 Troph Troph	Gred Pope	p e	0.1	07/13/2007	Page of	7
I coul	Telephone N	Telephone Number (Area Code)/Fax Number		Lab Location	Analysis	
1703 W Industrial Ave	(432)	686-8081 / (000)	Te	TestAmerica Austin	Alialysis	-
State	Zip Code Site Contact				F 1	
Nidland	79701 Greg Pope	ង្			<u>د</u>	
Project Number/Name	Carrier/Waybill Nu	ill Number	29/1 60/0		ا ا ا	
3373 & Hobbs Jct Remediation		15% KA	2000 6000	> 5 2 3 >		
Contract/Purchase Order/Quote Number	TEB /11/000010130037-00040/	/ &:		000TE: 55401	1 0	
Coriotion	Date Time Sample Type	Contain		Condition on Receipt/Comments	<u> </u>	
Nullibel and Description	.7 m.74 c.	Volume AN	Type No.	9,1 7.26-07CE) J	
* MM	3,50		ħ	EE I	XX	*
***	7		110 1		X	
TA CA	7/25/07 750 WATER	11. ANBER	SR 2 None		×	
			4		X X	
	Se Per	250mL PLAS	1		Ď.V.	
mw 26	7/25/07 0820 HATER		7			-
	/ WATER	1	3		T XV	+
	3		1,0		XV A	+
MW 27	7/20/0/40 #ATER	AAMT WEEK	SK 2 NORE		y X X	
	A MATER		TIC 1 None		X	
2000	7/25/67 6850 WATER	П	2		Δ¥	
		40ml VIAL	, 4 1:1 HCJ.		XXX	
7	K WATER	250mL PLAS	PLASTIC 1 None		X	-
		7 60	ONIO OTOB GAR OF	The section of the se		
Special Instructions TPH-GRO & DRO,	o, 8021 BTEX, chioride	JAMFLBK	TO RUD TRIP BEAS	נטנ אט		
Possible Hazard Identification	Poison B Chuknown	Sample Disposal Own Return To Client	nt VDisposal By Lab	Archive For Months	(A fee may be assessed if samples are retained longer than 3 months)	ples are
Time Required	20		roject	Specify)		
	Date	Time	1. Received By		7	13
ARE SOCIETY	7/250	72			0 70-9%-5	872
2. Relinquished By	Date	Time	г. көсөмед Бу		•	
3. Relinquished By	Date	Time	3. Received.By		Date	
Comments						

STL4149 (1202)

CHAIN OF CUSTODY NUMBER

\$0012148-002

SEVERN TRENT

81185

Severn Trent Laboratories, Inc.

32/133 (A fee may be assessed if samples are retained longer than 3 months) B Time Time ō Analysis 1-76-07 Date Date Page. Condition on Receipt/Comments Months 10 7-26-07 TestAmerica Austin SAMPLER TO ADD TRIP BLKS TO COC AS NEEDED QUOTE: 55401 Archive For 5 285 07/13/2007 Lab Location Requirements (Specify) Date Preservative Carrier Waybill Number 5 20 8 8 23 6100 Disposal By Lab 1;1 HCL 1:1 HCL 1:1 HCL 1;1 HCL None 1. Received By No. Project Spacific 3. Received By 2. Received B Telephone Number (Area Code)/Fax Number PLASTIC PLASTIC PLASTIC PLASTIC PLASTIC Type AMBER AMBER AMBER Containers AMBBR ANBER VIAL Return To Client VIAL VIAL VIAL (432) 686-8081 / (000) Sample Disposal 1436 40 mL 250mL 40mL 250mL 40 m L 250mL 250mL Volume 40 m L 250ml 40mL □ *III.* Time OC/Lavel Greg Pope Greg Pope Project Manager R/450TBD..../1/000010130037-00040/ □1. □11. Time | Sample Type J 25 m Site Contact 25/07 1016 WATER YATER WATER TPH-GRO & DRO, 8021 BTBX, chloride Date Poison B lood 7 125/67 1025 200 7/25/07 12/67 7/25/67 79701 Date. Zip Code d Skin Irritant Other_ State ΙI Sample I.D. Number and Description CONTRACT / PURCHASE ORDER # : 3373 E Hobbs Jct Remediation 250 Contract/Purchase Order/Quote Number | Flammable Rush .703 W Industrial Ave Possible Hazard Identification Turn Around Time Required 175/15 4 5VE 10 etra Tech, Inc. Project Number/Name me 18 936 Special Instructions 3. Relinquished By TO W 2. Relinquished By Non-Hazard 35 Normal Comments (idland Address City



CHAIN OF CUSTODY NUMBER

\$6012148-003





Severn Trent Laboratories, Inc.

STL4149 (1202)						List of the state		
Client	-	Project Manager				Date		٢
Tetra Tech, Inc.		Greg Pope				07/13/2007	Page 3 of	
Address		Telephone Number (Area Code)/Fax Number	r (Area Code)/F	ax Number			Analysis	·
1703 W Industrial Ave		(432) 686-8081	8081 / (000)	9)		TestAmerica Austin	200 (mm)	
7.	State Zip Code	Site Contact					는 64 등 64 당 0	
umber/Name	-	Carrier/Waybill Nu	mber	8172	Carrier/Waybill Number 5. 813% / 10.	7.18×	F. S. E. S.	
3373 E Hobbs Jet Remediation			18 6	200	6 1000	2600	2 - 2	
	R/450TBD,/11/000010130037-00040/	0130037-00040/				QUOTE: 55401		
	j	H	Cont	Containers	Drocontatino	on Perents	R R	
Sample I.D. Number and Description			Volume	6	\rightarrow		0 1	
. mw 22	3060 (082K)			AMBER	\dashv	12-14	J	
	, , (,	WATER		VIAL	4 1:1 HCL	SEE HOD	X X	
		- 1	اد	PLASTIC	-+		X	-
mw 13	2/26/07 0930	i		ANBER	S S		\neg	
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. mm 19.	7)25 07 09to	\dashv		AMBER	2 None		X	+
6	7 1 7	WATER	\neg	VIAL	4 1:1 HCL		X X	-
ý	\$7 }	WATER	250nL	PLASTIC	1 None		X	
Dwellett	7/25/07 2	WATER	11	AMBER	2 None		X	
) , ½	WATER		VIAL	4 1:1 HCL		XX	
	* **	WATER	250nL	PLASTIC	1 None		X	
	-	WATER	11.	AKBER	2 None		×	
		WATER	40 m L	VIAL	4 1:1 HCL		X X	
		WATER	250 mL	PLASTIC	1 None		X X	
Special Instructions TPH-GRO &	DRO, 8021 BTEX,	chloride	SA	SAMPLER TO	ADD TRIP BLKS	TO COC AS NEEDED		
Possible Hazard Identification	Skin Irritant Poison B	1	Sample Disposal Return To Client	(0)	Disposal By Lab	hive For	(A fee may be assessed if samples are Months retained longer than 3 months)	amples are ns)
Time Required		₫C Lavel	4	Project &	Project &pebilic Requirements (Specify)	ts (Specify)		
U Kush	l Omer	1		1 Receive	A BV	1	Date	Time
C. Relingsished By C.S. U.S. C.S.		7/15/07	430	1	X		16-07	715
2. Relinquished By		Date	Time	2 Received By	ed By		Date	133
3. Relinquished By		Date	Time	3. Received By	эд Ву		Date	Time
Comments								



Certificate of Analysis

ANALYTICAL REPORT

PROJECT NO. HOBBS, NM 4Q07

03373 E Hobbs Jct Remediation

Lot #: 17J260146

Greg Pope

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

TESTAMERICA LABORATORIES, INC.

Carla M. Butler Project Manager

November 23, 2007

Case Narrative

LOT NUMBER: 17J260146

This report contains the analytical results for the 23 samples received under chain of custody by TestAmerica Laboratories Inc. on October 26, 2007. These samples are associated with your 03373 E Hobbs Jct Remediation project.

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

The MSD for 8021 batch 7309179 was run outside of the 12 hour clock due to the autosampler malfunctioning.

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.

I7J260146

		REPORTING	•	አ እኒአ ፣ እረመ ፓ ረነአ ፣
PARAMETER	RESULT	LIMIT	UNITS	ANALYTICAL METHOD
4 2 11 C 11 11 11 11 11 11 11 11 11 11 11 1	KEBOHI		ONTID	METHOD
MW21 10/24/07 08:30 001	•			
Diesel Range Organics	0.11	0.050	mg/L	SW846 8015B
Chloride	825	100	mg/L	MCAWW 300.0A
MW16 10/24/07 08:55 002				
Chloride	175	100	mg/L	MCAWW 300.0A
,	1,3	100	iig/ L	MCAWW SOU.UA
MW20 10/24/07 09:10 003				
Chloride	142	100	mg/L	MCAWW 300.0A
MW17 10/24/07 09:40 004				
Diesel Range Organics	0.20	0.050	mg/L	SW846 8015B
Chloride	248	100	mg/L	MCAWW 300.0A
	210	100	g/ 1	HORAM SOULOR
MW25 10/24/07 10:00 005				
•				
Diesel Range Organics	0.39	0.050	mg/L	SW846 8015B
Chloride	376	100	mg/L	MCAWW 300.0A
MTT 1 10/24/07 10 25 00C		•		
MW24 10/24/07 10:25 006				
Diesel Range Organics	0.18	0.050	mg/L	SW846 8015B
Gasoline Range Organics	0.12	0.10	mg/L	SW846 8015B
Ethylbenzene	1.7	1.0	ug/L	SW846 8021B
Chloride	190	100	mg/L	MCAWW 300.0A
MW15 10/24/07 10:40 007				
Diesel Range Organics	3.9	0.050	mg/L	CMOAC COLED
Gasoline Range Organics	0.26	0.10	mg/L	SW846 8015B SW846 8015B
Ethylbenzene	3.0	1.0	ug/L	SW846 8021B
Chloride	287	100	mg/L	MCAWW 300.0A
OIII OI I III	207	100	mg/ n	MCHWW JOO.UM
MW4 10/24/07 11:00 008				
• •				
Diesel Range Organics	0.051	0.050	mg/L	SW846 8015B
Chloride	38.5	20.0	mg/L	MCAWW 300.0A
•				

17J260146

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW5 10/24/07 11:20 009				
Diesel Range Organics Chloride	0.33 32.9	0.050 20.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW26 10/24/07 12:55 010				
Diesel Range Organics Chloride	0.39 73.3	0.050 20.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW27 10/24/07 13:15 011				
Diesel Range Organics Chloride	0.22 119	0.050	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW23 10/24/07 13:30 012				
Benzene Ethylbenzene Chloride	1.6 1.0 61.6	1.0 1.0 20.0	ug/L ug/L mg/L	SW846 8021B SW846 8021B MCAWW 300.0A
MW22 10/24/07 13:50 013				
Chloride	75.3	20.0	mg/L	MCAWW 300.0A
MW13 10/24/07 14:15 014				
Diesel Range Organics Chloride	0.086 61.9	0.050 20.0	mg/L mg/L	SW846 8015B MCAWW 300.0A
MW19 10/24/07 14:30 015				·
Chloride	110	20.0	mg/L	MCAWW 300.0A
MW-14 10/25/07 08:30 016				
Diesel Range Organics Gasoline Range Organics Chloride	0.098 0.12 209	0.050 0.10 20.0	mg/L mg/L mg/L	SW846 8015B SW846 8015B MCAWW 300.0A
MW-18 10/25/07 08:45 017				
Diesel Range Organics Gasoline Range Organics Benzene	0.29 7.9 2600	0.050 2.0 20	mg/L mg/L ug/L	SW846 8015B SW846 8015B SW846 8021B

I7J260146

					•				
			REPORTING		ANALYTICAL				
	PARAMETER	RESULT	LIMIT	UNITS	METHOD				
MW-18	MW-18 10/25/07 08:45 017								
	Ethylbenzene	81	20	ug/L	SW846 8021B				
	Xylenes (total)	83 .	3.0	ug/L	SW846 8021B				
	Chloride	219	20.0	mg/L	MCAWW 300.0A				
MW-12	10/25/07 09:00 018								
	Diesel Range Organics	0.60	0.050	mg/L	SW846 8015B				
	Gasoline Range Organics	12	2.5	mg/L	SW846 8015B				
	Benzene	2700	25	ug/L	SW846 8021B				
	Ethylbenzene	96	25	ug/L	SW846 8021B				
	Xylenes (total)	140	3.0	ug/L	SW846 8021B				
	Chloride	211	20.0	mg/L	MCAWW 300.0A				
SVE-1	0 10/25/07 09:25 019								
·	Diesel Range Organics	0.30	0.050	mg/L	SW846 8015B				
	Gasoline Range Organics	0.39	0.10	mg/L	SW846 8015B				
	Ethylbenzene	3.2	1.0	ug/L	SW846 8021B				
	Chloride	227	50.0	mg/L	MÇAWW 300.0A				
MW-6 10/25/07 09:45 020				÷					
	Diesel Range Organics	4.4	0.050	mg/L	SW846 8015B				
	Gasoline Range Organics	4.5	1.0	mg/L	SW846 8015B				
	Benzene	550	10	ug/L	SW846 8021B				
	Ethylbenzene	150	10	ug/L	SW846 8021B				
	Toluene	390	10	ug/L	SW846 8021B				
	Xylenes (total)	180	30	ug/L	SW846 8021B				
	Chloride	170	20.0	mg/L	MCAWW 300.0A				
DUP-1 10/25/07 09:17 021									
	Diesel Range Organics	0.95	0.050	mg/L	SW846 8015B				
	Gasoline Range Organics	14	2.0	mg/L	SW846 8015B				
	Benzene	2900	20	ug/L	SW846 8021B				
	Ethylbenzene	180	1.0	ug/L	SW846 8021B				
	Xylenes (total)	180	3.0	ug/L	SW846 8021B				
	Chloride	187	20.0	mg/L	MCAWW 300.0A				
	•								

17J260146

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD			
DUP-2 10/25/07 09:57 022							
Diesel Range Organics	21	0.50	mg/L	SW846 8015B			
Gasoline Range Organics	8.5	2.0	mg/L	SW846 8015B			
Benzene	930	20	ug/L	SW846 8021B			
Ethylbenzene	220	20	ug/L	SW846 8021B			
Toluene	840	20	ug/L	SW846 8021B			
Xylenes (total)	· 380	60	ug/L	SW846 8021B			
Chloride	155	20.0	mg/L	MCAWW 300.0A			

PREPARATION METHODS SUMMARY

I7J260146

PREPARAT	ION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD		
Chloride Continuou IOWA OA-1 Purge and PURGE AND	d trap	MCAWW 300.0A SW846 3520 SW846 5030B/OA- SW846 5030B SW846 5030	MCAWW 300.0A SW846 8015B OA-1 IOWA OA-1 SW846 8021B SW846 8015B		
References:					
MCAWW	"Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.				
OA-1	"Method for Determination of Volatile Petroleum Hydrocarbons (Gasoline)", Revision July 1, 1991, University Hygienic Laboratory, Iowa City, Iowa.				
SW846	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.				

METHOD / ANALYST SUMMARY

I7J260146

ANALYTIC METHOD	AL	ANALYST	ANALYST ID		
MCAWW 300.0A OA-1 IOWA OA-1 SW846 8015B SW846 8015B SW846 8021B		David A. Tocher Todd Plybon Scott Leslie Todd Plybon Todd Plybon	800002 000059 401008 000059 000059		
Referenc	es:				
MCAWW	"Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.				
OA-1	"Method for Determination of Volatile Petroleum Hydrocarbons (Gasoline)", Revision July 1, 1991, University Hygienic Laboratory, Iowa City, Iowa.				
SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.					

SAMPLE SUMMARY

I7J260146



<u>WO #</u>	SAMPLE#	CLIENT SAMPLE	ID SAMPLED DATE	SAMP TIME
J9W47	001	MW21	10/24/07	08:30
J9W56	002	MW16	10/24/07	08:55
J9W59	003	MW20	10/24/07	09:10
J9W6A	004	MW17	10/24/07	
J9W6D	005	MW25	10/24/07	
J9W6F	006	MW24	10/24/07	
J9W6K	007	MW15	10/24/07	10:40
J9W6M	800	MW4	10/24/07	
J9W6N	009	MW5	10/24/07	11:20
J9W6Q	010	MW26	10/24/07	
J9W6T	011	MW27	10/24/07	13:15
J9W6W	012	MW23	10/24/07	13:30
J9W6X	013	MW22	10/24/07	13:50
J9W60	014	MW13	10/24/07	14:15
J9W62	015	MW19	10/24/07	14:30
J9W63	016	MW-14	10/25/07	08:30
J9W64	017	MW-18	10/25/07	08:45
J9W65	018	MW-12	10/25/07	09:00
J9W66	019	SVE-10	10/25/07	09 05
J9W67	020	MW-6	10/25/07	
J9W68	021	DUP-1	10/25/07	203
J9W69	022	DUP-2	10/25/07	
J9W7C	023	TRIP BLANK	10/25/07	

NOTE(S):

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

QC DATA ASSOCIATION SUMMARY

I7J260146

Sample Preparation and Analysis Control Numbers

		ANALYTICAI	LEACH	PREP	
SAMPLE#	MATRIX	METHOD	BATCH #	BATCH #	MS RUN#
001	WATER	MCAWW 300	.0A	7306102	7306069
	WATER	SW846 8015	5B	7302113	7302074
	WATER	SW846 8015	5B	7305398	7305210
	WATER	SW846 8023	LB	7305394	7305208
002	WATER	MCAWW 300.	. 0A	7306102	7306069
	WATER	SW846 8015	5B	7302113	7302074
	WATER	SW846 8015	5B	7309353	7309205
	WATER	SW846 8021	LB	7305394	7305208
	-				
003	WATER	MCAWW 300.		7306102	7306069
	WATER	SW846 8015		7302113	7302074
	WATER	SW846 8015		7309353	7309205
	WATER	SW846 8021	LB	7305394	7305208
004	WATER	MCAWW 300	0.2	7306102	7306069
004	WATER	SW846 8015		7302113	7302074
	WATER	SW846 8015		7309353	7309205
	WATER	SW846 8021		7305394	7305208
	WAIEK	3040 0021	_13	7505554	7303200
005	WATER	MCAWW 300.	. 0A	7306102	7306069
	WATER	SW846 8015	5B	7302113	7302074
	WATER	SW846 8015	B	7309353	7309205
	WATER	SW846 8021	lB	7305394	7305208
006	WATER	MCAWW 300.		7306102	7306069
	WATER	SW846 8015		7302113	73.02074
	WATER	SW846 8015		7309353	7309205
	WATER	SW846 8021	LB	7305394	7305208
007	WATER	MCAWW 300.	0.2	7306102	7306069
007	WATER	SW846 8015		7302113	7302074
	WATER	SW846 8015		7302313	73092074
	WATER	SW846 8021		7305394	7305208
	WAIEK	50040 6021	LD.	7505554	7505200
008	WATER	MCAWW 300.	. 0A	7306409	7306237
	WATER	SW846 8015	5B	7302113	7302074
	WATER	SW846 8015	5B	7309353	7309205
	WATER	SW846 8021		7305394	7305208
009	WATER	MCAWW 300.	.0A	7306409	7306237
	WATER	SW846 8015	5B	7302113	7302074
	WATER	SW846 8015	5B	7309353	7309205

QC DATA ASSOCIATION SUMMARY

I7J260146

Sample Preparation and Analysis Control Numbers

			•			
		ANALY'	TICAL	LEACH	PREP	
SAMPLE#	MATRIX	METHO	ם	BATCH #	BATCH #	MS RUN#
51111111				DEATON #	DATCH #	#MON CH
009	WATER	SW846	8021B		7305394	7305208
010	MARINA	Maria rara	200 03	•	5000100	
010	WATER		300.0A		7306409	7306237
	WATER		8015B		7302113	7302074
	WATER	SW846	8015B		7309353	7309205
	WATER	SW846	8021B		7305394	7305208
011	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER		8015B		7312135	7312075
	WATER		8021B		7312132	7312073
		2010			1312132	1312012
012	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER	SW846	8015B		7309187	7309103
	WATER	SW846	8021B		7309179	7309100
013	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER	SW846	8015B		7309187	7309103
	WATER	SW846	8021B		7309179	7309100
014	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846			7302113	7302237
	WATER	SW846				•
*	WATER	SW846			7309187	7309103
	MAIDE	20040	0021B		7309179	7309100
015	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER	SW846	8015B		7309187	7309103
	WATER	SW846	8021B		7309179	7309100
01.6	LIA III D	NGC TO EVENT	200 07		ED 0 6 4 0 0	
016	WATER		300.0A		7306409	7306237
	WATER	SW846			7302113	7302074
	WATER	SW846			7309187	7309103
	WATER	SW846	8021B		7309179	7309100
017	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER		8015B		7312135	7312075
	WATER	SW846		i	7312132	7312073
	************	2.10.10			1 3 4 4 4 3 4	1314014

QC DATA ASSOCIATION SUMMARY

17J260146

Sample Preparation and Analysis Control Numbers

		ANALY'	TICAL	LEACH	PREP	
SAMPLE#	MATRIX_	METHO	<u>D</u>	BATCH #	BATCH #	MS RUN#
018	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER	SW846	8015B		7312135	7312075
	WATER	SW846	8021B		7312132	7312072
	WATER	SW846	8021B		7316535	7316361
019	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
•	WATER	SW846	8015B		7312135	7312075
	WATER	SW846	8021B		7316535	7316361
020	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302113	7302074
	WATER	SW846	8015B		7312135	7312075
	WATER	SW846	8021B		7312132	7312072
021	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302116	
	WATER	SW846	8015B		7316524	7316348
	WATER	SW846	8021B		7312132	7312072
	WATER	SW846	8021B		7316535	7316361
022	WATER	MCAWW	300.0A		7306409	7306237
	WATER	SW846	8015B		7302116	
	WATER	SW846	8015B		7316524	7316348
	WATER	SW846	8021B		7316535	7316361
023	WATER	SW846	8021B		7312132	7312072

Client Sample ID: MW21

GC Volatiles

Lot-Sample #...: 17J260146-001 Work Order #...: J9W471AA Matrix..... WATER

mg/L

Date Sampled...: 10/24/07 08:30 Date Received..: 10/26/07 08:30

Prep Date....: 10/29/07 Analysis Date..: 10/29/07

Prep Batch #...: 7305398 Analysis Time..: 20:47

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

PARAMETER RESULT UNITS LIMIT Gasoline Range Organics ND 0.10

PERCENT RECOVERY SURROGATE

RECOVERY LIMITS 4-Bromofluorobenzene (GRO) 108 (75 - 122)

Client Sample ID: MW21

GC Volatiles

Lot-Sample #: I7J260146-001 Work Order #: J9W471AD Matrix:	: WATE	ER.
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Date Sampled...: 10/24/07 08:30 Date Received..: 10/26/07 08:30

 Prep Date.....: 10/29/07
 Analysis Date..: 10/29/07

 Prep Batch #...: 7305394
 Analysis Time..: 20:47

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	•
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	102	(81 - 119)
a.a.a-Trifluorotoluene (TFT)	94	(72 - 127))

Client Sample ID: MW21

GC Semivolatiles

Lot-Sample #: I7J260146-001 Date Sampled: 10/24/07 08:30 Prep Date: 10/28/07 Prep Batch #: 7302113 Dilution Factor: 1	Work Order #: Date Received: Analysis Date: Analysis Time:	10/26/07 0 11/02/07		WATER
	Method:	SW846 8015	В	
DAD MEMOR		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	
Diesel Range Organics	0.11	0.050	mg/L	
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
o-Terphenyl	78	(48 - 153)		
Dotriacontane	90	(35 - 143)		
20022400110	30	(22 - TA2)		

Client Sample ID: MW21

General Chemistry

Lot-Sample #...: 17J260146-001

Work Order #...: J9W47

Matrix....: WATER

Date Sampled...: 10/24/07 08:30 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 825
 100
 mg/L
 MCAWW 300.0A
 11/01/07
 7306102

Dilution Factor: 100 Analysis Time..: 13:23

Client Sample ID: MW16

GC Volatiles

Lot-Sample #: 17J260146-002 W	Work Order #:	J9W561AA	Matrix	WATER
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Date Sampled...: 10/24/07 08:55 Date Received..: 10/26/07 08:30

 Prep Date....:
 11/01/07
 Analysis Date..:
 11/01/07

 Prep Batch #...:
 7309353
 Analysis Time..:
 12:59

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

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

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

Client Sample ID: MW16

GC Volatiles

Lot-Sample #:	I7J260146-002	Work Order #	.: J9W561AD	Matrix:	WATER
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Date Sampled...: 10/24/07 08:55 Date Received..: 10/26/07 08:30

 Prep Date.....: 10/29/07
 Analysis Date..: 10/29/07

 Prep Batch #...: 7305394
 Analysis Time..: 21:16

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	104	(81 - 119)	
a a a-Trifluorotoluene (TFT)	89	(72 - 127)	

Client Sample ID: MW16

GC Semivolatiles

Lot-Sample #: I7J260146-002 Work Order #: J9	9W561AC Matrix	WATER
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Date Sampled...: 10/24/07 08:55 Date Received..: 10/26/07 08:30

Prep Date....: 10/28/07 Analysis Date..: 11/02/07

Prep Batch #...: 7302113 Analysis Time..: 15:04

Dilution Factor: 1

Method..... SW846 8015B

REPORTING

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

 SURROGATE
 RECOVERY

 o-Terphenyl
 87
 (48 - 153)

 Dotriacontane
 94
 (35 - 143)

7306102

ConocoPhillips Company

Client Sample ID: MW16

General Chemistry

Lot-Sample #...: I7J260146-002

PARAMETER

Work Order #...: J9W56

UNITS

Matrix....: WATER

Date Sampled...: 10/24/07 08:55 Date Received..: 10/26/07 08:30

RL

PREPARATION-PREP ANALYSIS DATE BATCH #

11/01/07

RESULT Chloride 175 100 mg/L Dilution Factor: 100

MCAWW 300.0A Analysis Time..: 14:08

METHOD

Client Sample ID: MW20

GC Volatiles

Lot-Sample #: I7J260146-003	Work Order #:	J9W591AA	Matrix:	WATER
Date Sampled: 10/24/07 09:10	Date Received:	10/26/07 08:30)	
Prep Date: 11/01/07	Analysis Date:	11/01/07	•	
Prep Batch #: 7309353	Analysis Time:	13:27		
Dilution Factor: 1				
. •	Method:	SW846 8015B		
		REPORTING		
PARAMETER	RESULT	LIMIT UNI	TS	•
Gasoline Range Organics	ND	0.10 mg/	L	
	D₽D/₽₩₩	DECOMEDY.		

LIMITS

(75 - 122)

RECOVERY

93

4-Bromofluorobenzene (GRO)

Client Sample ID: MW20

GC Volatiles

Lot-Sample #:	I7J260146-003	Work Order #.	: J9W591AD	Matrix:	WATER
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Date Sampled...: 10/24/07 09:10 Date Received..: 10/26/07 08:30

 Prep Date.....: 10/29/07
 Analysis Date..: 10/29/07

 Prep Batch #...: 7305394
 Analysis Time..: 21:44

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Bromofluorobenzene	103	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	93	(72 - 127)	

Client Sample ID: MW20

GC Semivolatiles

Lot-Sample #: I7J260146-003 Date Sampled: 10/24/07 09:10 Prep Date: 10/28/07 Prep Batch #: 7302113 Dilution Factor: 1	Work Order #: Date Received: Analysis Date: Analysis Time:	10/26/07 08:30 11/02/07	Matrix:	WATER
	Method:	SW846 8015B		
PARAMETER Diesel Range Organics	RESULT ND	REPORTING LIMIT UNIT 0.050 mg/L		
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	•	

(48 - 153)

(35 - 143)

80

90

o-Terphenyl

Dotriacontane

Client Sample ID: MW20

General Chemistry

Lot-Sample #...: I7J260146-003

Work Order #...: J9W59 Matrix....: WATER

Date Sampled...: 10/24/07 09:10 Date Received..: 10/26/07 08:30

					PREPARATION-	PKEP
PARAMETER	RESULT	RL	UNITS	METHOD_	ANALYSIS DATE	BATCH #
Chloride	142	100	mq/L	MCAWW 300.0A	11/01/07	7306102

Dilution Factor: 100

Analysis Time..: 14:23

Client Sample ID: MW17

GC Volatiles

Lot-Sample #:	I7J260146-004	Work	Order #:	J9W6A1AA		Matrix:	WATER
Date Sampled:	10/24/07 09:40	Date	Received .	10/26/07	08.30		

Prep Date....: 11/01/07 Analysis Date..: 11/01/07 Analysis Time..: 13:56 Prep Batch #...: 7309353

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING LIMIT PARAMETER RESULT UNITS Gasoline Range Organics

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

Client Sample ID: MW17

GC Volatiles

Lot-Sample #:	I7J260146-004	Work Order	#: J9W6A1AD	Matrix:	WATER

Date Sampled...: 10/24/07 09:40 Date Received..: 10/26/07 08:30

Prep Date....: 10/29/07 Analysis Date..: 10/29/07 Analysis Time..: 22:11

Prep Batch #...: 7305394

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	107	(81 - 119)	•
a.a.a-Trifluorotoluene (TFT)	97	(72 - 127)	

Client Sample ID: MW17

GC Semivolatiles

Lot-Sample #: 17J260146-004 Date Sampled: 10/24/07 09:40 Prep Date: 10/28/07 Prep Batch #: 7302113 Dilution Factor: 1		10/26/07 0 11/02/07	Matrix: WATER 8:30
·	Method:	SW846 8015	В
PARAMETER Diesel Range Organics	RESULT 0.20	REPORTING LIMIT 0.050	UNITS mg/L
SURROGATE o-Terphenyl	PERCENT RECOVERY 88	RECOVERY LIMITS (48 - 153)	

(35 - 143)

92

Dotriacontane

Client Sample ID: MW17

General Chemistry

Lot-Sample #...: 17J260146-004

Work Order #...: J9W6A

Matrix..... WATER

Date Sampled...: 10/24/07 09:40 Date Received..: 10/26/07 08:30

PREP PREPARATION-

PARAMETER RESULT ANALYSIS DATE BATCH # Chloride 248 100 mg/L MCAWW 300.0A 11/01/07 7306102

> Dilution Factor: 100 Analysis Time..: 14:38

Client Sample ID: MW25

GC Volatiles

Lot-Sample #: 17J260146-005 Date Sampled: 10/24/07 10:00 Prep Date: 11/01/07 Prep Batch #: 7309353		10/26/07 0: 11/01/07	Matrix: WATER
Dilution Factor: 1			
	Method:	SW846 8015	3
·		REPORTING	
PARAMETER	RESULT	TIMIL.	UNITS
Gasoline Range Organics	ND	0.10	mg/L
		•	
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

(75 ~ 122)

4-Bromofluorobenzene (GRO)

Client Sample ID: MW25

GC Volatiles

Lot-Sample #:	I7J260146-005	Work Order #:	J9W6D1AD	Matrix:	WATER
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Date Sampled...: 10/24/07 10:00 Date Received..: 10/26/07 08:30

 Prep Date....: 10/29/07
 Analysis Date..: 10/29/07

 Prep Batch #...: 7305394
 Analysis Time..: 22:39

Dilution Factor: 1

Method.....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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	
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	104	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	92	(72 - 127)	

Client Sample ID: MW25

GC Semivolatiles

Lot-Sample #: 17J260146-005 Date Sampled: 10/24/07 10:00	Date Received:	10/26/07 08:30	WATER
Prep Date: 10/28/07	Analysis Date:	11/02/07	
Prep Batch #: 7302113	Analysis Time:	16:43	
Dilution Factor: 1			
	Method:	SW846 8015B	
		REPORTING	
PARAMETER	RESULT	LIMIT UNITS	
Diesel Range Organics	0.39	0.050 mg/L	
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

(48 - 153) (35 - 143)

88

93

o-Terphenyl

Dotriacontane

Client Sample ID: MW25

General Chemistry

Lot-Sample #...: 17J260146-005

Work Order #...: J9W6D

Matrix..... WATER

Date Sampled...: 10/24/07 10:00 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 376
 100
 mg/L
 MCAWW 300.0A
 11/01/07
 7306102

Dilution Factor: 100

Analysis Time..: 14:53

Client Sample ID: MW24

GC Volatiles

Lot-Sample #...: I7J260146-006 Work Order #...: J9W6F1AA Matrix..... WATER

Date Sampled...: 10/24/07 10:25 Date Received..: 10/26/07 08:30

Prep Date....: 11/01/07

Prep Batch #...: 7309353

Dilution Factor: 1

Analysis Date..: 11/01/07 Analysis Time..: 14:53

Method..... SW846 8015B

UNITS

mg/L

REPORTING

PARAMETER RESULT LIMIT Gasoline Range Organics

0.12 0.10

RECOVERY

PERCENT SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 99 (75 - 122)

Client Sample ID: MW24

GC Volatiles

Lot-Sample #...: I7J260146-006 Work Order #...: J9W6F1AD Matrix.....: WATER

Date Sampled...: 10/24/07 10:25 Date Received..: 10/26/07 08:30

 Prep Date.....:
 10/29/07
 Analysis Date...:
 10/29/07

 Prep Batch #...:
 7305394
 Analysis Time...:
 23:07

Dilution Factor: 1

Method....: SW846 8021B

		REPORTIN	r G
PARAMETER	RESULT	LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	1.7	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	104	(81 - 11	9)
a.a.a-Trifluorotoluene (TFT)	7.1.1	(72 - 12	7)

Client Sample ID: MW24

GC Semivolatiles

Lot-Sample #: 17J260146-006 Date Sampled: 10/24/07 10:25 Prep Date: 10/28/07 Prep Batch #: 7302113	••	10/26/07 0 11/02/07	Matrix: WATER 8:30
Dilution Factor: 1	•	•	•
	Method:	SW846 8015	B
	'		
•		REPORTING	·
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.18	0.050	mg/L
	PERCENT	RECOVERY	·
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	86	(48 - 153)	·
Dotriacontane	93	(35 - 143)	

Client Sample ID: MW24

General Chemistry

Lot-Sample #...: I7J260146-006

Work Order #...: J9W6F

Matrix....: WATER

Date Sampled...: 10/24/07 10:25 Date Received..: 10/26/07 08:30

PREPARATION-PREP PARAMETER ANALYSIS DATE BATCH # 190 100 11/01/07 Chloride MCAWW 300.0A 7306102 mg/L

> Dilution Factor: 100 Analysis Time..: 15:08

Client Sample ID: MW15

GC Volatiles

rot-sample #:	173260146-007	Work Order #:	J9W6K1AA	Matrix:	WATER
Date Sampled:	10/24/07 10:40	O Date Received:	10/26/07 08:30	•	

Prep Date....: 11/01/07 Analysis Date..: 11/01/07 Prep Batch #...: 7309353 Analysis Time..: 15:23

Dilution Factor: 1

Method....: SW846 8015B

(75 - 122)

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Gasoline Range Organics	0.26	0.10	mg/L
	PERCENT '	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
4-Bromofluorobenzene (GRO)	103	(75 - 122)	

Client Sample ID: MW15

GC Volatiles

Lot-Sample #: 17J260146-0	7 Work Order #: J9W6K1AD	Matrix WATER
---------------------------	--------------------------	--------------

Date Sampled...: 10/24/07 10:40 Date Received..: 10/26/07 08:30

 Prep Date....:
 10/29/07
 Analysis Date..:
 10/29/07

 Prep Batch #...:
 7305394
 Analysis Time..:
 23:35

Dilution Factor: 1

PARAMETER

Method.....: SW846 8021B

	REPORTING		
RESULT	LIMIT	UNITS	
ND	1.0	ug/L	
3.0	1.0	ug/L	

 Benzene
 ND
 1.0
 ug/L

 Ethylbenzene
 3.0
 1.0
 ug/L

 Toluene
 ND
 1.0
 ug/L

 Xylenes (total)
 ND
 3.0
 ug/L

		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
Bromofluorobenzene		104	(81 - 119)
a,a,a-Trifluorotoluene	(TFT)	104	(72 - 127)

Client Sample ID: MW15

GC Semivolatiles

Lot-Sample #: 17J260146-007			Matrix: WATER
Date Sampled: 10/24/07 10:40			8:30
Prep Date: 10/28/07	Analysis Date:	11/02/07	
Prep Batch #: 7302113	Analysis Time:	17:49	
Dilution Factor: 1	-		
	Method:	SW846 8015	В
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	3.9	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	

(48 - 153)

(35 - 143)

94

96

o-Terphenyl

Dotriacontane

Client Sample ID: MW15

General Chemistry

Lot-Sample #...: I7J260146-007 Work Order #...: J9W6K

Matrix....: WATER

Date Sampled...: 10/24/07 10:40 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS
 DATE
 BATCH #

 Chloride
 287
 100
 mg/L
 MCAWW 300.0A
 11/01/07
 7306102

Dilution Factor: 100 Analysis Time..: 15:23

Client Sample ID: MW4

GC Volatiles

Lot-Sample #: I7J260146-0	08 Work Order #:	J9W6M1AA	Matrix:	WATER
Date Sampled: 10/24/07 11	:00 Date Received:	10/26/07 08:30		
Prep Date: 11/01/07	Analysis Date:	11/01/07		
Prep Batch #: 7309353	Analysis Time:	15:51		
Dilution Factor: 1				
	Method	SW846 8015B		
		REPORTING	· .	
PARAMETER	RESULT	LIMIT UNI	ITS	
Gasoline Range Organics	ND	0.10 mg/	' L	

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

Client Sample ID: MW4

GC Volatiles

Lot-Sample #...: I7J260146-008 Work Order #...: J9W6M1AD Matrix...... WATER

Date Sampled...: 10/24/07 11:00 Date Received..: 10/26/07 08:30

Prep Date....: 10/29/07 Analysis Date..: 10/30/07 Prep Batch #...: 7305394 Analysis Time..: 00:03

Dilution Factor: 1

Method..... SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	105	(81 - 119))
a,a,a-Trifluorotoluene (TFT)	95	(72 - 127)) .

Client Sample ID: MW4

GC Semivolatiles

Lot-Sample #: I7J260146-008	Work Order #: J9W6M1AC	Matrix WATER
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Date Sampled...: 10/24/07 11:00 Date Received..: 10/26/07 08:30

Prep Date....: 10/28/07

Prep Batch #...: 7302113

Dilution Factor: 1

Analysis Date..: 11/02/07 Analysis Time..: 18:22

Method..... SW846 8015B

PARAMETER Diesel Range Organics	RESULT 0.051	REPORTING LIMIT 0.050	UNITS mg/L
	PERCENT	, RECOVERY	,
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	70	(48 - 153)	
Dotriacontane	73	(35 - 143)	•

Client Sample ID: MW4

General Chemistry

Lot-Sample #...: 17J260146-008

Work Order #...: J9W6M

Matrix..... WATER

Date Sampled...: 10/24/07 11:00 Date Received..: 10/26/07 08:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	38.5	20.0	mg/L or: 20	MCAWW 300.0A Analysis Time: 08:45	11/02/07	7306409

Client Sample ID: MW5

GC Volatiles

Lot-Sample #: 17J260146-009	Work Order #: J9W6N1AA	Matrix: WATER

Date Sampled...: 10/24/07 11:20 Date Received..: 10/26/07 08:30

Prep Date....: 11/01/07 Analysis Date..: 11/01/07
Prep Batch # . 7309353 Analysis Time . 16:21

Prep Batch #...: 7309353 Analysis Time..: 16:21 Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETERRESULTLIMITUNITSGasoline Range OrganicsND0.10mg/L

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

Client Sample ID: MW5

GC Volatiles

Lot-Sample #: I7J260146-009	Work Order #: J9W6N1AD	Matrix WATER
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Date Sampled...: 10/24/07 11:20 Date Received..: 10/26/07 08:30

 Prep Date....: 10/29/07
 Analysis Date..: 10/30/07

 Prep Batch #...: 7305394
 Analysis Time..: 00:31

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	· _
Bromofluorobenzene	104	(81 - 119)	•
a,a,a-Trifluorotoluene (TFT)	95	(72 - 127)	•

Client Sample ID: MW5

GC Semivolatiles

Lot-Sample #: I7J260146-009 Date Sampled: 10/24/07 11:20 Prep Date: 10/28/07 Prep Batch #: 7302113		10/26/07 (11/02/07	Matrix: WATER
Dilution Factor: 1	Analysis lime:	18:55	•
DITUCION FUCCOI.	Method:	SW846 801	5B
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.33	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	89	(48 - 153)	•

(35 - 143)

93

Dotriacontane

Client Sample ID: MW5

General Chemistry

Lot-Sample #...: I7J260146-009

Work Order #...: J9W6N

Matrix..... WATER

Date Sampled...: 10/24/07 11:20 Date Received..: 10/26/07 08:30

PREPARATION-PREP

PARAMETER Chloride

RESULT

32.9

20.0 mg/L

MCAWW 300.0A

ANALYSIS DATE BATCH # 11/02/07 7306409

Dilution Factor: 20

Analysis Time..: 09:30

Client Sample ID: MW26

GC Volatiles

Lot-Sample #:	I7J260146-010	Work Orde	er #:	J9W6Q1AA		Matrix:	WATER
Date Sampled:	10/24/07 12:55	Date Rece	eived:	10/26/07	08:30		
Prep Date:	11/01/07	Analysis	Date:	11/01/07			
Prep Batch #:	7309353	Analysis	Time:	16:51		•	
Dilution Factor:	1						
		Method	:	SW846 803	L5B		
							•
				REPORTING	Ē		
PARAMETER		RESULT		LIMIT	UNI	rs	
Gasoline Range O	rganics	ND		0.10	mg/]	L	,
		PERCENT		RECOVERY			

LIMITS

(75 - 122)

RECOVERY

SURROGATE

4-Bromofluorobenzene (GRO)

Client Sample ID: MW26

GC Volatiles

Lot-Sample #...: 17J260146-010 Work Order #...: J9W6Q1AD Matrix..... WATER

Date Sampled...: 10/24/07 12:55 Date Received..: 10/26/07 08:30

Prep Date....: 10/29/07 Analysis Date..: 10/30/07 Prep Batch #...: 7305394 Analysis Time..: 00:58

Dilution Factor: 1

Method...... SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	104	(81 - 119)	
a.a.a-Trifluorotoluene (TFT)	95	(72 - 127)	

Client Sample ID: MW26

GC Semivolatiles

Lot-Sample #:						Matrix:	WATER
Date Sampled:	10/24/07 12:55	Date	Received:	10/26/07	08:30		
Pren Date .	10/28/07	Analz	reie Date .	11/02/07			

 Prep Date....: 10/28/07
 Analysis Date..: 11/02/07

 Prep Batch #...: 7302113
 Analysis Time..: 19:28

Dilution Factor: 1

Method..... SW846 8015B

PARAMETER Diesel Range Organics	RESULT 0.39	REPORTING LIMIT 0.050	UNITS mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	92	(48 - 153)	-
Dotriacontane	99	(35 - 143)	

Client Sample ID: MW26

General Chemistry

Lot-Sample #...: 17J260146-010 Work Order #...: J9W6Q Matrix....: WATER

Date Sampled...: 10/24/07 12:55 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 73.3
 20.0
 mg/L
 MCAWW 300.0A
 11/02/07
 7306409

Dilution Factor: 20 Analysis Time..: 09:45

Client Sample ID: MW27

GC Volatiles

Lot-Sample #: 17J260146-0	ll Work Order #: J9W6T1AA	Matrix WATER
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Date Sampled...: 10/24/07 13:15 Date Received..: 10/26/07 08:30

Prep Date....: 11/05/07 Analysis Date..: 11/05/07 Prep Batch #...: 7312135 Analysis Time..: 16:16

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETERRESULTLIMITUNITSGasoline Range OrganicsND0.10mg/L

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

Client Sample ID: MW27

GC Volatiles

Lot-Sample #...: 17J260146-011 Work Order #...: J9W6T1AD Matrix..... WATER

Date Sampled...: 10/24/07 13:15 Date Received..: 10/26/07 08:30

 Prep Date.....: 11/05/07
 Analysis Date..: 11/05/07

 Prep Batch #...: 7312132
 Analysis Time..: 16:16

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(72 - 127))

Client Sample ID: MW27

GC Semivolatiles

Lot-Sample #: I7J260146-011 Work Order #: J9W6T1AC Matrix	.: WATER
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Date Sampled...: 10/24/07 13:15 Date Received..: 10/26/07 08:30

Prep Date....: 10/28/07 Analysis Date..: 11/02/07 Prep Batch #...: 7302113

Analysis Time..: 20:01

Dilution Factor: 1

Method..... SW846 8015B

PARAMETER Diesel Range Organics	RESULT 0.22	REPORTING LIMIT 0.050	UNITS mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	84 .	(48 - 153)	
Dotriacontane	92	(35 - 143)	

Client Sample ID: MW27

General Chemistry

Lot-Sample #...: I7J260146-011

Work Order #...: J9W6T

Matrix..... WATER

Date Sampled...: 10/24/07 13:15 Date Received..: 10/26/07 08:30

PREPARATION-PREP METHOD PARAMETER ANALYSIS DATE BATCH # RESULT UNITS Chloride 119 20.0 MCAWW 300.0A 11/02/07 7306409 mg/L

> Dilution Factor: 20 Analysis Time..: 10:00

Client Sample ID: MW23

GC Volatiles

Lot-Sample #: 17J260146-012 Date Sampled: 10/24/07 13:30 Prep Date: 10/31/07 Prep Batch #: 7309187		10/26/07 08 10/31/07	
Dilution Factor: 1	Method:	SW846 8015E	3
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Gasoline Range Organics	ND	0.10	mg/L
- -	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
			

4-Bromofluorobenzene (GRO)

Client Sample ID: MW23

GC Volatiles

Lot-Sample #...: 17J260146-012 Work Order #...: J9W6W1AD Matrix...... WATER

Date Sampled...: 10/24/07 13:30 Date Received..: 10/26/07 08:30

Prep Date....: 10/31/07
Prep Batch #...: 7309179

Analysis Date..: 10/31/07 Analysis Time..: 20:55

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER '	RESULT	LIMIT	UNITS
Benzene	1.6	1.0	ug/L
Ethylbenzene	1.0	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
	PERCENT	RECOVERY	•.
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	102	(81 - 119))
a,a,a-Trifluorotoluene (TFT)	93	(72 - 127))

Client Sample ID: MW23

GC Semivolatiles

Lot-Sample #:	I7J260146-012	Work Order #:	J9W6W1AC	Matrix:	WATER
Date Sampled:	10/24/07 13:30	Date Received:	10/26/07 08:30		
Prep Date:	10/28/07	Analysis Date:	11/02/07		
Prep Batch #:	7302113	Analysis Time:	20:34	, •	
Dilution Factor.	1 .			•	

Method.....: SW846 8015B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	ND	0.050	mg/L
•	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
o-Terphenyl	80	(48 - 153)	•
Dotriacontane	87	(25 _ 1/2)	

Client Sample ID: MW23

General Chemistry

Lot-Sample #...: I7J260146-012 Work Order #...: J9W6W

Matrix..... WATER

Date Sampled...: 10/24/07 13:30 Date Received..: 10/26/07 08:30

Chloride	61.6	20.0	mor/T.	MCAWW 300 0A	11/02/07	7306409
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
•				•	PREPARATION-	PREP

Dilution Factor: 20

Analysis Time..: 10:15

Client Sample ID: MW22

GC Volatiles

Lot-Sample #: I7J260146-013	Work Order #:	J9W6X1AA	Matrix:	WATER
Date Sampled: 10/24/07 13:50	Date Received:	10/26/07 08	:30	
Prep Date: 10/31/07	Analysis Date:	10/31/07		
Prep Batch #: 7309187	Analysis Time:	21:23		
Dilution Factor: 1				
,	Method:	SW846 8015B	1	
	•			*
•	•	REPORTING		
PARAMETER	RESULT	LIMIT	<u>UNITS</u>	
Gasoline Range Organics	ND	0.10	mg/L	
	· ·			
·	PERCENT	RECOVERY		

LIMITS

RECOVERY

91

SURROGATE

4-Bromofluorobenzene (GRO)

Client Sample ID: MW22

GC Volatiles

Lot-Sample #...: I7J260146-013 Work Order #...: J9W6X1AD Matrix...... WATER

Date Sampled...: 10/24/07 13:50 Date Received..: 10/26/07 08:30

 Prep Date.....:
 10/31/07
 Analysis Date..:
 10/31/07

 Prep Batch #...:
 7309179
 Analysis Time..:
 21:23

Dilution Factor: 1

Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	107	(81 - 119)	_
a,a,a-Trifluorotoluene (TFT)	94 ·	(72 - 127)	

Client Sample ID: MW22

GC Semivolatiles

Lot-Sample #:	I7J260146-013	Work	Order #:	J9W6X1AC		Matrix:	WATER
Date Sampled:	10/24/07 13:50	Date	Received:	10/26/07	08:30		

Prep Date....: 10/28/07 Analysis Date..: 11/02/07

Prep Batch #...: 7302113 Analysis Time..: 21:06
Dilution Factor: 1

Method.....: SW846 8015B

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

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 83
 (48 - 153)

 Dotriacontane
 90
 (35 - 143)

Client Sample ID: MW22

General Chemistry

Lot-Sample #...: 17J260146-013

Work Order #...: J9W6X

Matrix....: WATER

Date Sampled...: 10/24/07 13:50 Date Received..: 10/26/07 08:30

PREPARATION-PREP METHOD ANALYSIS DATE BATCH # PARAMETER RESULT RLUNITS Chloride 75.3 20.0 mg/L MCAWW 300.0A 11/02/07 7306409

Dilution Factor: 20

Analysis Time..: 10:30

Client Sample ID: MW13

GC Volatiles

Lot-Sample #:	I7J260146-014 \	Work Ord	ler #:	J9W601AA		Matrix:	WATER
Date Campled .	10/24/07 14.15 1	Date Dec	. borrior	10/26/07	00.20		

Date Sampled...: 10/24/07 14:15 Date Received..: 10/26/07 08:30

Prep Date....: 10/31/07 Analysis Date..: 10/31/07 Prep Batch #...: 7309187 Analysis Time..: 21:51

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

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

Client Sample ID: MW13

GC Volatiles

Lot-Sample #...: I7J260146-014 Work Order #...: J9W601AD Matrix.....: WATER

Date Sampled...: 10/24/07 14:15 Date Received..: 10/26/07 08:30

 Prep Date....:
 10/31/07
 Analysis Date..:
 10/31/07

 Prep Batch #...:
 7309179
 Analysis Time..:
 21:51

Dilution Factor: 1

Method....: SW846 8021B

	,	REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	105	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	96	(72 - 127)	

Client Sample ID: MW13

GC Semivolatiles

Lot-Sample #: I7J260146-014 Date Sampled: 10/24/07 14:15 Prep Date: 10/28/07 Prep Batch #: 7302113 Dilution Factor: 1		10/26/07 0 11/02/07	Matrix: WATER 8:30
	Method:	SW846 8015	В
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.086	0.050	mg/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
o-Terphenyl	83	(48 - 153)	
Dotriacontane	90	(35 - 143)	

Client Sample ID: MW13

General Chemistry

Lot-Sample #...: I7J260146-014

Work Order #...: J9W60

Matrix..... WATER

Date Sampled...: 10/24/07 14:15 Date Received..: 10/26/07 08:30

PREPARATION-PREP PARAMETER RESULT UNITS ANALYSIS DATE BATCH # METHOD Chloride 61.9 20.0 mg/L MCAWW 300.0A 11/02/07 7306409

Dilution Factor: 20

Analysis Time..: 11:15

Client Sample ID: MW19

GC Volatiles

Lot-Sample #: 17J260146-015 Work Order #: J9W621AA Matrix WA	Order #: J9W621AA Matrix: WATER
--	---------------------------------

Date Sampled...: 10/24/07 14:30 Date Received..: 10/26/07 08:30

Prep Date....: 10/31/07 Analysis Date..: 10/31/07

Prep Batch #...: 7309187 Analysis Time..: 22:19

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT Gasoline Range Organics ND0.10

PERCENT RECOVERY SURROGATE RECOVERY LIMITS

4-Bromofluorobenzene (GRO) 92 (75 - 122)

Client Sample ID: MW19

GC Volatiles

Lot-Sample #...: 17J260146-015 Work Order #...: J9W621AD Matrix...... WATER

Date Sampled...: 10/24/07 14:30 Date Received..: 10/26/07 08:30

Dilution Factor: 1

Method:....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	103	. (81 - 119)	<u>-</u>
a.a.a-Trifluorotoluene (TFT)	94	(72 - 127)	l.

Client Sample ID: MW19

GC Semivolatiles

Lot-Sample #: 17J260146-0	5 Work Order #: J9W621AC	Matrix WATER
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Date Sampled...: 10/24/07 14:30 Date Received..: 10/26/07 08:30

 Prep Date....: 10/28/07
 Analysis Date..: 11/02/07

 Prep Batch #...: 7302113
 Analysis Time..: 22:46

Dilution Factor: 1

Method.....: SW846 8015B

•		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS

Diesel Range Organics ND 0.050 mg/L

 SURROGATE
 RECOVERY
 RECOVERY
 LIMITS

 o-Terphenyl
 86
 (48 - 153)

 Dotriacontane
 94
 (35 - 143)

Client Sample ID: MW19

General Chemistry

Lot-Sample #...: 17J260146-015 Work Order #...: J9W62 Matrix.....: WATER

Date Sampled...: 10/24/07 14:30 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 110
 20.0
 mg/L
 MCAWW 300.0A
 11/02/07
 7306409

Dilution Factor: 20 Analysis Time..: 13:29

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #:	I7J260146-016	Work Order #:	J9W631AA	Matrix WATER
Date Sampled:	10/25/07 08:30	Date Received:	10/26/07 0	8:30
Prep Date:	10/31/07	Analysis Date:	10/31/07	
Prep Batch #:	7309187	Analysis Time:	22:47	
Dilution Factor:	1	•		
		Method:	SW846 8015	B
		,	REPORTING	
PARAMETER		RESULT	LIMIT	UNITS
Gasoline Range On	rganics	0.12	0.10	mg/L
			•	
		PERCENT	RECOVERY	

RECOVERY

SURROGATE

4-Bromofluorobenzene (GRO)

LIMITS (75 - 122)

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #:	I7J260146-016	Work Order #: J9W631AD	Matrix:	WATER
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Date Sampled...: 10/25/07 08:30 Date Received..: 10/26/07 08:30

Dilution Factor: 1

Method..... SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	107	(81 - 119)	
a.a.a-Trifluorotoluene (TFT)	105	(72 - 127))

Client Sample ID: MW-14

GC Semivolatiles

Lot-Sample #: I7J260146-016	Work Order #:	J9W631AC	Matrix: WATER
Date Sampled: 10/25/07 08:30	Date Received:	10/26/07 0	8:30
Prep Date: 10/28/07	Analysis Date:	11/02/07	
Prep Batch #: 7302113	Analysis Time:	23:19	
Dilution Factor: 1			
	Method:	SW846 8015	В
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.098	0.050	mg/L
·			
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	87	(48 - 153)	

94

Dotriacontane

(35 - 143)

Client Sample ID: MW-14

General Chemistry

Lot-Sample #...: 17J260146-016 Work Order #...: J9W63 Matrix..... WATER

Date Sampled...: 10/25/07 08:30 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 209
 20.0
 mg/L
 MCAWW 300.0A
 11/02/07
 7306409

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

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #...: 17J260146-017 Work Order #...: J9W641AA Matrix..... WATER

Date Sampled...: 10/25/07 08:45 Date Received..: 10/26/07 08:30

Prep Date....: 11/05/07 Analysis Date..: 11/05/07

Prep Batch #...: 7312135 Analysis Time..: 16:47 Dilution Factor: 20

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS

Gasoline Range Organics 7.9 2.0 mg/L

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

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #:	I7J260146-017	Work Order #:	J9W641AD	Matrix WATER
Date Sampled:	10/25/07 08:45	Date Received:	10/26/07 08:30	
Prep Date:	11/05/07	Analysis Date:	11/05/07	
Prep Batch #:	7312132	Analysis Time:	16:47	

Prep Batch #...: 7312132 Dilution Factor: 20

Method....: SW846 8021B

		REPORTING
PARAMETER	RESULT	LIMIT UNITS
Benzene	2600	20 ug/L
Ethylbenzene	81.	20 ug/L
	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	110	(72 - 127)

Client Sample ID: MW-18

GC Volatiles

Lot-Sample #:	I7J260146-017	Work Order #.	: J9W642AD	Matrix:	WATER
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Date Sampled...: 10/25/07 08:45 Date Received..: 10/26/07 08:30

 Prep Date....: 11/05/07
 Analysis Date..: 11/05/07

 Prep Batch #...: 7312132
 Analysis Time..: 22:59

Dilution Factor: 1

Method....: SW846 8021B

		REPORTIŅG	•
PARAMETER	RESULT	LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	83	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	124 *	(81 - 119)	-
a,a,a-Trifluorotoluene (TFT)	310 *	(72 - 127)	

NOTE(S):

TFT Surrogate outside acceptance criteria due to obvious coelution.

BFB surrogate outside acceptance criteria due to demonstrated matrix effect.

^{*} Surrogate recovery is outside stated control limits.

Client Sample ID: MW-18

GC Semivolatiles

Lot-Sample #: I7J2601	.46-017 Work Order	#: J9W641AC	Matrix:	WATER
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Date Sampled...: 10/25/07 08:45 Date Received..: 10/26/07 08:30

 Prep Date.....: 10/28/07
 Analysis Date..: 11/02/07

 Prep Batch #...: 7302113
 Analysis Time..: 23:51

Dilution Factor: 1

Method.....: SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 0.29 0.050 mg/L

 SURROGATE
 RECOVERY
 LIMITS

 o-Terphenyl
 86
 (48 - 153)

 Dotriacontane
 93
 (35 - 143)

Client Sample ID: MW-18

General Chemistry

Lot-Sample #...: I7J260146-017

Work Order #...: J9W64

Matrix..... WATER

Date Sampled...: 10/25/07 08:45 Date Received..: 10/26/07 08:30

PREPARATION-PREP PARAMETER METHOD ANALYSIS DATE BATCH # Chloride 219 20.0 MCAWW 300.0A 11/02/07 7306409

Dilution Factor: 20 Analysis Time..: 14:29

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #:	I7J260146-018	Work Order #:	J9W651AA	Matrix:	WATER
Date Sampled:	10/25/07 09:00	Date Received:	10/26/07 08:30		

Prep Date....: 11/05/07 Analysis Date..: 11/05/07

Prep Batch #...: 7312135 Analysis Time..: 18:45

Dilution Factor: 25
Method.....: SW846 8015B

REPORTING

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

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

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #: I7J260146-018	Work Order #:	J9W651AD	Matrix WATER
Date Sampled: 10/25/07 09:00	Date Received:	10/26/07 0	8:30
Prep Date: 11/05/07	Analysis Date:	11/05/07	
Prep Batch #: 7312132	Analysis Time:	18:45	
Dilution Factor: 25			
	Method:	SW846 8021	В
	•	REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Benzene	2700	25	ug/L
Ethylbenzene	96	25	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	104	(81 - 119)	

(72 - 127)

112

a,a,a-Trifluorotoluene (TFT)

Client Sample ID: MW-12

GC Volatiles

Lot-Sample #: 17J260146-018 Date Sampled: 10/25/07 09:0 Prep Date: 11/08/07 Prep Batch #: 7316535 Dilution Factor: 1		10/26/07 0 11/08/07	Matrix: WATER
	Method:	SW846 8021	В
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Toluene	ND	1.0	ug/L
Xylenes (total)	140	3.0	ug/L
CINDOCAME	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	•
Bromofluorobenzene	123 *	(81 - 119)	
a,a,a-Trifluorotoluene (TFT)	2760 *	(72 - 127)	

NOTE(S):

Surrogates outside acceptance criteria due to demonstrated matrix effect.

^{*} Surrogate recovery is outside stated control limits.

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #:	I7J260146-018	Work Order #	.: J9W651AC	Matrix	WATER

Date Sampled...: 10/25/07 09:00 Date Received..: 10/26/07 08:30

Prep Date....: 10/28/07 Analysis Date..: 11/03/07

Prep Batch #...: 7302113 Analysis Time..: 00:24

Dilution Factor: 1 Method....: SW846 8015B

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Diesel Range Organics	0.60	0.050	mg/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
o-Terphenyl	89	(48 - 153)	-
Dotriacontane	95	(35 - 143)	•

Client Sample ID: MW-12

General Chemistry

Lot-Sample #...: 17J260146-018 Work Order #...: J9W65 Matrix.....: WATER

Date Sampled...: 10/25/07 09:00 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 211
 20.0
 mg/L
 MCAWW 300.0A
 11/02/07
 7306409

Dilution Factor: 20 Analysis Time..: 12:14

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #: I7J260146-019	Work Order #:	J9W661AA	Matrix: WATER
Date Sampled: 10/25/07 09:25	Date Received:	10/26/07 08	:30
Prep Date: 11/05/07	Analysis Date:	11/05/07	
Prep Batch #: 7312135	Analysis Time:	19:13	
Dilution Factor: 1			
·	Method:	SW846 8015B	
		•	
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Gasoline Range Organics	0.39	0.10	mg/L
•			•
	PERCENT	RECOVERY	

LIMITS

(75 - 122)

SURROGATE

4-Bromofluorobenzene (GRO)

Client Sample ID: SVE-10

GC Volatiles

Lot-Sample #: 17J260146-019	Work Order #: J9W662AD	Matrix WATER
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Date Sampled...: 10/25/07 09:25 Date Received..: 10/26/07 08:30

Prep Date....: 11/08/07 Prep Batch #...: 7316535 Analysis Date..: 11/08/07 Analysis Time..: 15:18

Dilution Factor: 1

Method.....: SW846 8021B

REPORTIN	æ
VECOVITION	J

PARAMETER	RESULT	LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	3.2	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	<i>,</i>
Bromofluorobenzene	107	(81 - 119)	•
a,a,a-Trifluorotoluene (TFT)	117	(72 - 127)	

Client Sample ID: SVE-10

GC Semivolatiles

		7				
Lot-Sample #:	I7J260146-019	Work Order #:	J9W661AC		Matrix:	WATER
Date Sampled:	10/25/07 09:25	Date Received:	10/26/07 0	08:30		
Prep Date:	10/28/07	Analysis Date:	11/03/07			
Prep Batch #:	7302113	Analysis Time:	00:57			
Dilution Factor:	1					
		Method:	SW846 8015	5B		
					•	
			REPORTING			
PARAMETER		RESULT	LIMIT	UNIT	'S	
Diesel Range Orga	nics	0.30	0.050	mg/L		
	•					
		PERCENT	RECOVERY			
SURROGATE		RECOVERY	LIMITS			

(48 - 153)

(35 - 143)

94

93

o-Terphenyl

Dotriacontane

Client Sample ID: SVE-10

General Chemistry

Lot-Sample #...: 17J260146-019 Work Order #...: J9W66 Matrix.....: WATER

Date Sampled...: 10/25/07 09:25 Date Received..: 10/26/07 08:30

 PARAMETER
 RESULT
 RL
 UNITS
 METHOD
 ANALYSIS DATE
 BATCH #

 Chloride
 227
 50.0
 mg/L
 MCAWW 300.0A
 11/02/07
 7306409

Dilution Factor: 50 Analysis Time..: 15:44

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #: I7J26	0146-020 Work	Order #:	J9W671AA	Matrix:	WATER

Date Sampled...: 10/25/07 09:45 Date Received..: 10/26/07 08:30

 Prep Date....: 11/05/07
 Analysis Date..: 11/05/07

 Prep Batch #...: 7312135
 Analysis Time..: 19:42

Dilution Factor: 10

Method.....: SW846 8015B

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 4.5 1.0 mg/L

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

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #...: 17J260146-020 Work Order #...: J9W671AD Matrix.....: WATER

Date Sampled...: 10/25/07 09:45 Date Received..: 10/26/07 08:30

 Prep Date....:
 11/05/07
 Analysis Date..:
 11/05/07

 Prep Batch #...:
 7312132
 Analysis Time..:
 19:42

Dilution Factor: 10

Method.....: SW846 8021B

		REPORTIN	·G
PARAMETER	RESULT	LIMIT	UNITS
Benzene	550	1.0	ug/L
Ethylbenzene	150	10	ug/L
Toluene	390	1.0	ug/L
Xylenes (total)	180	30	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	104	(81 - 11	<u></u> 9)
a.a.a-Trifluorotoluene (TFT)	104	(72 - 12)	7)

Client Sample ID: MW-6

GC Semivolatiles

Lot-Sample #: 17J260146-0 Date Sampled: 10/25/07 09 Prep Date: 10/28/07 Prep Batch #: 7302113 Dilution Factor: 1		: 10/26/07 (: 11/03/07	Matrix: WATER
•	Method	: SW846 8019	5B
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	4.4	0.050	mg/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	_
o-Terphenyl	127	(48 - 153)	•
Dotriacontane	NC,I	(35 - 143)	

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

Client Sample ID: MW-6

General Chemistry

Lot-Sample #...: 17J260146-020 Work Order #...: J9W67 Matrix.....: WATER

Date Sampled...: 10/25/07 09:45 Date Received..: 10/26/07 08:30

PREPARATION-PREP RESULT UNITS METHOD ANALYSIS DATE PARAMETER RLBATCH # 11/02/07 Chloride 170 20.0 MCAWW 300.0A 7306409 mg/L

Dilution Factor: 20 Analysis Time..: 12:44

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #:	17J260146-021	Work	Order #:	J9W681AA	Matrix	WATER
Date Sampled:	10/25/07 09:17	Date	Received	10/26/07 08:30		

Date Sampled...: 10/25/07 09:17 Date Received..: 10/26/07 08:30

 Prep Date.....: 11/08/07
 Analysis Date..: 11/08/07

 Prep Batch #...: 7316524
 Analysis Time..: 12:28

Dilution Factor: 20

Method.....: SW846 8015B

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 14 2.0 mg/L

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

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #:	I7J260146-021	Work Order #:	J9W681AD	Matrix W	<i>I</i> ATER
Date Sampled:	10/25/07 09:17	Date Received:	10/26/07 0	8:30	
Prep Date:	11/05/07	Analysis Date:	11/05/07	•	
Prep Batch #:	7312132	Analysis Time:	20:10		
Dilution Factor:	1				
		Method:	SW846 8021	.В	
			REPORTING		
PARAMETER		RESULT	LIMIT	UNITS	
Ethylbenzene		180	1.0	ug/L	
Toluene		ND	1.0	ug/L	
Xylenes (total)		180	3.0	ug/L	
		PERCENT	RECOVERY		
SURROGATE		RECOVERY	LIMITS		
Bromofluorobenzer	ne	124 *	(81 - 119)		

(72 - 127)

2920 *

NOTE(S):

a,a,a-Trifluorotoluene (TFT)

Surrogate outside acceptance criteria due to demonstrated matrix effect.

^{*} Surrogate recovery is outside stated control limits.

Client Sample ID: DUP-1

GC Volatiles

Lot-Sample #: I7J260146-03	. Work Order #: J9W682AD	Matrix WATER
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(72 - 127)

Date Sampled...: 10/25/07 09:17 Date Received..: 10/26/07 08:30

 Prep Date....:
 11/08/07
 Analysis Date..:
 11/08/07

 Prep Batch #...:
 7316535
 Analysis Time..:
 12:28

a,a,a-Trifluorotoluene (TFT)

Dilution Factor: 20 Method.....: SW846 8021B

	REPORTING

PARAMETER	RESULT	LIMIT_	UNITS
Benzene	2900	20	ug/L
	PERCENT	RECOVERY	·
SURROGATE	RECOVERY	LIMITS	4.4
Bromofluorobenzene	104	(81 - 119	<u> </u>

Client Sample ID: DUP-1

GC Semivolatiles

Lot-Sample #: 17J260146-021 Date Sampled: 10/25/07 09:17 Prep Date: 10/28/07 Prep Batch #: 7302116 Dilution Factor: 1	••	10/26/07 0 11/03/07	
	Method:	SW846 8015	B
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	0.95	0.050	mg/L
SURROGATE o-Terphenyl	PERCENT RECOVERY 94	RECOVERY LIMITS (48 - 153)	

(35 - 143)

105

Dotriacontane

Client Sample ID: DUP-1

General Chemistry

Lot-Sample #...: 17J260146-021

Work Order #...: J9W68

Matrix....: WATER

Date Sampled...: 10/25/07 09:17 Date Received..: 10/26/07 08:30

PREPARATION-PREP PARAMETER ANALYSIS DATE BATCH # Chloride 187 20.0 MCAWW 300.0A 11/02/07 7306409

> Dilution Factor: 20 Analysis Time..: 12:59

Client Sample ID: DUP-2

GC Volatiles

Lot-Sample #...: I7J260146-022 Work Order #...: J9W691AA Matrix..... WATER

REPORTING

Date Sampled...: 10/25/07 09:57 Date Received..: 10/26/07 08:30

Prep Date....: 11/08/07 Analysis Date..: 11/08/07

Prep Batch #...: 7316524 Analysis Time..: 12:57 Dilution Factor: 20

Method....: SW846 8015B

PARAMETER RESULT LIMIT UNITS
Gasoline Range Organics 8.5 2.0 mg/L

PERCENT RECOVERY

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

Client Sample ID: DUP-2

GC Volatiles

Lot-Sample #...: I7J260146-022 Work Order #...: J9W691AD Matrix..... WATER

Date Sampled...: 10/25/07 09:57 Date Received..: 10/26/07 08:30

Prep Date....: 11/08/07 Analysis Date..: 11/08/07 Prep Batch #...: 7316535 Analysis Time..: 12:57

Dilution Factor: 20 Method.....: SW846 8021B

		DED ODERVIC	
		REPORTING	
PARAMETER	RESULT	<u>LIMIT</u>	UNITS
Benzene	930	20	ug/L
Ethylbenzene	220	20	ug/L
Toluene	840	20	ug/L
Xylenes (total)	380	60	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	104	(72 - 127)

Client Sample ID: DUP-2

GC Semivolatiles

Lot-Sample #:	I7J260146-022	Work Ord	der #:	J9W691AC	Matrix:	WATER
Date Campled .	10/25/07 00.57	Data Bar	aairrad .	10/20/07 00.20		

Date Sampled...: 10/25/07 09:57 Date Received..: 10/26/07 08:30

 Prep Date.....: 10/28/07
 Analysis Date..: 11/05/07

 Prep Batch #...: 7302116
 Analysis Time..: 10:11

Dilution Factor: 10

Method..... SW846 8015B

REPORTING

PARAMETER RESULT LIMIT UNITS
Diesel Range Organics 21 0.50 mg/L

PERCENT RECOVERY

SURROGATE RECOVERY LIMITS

o-Terphenyl NC,DIL (48 - 153)

Dotriacontane NC,DIL (35 - 143)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Client Sample ID: DUP-2

General Chemistry

Lot-Sample #...: I7J260146-022

Work Order #...: J9W69

Matrix..... WATER

Date Sampled...: 10/25/07 09:57 Date Received..: 10/26/07 08:30

Chloride	155	20.0	mct/T.	MC Δ W 3 0 0 0 Δ	11/02/07	7306400
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
					PREPARATION-	PREP

Dilution Factor: 20

Analysis Time..: 13:14

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #: I7J26	0146-023 Work Order	#: J9W7C1AA	Matrix:	WATER
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Date Sampled...: 10/25/07 Date Received..: 10/26/07 08:30

 Prep Date.....:
 11/05/07
 Analysis Date..:
 11/05/07

 Prep Batch #...:
 7312132
 Analysis Time..:
 18:16

Dilution Factor: 1 Method....: SW846 8021B

		REPORTING	
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Bromofluorobenzene	104	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(72 - 127)	,

GC Volatiles

Client Lot #...: I7J260146

Work Order #...: KACL91AA

Matrix....: WATER

MB Lot-Sample #: I7K010000-398

Prep Date....: 10/29/07

Analysis Time..: 12:48

Analysis Date..: 10/29/07

Dilution Factor: 1

Prep Batch #...: 7305398

REPORTING

PARAMETER

SURROGATE

RESULT

LIMIT

UNITS METHOD

Gasoline Range Organics

mg/L

SW846 8015B

PERCENT

RECOVERY

RECOVERY

LIMITS

4-Bromofluorobenzene (GRO

(75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: 17J260146

Work Order #...: KAH8R1AA

Matrix....: WATER

MB Lot-Sample #: 17K050000-187

Prep Date....: 10/31/07

Analysis Time..: 17:38

Analysis Date..: 10/31/07

Dilution Factor: 1

Prep Batch #...: 7309187

REPORTING

PARAMETER

LIMIT UNITS

Gasoline Range Organics

mg/L

SW846 8015B

PERCENT SURROGATE

RECOVERY

RECOVERY

LIMITS

4-Bromofluorobenzene (GRO

(75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: I7J260146

Work Order #...: KAJN91AA

Matrix....: WATER

MB Lot-Sample #: I7K050000-353

Prep Date....: 11/01/07

Analysis Time..: 12:14

Analysis Date..: 11/01/07

Dilution Factor: 1

Prep Batch #...: 7309353

REPORTING

PARAMETER

LIMIT

UNITS

METHOD

Gasoline Range Organics

ND

0.10

mg/L

SW846 8015B

SURROGATE

PERCENT RECOVERY RECOVERY

LIMITS

4-Bromofluorobenzene (GRO

94

(75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: I7J260146

Work Order #...: KAQ361AA

Matrix....: WATER

MB Lot-Sample #: I7K080000-135

Prep Date....: 11/05/07

Analysis Time..: 12:15

Analysis Date..: 11/05/07

Dilution Factor: 1

Prep Batch #...: 7312135

PARAMETER RESULT LIMIT

LIMIT UNITS

METHOD

Gasoline Range Organics

4-Bromofluorobenzene (GRO

JD

0.10

mg/L

SW846 8015B

PERCENT

RECOVERY

RECOVERY LIMITS

94

(75 - 122)

NOTE(S):

SURROGATE

GC Volatiles

Client Lot #...: 17J260146

Work Order #...: KA33Q1AA

Matrix..... WATER

MB Lot-Sample #: I7K120000-524

Prep Date....: 11/08/07

Analysis Time..: 12:00

Analysis Date..: 11/08/07

Prep Batch #...: 7316524

Dilution Factor: 1

REPORTING

PARAMETER

UNITS

Gasoline Range Organics

mg/L SW846 8015B

PERCENT

RECOVERY

SURROGATE 4-Bromofluorobenzene (GRO

RECOVERY 90

LIMITS (75 - 122)

NOTE(S):

GC Volatiles

Client Lot #...: I7J260146

Work Order #...: KACK71AA

Matrix....: WATER

MB Lot-Sample #: I7K010000-394

Prep Date....: 10/29/07 Prep Batch #...: 7305394 Analysis Time..: 12:48

Analysis Date..: 10/29/07

Dilution Factor: 1

•

		REPORTI	REPORTING			
PARAMETER	RESULT	LIMIT	UNITS	METHOD		
Benzene	ND	1.0	ug/L	. SW846 8021B		
Ethylbenzene	ND	1.0	ug/L	SW846 8021B		
Toluene	ND	1.0	ug/L	SW846 8021B		
Xylenes (total)	ND	3.0	ug/L	SW846 8021B		
	PERCENT	RECOVER	Y			
SURROGATE	RECOVERY	LIMITS				
Bromofluorobenzene	103	(81 - 1	19)			
a,a,a-Trifluorotoluene	92	(72 - 12	27)			

NOTE(S):

GC Volatiles

Client Lot #...: I7J260146

Work Order #...: KAH791AA

Matrix....: WATER

MB Lot-Sample #: I7K050000-179

Prep Date....: 10/31/07 Prep Batch #...: 7309179 Analysis Time..: 17:38

Analysis Date..: 10/31/07

Dilution Factor: 1

REPORTING

PARAMETER	RESULT_	LIMIT	UNITS	METHOD	
Benzene	ND	1.0	ug/L	SW846 8021B	
Ethylbenzene	ND	1.0	ug/L	SW846 8021B	
Toluene	ND .	1.0	ug/L	SW846 8021B	
Xylenes (total)	ND	3.0	ug/L	SW846 8021B	
	PERCENT	RECOVER	Y	· .	
SURROGATE	RECOVERY	LIMITS			
Bromofluorobenzene	103	(81 - 1	19)		
a,a,a-Trifluorotoluene	92	(72 - 1	27) .		
(TFT)					

NOTE(S):

GC Volatiles

Client Lot #...: 17J260146

Work Order #...: KAQ311AA

Matrix....: WATER

MB Lot-Sample #: I7K080000-132

Prep Date....: 11/05/07 Prep Batch #...: 7312132 Analysis Time..: 12:15

Analysis Date..: 11/05/07

Dilution Factor: 1

REPORTING

RESULT	LIMIT	UNITS	METHOD		
ND	1.0	ug/L	SW846 8021B		
ND	1.0	ug/L	SW846 8021B		
ND	1.0	ug/L	SW846 8021B		
ND	3.0	ug/L	SW846 8021B		
PERCENT	RECOVER	Y			
RECOVERY	LIMITS				
102	(81 - 1	19)			
92	(72 - 12	27)			
	ND ND ND ND PERCENT RECOVERY 102	ND 1.0 ND 1.0 ND 3.0 PERCENT RECOVER RECOVERY 102 (81 - 1)	ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 3.0 ug/L ND 3.0 ug/L PERCENT RECOVERY RECOVERY LIMITS 102 (81 - 119)		

NOTE(S):

GC Volatiles

Client Lot #...: I7J260146

Work Order #...: KA34H1AA

Matrix....: WATER

MB Lot-Sample #: I7K120000-535

Prep Date....: 11/08/07 Prep Batch #...: 7316535

Analysis Time..: 12:00

Analysis Date..: 11/08/07

Dilution Factor: 1

REPORTING

	KEFOKLING			
PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
Bromofluorobenzene	104	(81 - 1	19)	
a,a,a-Trifluorotoluene (TFT)	92	(72 - 1	27)	

NOTE (S):

GC Semivolatiles

Client Lot #...: 17J260146

Work Order #...: J92771AA

Matrix....: WATER

MB Lot-Sample #: I7J290000-113

Prep Date....: 10/28/07 Prep Batch #...: 7302113

Analysis Time..: 12:19

Analysis Date..: 11/02/07

Dilution Factor: 1

PARAMETER RESULT LIMIT UNITS METHOD

Diesel Range Organics ND 0.050 mg/L SW846 8015B

 PERCENT
 RECOVERY

 RECOVERY
 LIMITS

 85
 (48 - 153)

 92
 (35 - 143)

NOTE(S):

SURROGATE

o-Terphenyl

Dotriacontane

GC Semivolatiles

Client Lot #...: I7J260146

Work Order #...: J928T1AA

Matrix..... WATER

MB Lot-Sample #: I7J290000-116

Prep Date....: 10/28/07 Prep Batch #...: 7302116

Analysis Time..: 02:03

Analysis Date..: 11/03/07

Dilution Factor: 1

REPORTING

		1122 0112 2110			
RESULT	LIMIT	UNITS	METHOD		
ND	0.050	mg/L	SW846 8015B		
PERCENT	RECOVERY	7			
RECOVERY	LIMITS				
93	(48 - 15	53)	•		
105	(35 - 14	:3)			
	ND PERCENT RECOVERY 93	ND 0.050 PERCENT RECOVERY RECOVERY 93 (48 - 15	ND 0.050 mg/L PERCENT RECOVERY RECOVERY LIMITS 93 (48 - 153)		

NOTE(S):

General Chemistry

Client Lot #...: I7J260146

Matrix....: WATER

PARAMETER	RESULT	REPORTIN LIMIT	G UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order 1.0 Dilution Fact Analysis Time		MB Lot-Sample #: MCAWW 300.0A	17K020000-102 11/01/07	7306102
Chloride	ND	Work Order 1.0 Dilution Fact Analysis Time		MB Lot-Sample #: MCAWW 300.0A	I7K020000-409 11/02/07	7306409

NOTE(S):

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KACL91AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7K010000-398 KACL91AD-LCSD

Prep Date....: 10/29/07 Analysis Date..: 10/29/07

Prep Batch #...: 7305398 Analysis Time..: 10:57

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Gasoline Range Organics	96	(85 - 115)		SW846 8015B
	92	(85 - 115)	4.2 (0-20)	SW846 8015B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
4-Bromofluorobenzene (GRO)		116	(81 - 123)	
		113	(81 - 123)	

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: 17J260146 Work Order #...: KAH8R1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: 17K050000-187 KAH8R1AD-LCSD

Prep Date....: 10/31/07 Analysis Date..: 10/31/07 Prep Batch #...: 7309187 Analysis Time..: 16:41

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Gasoline Range Organics	93	(85 - 115)		SW846 8015B
	96	(85 - 115)	2.8 (0-20)	SW846 8015B
	•	PERCENT	RECOVERY	
SURROGATE		RECOVERY	<u>LIMITS</u>	
4-Bromofluorobenzene (GRO)		99	(81 - 123)	
		97	(81 - 123)	

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: 17J260146 Work Order #...: KAJN91AC-LCS Matrix..... WATER

LCS Lot-Sample#: 17K050000-353 KAJN91AD-LCSD

Prep Date....: 11/01/07 Analysis Date..: 11/01/07

Prep Batch #...: 7309353 Analysis Time..: 11:18

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Gasoline Range Organics	98	(85 - 115)	,	SW846 8015B
	96	(85 - 115)	2.0 (0-20)	SW846 8015B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
4-Bromofluorobenzene (GRO)		97	(81 - 123)	
	•	98	(81 - 123)	

NOTE(S):

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

Bold print denotes control parameters

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KAQ361AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7K080000-135 KAQ361AD-LCSD

Prep Date....: 11/05/07 Analysis Date..: 11/05/07 Prep Batch #...: 7312135 Analysis Time..: 11:18

Dilution Factor: 1

PERCENT RECOVERY RPD PARAMETER RECOVERY LIMITS RPD LIMITS METHOD Gasoline Range Organics 90 (85 - 115)SW846 8015B (85 - 115)1.5 (0-20)SW846 8015B 89

 SURROGATE
 RECOVERY

 4-Bromofluorobenzene (GRO)
 100
 (81 - 123)

 102
 (81 - 123)

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KA33Q1AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7K120000-524 KA33Q1AD-LCSD

Prep Date....: 11/08/07 Analysis Date..: 11/08/07

Prep Batch #...: 7316524 Analysis Time..: 10:08

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Gasoline Range Organics	92 ´	(85 - 115)		SW846 8015B
	94	(85 - 115)	3.0 (0-20)	SW846 8015B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
4-Bromofluorobenzene (GRO)		102	(81 - 123)	

101

(81 - 123)

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KACK71AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7K010000-394 KACK71AD-LCSD

 Prep Date....: 10/29/07
 Analysis Date..: 10/29/07

 Prep Batch #...: 7305394
 Analysis Time..: 11:25

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD RPD LIMITS	METHOD
Benzene	97	(80 - 115)		SW846 8021B
	96	(80 - 115)	1.0 (0-20)	SW846 8021B
Ethylbenzene	99	(81 - 115)		SW846 8021B
-	100	(81 - 115)	0.73 (0-20)	SW846 8021B
Toluene	102	(85 - 115)		SW846 8021B
	102	(85 - 115)	0.31 (0-20)	SW846 8021B
Xylenes (total)	102	(86 - 119)		SW846 8021B
_	103	(86 - 119)	0.83 (0-20)	SW846 8021B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzene		103	(85 - 111)	
		105	(85 - 111)	
a,a,a-Trifluorotoluene (TFT)		96	(86 - 107)	
		94	(86 - 107)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KAH791AC-LCS Matrix.....: WATER

LCS Lot-Sample#: I7K050000-179 KAH791AD-LCSD

Prep Date....: 10/31/07 Analysis Date..: 10/31/07

Prep Batch #...: 7309179 Analysis Time..: 17:10

Dilution Factor: 1

·	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD	
Benzene	91	(80 - 115)			SW846 8021B	
	93	(80 - 115)	3.1	(0-20)	SW846 8021B	
Ethylbenzene	91	(81 - 115)			SW846 8021B	
	92	(81 - 115)	1.2	(0-20)	SW846 8021B	
Toluene	95	(85 - 115)			SW846 8021B	
	95	(85 - 115)	0.17	(0-20)	SW846 8021B	
Xylenes (total)	97	(86 - 119)			SW846 8021B	
	95	(86 - 119)	1.9	(0-20)	SW846 8021B	
		*				
		PERCENT	RECOV	ERY		
SURROGATE		RECOVERY	LIMIT	S		
Bromofluorobenzene		105	(85 -	111)	•	
		106	(85 -	111)		
a,a,a-Trifluorotoluene		91	(86 -	107)		
(TFT)						
•		96	(86 -	107)		

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KAQ311AC-LCS Matrix..... WATER

LCS Lot-Sample#: 17K080000-132 KAQ311AD-LCSD

 Prep Date....: 11/05/07
 Analysis Date..: 11/05/07

 Prep Batch #...: 7312132
 Analysis Time..: 10:21

Dilution Factor: 1

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Benzene	94	(80 - 115)		SW846 8021B
	95	(80 - 115)	0.60 (0-20)	SW846 8021B
Ethylbenzene	95	(81 - 115)		SW846 8021B
	92	(81 - 115)	3.3 (0-20)	SW846 8021B
Toluene	99	(85 - 115)		SW846 8021B
	96	(85 - 115)	2.3 (0-20)	SW846 8021B
Xylenes (total)	97	(86 - 119)		SW846 8021B
-	95	(86 - 119)	2.4 (0-20)	SW846 8021B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	
Bromofluorobenzene		102	(85 - 111)	
		104	(85 - 111)	
a,a,a-Trifluorotoluene (TFT)	·	96	(86 - 107)	
		97	(86 - 107)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KA34H1AC-LCS Matrix..... WATER

LCS Lot-Sample#: I7K120000-535

Analysis Date..: 11/08/07

KA34H1AD-LCSD

Prep Date....: 11/08/07
Prep Batch #...: 7316535

Analysis Time.: 11:04

Dilution Factor: 1

•		•			
	PERCENT	RECOVERY		RPD	•
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
Benzene	88	(80 - 115)		,	SW846 8021B
	90	(80 - 115)	1.6	(0-20)	SW846 8021B
Ethylbenzene	92	(81 - 115)			SW846 8021B
	91	(81 - 115)	1.2	(0-20)	SW846 8021B
Toluene	94	(85 - 115)			SW846 8021B
•	92	(85 - 115)	1.2	(0-20)	SW846 8021B
Xylenes (total)	95	(86 - 119)			SW846 8021B
,	93	(86 - 119)	2.2	(0-20)	SW846 8021B
		PERCENT	RECOV	ERY	
SURROGATE		RECOVERY	LIMIT	S	
Bromofluorobenzene		108	(85 -	111)	
		107	(85 -	111)	
a,a,a-Trifluorotoluene		93	(86 -	107)	
(TFT)					
		96	(86 -	107)	
•				•	

NOTE(S):

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

GC Semivolatiles

Client Lot #...: I7J260146 Work Order #...: J92771AC Matrix...... WATER

LCS Lot-Sample#: 17J290000-113

 Prep Date....: 10/28/07
 Analysis Date..: 11/02/07

 Prep Batch #...: 7302113
 Analysis Time..: 12:52

Dilution Factor: 1

PERCENT RECOVERY

PARAMETER RECOVERY LIMITS METHOD

Diesel Range Organics 66 (28 - 121) SW846 8015B

 SURROGATE
 RECOVERY

 o-Terphenyl
 90
 (48 - 153)

 Dotriacontane
 92
 (35 - 143)

NOTE(S):

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

GC Semivolatiles

Client Lot #...: I7J260146 Work Order #...: J928T1AC-LCS Matrix..... WATER

Prep Date....: 10/28/07 Analysis Date..: 11/03/07
Prep Batch #...: 7302116 Analysis Time..: 02:36

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOI)
Diesel Range Organics	79	(28 - 121)			SW846	8015B
•	84	(28 - 121)	5.6	(0-20)	SW846	8015B
SURROGATE o-Terphenyl Dotriacontane		PERCENT RECOVERY 101 105 103 106	(48 - (35 -		·	

NOTE(S):

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

General Chemistry

Client Lot #...: I7J260146

Matrix....: WATER

PARAMETER Chloride	PERCENT RECOVERY	RECOVERY LIMITS METHOD Work Order #: KADQW1AC LCS Lc (90 - 110) MCAWW 300.0A	PREPARATION- PREP <u>ANALYSIS DATE</u> <u>BATCH #</u> ot-Sample#: 17K020000-102 11/01/07 7306102
	ノェ	Dilution Factor: 1 Analysis T	· · · · · · · · · · · · · · · · · · ·
Chloride	95	Work Order #: KAFCQ1AC LCS Lo (90 - 110) MCAWW 300.0A Dilution Factor: 1 Analysis T	11/02/07 7306409

NOTE(S):

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

GC Volatiles

Client Lot #...: 17J260146 Work Order #...: J9PEV1AF-MS Matrix..... WATER

Date Sampled...: 10/23/07 10:05 Date Received..: 10/24/07 08:10

 Prep Date....: 10/29/07
 Analysis Date..: 10/29/07

 Prep Batch #...: 7305398
 Analysis Time..: 19:52

Dilution Factor: 1

	PERCENT	RECOVERY	F	RPD	
PARAMETER .	RECOVERY	LIMITS	RPD	LIMITS	METHOD
Gasoline Range Organics	70 a	(79 - 124)			SW846 8015B
	55 a	(79 - 124)	12	(0-20)	SW846 8015B
		PERCENT		RECOVERY	
SURROGATE	_	RECOVERY		LIMITS	
4-Bromofluorobenzene (GRO)	104		(75 - 122)
		106		(75 - 122)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

GC Volatiles

Work Order #...: J9PFK1AG-MS Client Lot #...: 17J260146 Matrix..... WATER

J9PFK1AH-MSD MS Lot-Sample #: I7J240184-010

Date Sampled...: 10/23/07 13:15 Date Received..: 10/24/07 08:10

Prep Date....: 10/31/07 Analysis Date..: 11/01/07 Analysis Time..: 10:05 Prep Batch #...: 7309187

Dilution Factor: 50

	PERCENT	RECOVERY		RPD		,
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO)
Gasoline Range Organics	87	(79 - 124)			SW846	8015B
	87	(79 - 124)	0.58	(0-20)	SW846	8015B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS	_	
4-Bromofluorobenzene (GRO	-	98		(75 - 122))	
		99		(75 - 122))	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: J9XNC1AE-MS Matrix..... WATER

Date Sampled...: 10/24/07 10:20 Date Received..: 10/26/07 08:30

 Prep Date....: 11/01/07
 Analysis Date..: 11/01/07

 Prep Batch #...: 7309353
 Analysis Time..: 20:58

Dilution Factor: 100

PARAMETER Gasoline Range Organics	PERCENT RECOVERY 65 a 71 a	RECOVERY LIMITS (79 - 124) (79 - 124)	RPD 6.8	RPD LIMITS (0-20)	METHOD SW846 8015B SW846 8015B
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS	
4-Bromofluorobenzene (GR	O	102		(75 - 122 $(75 - 122$	

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.

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: J9W641AF-MS Matrix.....: WATER

MS Lot-Sample #: 17J260146-017 J9W641AG-MSD

Date Sampled...: 10/25/07 08:45 Date Received..: 10/26/07 08:30

Prep Date....: 11/05/07 Analysis Date..: 11/05/07

Prep Batch #...: 7312135 Analysis Time..: 22:03

Dilution Factor: 20

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOI	0
Gasoline Range Organics	91	(79 - 124)			SW846	8015B
	87	(79 - 124)	3.2	(0-20)	SW846	8015B
		PERCENT		RECOVERY		
SURROGATE	_	RECOVERY		LIMITS	_	
4-Bromofluorobenzene (GRC)	102		(75 ~ 122)	
		104		(75 - 122)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KAM7D1AG-MS Matrix..... WATER

MS Lot-Sample #: I7K070121-001 KAM7D1AH-MSD

Date Sampled...: 11/05/07 12:30 Date Received..: 11/07/07 08:11

Prep Date....: 11/08/07 Analysis Date..: 11/08/07 Analysis Time..: 22:51

Prep Batch #...: 7316524

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOL)
Gasoline Range Organics	95	(79 - 124)			SW846	8015B
	89	(79 - 124)	5.8	(0-20)	SW846	8015B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
4-Bromofluorobenzene (GRO	Ö	100		(75 - 122	?)	
		99		(75 - 122)	?)	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: J9PD21AH-MS Matrix....: WATER

MS Lot-Sample #: 17J240184-001

J9PD21AJ-MSD

Date Sampled...: 10/23/07 09:00 Date Received..: 10/24/07 08:10

Prep Date....: 10/29/07 Analysis Date..: 10/29/07
Prep Batch #...: 7305394 Analysis Time..: 18:55

Dilution Factor: 1

			RPD		
RECOVERY	LIMITS	RPD	LIMITS	METHO)
105	(80 - 115)			SW846	8021B
102	(80 - 115)	2.4	(0-20)	SW846	8021B
105	(81 - 115)			SW846	8021B
103	(81 - 115)	1.7	(0-20)	SW846	8021B
105	(85 - 115)			SW846	8021B
102	(85 - 115)	2.5	(0-20)	SW846	8021B
106	(86 - 119)			SW846	8021B
104	(86 - 119)	1.6	(0-20)	SW846	8021B
	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
	107		(81 - 119)	
	108		(81 - 119))	
	95		(72 - 127	')	
	94		(72 - 127	')	
	105 102 105 103 105 102	105 (80 - 115) 102 (80 - 115) 105 (81 - 115) 103 (81 - 115) 105 (85 - 115) 102 (85 - 115) 106 (86 - 119) 104 (86 - 119) PERCENT RECOVERY 107 108 95	105 (80 - 115) 102 (80 - 115) 2.4 105 (81 - 115) 103 (81 - 115) 1.7 105 (85 - 115) 102 (85 - 115) 2.5 106 (86 - 119) 104 (86 - 119) 1.6 PERCENT RECOVERY 107 108 95	105 (80 - 115) 102 (80 - 115) 2.4 (0-20) 105 (81 - 115) 103 (81 - 115) 1.7 (0-20) 105 (85 - 115) 102 (85 - 115) 2.5 (0-20) 106 (86 - 119) 104 (86 - 119) 1.6 (0-20) PERCENT RECOVERY RECOVERY LIMITS 107 (81 - 119) 108 (81 - 119) 95 (72 - 127)	105

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: J94371AE-MS Matrix..... WATER

MS Lot-Sample #: 17J300126-001 J94371AF-MSD

Date Sampled...: 10/18/07 15:00 Date Received..: 10/30/07 08:00

Prep Date....: 10/31/07 Analysis Date..: 10/31/07

Prep Batch #...: 7309179 Analysis Time..: 23:15

Dilution Factor: 1

•	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO	D
Benzene	101	(80 - 115)			SW846	8021B
	98	(80 - 115)	3.0	(0-20)	SW846	8021B
Ethylbenzene	100	(81 - 115)			SW846	8021B
	101	(81 - 115)	0.96	(0-20)	SW846	8021B
Toluene	102	(85 - 115)			SW846	8021B
	102	(85 - 115)	0.58	(0-20)	SW846	8021B
Xylenes (total)	101	(86 - 119)			SW846	8021B
	104	(86 - 119)	3.0	(0-20)	SW846	8021B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
Bromofluorobenzene	_	105		(81 - 119)	
•		104		(81 - 119)	
a,a,a-Trifluorotoluene (TFT)		97		(72 - 127)	
		92		(72 - 127	')	

NOTE(S):

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

GC Volatiles

Client Lot #...: 17J260146 Work Order #...: J9W6T1AF-MS Matrix..... WATER

Date Sampled...: 10/24/07 13:15 Date Received..: 10/26/07 08:30

 Prep Date....: 11/05/07
 Analysis Date..: 11/05/07

 Prep Batch #...: 7312132
 Analysis Time..: 21:07

Dilution Factor: 1

	PERCENT	RECOVERY		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO)
Benzene	101	(80 - 115)			SW846	8021B
	98	(80 - 115)	2.8	(0-20)	SW846	8021B
Ethylbenzene	93	(81 - 115)			SW846	8021B
_	92	(81 - 115)	0.82	(0-20)	SW846	8021B
Toluene	96	(85 - 115)			SW846	8021B
	96	(85 - 115)	0.29	(0-20)	SW846	8021B
Xylenes (total)	97	(86 - 119)			SW846	8021B
	96	(86 - 119)	1.2	(0-20)	SW846	8021B
		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
Promofluorobenzene	<u>—</u>	108		(81 - 119))	
	•	107		(81 - 119))	
a,a,a-Trifluorotoluene (TFT)		97		(72 - 127	')	
•		95		(72 - 127	')	

NOTE(S):

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

GC Volatiles

Client Lot #...: I7J260146 Work Order #...: KAKP61AC-MS Matrix..... WATER

MS Lot-Sample #: I7K060114-001 KAKP61AD-MSD

Date Sampled...: 11/05/07 13:00 Date Received..: 11/06/07 08:00

Prep Date....: 11/08/07 Analysis Date..: 11/08/07 Prep Batch #...: 7316535 Analysis Time..: 21:55

Dilution Factor: 1

	PERCENT	RECOVERY		RPD	•	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHO) .
Benzene	96	(80 - 115)			SW846	8021B
	96	(80 - 115)	0.84	(0-20)	SW846	8021B
Ethylbenzene	92	(81 - 115)			SW846	8021B
	91	(81 - 115)	1.7	(0-20)	SW846	8021B
Toluene	97	(85 - 115)			SW846	8021B
	95	(85 - 115)	2.2	(0-20)	SW846	8021B
Xylenes (total)	93	(86 - 119)			SW846	8021B
	92	(86 - 119)	1.5	(0-20)	SW846	8021B
·		PERCENT		RECOVERY		
SURROGATE		RECOVERY		LIMITS		
Bromofluorobenzene	_	105		(81 - 119)	
		107		(81 - 119	+)	
a,a,a-Trifluorotoluene (TFT)		98		(72 - 127)	
		98		(72 - 127)	

NOTE(S):

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

GC Semivolatiles

Client Lot #...: I7J260146 Work Order #...: J9W471AF-MS Matrix..... WATER

MS Lot-Sample #: 17J260146-001 J9W471AG-MSD

Date Sampled...: 10/24/07 08:30 Date Received..: 10/26/07 08:30

 Prep Date.....: 10/28/07
 Analysis Date..: 11/02/07

 Prep Batch #...: 7302113
 Analysis Time..: 13:58

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOL)
Diesel Range Organics	58	(28 - 121)			SW846	8015B
	56	(28 - 121)	3.0	(0-20)	SW846	8015B
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS		
o-Terphenyl		83		(48 - 153))	
		81		(48 - 153))	
Dotriacontane		91		(35 - 143)	•	
		84		(35 - 143)		

NOTE(S):

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

General Chemistry

Client Lot #...: I7J260146 Matrix.....: WATER

Date Sampled...: 10/23/07 15:33 Date Received..: 10/24/07 08:15

	PERCENT	RECOVERY	RPD		PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD	ANALYSIS DATE	BATCH #
Chloride		WO#:	J9N701A6-MS/3	J9N701A7-MSD MS	S Lot-Sample #: I7	J240165-001
·	85 N	(90 - 110)		MCAWW 300.0A	11/01/07	7306102
	86 N	(90 - 110)	0.73 (0-20)	MCAWW 300.0A	. 11/01/07	7306102
		Dilut	ion Factor: 1			
		Analy	sis Time: 08:54	1		
Chloride		WO#:	J9W6M1AF-MS/S	J9W6M1AG-MSD MS	G Lot-Sample #: I7	J260146-008
	90	(90 - 110)	•	MCAWW 300.0A	11/02/07	7306409
	86 N	(90 - 110)	2.8 (0-20)	MCAWW 300.0A	11/02/07	7306409
		Dilut	ion Factor: 20			
		Analy	sis Time: 09:00)		

NOTE(S):

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

 $^{\,}N\,\,$ Spiked analyte recovery is outside stated control limits.

Report Attachment

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

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

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.

EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.

EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.

Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.

EPA TO-12: Samples not analyzed in duplicate.

EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

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

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

The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

141/147 Page 1 of 2 CHAIN-OF-CUSTODY ADDENDUM 7. 7760146 THE LEADER IN ENVIRONMENTAL TESTING CHECKED/RECEIVED BY: COC NUMBER: DATE/TIME RECEIVED: 10/26/07-08:20 OUOTE/PROFILE: UNPACKED DATE/TIME: (() CLIENT/PROJECT: \ LAVA \ O C SAMPLES LOGGED IN: LOG-IN REVIEWED: Number of Shipping Containers Received SOM with Chain of Custody'_ **VOC AIR / FILTER SAMPLES YES SEE SECTIONS 1.0, 2.0, & 6.0** 1.0 CONTAINERS EXAMINED UPON RECEIPT: TYES NO Container Sealed: Custody Seal Signed/Dated: YES ∏NO Custody Seal Present: If seal not intact list air bill number of that container(s): 2.0 VOC CANISTERS EXAMINED UPON RECEIPT: NO Samples Received Match Chain: Canister Valves Closed: ☐ YES YES Canister Valves Capped: YES NO Other Equipment Received: TYES Valve Cap Tightened Properly: YES NO See Additional Comments (Section 5.0 and / or 7.0) YES NO Packing Material Used: (circle) Chain-of-Custody form properly maintained: ☐ YES None / Absorbent / Paper / Bubble Wrap Can Size: □15L 3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: \ IR THERMOMETER #: Temperature of the container(s): CF = Correction Factor Circle selection: TB = Temp. Blank and/or SC = Sample Container [acceptable tolerance $4^{\circ}C \pm 2^{\circ}$] TB Z SC D TB & SC D TB Z SC D TB Z SC D TB SCD TB O SCO TB & SCO TB D-SCO صاً ، 🔾 Initial Initial 2.5 Initial 3.2 Initial 4.3 Initial ろ. い اط. و Initial Initial えいし Initial CF 0.0 CF CF 6.D CFA. ろ CF ().() CF R.D Final 3.2 Final 12 Final 3- (o Final 3.0 Final If temperature is outside acceptable tolerance, Project Manager was notified (Date: Time: Samples received do not require cooling ✓YES ☐NO OK to analyze samples: PRESERVATION OF SAMPLES REQUIRED: NA YES WOA Samples NOTE: pH CHECK OF SAMPLES FOR 1664A ANALYSIS CHECK AT TIME OF ANALYSIS BY BENCH ANALYST PH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST. TYES □NO Base samples are>pH 12: ☐YES ☐NO Acid preserved are < pH 2: Cyanide samples checked Sulfide samples appear for sulfides: to be preserved with zinc acetate: YES]YES □NO

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

Samples checked for chlorine per specification (N.C.)

Date:

TYES.

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

Sample ID	mm Headspace	Sample ID	min Headspace

Free chlorine present:

see pH adjustment form

☐ YES ☐ NO

_PM) .



CHAIN-OF-CUSTODY ADDENDUM

Lot No: <u>T7J260146</u>

4.0 CONDITION OF BOTTLES/CO	ONTAINERS	VERIFIED BY:		
Samples received match COC: See additional discrepancies/comment Chain-of-Custody form properly main	s section:	ES NO Bottles received OES NO Samples received OES NO VOA trip blanks	intact: I from USDA restric included: UDM	
5.0 ADDITIONAL DISCREPANCE	ŒS			
Appears on COC		Appears on Lab	el	
Sample ID	Date/Time	Sample ID	Date/Time	Comments
				<u> </u>
	<u> </u>			·
6.0 SHIPPING DOCUMENTATION			· · · · · · · · · · · · · · · · · · ·	
Air/freight bill is available and attache		YES NO Air bill #:		
Hand-delivered Carrier:		Da	ıte:	Time:
7.0 OTHER COMMENTS:				· · · · · · · · · · · · · · · · · · ·
	77 O	`		
received mw-15	- 1 L D	Nevo		
	·			
CORRECTIVE ACTION:				
Client's Name:	In	formed verbally on: formed verbally on:	By:	
Client's Name:		••	•	·
Samples(s) on hold until:		If releas		
REVIEW:		<u> </u>	R	1000
Project Management:			Date: _	10-76-0)

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

941092SEI

Chain of Custody Record

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CHAIN OF CUSTODY NUMBER \$8012148-001

Y NIWREP

SEVERN STIL

Severn Trent Laboratories, Inc.

STL4149 (1202)		٠					
Client		Project Manager			7	Date	
Tetra Tech, Inc.	,	Greg Pope				10/16/2007	Page 1 of 6—
		Telephone Number (Area Code)/Fax Number	er (Area Code)/F	ax Number	7	Lab Location	analysis
1703 W Industrial Ave		(432) 686-	-8081 / (000	(0)		TestAmerica Austin	Aidigas
City	Zip Code	Site Contact				į	E
Nidland	79701	Greg Pope					
Project Number/Name		Carrier/Waybill Number	umber				
3373 K Hobbs Jct Remediation							7 S A
Contract/Purchase Order/Quote Number							2
	R/450TBD/1/000010130037-00042/	130037-00042/				QUOTE: 55401	
	Date Time	Sample Type	Cont	Containers	Preservative	e Condition on Receipt/Comments	
Sample I.D. Number and Description		_	Volume		\dashv	-+	0:
1	(0340) R30		\neg	AMBER	an l	2.10/10 to 10/24/10/20	
		WATER	40 m.c.	VIAL	4 1:1 HCL	Je COV AND	X X
1	<i>≯</i>	WATER	250nL	PLASTIC	1 None	,	X
15 J. S. S.	5.5.8. colhe/01	S WATER	11.	AMBER	2 None		№
		WATER	40 m L	VIAL	4 1:1 HCL		XX
2	7	WATER	250nL	PLASTIC	1 None		X
000	019 Colyelos	WATER	11	AMBER	2 None		×
1	-	WATER	40ml	VIAL	4 1:1 HCL		XXX
	→	WATER		PLASTIC	1 None		X
10 mm	04 6 10 4E 91	NATER C	11	AHBER	2 None		X
		HATER	40nl	VIAL	4 1:1 HCL		XXX
7	4	WATER	250nL	PLASTIC	1 None		X
S CONTRACTOR OF STREET	00:01 20/HE/01	OF WATER	1L,	AMBER	2 None		X
	┢╌	WATER	40mL	VIAL	4 1:1 HCL		XXX
>	トト	WATER	250nL	PLASTIC	1 None		X
, , , , , , , , , , , , , , , , , , , ,				,			
Special Instructions TPH-GRO & D	DRO, 8021 BTEX, ch	chloride	SA	SAMPLER TO A	ADD TRIP BLKS	TO COC AS NEEDED	
Possible Hazard Identification							(A fee may be assessed if samples are
lammable	Skin Irritant Doison B	-	Return To Client	Client	Disposal By Lab	Archive For Months	retained longer triain 3 montus;
Turn Around Time Required	Set	OC Lave!		Project Sp	Project Specific Requirements (Specify)	s (Specify)	7
L KUSII		1	Time	1 Received By	d Bv		Time
1. Relinquished By	· (10/35/07				A X	4 107 1830
2. Relinquished By		Date	Time	2. Received By	d By	•	147
3. Relinquished By		Date	Time	3. Received By	d By		Date Time
		,		,			
Comments							



STL4149 (1202)

CHAIN OF CUSTODY NUMBER \$4012148-002



83964

Severn Trent Laboratories, Inc.

Client		Project Manager		Date	ife		
Tetra Tech, Inc.		Gred Pope			0/16/2007	Page	
Address		Telephone Number (Telephone Number (Area Code)/Fax Number	ra	Lab Location	Anstraic	,
1703 W Industrial Ave		989	-8081 / (000)	E. d	TestAmerica Austin	Alidiyələ	
City State	Zip	Site Contact				G	
Midland	79701	Greq Pope				0 B B O	
Project Number/Name		Carrier/Waybill Number	ber			8 H 8	
3373 K Hobbs Jot Remediation						7 S A	
Contract Purchase Order/Quote Number	8/450430/1/000010	11/000010130037-00042/			0110 18: 54401	2	
and Description	Date	1 1	Containers	Preservative	Conditi	1	
campie to transfer and coordinate		246. 214	_	┿.	-+-	1 0	_
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1010/10/10	MATER	AGMI. WTAI.	A 1.1 HCT.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	A	+
7	÷	WATER		1 None		, X	
, MW 15	0401 10/46/01	WATER	11, ANBER	2 None		D<	
		WATER	49ml, VIAL	4 1:1 HCL		XX	
<i>\</i>	5	WATER	250ml PLASTIC	1 None		Doc .	
75 5	10 11 70/46/01	- 1	11. AKBER	2 None		Δ<	
		WATER	40ml, VIAL	4 1:1 HCL		XX	
→	→	WATER	250ml, PLASTIC	1 None		X	
mw 5	CE 11 70/46/01	WATER	11. ANBER	2 None			-
		WAFER	40ml, VIAL	4 1:1 HCL		D-3	
\$?	WATER	250ml PLASTIC	1 None		D-9	
MV 36	55.61 Col 40.001	WATER	11, ANBER	2 None		bet	
		WATER	40ml VIAL	4 1:1 HCL		XX	_
\$	>	WATER	250mL PLASTIC	1 None		X	
1	3						
Special Instructions TPH-GRO &	& DRO, 8021 BTEX, ch.	chloride	SAMPLER TO ADD	TRIP BLKS	TO COC AS NEEDED		ta i a
Possible Hazard Identification			Sample Disposal			cases it hospopre of usar out 1/	0.00
☐ Non-Hazard ☐ Flammable ☐ Sk	Skin Irritant Poison B	Unknown	Return To Client	Disposal By Lab	Archive For Months	(A fee first be assessed it satisfies are retained fonger than 3 months)	מומ
Turn Around Time Required Rush	ther	ł —	Project Spec	Project Specific Requirements (Specify)	Specify)		-
hed By		_	Time 1, Received By	By ()		Date	1
Soft restations of	N	19807	Ď	1		1024 0X 08	d
2. Relinquished By		Date	Time 2.{Received By	Ву	7	Date' I'me	147
3. Relinquished By		Date	Time 3. Received By	Ву		Date	۵.
Comments							

Chain of Custody Record

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CHAIN OF CUSTODY NUMBER

\$6012148-603

SEVERN STI

Severn Trent Laboratories, Inc.

145/147 (A fee may be assessed if samples are retained longer than 3 months) Time 3 of Analysis Date Page. Preservative | Condition on Receipt/Comments Months 3.2(4 c/2 color Seconociable TestAmerica Austin COC AS NEEDED 100TE: 55401 Archive For_ 10/16/2007 Lab Lócation Project Specific Requirements (Specify) ٦ 1 Date SAMPLER TO ADD TRIP BLKS Disposal By Lab 1:1 HCL 1:1 HCL 1:1 HCL 1:1 HCL 1:1 HCL None 1. Received By 3. Received By Ş, Telephone Number (Area Code)/Fax Number PLASTIC PLASTIC PLASTIC PLASTIC PLASTIC ANBER AMBER AMBER ANBER AKBER Containers VIAL VIAL Return To Client VIAL (432) 686-8081 / (000) Sample Disposal 130 40mL 250mL 40m1 250nL 40mL 250mL 250mL 250mL 40mL 40m1 Volume 二 Ξ Time Carrier/Waybill Number Gred Pope Unknown Project Manager R/450TBD..../1/000010130037-00042/ \Box //. Date 350427 Sample Type Site Contact QC Lave WATER WATER WATER WATER KATER WATER WATER WATER WATER WATER WATER Q'15T WATER WATER WATER <u>'</u> TPH-GRO & DRO, 8021 BTEX, chloride Date Date 9 Poison B Time 0,7 FOLE OF 70/HE/01 7.7/4E/C 40/HC)0 Colhel a 79701 Date Zip Code Skin Irritant Of ther State **⊱**~ Sample I.D. Number and Description CONTRACT / PURCHASE ORDER # : 3373 E Hobbs Jct Remediation Contract/Purchase Order/Quote Number Flammable ☐ Rush 1703 W Industrial Ave Possible Hazard Identification Turn Fround Time Required Petra Tech, Inc. y hast Project Number/Name *ي* ۍ MU 27 my 22 Special Instructions 1. Relinquiphed By 3. Relinquished By STL4149 (1202) mw 13 25.2 Non-Hazard MA Normal Comments Midland



STL4149 (1202)

CHAIN OF CUSTODY NUMBER \$6012148-004

Severn Trent Laboratories, Inc. SEVERN STE



Client		Project Manager			<u>a</u>	Date		
Tetra Tech, Inc.		Greq Pope				19/16/2007	Page of	
		Telephone Number	er (Area Code)/Fax Number	ax Number	Te le	Lab Location	Andreis	
1703 W Industrial Ave		(432) 686	686-8081 / (000	00)	<u>.</u>	TestAmerica Austin	Alldiysis	
City	Zip Code	Site Contact					I L D	
Nidland	79701	Greq Pope					ري م	
Project Number/Name		Carrier/Waybill Number	ımber				H	
3373 E Hobbs Jct Remediation							S2 .	
CONTRACT CONTRACT CONTRACT DIVINE	ው/ለፍልጥዋክ / 1 / 688 <i>08</i>	10000-10100000111				011040 . 46.881		
	=	77 \$ 0 0 0 - 1 0 0 0 0 1 0 1	Cont	Containers		\vdash	=	
Sample I.D. Number and Description	Date Time	ne Sample Type -	Volume	Type No.	Preservative	Condition on Receipt/Comments	- L-	
M W - 14	10/25/ cz 12:30	35 WATER	11.	AHBER .	None	36 14 M24 MA	D	
,			40ml	VIAL 4	1:1 HGL	Con Con War	× ×	
\mathcal{N}	アーグ	WATER	250 m.L.	PLASTIC	None		A	
. mw-18	10/sejo1	845 HATER	11	AMBER 2	\rightarrow		X	
	,	WATER	40ml.	VIAL	1:1 HCL		A A	
\$	7	WATER	250mL	PLASTIC 1	None		S	
. MV -13	10/25/27 900	20 WATER	11	AMBER 2			D	
		WATER	40mL	VIAL. 4	1:1 HCL		X X	
<i>→</i>	うう	YATER .	250mL	PLASTIC	None		D =	
. ∠VE-10	rolselui	924 WATER	11	AMBER 2			Det	
		WATER	40nl.	VIAL 4	1 1 HCL		Z K	
7	4	WATER	250mL	PLASTIC 1	None		A.	
m 2 - 6	10/25/07 945	45 WATER	11	AMBER	None		A	
	,	WATER	40 m L	VIAL A	1.1 HCL		A A	
>	7	WATER	250mL	PLASTIC 1	None		A	
)							
Special Instructions TPH-GRO & D	DRO, 8021 BTEX,	chloride	S	SAMPLER TO ADD	TRIP BLKS	TO COC AS NEEDED		·
Possible Hazard Identification			Sample Disposal	sal			res Ji possosse of nem oof V)	moles are
☐ Non-Hazard ☐ Flammable ☐ Skii	Skin Irritant Poison B	n B 🗀 🔲 Unknown	Return To Client		Disposal By Lab	Archive For Months	retained longer than 3 months)	s)
e Required		QC Lavel		Project Specifi	Project Specific Requirements (Specify)	(Specify)		
- Rush Other	her		□ <i>III</i> .					
1. Relinquished By		iolate 1	1.20	1. Received By C			Date D 24 D 7	146 (7%)
shed By		2	Time	2. Received By				147)
3 Relinquished By		Date	Time	3 Received By			T. Oate	7
o. Neill quisting by			2		_			
Comments								

CHAIN OF CUSTODY NUMBER \$8012148-005

Severn Trent Laboratories, Inc. TRENT STL

Chain of Custody Record

STL4149 (1202)								:
Client		Project Manager			Date			
Tetra Tech, Inc.		Greg Pope			10	10/16/2007	Page 5 of	9
		Telephone Number (Area Code)/Fax Number	' (Area Code)/Fax	Number	rap	Lab Location	Analysis	
1703 W Industrial Ave		-989	8081 / (000)		F 6	TestAmerica Austin		
City . State	Zip Code	Site Contact					E	
Nidland	79701	Greq Pope					ᄜ	
Project Number/Name		Carrier/Waybill Number	nber				H	
3373 K Hobbs Jct Remediation							O V S L	
CONTRACT / PURCHASE ORDER # : R/450TBD	:	./1/000010130037-00042/				QUOTE: 55401	1 1 0 1	
notation of backgrounds of classes	Date	Samole Tvne	Contair	ŀ	- Preservative	Condition on Receipt/Comments	P4 .	
. Ivumber and Description		odf. oddino		δ 8	-+			
1-d-0	10/35/07 9:17	WATER	1	æ.	None	-15.1		
	j	FATER	7		+	10, (O) 10A	. X X	
7	ş	WATER	250mL PL	ıc	1 None		X.	
E- 0110 .	10 Parlo7 957	WATER	コ	AMBER 2	Мопе		_	
		FATER	1	VIAL	1:1 HCL		XX	
>	ク	WATER	250ml Pl	PLASTIC 1	None		X	
		WATER	1L AM	AMBER 2	None		Y.	
		HATER	40nl VIAL	AL 4	1:1 HCL		XX	
		FATER	250ml PL	PLASTIC 1	None		X	
		WATER	1L AN	AMBER 2	None		X	
		WATER	40nl VIAL	A L 4	1:1 HCL		XX	
-		WATER	250ml PL	PLASTIC 1	None		X	
		WATER	1L AM	AMBER 2	None		X	
		WATER	40nL VIAL	AL 4	-+		XXX	
		WATER	250ml PL	PLASTIC	None		X	
Taip Blank			4011 V	14/	į			
Special Instructions TPH-GRO & DRO,	8021 BTEX,	chloride	SANPLER	LER TO ADD	TRIP BLKS TO	O COC AS NEEDED		
Possible Hazard Identification			Sample Disposal				ii bassasse ad vem aal 4/	samoles are
Non-Hazard Flammable Skin Irritant	Irritant Poison B	Unknown	Return To Client		Disposal By Lab	Archive For Months	retained longer than 3 months)	nths)
ne Required		QC Lave/		Project Speci	S (8	pecify)		
Normal Rush AOther		 -	[]				2720	Timo
1. Relinquished By		10 35 07	Time	1. Repeived By		A CASA	11/2 CU (C/2	(47/ (280)
2. Relinquished By		Date	Time	2. Received By			Date	147
2 Delinanished Bu		Date	Time	3. Received By	3y		Date	Time
s. Reiniquisited by								
Comments								



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

Conoco, Inc.

Certificate of Analysis Number:

08020045

 Report To:
 Project Name:
 PPL EHJ

 Tetra Tech
 Site:
 Hobbs

 Greg Pope
 Site Address:

1703 W Industrial Avenue

Midland
TX

PO Number:
State: New Mexico

79701ph: (432) 686-8081 fax:

<u>Date Reported:</u> 2/13/2008

This Report Contains A Total Of 46 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments



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

Case Narrative for: Conoco, Inc.

Certificate of Analysis Number:

08020045

Report To:

Project Name:

PPL EHJ

Tetra Tech

Site:

Hobbs

Greg Pope

Site Address:

Midland

PO Number:

New Mexico

TX

State:

79701-

State Cert. No.:

2/13/2008

ph: (432) 686-8081 fax:

1703 W Industrial Avenue

Date Reported:

At the time of sample receipt, it was noted that SPL received sample ID "Trip Blank" (SPL ID: 08020045-24) not recorded on the chain of custody. Per your email instruction on February 5, 2008, the sample will be analyzed for Purgeable Aromatics by SW 846 Method 8021B.

Upon receipt of your samples, one vial for your sample ID "MW-12" (SPL ID: 08020045-18) was received broken for the Purgeable Aromatics by SW846 Method 8021B and Gasoline Range Organics by SW846 Method 8015B analyses. However, five remain to perform the analyses requested.

Upon receipt of your samples, one amber liter for your sample ID "MW-5" (SPL ID: 08020045-09) was received broken for the Diesel Range Organics by SW 846 Method 8015 analysis. However, one remains to perform the analysis requested.

The pH of sample ID "SVE-10" (SPL ID: 08020045-19) was checked at the time of the Volatile Organics analysis and the pH was greater than 2. Although the sample was collected in a VOA vial preserved with HCl, the sample was not properly preserved to a pH less than 2, which may be due to the matrix of the sample. The analysis of the sample was not completed within seven days of the collection date.

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

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

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

Your sample ID "MW-27" (SPL ID:08020045-11) was randomly selected for use in SPL's quality control program for the Purgeable Aromatics analysis by SW846 Method SW8021. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Benzene (Batch ID:R227478) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

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

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

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

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

08020045 Page 1

2/13/2008

Date

Bethany A. Agarwal

Senior Project Manager

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







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

Case Narrative for: Conoco, Inc.

Certificate of Analysis Number:

08020045

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

Bethan Agamel

08020045 Page 2 2/13/2008



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



Conoco, Inc.

Certificate of Analysis Number:

08020045

Report To:

Fax To:

Tetra Tech

Greg Pope

1703 W Industrial Avenue

Midland

TX

79701-

ph: (432) 686-8081

fax: (432) 686-8085

Project Name:

PPL EHJ

Site:

Hobbs

Site Address:

PO Number:

State:

New Mexico

State Cert. No.:

Date Reported:

2/13/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW 21	08020045-01	Water	1/30/2008 8:15:00 AM	2/1/2008 10:00:00 AM	299121	
MW 16	08020045-02	Water	1/30/2008 8:30:00 AM	2/1/2008 10:00:00 AM	299121	
MW 25	08020045-03	Water	1/30/2008 9:35:00 AM	2/1/2008 10:00:00 AM	299121	
MW 25	08020045-03	Water	1/30/2008 9:35:00 AM	2/1/2008 10:00:00 AM	299122	
MW 20	08020045-04	Water	1/30/2008 8:45:00 AM	2/1/2008 10:00:00 AM	299122	
MW 17	08020045-05	Water	1/30/2008 9:15:00 AM	2/1/2008 10:00:00 AM	299122	
MW 24	08020045-06	Water	1/30/2008 10:00:00 AM	2/1/2008 10:00:00 AM	299123	
MW 15	08020045-07	Water	1/30/2008 10:30:00 AM	2/1/2008 10:00:00 AM	299123	
MW 4	08020045-08	Water	1/30/2008 10:50:00 AM	2/1/2008 10:00:00 AM	299123	
MW 4	08020045-08	Water	1/30/2008 10:50:00 AM	2/1/2008 10:00:00 AM	299124	
MW 5	08020045-09	Water	1/30/2008 1:05:00 PM	2/1/2008 10:00:00 AM	299124	
MW 26	08020045-10	Water	1/30/2008 1:25:00 PM	2/1/2008 10:00:00 AM	299124	
MW 27	08020045-11	Water	1/30/2008 1:50:00 PM	2/1/2008 10:00:00 AM	299125	
MW 23	08020045-12	Water	1/30/2008 2:10:00 PM	2/1/2008 10:00:00 AM	299125	
MW 22	08020045-13	Water	1/30/2008 2:25:00 PM	2/1/2008 10:00:00 AM	299125	
MW 22	08020045-13	Water	1/30/2008 2:25:00 PM	2/1/2008 10:00:00 AM	299126	
MW 13	08020045-14	Water	1/30/2008 2:40:00 PM	2/1/2008 10:00:00 AM	299126	
MW 19	08020045-15	Water	1/30/2008 3:00:00 PM	2/1/2008 10:00:00 AM	299126	
MW 14	08020045-16	Water	1/30/2008 3:15:00 PM	2/1/2008 10:00:00 AM	299127	
MW 18	08020045-17	Water	1/30/2008 3:30:00 PM	2/1/2008 10:00:00 AM	299127	
MW 12	08020045-18	Water	1/31/2008 7:55:00 AM	2/1/2008 10:00:00 AM	299128	
SVE-10	08020045-19	Water	1/31/2008 8:30:00 AM	2/1/2008 10:00:00 AM	299128	
MW 6	08020045-20	Water	1/31/2008 9:05:00 AM	2/1/2008 10:00:00 AM	299128	
MW 6	08020045-20	Water	1/31/2008 9:05:00 AM	2/1/2008 10:00:00 AM	299129	

Bethany A. Agarwal Senior Project Manager 2/13/2008

Date

Richard R. Reed Laboratory Director

Ted Yen

Quality Assurance Officer





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

Conoco, Inc.

Certificate of Analysis Number:

08020045

Report To:

Fax To:

Tetra Tech

Greg Pope

1703 W Industrial Avenue

Midland

ΤX

79701-

ph: (432) 686-8081

fax: (432) 686-8085

Site Address:

Site:

Project Name:

PO Number:

State:

New Mexico

PPL EHJ

Hobbs

State Cert. No.:

Date Reported: 2/13/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW 8	08020045-21	Water	1/31/2008 10:00:00 AM	2/1/2008 10:00:00 AM	299129	
DUP 2	08020045-22	Water	1/31/2008 8:17:00 AM	2/1/2008 10:00:00 AM	299129	
DUP #3	08020045-23	Water	1/31/2008 2:17:00 PM	2/1/2008 10:00:00 AM	299130	
Trip Blank	08020045-24	Water	1/31/2008	2/1/2008 10:00:00 AM	299130	

Bethany A. Agarwal

Senior Project Manager

2/13/2008

Date

Richard R. Reed Laboratory Director

Ted Yen -Quality Assurance Officer



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

			Sit	e: Hob	bs					
Analyses/Method	Result	QUAL	R	ep.Limit	Dil	l. Facto	Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL					MCL		E325.2	Ur	nits: mg/L	
Chloride	1110			20		20	02/09/08			4272186
DIESEL RANGE ORGANICS					MCL	S	W8015B	Ur	nits: mg/L	
Diesel Range Organics (C10-C28) ND			0.1		1	02/09/08	19:55	NW	4271989
Surr: n-Pentacosane	56.2		%	20-150		1	02/09/08	19:55	NW	4271989
Prep Method Prep D	 ate	Prep Initials	<u>Prer</u>	Factor						
SW3510C 02/05/2	2008 13:09	LLL	1.00							
GASOLINE RANGE ORGANI	CS				MCL	S	W8015B	Ur	nits: mg/L	
Gasoline Range Organics	ND			0.1		1	02/08/08	21:21	ILS	4271959
Surr: 1,4-Difluorobenzene	97.0		%	60-155		1	02/08/08	21:21	iLS	4271959
Surr: 4-Bromofluorobenzene	104		. %	50-158		1	02/08/08	21:21	ILS	4271959
PURGEABLE AROMATICS					MCL	S	W8021B	Ur	nits: ug/L	
Benzene	ND			1		1	02/08/08	21:21	ILS	4272077
Toluene	ND			1		1	02/08/08	21:21	ILS	4272077
Ethylbenzene	ND			1		1	02/08/08	21:21	ILS	4272077
m,p-Xylene	ND			1		1	02/08/08	21:21	ILS	4272077
o-Xylene	ND			1		1	02/08/08	21:21	ILS	4272077
Xylenes,Total	ND			1		1	02/08/08	21:21	ILS	4272077
Surr: 1,4-Difluorobenzene	105		%	39-163		1	02/08/08	21:21	ILS .	4272077
Surr: 4-Bromofluorobenzene	102		%	57-157		1	02/08/08	21:21	ILS	4272077

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference





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

Client Sample ID:MW 16	Collected: 01/30/2008 8:	30 SPL Sample ID: 08020045-02
------------------------	--------------------------	-------------------------------

Site:	Hobbs	
SHE:	modos	i

				Sit	e: Hob	bs					
Analyses/Method	Resi	ult	QUAL	R	ep.Limit	Ε	Dil. Facto	r Date Analy	zed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Ur	nits: mg/L	
Chloride	17	73			5		5	02/09/08 1	4:23	A_E	4272183
DIESEL RANGE ORGA	ANICS					MCL	S	W8015B	Ur	nits: mg/L	
Diesel Range Organics (C10-C28) N	D			0.1		1	02/09/08 2	1:11	NW	4271992
Surr: n-Pentacosane	67	.4		%	20-150		1	02/09/08 2	1:11	NW	4271992
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:09		LLL	1.00							
GASOLINE RANGE O	RGANICS					MCL	S	W8015B	Ur	nits: mg/L	
Gasoline Range Organic	s N	D			0.1		1	02/08/08 2	1:49	ILS	4271960
Surr: 1,4-Difluorobenze	ene 99	.3		%	60-155		1	02/08/08 2	1:49	ILS	4271960
Surr: 4-Bromofluorobe	nzene 10)2		. %	50-158		1	02/08/08 2	1:49	ILS	4271960
PURGEABLE AROMA	TICS		· · · · · · · · · · · · · · · · · · ·		· ·	MCL	S	W8021B	Ur	nits: ug/L	
Benzene	N	D			1		1	02/08/08 2	1:49	ILS	4272078
Toluene	N	D			1		. 1	02/08/08 2	1:49	ILS	4272078
Ethylbenzene	. N	D			1		1	02/08/08 2	1:49	ILS	4272078
m,p-Xylene	N	D			1		1	02/08/08 2	1:49	ILS	4272078
o-Xylene	N	D			1		1	02/08/08 2	1:49	ILS	4272078
Xylenes,Total	N	D			1		1	02/08/08 2	1:49	ILS	4272078
Surr: 1,4-Difluorobenzo	ene 10)2		%	39-163		1	02/08/08 2	1:49	ILS	4272078
Surr: 4-Bromofluorobe	nzene 10)1		%	57-157		1	02/08/08 2	1:49	ILS	4272078

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

· MI - Matrix Interference

08020045 Page 6 2/13/2008 2:26:57 PM



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

02/08/08 22:17

02/08/08 22:17

02/08/08 22:17

02/08/08 22:17

02/08/08 22:17

1

1

1

1

ILS

ILS

ILS

ILS

ILS

4272079

4272079

4272079

4272079

4272079

Client Sample ID:MW 25	Collected: 01/30/2008 9:35	SPL Sample ID:	08020045-03
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· 				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	R	ep.Limit	Di	I. Factor	Date Analy	zed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Ur	its: mg/L	
Chloride		461			20		20	02/09/08 1	4:48	A_E	4272187
DIESEL RANGE ORGA	ANICS	•				MCL	SV	V8015B	Ur	nits: mg/L	
Diesel Range Organics (0	C10-C28)	0.39			0.1		1	02/09/08 2	1:37	NW	4271993
Surr: n-Pentacosane		66.8		%	20-150		1	02/09/08 2	1:37	NW	4271993
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:0	09	LLL .	1.00							
GASOLINE RANGE O	RGANICS					MCL	SI	W8015B	Ur	nits: mg/L	
Gasoline Range Organics	3	0.12			0.1		1	02/08/08 2	2:17	ILS	4271961
Surr: 1,4-Difluorobenze	ene	104		%	60-155		1	02/08/08 2	2:17	ILS	4271961
Surr: 4-Bromofluorober	nzene	107		%	50-158		1	02/08/08 2	2:17	ILS	4271961
PURGEABLE AROMA	TICS					MCL	SI	N8021B	Ur	nits: ug/L	
Benzene		ND			1		1	02/08/08 2	2:17	ILS	4272079
Toluene		ND			1	•	1	02/08/08 2	2:17	ILS	4272079
Ethylbenzene		ND			1		1	02/08/08 2	2:17	ILS	4272079

1

39-163

57-157

%

Oua	lifiers:
uua	IIII EI 5.

m,p-Xylene

Xylenes, Total

Surr: 1,4-Difluorobenzene

Surr: 4-Bromofluorobenzene

o-Xylene

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

ND

ND

ND

107

107

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



Client Sample ID:MW 20

HOUSTON LABORATORY

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

SPL Sample ID:

08020045-04

				Site:	Hob	bs				
Analyses/Method	F	Result	QUAL	Rep.	Limit	[Dil. Facto	or Date Ana	lyzed Analyst	Seq. #
CHLORIDE, TOTAL						MCL		E325.2	Units: mg/L	
Chloride	,	85			1		1	02/09/08	14:14 A_E	4272179
DIESEL RANGE ORG	ANICS					MCL		SW8015B	Units: mg/L	
Diesel Range Organics (C10-C28)	ND			0.1		1	02/09/08	22:02 NW	4271994
Surr: n-Pentacosane		56.0		% 20	0-150		1	02/09/08	22:02 NW	4271994
Prep Method	Prep Date		Prep Initials	Prep Fa	ictor					
SW3510C	02/05/2008 13:09		LLL	1.00						
GASOLINE RANGE O	RGANICS					MCL	5	SW8015B	Units: mg/L	
Gasoline Range Organic	S	ND			0.1		1	02/08/08	22:45 ILS	4271962
Surr: 1,4-Difluorobenz	ene	98.7		% 60)-155		1	02/08/08	22:45 ILS	4271962

Collected: 01/30/2008 8:45

Surr: 4-Bromofluorobenzene	104	%	50-158		1	02/08/08 22	:45 ILS	4271962
PURGEABLE AROMATICS				MCL		SW8021B	Units: ug/L	
Benzene	ND		1		1	02/08/08 22	:45 ILS	4272080
Toluene	ND		1		1	02/08/08 22	:45 ILS	4272080
Ethylbenzene	ND		1		1	02/08/08 22	:45 ILS	4272080
m,p-Xylene	ND		1	· · · · · · · · · · · · · · · · · · ·	1	02/08/08 22:	:45 ILS	4272080
o-Xylene	ND		. 1		1	02/08/08 22	:45 ILS	4272080
Xylenes,Total	ND		1		1	02/08/08 22:	:45 ILS	4272080
Surr: 1,4-Difluorobenzene	101	%	39-163		1	02/08/08 22:	:45 ILS	4272080
Surr: 4-Bromofluorobenzene	103	%	57-157		1	02/08/08 22:	:45 ILS	4272080

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



Surr: 1,4-Difluorobenzene

Surr: 4-Bromofluorobenzene

HOUSTON LABORATORY

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

02/08/08 23:13

02/08/08 23:13 ILS

ILS

4272081 4272081

Client Sample ID:MW 17	Collected: 01/30/2008 9:15	SPL Sample ID:	08020045-05
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			Sit	te: Hob	bs	_				
Analyses/Method	Result	QUAL	R	ep.Limit	Dil	. Factor	Date Analy	zed	Analyst	Seq.#
CHLORIDE, TOTAL					MCL		E325.2	Un	its: mg/L	
Chloride	255			5		5	02/09/08 1	4:23	A_E	4272184
DIESEL RANGE ORGAI	NICS				MCL	S	W8015B	Un	its: mg/L	
Diesel Range Organics (C	10-C28) 0.25			0.1		1	02/09/08 2		NW	4271995
Surr: n-Pentacosane	87.0		%	20-150		1	02/09/08 2	2:28	NW	4271995
Prep Method F	Prep Date	Prep Initials	s Prer	Factor						
	02/05/2008 13:09	LLL	1.00	<u> </u>						
GASOLINE RANGE OR	GANICS				MCL	S	W8015B	Un	nits: mg/L	
Gasoline Range Organics	ND			0.1		1	02/08/08 2	3:13	ILS	4271963
Surr: 1,4-Difluorobenzer	ne 96.0		%	60-155		1	02/08/08 2	3:13	ILS	4271963
Surr: 4-Bromofluorobenz	zene 102		%	50-158		1	02/08/08 2	3:13	ILS	4271963
PURGEABLE AROMAT	ics				MCL	S	W8021B	Un	nits: ug/L	
Benzene	ND			1		1	02/08/08 2	3:13	ILS	4272081
Toluene	ND			1		1	02/08/08 2	3:13	ILS	4272081
Ethylbenzene	ND			1		1	02/08/08 2	3:13	ILS	4272081
m,p-Xylene	ND			1		1	02/08/08 2	3:13	ILS	4272081
o-Xylene	ND			1		1	02/08/08 2	3:13	ILS	4272081
Xylenes,Total	. ND			1		1	02/08/08 2	3:13	ILS	4272081

39-163

57-157

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

106

103

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Citetit Sample ID.W	VV ZT				nected. o	170072000	10.00	JF L Jan	ibie i	D. 0002	
				Sit	te: Hob	bs					
Analyses/Method		Result	QUAL	R	ep.Limit	Dii	i. Factor	Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Ur	nits: mg/L	
Chloride		185			5		5	02/09/08	14:23	A_E	4272185
DIESEL RANGE OR	GANICS					MCL	SV	V8015B	Ur	nits: mg/L	
Diesel Range Organic	s (C10-C28)	0.16			0.1		1	02/09/08 2	22:54	NW	4271996
Surr: n-Pentacosan	e	76.0		%	20-150		1	02/09/08 2	22:54	NW	4271996
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 1	3:09	LLL	1.00)						
GASOLINE RANGE	ORGANICS					MCL	SV	V8015B	Ur	nits: mg/L	
Gasoline Range Organ	nics	0.21			0.1		1	02/09/08	2:30	ILS	4271969
Surr: 1,4-Difluorobe	nzene	113		%	60-155		1	02/09/08	2:30	ILS	4271969
Surr: 4-Bromofluoro	benzene	104		%	50-158		1	02/09/08	2:30	ILS	4271969
PURGEABLE ARON	MATICS				<u> </u>	MCL	SV	V8021B	Ur	nits: ug/L	
Benzene		1.8			1		1	02/09/08	2:30	ILS	4272085
Toluene		ND			1		1	02/09/08	2:30	ILS	4272085
Ethylbenzene		6.9			1		1	02/09/08	2:30	ILS	4272085
m,p-Xylene		1.2			1		1	02/09/08	2:30	ILS	4272085
o-Xylene		ND			1		1	02/09/08	2:30	ILS	4272085
Xylenes,Total		1.2			1		1	02/09/08	2:30	ILS	4272085
Surr: 1,4-Difluorobe	nzene	108		%	39-163		1	02/09/08	2:30	ILS	4272085
Surr: 4-Bromofluoro	benzene	104		%	57-157		1	02/09/08	2:30	ILS	4272085

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID:MW 15

Collected: 01/30/2008 10:30 SPL

SPL Sample ID:

02/09/08 21:21

02/09/08 21:21

02/09/08 21:21

02/09/08 21:21

1

ILS

ILS

ILS

ILS

08020045-07

4272167

4272167

4272167

4272167

				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	R	ep.Limit	Di	I. Factor	Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Ur	its: mg/L	
Chloride		289			20		. 20	02/09/08	14:48	A_E	4272188
DIESEL RANGE ORG	ANICS					MCL	SI	N8015B	Ur	its: mg/L	
Diesel Range Organics (C10-C28)	5.7			0.5		5	02/10/08		NW .	4272007
Surr: n-Pentacosane		71.8		%	20-150		5	02/10/08	9:54	NW	4272007
Prep Method	Prep Date		Prep Initia	ls Prep	Factor						
SW3510C	02/05/2008 1	3:09	LLL	1.00							-
GASOLINE RANGE O	RGANICS					MCL	SI	W8015B	Ur	its: mg/L	
Gasoline Range Organic	S	0.55			0.5	,	5	02/09/08	3 2:58	ILS	4271970
Surr: 1,4-Difluorobenz	ene	103		%	60-155		5	02/09/08	3 2:58	ILS	4271970
Surr: 4-Bromofluorobe	nzene	109		%	50-158		5	02/09/08	3 2:58	ILS	4271970
PURGEABLE AROMA	TICS					MCL	SI	W8021B	Ur	nits: ug/L	
Benzene		1.5			1		1	02/09/08	21:21	ILS	4272167
Toluene		. ND			1		1	02/09/08	21:21	ILS	4272167
Ethylbenzene		ND			1		1	02/09/08	21:21	ILS	4272167
m,p-Xylene		ND			1		1	02/09/08	21:21	ILS	4272167

39-163

57-157

Qualifiers:

o-Xylene Xylenes,Total

Surr: 1,4-Difluorobenzene

Surr: 4-Bromofluorobenzene

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

ND

ND

113

107

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID: MW 4 Collected: 01/30/2008 10:50 SPL Sample ID: 08020045-08

Site:	11-66-
Site:	Hobbs

			Sit	e: Hob	bs					
Analyses/Method	Result	QUAL	R	ep.Limit	D	il. Facto	r Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL					MCL		E325.2	Ur	nits: mg/L	
Chloride	36.8			1		1	02/09/08	14:14	A_E	4272180
DIESEL RANGE ORGA	ANICS			**	MCL	S	W8015B	Ur	nits: mg/L	
Diesel Range Organics (C10-C28) ND			0.1		1	02/10/08	0:36	NW	4271998
Surr: n-Pentacosane	65.6		%	20-150		11	02/10/08	0:36	NW	4271998
Prep Method	Prep Date	Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:09	LLL	1.00							
GASOLINE RANGE O	RGANICS				MCL	S	W8015B	Ur	nits: mg/L	
Gasoline Range Organics	s ND			0.1		1	02/09/08	3:26	ILS	4271971
Surr: 1,4-Difluorobenze	ene 98.3		%	60-155		1	02/09/08	3:26	ILS	4271971
Surr: 4-Bromofluorobe	nzene 102		%	50-158		1	02/09/08	3:26	ILS	4271971
PURGEABLE AROMA	TICS				MCL	S	W8021B	Ur	nits: ug/L	
Benzene	ND			1		1	02/09/08	3:26	ILS	4272086
Toluene	ND			1		1	02/09/08	3:26	ILS	4272086
Ethylbenzene	ND			1		1	02/09/08	3:26	ILS	4272086
m,p-Xylene	ND			1		1	02/09/08	3:26	ILS	4272086
o-Xylene	ND			1		1	02/09/08	3:26	ILS	4272086
Xylenes,Total	ND			. 1		1	02/09/08	3:26	ILS	4272086
Surr: 1,4-Difluorobenze	ene 102		%	39-163		1	02/09/08	3:26	ILS	4272086
Surr: 4-Bromofluorobe	nzene 99.4		%	57-157		1	02/09/08	3:26	ILS	4272086

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID:MW 5

Collected: 01/30/2008 13:05

SPL Sample ID:

08020045-09

	ite:	Hobbs
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				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	Re	p.Limit	Dil	. Fac	tor Date Analyz	zed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Uni	its: mg/L	
Chloride		38.6			1		1	02/09/08 15			4272191
DIESEL RANGE ORG	SANICS					MCL		SW8015B	Uni	its: mg/L	
Diesel Range Organics	(C10-C28)	0.11			0.1		1	02/10/08 1		NW	4271999
Surr: n-Pentacosane		60.4		%	20-150		1	02/10/08 1	1:02	NW	4271999
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:0	9	LLL	1.00							
GASOLINE RANGE	ORGANICS					MCL		SW8015B	Un	its: mg/L	
Gasoline Range Organi	cs	ND			0.1		1	02/09/08 3	3:54	ILS .	4271972
Surr: 1,4-Difluoroben	zene	94.7		%	60-155		1	02/09/08 3	3:54	ILS	4271972
Surr: 4-Bromofluorob	enzene	101		%	50-158		1	02/09/08 3	3:54	ILS	4271972
PURGEABLE AROM	ATICS					MCL		SW8021B	Uni	its: ug/L	,
Benzene		ND			1		1	02/09/08 3	3:54	ILS	4272087
Toluene		ND			1		1	02/09/08	3:54	ILS	4272087
Ethylbenzene		ND			1		1	02/09/08 3	3:54	ILS	4272087
m,p-Xylene		ND			. 1		1	02/09/08	3:54	ILS	4272087
o-Xylene		ND			1		1	02/09/08	3:54	ILS	4272087
Xylenes,Total		ND			1		1	02/09/08	3:54	ILS	4272087
Surr: 1,4-Difluoroben	zene	103		%	39-163		1	02/09/08	3:54	ILS	4272087
Surr: 4-Bromofluorob	enzene	102		%	57-157		1	02/09/08	3:54	ILS	4272087

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

08020045 Page 13 2/13/2008 2:26:59 PM



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

Client Sample ID:MW 26

Collected: 01/30/2008 13:25

SPL Sample ID:

08020045-10

				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	R	ep.Limit	Di	I. Fact	or Date Analy	zed	Analyst	Seq.#
CHLORIDE, TOTAL		-				MCL		E325.2	Ur	its: mg/L	
Chloride		86.8			1		1	02/09/08 1	5:00	A_E	4272192
DIESEL RANGE ORG	GANICS					MCL		SW8015B	Ur	its: mg/L	
Diesel Range Organics		0.16			0.1		1	02/10/08	1:27	NW	4272000
Surr: n-Pentacosane		51.2		%	20-150		1	02/10/08	1:27	NW	4272000
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:0	9	LLL	1.00							
GASOLINE RANGE	ORGANICS					MCL		SW8015B	Ur	its: mg/L	
Gasoline Range Organ	ics	ND			0.1		1	02/09/08	4:22	ILS	4271973
Surr: 1,4-Difluorober	nzene	99.0		%	60-155		1	02/09/08	4:22	ILS	4271973
Surr: 4-Bromofluorob	penzene	104	·	%	50-158		1	02/09/08	4:22	ILS	4271973
PURGEABLE AROM	ATICS					MCL		SW8021B	Ur	its: ug/L	
Benzene		ND			1		1	02/09/08	4:22	ILS	4272088
Toluene		ND			1		1	02/09/08	4:22	ILS	4272088
Ethylbenzene		ND			1		1	02/09/08	4:22	ILS	4272088
m,p-Xylene		ND			1		1	02/09/08	4:22	ILS	4272088
o-Xylene		ND			1		1	02/09/08	4:22	ILS	4272088
Xylenes,Total		ND			1		1	02/09/08	4:22	ILS	4272088
Surr: 1,4-Difluorober	nzene	104		%	39-163		1	02/09/08	4:22	ILS	4272088
Surr: 4-Bromofluorob	penzene	101		%	57-157		1	02/09/08	4:22	ILS	4272088

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

02/09/08 4:50

02/09/08 4:50

02/09/08 4:50

02/09/08 4:50

02/09/08 4:50

1

1

1

ILS

ILS

ILS

ILS

ILS

4272089

4272089

4272089

4272089

4272089

Client Sample ID:MW 27

Collected: 01/30/2008 13:50 SPL Sample ID:

PL Sample ID: 08020045-11

				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	R	ep.Limit	Ε	Dil. Factor	Date Analy	/zed	Analyst	Seq. #
CHLORIDE, TOTAL						MCL		E325.2	Ur	its: mg/L	
Chloride		115			5		. 5	02/09/08 1	15:10	A_E	4272196
DIESEL RANGE ORG	ANICS					MCL	SI	W8015B	Ur	its: mg/L	
Diesel Range Organics (C10-C28)	ND			0.1		1	02/10/08	1:53	NW	4272001
Surr: n-Pentacosane		88.4		%	20-150		1	02/10/08	1:53	NW	4272001
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:	09	LLL	1.00							
GASOLINE RANGE O	RGANICS					MCL	SI	W8015B	Ur	nits: mg/L	
Gasoline Range Organic	S	ND			0.1		1	02/09/08	4:50	ILS	4271974
Surr: 1,4-Difluorobenz	ene	96.7	,	%	60-155		1	02/09/08	4:50	ILS	4271974
Surr: 4-Bromofluorobe	enzene	101		%	50-158		1	02/09/08	4:50	ILS	4271974
PURGEABLE AROMA	ATICS					MCL	SI	W8021B	Ur	nits: ug/L	
Benzene		6.1			1		1	02/09/08	4:50	ILS	4272089
Toluene		ND			1		1	02/09/08	4:50	ILS	4272089
Ethylbenzene		ND			1	·	1	02/09/08	4:50	ILS	4272089

39-163

57-157

Qualifiers:

m,p-Xylene

Xylenes,Total

Surr: 1,4-Difluorobenzene

Surr: 4-Bromofluorobenzene

o-Xylene

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

ND

ND

ND

103

102

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

02/09/08 9:57 ILS

ILS

02/09/08 9:57

1

1

4272149

4272149

Client Sample ID:MW	23			Coll	ected: 0	1/30/200	8 14:10	SPL Sam	ple l	D : 08020	0045-12
				Site	e: Hob	bs					
Analyses/Method	R	esult	QUAL	Re	p.Limit	ſ	Dil. Facto	r Date Analy	zed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Ur	nits: mg/L	
Chloride		67.9			1		1	02/09/08 1	5:00	A_E	4272193
DIESEL RANGE ORGA	ANICS				-	MCL	S	W8015B	Ur	nits: mg/L	
Diesel Range Organics (C10-C28)	ND			0.1		1	02/10/08	2:18	NW	4272002
Surr: n-Pentacosane		63.8		%	20-150		1	02/10/08	2:18	NW	4272002
Prep Method	Prep Date		Prep Initials	Prep	<u>Factor</u>						
SW3510C	02/05/2008 13:09		LLL	1.00							
GASOLINE RANGE O	RGANICS					MCL	S	W8015B	Ur	nits: mg/L	
Gasoline Range Organics	s	ND			0.1		1	02/09/08	9:57	ILS	4272125
Surr: 1,4-Difluorobenze	ene	94.3		%	60-155		1	02/09/08	9:57	ILS	4272125
Surr: 4-Bromofluorobe	nzene	99.7		%	50-158		1	02/09/08	9:57	ILS	4272125
PURGEABLE AROMA	TICS					MCL	S	W8021B	Ur	nits: ug/L	
Benzene		ND			1		1	02/09/08		ILS	4272149
Toluene		ND			1		1	02/09/08	9:57	ILS	4272149
Ethylbenzene		ND			1		1	02/09/08	9:57	ILS	4272149
m,p-Xylene		ND			1		1	02/09/08	9:57	ILS	4272149
o-Xylene		ND			1		1	02/09/08	9:57	ILS	4272149
Xylenes,Total		ND			1		1	02/09/08	9:57	ILS	4272149

39-163

57-157

%

Qualifiers:

Surr: 1,4-Difluorobenzene

Surr: 4-Bromofluorobenzene

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

104

103

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sampl	e ID:MW 22	2
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Collected: 01/30/2008 14:25 SPL Sample ID: 08020045-13

Site:	Н	o	h	h	c
Site.	п	u	ม	IJ:	

			Sit	e: Hob	bs					
Analyses/Method	Resu	t QUAL	Re	ep.Limit	Dil	. Factor	Date Anal	yzed	Analyst	Seq. #
CHLORIDE, TOTAL					MCL		E325.2	Un	its: mg/L	
Chloride	85.4			1		1	02/09/08			4272194
DIESEL RANGE ORG	ANICS				MCL	S	W8015B	Un	its: mg/L	
Diesel Range Organics (C10-C28) NE			0.1	1	1	02/10/08		NW	4272003
Surr: n-Pentacosane	61.4		%	20-150		1	02/10/08	3 2:43	NW	4272003
Prep Method SW3510C	Prep Date 02/05/2008 13:09	Prep Initial	1.00	Factor						·
GASOLINE RANGE O	RGANICS				MCL	S	W8015B	Un	its: mg/L	
Gasoline Range Organic	s NE			.0.1		1	02/09/08		ILS	4272126
Surr: 1,4-Difluorobenz	ene 96.7	,	%	60-155		1	02/09/08	10:25	ILS	4272126
Surr: 4-Bromofluorobe	enzene 105	i	%	50-158		1	02/09/08	10:25	ILS	4272126
PURGEABLE AROMA	ATICS				MCL	S	W8021B	Ur	nits: ug/L	
Benzene	NE)		1		1	02/09/08	10:25	ILS	4272150
Toluene	NE)		1		1	02/09/08	10:25	ILS	4272150
Ethylbenzene	NE)		1		1	02/09/08	10:25	ILS	4272150
m,p-Xylene	NE)		1		1	02/09/08	10:25	ILS ·	4272150
o-Xylene	NE)		1		1	02/09/08	10:25	ILS	4272150
Xylenes,Total	NE)		1		1	02/09/08	10:25	ILS	4272150
Surr: 1,4-Difluorobenz	ene 10°		%	39-163		1	02/09/08	10:25	ILS	4272150
Surr: 4-Bromofluorobe	enzene 102)	%	57-157	-	1	02/09/08	10:25	ILS	4272150

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID:MW 13	Collected: 01/30/2008 14:40	SPL Sample ID:	08020045-14

Onent Cample 18:1111					icotcu. o	.,00,200		OI L Ouii	. р.о.		
				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	R	ep.Limit	Dil	. Factor	Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL		_				MCL		E325.2	Ur	nits: mg/L	
Chloride		71.2			1		1	02/09/08	15:00	A_E	4272195
DIESEL RANGE ORG	ANICS					MCL	SV	V8015B	Un	nits: mg/L	==== =
Diesel Range Organics (C10-C28)	ND			0.1		1	02/10/08	10:19	NW	4272008
Surr: n-Pentacosane		69.0		%	20-150		. 1	02/10/08	10:19	NW	4272008
Prep Method	Prep Date	•	Prep Initials	Prer	Factor						
SW3510C	02/05/2008 13:0)9	LLL	1.00							
GASOLINE RANGE O	RGANICS					MCL	SV	V8015B	Ur	nits: mg/L	
Gasoline Range Organio	:S	ND			0.1		1	02/09/08	15:45	ILS	4272135
Surr: 1,4-Difluorobenz	ene	94.0		%	60-155		1	02/09/08	15:45	ILS	4272135
Surr: 4-Bromofluorobe	enzene	101		%	50-158		1	02/09/08	15:45	ILS	4272135
PURGEABLE AROMA	ATICS					MCL	SV	V8021B	Ur	nits: ug/L	
Benzene		ND			1		1	02/09/08	15:45	ILS	4272158
Toluene		ND			1		1	02/09/08	15:45	ILS	4272158
Ethylbenzene		ND			1		. 1	02/09/08	15:45	ILS	4272158
m,p-Xylene		ND			1		1	02/09/08	15:45	ILS	4272158
o-Xylene		ND			1		1	02/09/08	15:45	ILS	4272158
Xylenes,Total		ND			1		1	02/09/08	15:45	ILS	4272158
Surr: 1,4-Difluorobenz	ene	110		%	39-163		1	02/09/08	15:45	ILS	4272158
Surr: 4-Bromofluorobe	enzene	107		%	57-157		1	02/09/08	15:45	ILS	4272158

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID:MW 19

Collected: 01/30/2008 15:00 08020045-15 SPL Sample ID:

				Sit	e: Hob	bs					
Analyses/Method		Result	QUAL	Re	p.Limit	Dil	. Factor	Date Analy	zed	Analyst	Seq.#
CHLORIDE, TOTAL						MCL		E325.2	Ur	its: mg/L	
Chloride		101			5		5	02/09/08	15:10	A_E	4272197
DIESEL RANGE OR	GANICS					MCL	SI	W8015B	Ur	its: mg/L	
Diesel Range Organics	s (C10-C28)	ND			0.1		1	02/10/08	3:09	NW	4272004
Surr: n-Pentacosane	9	77.4		%	20-150		1	02/10/08	3:09	NW	4272004
Prep Method	Prep Date		Prep Initial	s Prep	Factor						
SW3510C	02/05/2008	13:09	LLL	1.00				•			
GASOLINE RANGE	ORGANICS					MCL	SI	W8015B	Ur	its: mg/L	•
Gasoline Range Organ	nics	ND		-	0.1		1	02/09/08	19:57	ILS	4272141
Surr: 1,4-Difluorobe	nzene	• 96.3		%	60-155		1	02/09/08	19:57	ILS	4272141
Surr: 4-Bromofluoro	benzene	100		%	50-158		1	02/09/08	19:57	ILS	4272141
PURGEABLE ARON	MATICS					MCL	SI	W8021B	Ur	nits: ug/L	
Benzene		ND			1		1	02/09/08	19:57	ILS	4272164
Toluene		ND			1		1	02/09/08	19:57	ILS	4272164
Ethylbenzene		ND			1		1	02/09/08	19:57	ILS	4272164
m,p-Xylene		ND			1		1	02/09/08	19:57	ILS	4272164
o-Xylene		ND			1		1	02/09/08	19:57	ILS	4272164
Xylenes,Total		ND			1		1	02/09/08	19:57	ILS	4272164
Surr: 1,4-Difluorobe	enzene	103		%	39-163		1	02/09/08	19:57	ILS	4272164
Surr: 4-Bromofluoro	benzene	104		%	57-157		1	02/09/08	19:57	ILS	4272164

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Surr: 4-Bromofluorobenzene

HOUSTON LABORATORY

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

02/09/08 20:25 ILS

Client Sample ID: MW 14 Collected: 01/30/2008 15:15 SPL Sample ID: 08020045-16

Site: Hobbs	

			Si	te: Hob	bs					
Analyses/Method	Resul	t QUAL	R	ep.Limit	D	il. Factor	Date Anal	yzed	Analyst	Seq. #
CHLORIDE, TOTAL					MCL		E325.2	Ur	nits: mg/L	
Chloride	194			5		5	02/09/08	15:20	A_E	4272198
DIESEL RANGE ORG	ANICS				MCL	S	W8015B	Ur	nits: mg/L	
Diesel Range Organics ((C10-C28) 0.12			0.1	-	1	02/10/08	3:34	NW	4272005
Surr: n-Pentacosane	69.0		%	20-150		1	02/10/08	3:34	NW	4272005
Prep Method	Prep Date	Prep Initials	Pre	Factor						
SW3510C	02/05/2008 13:09	LLL	1.00)						
GASOLINE RANGE O	RGANICS				MCL	S	W8015B	Ur	nits: mg/L	
Gasoline Range Organic	s 0.11			0.1		1	02/09/08	20:25	ILS	4272142
Surr: 1,4-Difluorobenz	ene 101		%	60-155		1	02/09/08	20:25	ILS	4272142
Surr: 4-Bromofluorobe	enzene 99.7		%	50-158		1	02/09/08	20:25	ILS	4272142
PURGEABLE AROMA	ATICS				MCL	SI	W8021B	Ur	nits: ug/L	
Benzene	ND			1		1	02/09/08	20:25	ILS	4272165
Toluene	ND			1		1	02/09/08	20:25	ILS	4272165
Ethylbenzene	ND			1		1	02/09/08	20:25	ILS	4272165
m,p-Xylene	ND			1		1	02/09/08	20:25	ILS	4272165
o-Xylene	ND			1		1	02/09/08	20:25	ILS	4272165
Xylenes,Total	ND			1		1	02/09/08	20:25	ILS	4272165
Surr: 1,4-Difluorobenz	ene 104		%	39-163		1	02/09/08	20:25	ILS	4272165

57-157

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

107

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

4272165



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

Client Sample ID:MW 18 Collected: 01/30/2008 15:30 SPL Sample ID: 08020045-17

Site:	Hobbs

Analyses/Method		Result	QUAL	Re	ep.Limit	Di	l. Facto	r Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL					•	MCL		E325.2	Un	its: mg/L	
Chloride		205			5		5	02/09/08	15:41	A_E	4272203
DIESEL RANGE ORG	ANICS					MCL	S	W8015B	Un	its: mg/L	
Diesel Range Organics	(C10-C28)	0.29			0.1		1	02/10/08	10:44	NW	4272009
Surr: n-Pentacosane		98.0		%	20-150		1	02/10/08	10:44	NW	4272009
Prep Method	Prep Date		Prep Initials	Prep	Factor						
SW3510C	02/05/2008 13:0	09	LLL	1.00							
GASOLINE RANGE	ORGANICS					MCL	S	W8015B	Un	its: mg/L	
Gasoline Range Organi	cs ·	7			0.5		5	02/09/08	11:05	ILS	4272127
Surr: 1,4-Difluoroben	zene	134		%	60-155		5	02/09/08	11:05	ILS	4272127
Surr: 4-Bromofluorob	enzene	109		%	50-158		5	02/09/08	11:05	ILS	4272127
PURGEABLE AROM	ATICS					MCL	S	W8021B	Un	nits: ug/L	
Benzene		3500			10		10	02/09/08	21:49	ILS	4272168

PURGEABLE AROMATICS				MCL		SW8021B	Un	its: ug/L	
Benzene	3500		10		10	02/09/08	21:49	ILS	4272168
Toluene	ND		5	·	5	02/09/08	11:05	ILS	4272151
Ethylbenzene	78		5		5	02/09/08	11:05	ILS	4272151
m,p-Xylene	44		5		5	02/09/08	11:05	ILS	4272151
o-Xylene	7		5		5	02/09/08	11:05	ILS	4272151
Xylenes,Total	51		5		5	02/09/08	11:05	ILS	4272151
Surr: 1,4-Difluorobenzene	153	%	39-163		10	02/09/08	21:49	ILS	4272168
Surr: 1,4-Diffuorobenzene	161	%	39-163		5	02/09/08	11:05	ILS	4272151
Surr: 4-Bromofluorobenzene	106	%	57-157		10	02/09/08	21:49	ILS	4272168
Surr: 4-Bromofluorobenzene	106	%	57-157		5	02/09/08	11:05	ILS	4272151

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID:MW 12	Collected: 01/31/2008 7:55	SPL Sample ID:	08020045-18

				Sit	te: Hob	bs				
Analyses/Method		Result	QUAL	R	ep.Limit	Ε	il. Factor	Date Analy	zed Analyst	Seq.#
CHLORIDE, TOTAL			ne-s			MCL		E325.2	Units: mg/L	
Chloride		18 1			5		5	02/09/08 1	5:41 A_E	4272204
DIESEL RANGE ORG	ANICS					MCL	SV	V8015B	Units: mg/L	
Diesel Range Organics ((C10-C28)	0.63			0.1		1	02/10/08 1	1:12 NW	4272010
Surr: n-Pentacosane		45.6		%	20-150		1	02/10/08 1	1:12 NW	4272010
Prep Method	Prep Date	-	Prep Initials	Prer	Factor					
SW3510C	02/05/2008 13	3:09	LLL	1.00						
GASOLINE RANGE O	RGANICS					MCL	SV	V8015B	Units: mg/L	
Gasoline Range Organic	s	12			2.5		25	02/09/08 1	1:33 ILS	4272128
Surr: 1,4-Difluorobenz	ene	108		%	60-155		25	02/09/08 1	1:33 ILS	4272128
Surr: 4-Bromofluorobe	enzene	104		%	50-158		25	02/09/08 1	1:33 ILS	4272128
PURGEABLE AROMA	ATICS					MCL	SV	V8021B	Units: ug/L	
Benzene		2800			25		25	02/09/08 1	1:33 ILS	4272152
Toluene		ND			25		25	02/09/08 1	1:33 ILS	4272152
Ethylbenzene		200			25		25	02/09/08 1	1:33 ILS	4272152
m,p-Xylene		180			25		25	02/09/08 1	1:33 ILS	4272152
o-Xylene		ND			25		25	02/09/08 1	1:33 ILS	4272152
Xylenes,Total		180			25		25	02/09/08 1	1:33 ILS	4272152
Surr: 1,4-Difluorobenz	ene	102		%	39-163		25	02/09/08 1	1:33 ILS	4272152
Surr: 4-Bromofluorobe	nzene	105		%	57-157		25	02/09/08 1	1:33 ILS	4272152

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



Surr: 4-Bromofluorobenzene

HOUSTON LABORATORY

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

02/09/08 20:53 ILS

Client Sample ID:	SVE-10			Collec	cted: 0	1/31/2008	8:30	SPL Sar	nple l	D : 0802	0045-19
		,		Site:	Hob	bs				, """	
Analyses/Method		Result	QUAL	Rep	.Limit	Dil	. Factor	Date Ana	lyzed	Analyst	Seq. #
CHLORIDE, TOTAL						MCL		E325.2	Un	nits: mg/L	
Chloride		234			5		5	02/09/08	15:41	A_E	4272205
DIESEL RANGE O	RGANICS					MCL	SI	W8015B	Un	nits: mg/L	
Diesel Range Organi	cs (C10-C28)	0.21			0.1		1	02/10/08	11:37	NW	4272011
Surr: n-Pentacosa	ne	52.4		% 2	20-150		1	02/10/08	11:37	NW	4272011
Prep Method	Prep Date		Prep Initials	Prep F	actor						
SW3510C	02/05/2008	13:09	LLL	1.00				٠			
GASOLINE RANGI	E ORGANICS					MCL	SI	W8015B	Ur	nits: mg/L	
Gasoline Range Org	anics	0.43			0.1		1	02/09/08		ILS	4272143
Surr: 1,4-Difluorob	enzene	148		% 6	60-155		1	02/09/08	20:53	ILS	4272143
Surr: 4-Bromofluor	robenzene	124		% 5	0-158		1	02/09/08	20:53	ILS	4272143
PURGEABLE ARO	MATICS					MCL	S	W8021B	Ur	nits: ug/L	
Benzene		21			1		1	02/09/08	20:53	ILS	4272166
Toluene		ND			1		1	02/09/08	20:53	ILS	4272166
Ethylbenzene		22			1		1	02/09/08	20:53	ILS	4272166
m,p-Xylene		ND			1		1	02/09/08	20:53	ILS	4272166
o-Xylene		ND			1		1	02/09/08	20:53	ILS	4272166
Xylenes, Total		ND			1		1	02/09/08	20:53	ILS	4272166
Surr: 1,4-Difluorob	enzene	103		% 3	39-163		1	02/09/08	20:53	ILS	4272166

57-157

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

113

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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4272166



Surr: 4-Bromofluorobenzene

HOUSTON LABORATORY

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

Client Sample ID:MW 6	Collected: 01/31/2008 9:05	SPL Sample ID:	08020045-20
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Client Sample 15.1000				ected. O	70 172000	0.00	OI L Oall	ipic i	D. 0002	
			Site	: Hobl	os					
Analyses/Method	Result	QUAL	Re	p.Limit	Di	l. Factor	Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL				10220	MCL		E325.2	Ur	nits: mg/L	
Chloride	147			5		5	02/09/08	15:41	A_E	4272206
DIESEL RANGE ORGANIC	S				MCL	SV	V8015B	Ur	nits: mg/L	
Diesel Range Organics (C10-C	28) 8.9			0.5		5	02/10/08	12:02	NW	4272012
Surr: n-Pentacosane	135		%	20-150		5	02/10/08	12:02	NW	4272012
Prep Method Prep	Date	Prep Initials	Prep	Factor						
SW3510C 02/05	5/2008 13:09	LLL	1.00							
GASOLINE RANGE ORGAI	NICS				MCL	SV	V8015B	Ur	nits: mg/L	
Gasoline Range Organics	11			5		50	02/09/08	12:01	ILS	4272129
Surr: 1,4-Difluorobenzene	111		%	60-155		50	02/09/08	12:01	ILS	4272129
Surr: 4-Bromofluorobenzene	105		%	50-158		50	02/09/08	12:01	ILS	4272129
PURGEABLE AROMATICS					MCL	SV	V8021B	Ur	nits: ug/L	
Benzene	1200			50		50	02/09/08	12:01	ILS	4272153
Toluene	1200			50		50	02/09/08	12:01	ILS	4272153
Ethylbenzene	310			50		50	02/09/08	12:01	ILS	4272153
m,p-Xylene	330			50		50	02/09/08	12:01	ILS	4272153
o-Xylene	190			50		50	02/09/08	12:01	ILS	4272153
Xylenes,Total	520			50		50	02/09/08	12:01	ILS	4272153
Surr: 1,4-Difluorobenzene	108		%	39-163		50	02/09/08	12:01	ILS	4272153

57-157

50

02/09/08 12:01 ILS

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

106

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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4272153



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

Client Sample ID:MW 8	Collected	01/31/2008 10:00	SPL Sample ID:	08020045-21

				Site: Hobi	os					
Analyses/Method		Result	QUAL	Rep.Limit	D	il. Facto	r Date Anal	yzed	Analyst	Seq.#
CHLORIDE, TOTAL					MCL		E325.2	Uni	ts: mg/L	
Chloride		107		5		5	02/09/08	16:50	A_E	4272211
DIESEL RANGE ORG	GANICS				MCL	S	W8015B	Uni	its: mg/L	
Diesel Range Organics	(C10-C28)	130		10		100	02/08/08	10:11	NW	4272112
Surr: n-Pentacosane	•	D	*	% 20-150		100	02/08/08	10:11	NW	4272112
Prep Method	Prep Date		Prep Initials	Prep Factor						
SW3510C	02/05/2008 15:4	9	LLL	1.00						
GASOLINE RANGE	ORGANICS				MCL	S	W8015B	Uni	its: mg/L	
Gasoline Range Organ	ics	30		25		250	02/09/08	14:21	ILS	4272132

Surr: 1,4-Difluorobenzene	97.5		%	60-155		250	02/09/08	14:21	ILS	4272132
Surr: 4-Bromofluorobenzene	104		%	50-158		250	02/09/08	14:21	ILS,	4272132
PURGEABLE AROMATICS					MCL		SW8021B	Un	its: ug/L	
Benzene	2300			50		50	02/10/08	15:18	ILS	4272618
Toluene	270			10		10	02/09/08	22:44	ILS	4272169
Ethylbenzene	340			10		10	02/09/08	22:44	ILS	4272169
m,p-Xylene	670			10		10	02/09/08	22:44	ILS	4272169
o-Xylene	220		•	10	-	10	02/09/08	22:44	ILS	4272169
Xylenes,Total	890			10		10	02/09/08	22:44	ILS	4272169
Surr: 1,4-Difluorobenzene	116		%	39-163		50	02/10/08	15:18	ILS	4272618
Surr: 1,4-Difluorobenzene	166MI	*	%	39-163		10	02/09/08	22:44	ILS	4272169
Surr: 4-Bromofluorobenzene	107	,	%	57-157		50	02/10/08	15:18	ILS	4272618
Surr: 4-Bromofluorobenzene	118		%	57-157		10	02/09/08	22:44	ILS	4272169

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution



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

Client Sample ID: DUP 2 Collected: 01/31/2008 8:17 SPL Sample ID: 08020045-22

Site:	Hobbs

Analyses/Method	Result	QUAL	R	ep.Limit	Di	l. Facto	or Date Ana	lyzed	Analyst	Seq.#
CHLORIDE, TOTAL					MCL		E325.2	Un	nits: mg/L	
Chloride	177			5	F	5	02/09/08	16:50	A_E	4272212
DIESEL RANGE ORGANICS					MCL	5	SW8015B	Un	nits: mg/L	
Diesel Range Organics (C10-C28)	0.67	•		0.1		1	02/09/08	11:47	NW	4272115
Surr: n-Pentacosane	56.2		%	20-150		1	02/09/08	11:47	NW	4272115

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/05/2008 15:49	LLL	1.00

SASOLINE RANGE ORGANICS				MCL		SW8015B	Uni	ts: mg/L	
Gasoline Range Organics	13	_	5		50	02/09/08	14:49	ILS	4272133
Surr: 1,4-Difluorobenzene	112	%	60-155		50	02/09/08	14:49	ILS	4272133
Surr: 4-Bromofluorobenzene	102	%	50-158		50	02/09/08	14:49	ILS	4272133

URGEABLE AROMATICS				MCL		SW8021B	U	nits: ug/L	
Benzene	3100		10		10	02/09/08 2	23:13	ILS	4272170
Toluene	ND		10		10	02/09/08 2	23:13	ILS	4272170
Ethylbenzene	280		10	,	10	02/09/08 2	23:13	ILS	4272170
m,p-Xylene	230	•	10		10	02/09/08	23:13	ILS	4272170
o-Xylene	25 .		10		10	02/09/08 2	23:13	ILS	4272170
Xylenes,Total	255		10	·	10	02/09/08 2	23:13	ILS	4272170
Surr: 1,4-Difluorobenzene	104	%	39-163		10	02/09/08 2	23:13	ILS	4272170
Surr: 4-Bromofluorobenzene	110	%	57-157		10	02/09/08 2	23:13	ILS	4272170

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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

Client Sample ID:DUP #3

Collected: 01/31/2008 14:17 SPL Sample ID: 08020045-23

7:4		
Site:	$H \cap$	bbs

Analyses/Method	Result	QUAL	Rep.Limit	Di	il. Fac	tor Date Analyzed	Analyst	Seq.#
CHLORIDE, TOTAL				MCL		E325.2 U	nits: mg/L	
Chloride	146		5		5	02/09/08 16:50) A_E	4272215
DIESEL RANGE ORGANICS				MCL		SW8015B U	nits: mg/L	
Diesel Range Organics (C10-C28)	9.1		1		10	02/08/08 1:38	3 NW	4272110
Surr: n-Pentacosane	159 MI	*	% 20-150		10	02/08/08 1:38	3 NW	4272110

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/05/2008 15:49	LLL	1.00

GASOLINE RANGE ORGANICS				MCL		SW8015B	Units: mg/L	
Gasoline Range Organics	12		5		50	02/09/08	15:17 ILS	4272134
Surr: 1,4-Difluorobenzene	99.3	%	60-155		50	02/09/08	15:17 ILS	4272134
Surr: 4-Bromofluorobenzene	108	%	50-158		50	02/09/08	15:17 ILS	4272134
PURGEABLE AROMATICS				MCL		SW8021B	Units: ug/L	
Benzene	1200		50		50	02/09/08	15:17 ILS	4272218
Toluene	1100		50		50	02/09/08	15:17 ILS	4272218
Ethylbenzene	300		. 50		50	02/09/08	15:17 ILS	4272218
m,p-Xylene	360		50		50	02/09/08	15:17 ILS	4272218

Etnylbenzene	300		- 50	50	02/09/08 15:17	ILS	4272218
m,p-Xylene	360		50	50	02/09/08 15:17	ILS	4272218
o-Xylene	190		50	50	02/09/08 15:17	ILS	4272218
Xylenes,Total	550		50	50	02/09/08 15:17	ILS	4272218
Surr: 1,4-Difluorobenzene	106	%	39-163	. 50	02/09/08 15:17	ILS	4272218
Surr: 4-Bromofluorobenzene	106	%	57-157	50	02/09/08 15:17	ILS	4272218

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

08020045 Page 27 2/13/2008 2:27:03 PM



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

Client Sample ID: Trip Blank Collected: 01/31/2008 0:00 SPL Sample ID: 08020045-24

Site: Hobbs

Analyses/Method	Result	QUAL	Re	ep.Limit	Dil.	Facto	r Date Ana	lyzed	Analyst	Seq.#
PURGEABLE AROMATICS	-				MCL	MCL SV		Un	its: ug/L	
Benzene	ND			1		1	02/08/08	16:12	ILS	4272067
Toluene	ND			1		1	02/08/08	16:12	ILS	4272067
Ethylbenzene	ND			1		1	02/08/08	16:12	ILS	4272067
m,p-Xylene	ND			1		1	02/08/08	16:12	ILS	4272067
o-Xylene	ND			· 1		1	02/08/08	16:12	ILS	4272067
Xylenes,Total	ND			1		1	02/08/08	16:12	ILS	4272067
Surr: 1,4-Diffuorobenzene	111		%	39-163		1	02/08/08	16:12	ILS	4272067
Surr: 4-Bromofluorobenzene	103		%	57-157		1	02/08/08	16:12	ILS	4272067

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation



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

Conoco, Inc. **PPL EHJ**

Analysis:

Diesel Range Organics

Method:

RunID:

Analysis Date:

SW8015B

02/09/2008 19:03

WorkOrder:

Samples in Analytical Batch:

08020045

Lab Batch ID:

75451

Method Blank

HP_V_080209C-4271987

Units:

mg/L

Analyst: NW

Preparation Date: 02/05/2008 13:09

> Diesel Rang Surr: n-P

Prep By:

LLL Method SW3510C

·		
Analyte	Result	Rep Limit
ge Organics (C10-C28)	ND	0.10
Pentacosane	97.4	20-150

Lab Sample ID	Client Sample ID
08020045-01B	MW 21
08020045-02B	MW 16
08020045-03B	MW 25
08020045-04B	MW 20
08020045-05B	MW 17
08020045-06B	MW 24
08020045-07B	MW 15
08020045-08B	MW 4
08020045-09B	MW 5
08020045-10B	MW 26
08020045-11B	MW 27 _.
08020045-12B	MW 23
08020045-13B	MW 22
08020045-14B	MW 13
08020045-15B	MW 19
08020045-16B	MW 14
08020045-17B	MW 18
08020045-18B	MW 12
08020045-19B	SVE-10
08020045-20B	MW 6

Laboratory Control Sample (LCS)

RunID:

HP_V_080209C-4271988

Units:

Analysis Date:

02/09/2008 19:29

mg/L NW

Preparation Date:

02/05/2008 13:09

Analyst:

Prep By: LLL Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	2.00	1.66	83.2	21	130
Surr: n-Pentacosane	0.0500	0.0459	91.8	20	150

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

Sample Spiked:

08020045-01

RunID:

HP_V_080209C-4271990

Units:

mg/L

Analysis Date: Preparation Date:

02/09/2008 20:20 02/05/2008 13:09 Analyst:

NW Prep By: LLL Method SW3510C

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 30

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

2/13/2008 2:27:05 PM



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



Conoco, Inc.

Analysis: Method: **Diesel Range Organics**

SW8015B

WorkOrder:

08020045

Lab Batch ID:

75451

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	4	3.80	94.1	4	3.40	. 84.0	11.2	39	21	130
Surr: n-Pentacosane	ND	0.1	0.0809	80.9	0.1	0.0716	71.6	12.2	30	20	150

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

 ${\rm J}$ - Estimated value between MDL and PQL $^{\circ}$

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 31

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

2/13/2008 2:27:05 PM



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

Conoco, Inc. PPL EHJ

Analysis: Method:

RunID:

Diesel Range Organics

SW8015B

WorkOrder:

Samples in Analytical Batch:

08020045

Lab Batch ID:

75467

Method Blank

HP_V_080207C-4272105

Units:

mg/L

Lab Sample ID

Client Sample ID

Analysis Date: Preparation Date: 02/07/2008 16:47

Analyst: NW

LLL Method SW3510C

08020045-21B 08020045-22B

02/05/2008 15:49

Prep By:

8 WM DUP 2

08020045-23B

DUP #3

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.10
Surr: n-Pentacosane	92.4	20-150

Laboratory Control Sample (LCS)

RunID:

HP_V_080207C-4272106

Units:

mg/L

Analysis Date:

02/07/2008 17:12

Analyst: NW

Preparation Date: 02/05/2008 15:49 Prep By: LLL Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	2.00	1.81	90.6	21	130
Surr: n-Pentacosane	0.0500	0.0492	98.4	20	150

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

Sample Spiked:

08020045-21

RunID:

HP_V_080207C-4272800

Units:

mg/L

Analysis Date:

02/08/2008 0:47

NW Analyst:

Preparation Date:

02/05/2008 15:49

Prep By:

LLL Method SW3510C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	133	4	160	N/C	4	152	N/C	N/C	39	21	130
Surr: n-Pentacosane	ND	0.1	D	D	0.1	D	D	D	30	20	150

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 32

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



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



Conoco, Inc. PPL EHJ

Analysis:

Gasoline Range Organics

Method:

RunID:

Analysis Date:

Preparation Date:

SW8015B

02/08/2008 15:28

02/08/2008 15:28

WorkOrder:

08020045

Lab Batch ID:

R227473

Method Blank

HP_U_080208A-4271950

Units:

Analyst:

Prep By:

mg/L

ILS

Method

Client Sample ID MW 21

MW 27

08020045-02C MW 16 MW 25

Samples in Analytical Batch:

08020045-03C

Lab Sample ID

08020045-01C

Rep Limit Result Analyte Gasoline Range Organics ND 0.10 Surr: 1,4-Difluorobenzene 99.3 60-155 Surr: 4-Bromofluorobenzene 50-158 102.3

08020045-04C MW 20 08020045-05C MW 17 08020045-06C MW 24 08020045-07C MW 15 08020045-08C MW 4 08020045-09C MW 5 08020045-10C MW 26

Laboratory Control Sample (LCS)

RunID:

HP U 080208A-4271948

Units:

Analysis Date:

02/08/2008 14:03

Analyst:

mg/L ILS

08020045-11C

Preparation Date:

02/08/2008 14:03

Prep By:

Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit	
Gasoline Range Organics	1.00	0.820	82.0	42	136	
Surr: 1,4-Difluorobenzene	0.0300	0.0356	119	60	155	
Surr: 4-Bromofluorobenzene	0.0300	0.035	117	50	158	

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

Sample Spiked:

08020045-05

RuniD:

HP_U_080208A-4272047

Units:

mg/L

Analysis Date: 02/08/2008 23:41 Analyst: ILS

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.819	79.2	1	0.825	79.8	0.767	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.03	0.0365	122	0.03	0.0364	121	0.274	30	. 60	155
Surr: 4-Bromofluorobenzene	ND	0.03	0.0332	111	0.03	0.0336	112	1.20	30	50	158

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count



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

Conoco, Inc.

Analysis: Method:

Gasoline Range Organics

SW8015B

WorkOrder:

08020045

Lab Batch ID:

R227473

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

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

TNTC - Too numerous to count

08020045 Page 34

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

2/13/2008 2:27:05 PM



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

Client Sample ID

Conoco, Inc. PPL EHJ

Analysis:

Purgeable Aromatics

02/08/2008 15:28

02/08/2008 15:28

Method:

RuniD:

Analysis Date:

Preparation Date:

SW8021B

WorkOrder:

08020045

Lab Batch ID:

R227478

Method Blank

HP_U_080208B-4272066

Units: Analyst:

Prep By:

ug/L

ILS

Method

Lab Sample ID 08020045-01C 08020045-02C

Samples in Analytical Batch:

MW 21

MW 16 MW 25

08020045-03C 08020045-04C 08020045-05C

MW 20 MW 17

Analyte Result Rep Limit Benzene ND Ethylbenzene ND Toluene ND 1.0 m,p-Xylene ND 1.0 o-Xylene ND 1.0 Xylenes,Total ND 1.0 Surr: 1,4-Difluorobenzene 106.3 39-163 Surr: 4-Bromofluorobenzene

08020045-08C 08020045-09C 08020045-10C 08020045-11C

08020045-06C

MW 4 MW 5 MW 26 MW 27

MW 24

08020045-24A

ug/L

ILS

Trip Blank

Laboratory Control Sample (LCS)

RuniD:

HP_U_080208B-4272064

Units:

02/08/2008 14:31

Analyst:

Analysis Date: Preparation Date:

02/08/2008 14:31

101.5

Prep By:

Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.8	93.8	70	130
Ethylbenzene	20.0	19.0	95.0	70	130
Toluene	20.0	18.5	92.5	70	130
m,p-Xylene	40.0	38.0	95.0	70	130
o-Xylene	20.0	18.9	94.3	70	130
Xylenes,Total	60.0	56.9	94.8	70	130
Surr: 1,4-Difluorobenzene	30.0	32.3	108	39	163
Surr: 4-Bromofluorobenzene	30.0	31.7	. 106	57	157

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

Sample Spiked:

08020045-11

RunID:

HP_U_080208B-4272119

Units:

ug/L

Analysis Date:

02/09/2008 5:18

Analyst:

ILS

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 35

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

2/13/2008 2:27:05 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Conoco, Inc.

Analysis: Method: **Purgeable Aromatics**

SW8021B

WorkOrder:

08020045

Lab Batch ID:

R227478

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	6.12	20	71.1	325 *	20	72.8	333 *	2.30	26	40	165
Ethylbenzene	ND	20	20.3	101	20	20.8	104	2.66	34	51	156
Toluene	ND	20	23.3	113	20	24.8	120	6.17	25	58	153
m,p-Xylene	ND	40	38.4	95.2	40	39.3	97.4	2.25	27	51	155
o-Xylene	ND	. 20	19.4	96.8	20	19.6	98.1	1.30	25	58	151
Xylenes,Total	ND	60	57.8	95.7	60	58.9	97.6	1.94	27	51	155
Surr: 1,4-Difluorobenzene	ND	30	35.6	119	30	34.1	114	4.30	30	39	163
Surr: 4-Bromofluorobenzene	ND	30	31.4	105	30	32.5	108	3.55	30	57	157

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

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

TNTC - Too numerous to count

08020045 Page 36

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



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



Conoco, Inc. PPL EHJ

Analysis:

Gasoline Range Organics

Method:

RunID:

Analysis Date:

Preparation Date:

Ga

SW8015B

WorkOrder:

08020045

Lab Batch ID:

R227482

N	leth	ıod	В	lank	

HP_U_080209A-4272123

Units:

mg/L ILS

02/09/2008 9:02

02/09/2008 9:02

Analyst: Prep By:

Method

Analyte	Result	Rep Limit
asoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	90.0	60-155
Surr: 4-Bromofluorobenzene	101.7	50-158

Lab Sample ID	Client Sample ID
08020045-12C	MW 23
08020045-13C	MW 22
08020045-14C	MW 13
08020045-15C	MW 19
08020045-16C	MW 14
08020045-17C	MW 18
08020045-18C	MW 12
08020045-19C	SVE-10
08020045-20C	MW 6
08020045-21C	MW 8
08020045-22C	DUP 2
08020045-23C	DUP #3

Samples in Analytical Batch:

Laboratory Control Sample (LCS)

RunID:

HP_U_080209A-4272122

Units:

mg/L

Analysis Date: Preparation Date:

02/09/2008 8:33 02/09/2008 8:33 Analyst: ILS Prep By:

Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.753	75.3	42	136
Surr: 1,4-Difluorobenzene	0.0300	0.0345	115	60	155
Surr: 4-Bromofluorobenzene	0.0300	0.0334	111	50	158

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

Sample Spiked:

08020045-14

RunID:

HP_U_080209A-4272136

Units:

mg/L

Analysis Date:

02/09/2008 17:09

Analyst: ILS

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.542	54.2	1	0.581	58.1	7.06	36	22	174
Surr: 1,4-Difluorobenzene	ND	0.03	0.0324	108	0.03	0.0328	109	1.23	30	60	158

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count



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

Conoco, Inc.

Analysis: Method: Gasoline Range Organics

SW8015B

WorkOrder:

08020045

Lab Batch ID:

R227482

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

Sample Spiked:

08020045-14

RunID:

HP_U_080209A-4272136

Units:

mg/L

Analysis Date:

02/09/2008 17:09

Analyst:

ILS

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: 4-Bromofluorobenzene	ND	0.03	0.0318	106	0.03	0.0319	106	0.314	30	50	158

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

 ${\bf J}$ - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 38

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

2/13/2008 2:27:06 PM



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



Conoco, Inc. **PPL EHJ**

Analysis:

Purgeable Aromatics

Method:

RunID:

Analysis Date:

SW8021B

WorkOrder:

08020045

Lab Batch ID:

R227483

N	leth	<u>10d</u>	В	<u>an</u> l	C

HP_U_080209B-4272148

Units:

ug/L ILS

Result

ND

ND

ND

ND

ND

ND

102.7

105.0

1.0

1.0

1.0

1.0

1.0

39-163

57-157

Lab Sample ID 08020045-07C

MW 15 MW 23

Client Sample ID

Preparation Date:

Benzene

Toluene

o-Xylene

Ethylbenzene

m,p-Xylene

Xylenes,Total

02/09/2008 9:30 02/09/2008 9:30

Surr: 1,4-Difluorobenzene

Surr: 4-Bromofluorobenzene

Analyte

Analyst: Prep By:

Method

Rep Limit

08020045-12C MW 22 08020045-13C MW 13

Samples in Analytical Batch:

08020045-14C 08020045-15C

MW 19 MW 14 MW 18

08020045-18C 08020045-19C 08020045-20C

08020045-16C

08020045-17C

MW 12 SVE-10 MW 6

08020045-21C 08020045-22C MW 8 DUP 2

08020045-23C

DUP #3

Laboratory Control Sample (LCS)

RunID:

HP_U_080209B-4272146

Units: Analyst: ug/L ILS

Analysis Date: Preparation Date:

02/09/2008 7:37 02/09/2008 7:37

Prep By:

Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	18.7	93.5	70	130
Ethylbenzene	20.0	19.7	98.5	70	130
Toluene	20.0	18.9	94.5	70	130
m,p-Xylene	40.0	38.5	96.4	70	130
o-Xylene	20.0	18.7	93.6	70	130
Xylenes, Total	60.0	57.2	95.5	70	130
Surr: 1,4-Difluorobenzene	30.0	30.5	102	39	163
Surr: 4-Bromofluorobenzene	30.0	31.8	106	57	157

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

Sample Spiked:

08020045-15

RunID:

HP U 080209B-4272159

Units:

ug/L ILS

Analysis Date:

02/09/2008 16:13

Analyst:

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 39

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

2/13/2008 2:27:06 PM



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

Conoco, Inc. **PPL EHJ**

Analysis: Method:

Purgeable Aromatics

SW8021B

WorkOrder:

08020045

Lab Batch ID:

R227483

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	18.7	93.7	20	18.5	92.4	1.32	26	40	165
Ethylbenzene	ND	20	18.5	92.5	20	18.3	91.5	1.02	34	51	156
Toluene	ND	20	18.1	90.3	20	17.9	89.6	0.847	25	58	153
m,p-Xylene	ND	40	36.5	91.2	40	36.1	90.3	0.983	27	51	155
o-Xylene	ND	20	18.2	90.9	20	18.1	90.3	0.684	25	58	151
Xylenes,Total	ND	60	54.7	91.1	60	54.2	90.3	0.884	27	51	155
Surr: 1,4-Diffuorobenzene	. ND	30	33.2	111	30	30.7	102	7.93	30	39	163
Surr: 4-Bromofluorobenzene	ND	30	32.1	107	30	31.2	104	2.85	30	57	157

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 40

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



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



Conoco, Inc. PPL EHJ

Analysis:

Purgeable Aromatics

Method:

RunID:

SW8021B

WorkOrder:

08020045

Lab Batch ID:

R227518

Method Blank

Units: ug/L

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

HP_U_080210A-4272617

02/10/2008 14:50

Analyst: ILS

08020045-21C

MW 8

Preparation Date:

02/10/2008 14:50

Prep By:

Method

Analyte	Result	Rep Limit
Benzene	ND	1.0
Surr: 1,4-Difluorobenzene	98.9	39-163
Surr: 4-Bromofluorobenzene	103.3	57-157

Laboratory Control Sample (LCS)

RunID:

HP U 080210A-4272615

Units:

ug/L ILS

Analysis Date: Preparation Date:

02/10/2008 13:50 02/10/2008 13:50 Analyst: Prep By:

Method SW5030B

Analyte .	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.1	95.3	70	130
Surr: 1,4-Difluorobenzene	30.0	33.1	110	39	163
Surr: 4-Bromofluorobenzene	30.0	31.7	106	57	157

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

Sample Spiked:

08020233-05

RunID:

HP_U_080210A-4272619

Units:

ug/L ILS

Analysis Date:

02/10/2008 15:46

Analyst:

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	. RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	18.3	91.7	20	. 18.1	90.4	1.36	26	40	165
Surr: 1,4-Difluorobenzene	ND	30	32.1	107	30	31.2	104	2.98	30	39	163
Surr: 4-Bromofluorobenzene	ND	30	32.2	107	30	31.9	106	1.19	30	57	157

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count



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

Client Sample ID

Conoco, Inc. PPL EHJ

Analysis:

RunID:

Analysis Date:

Chloride, Total

02/09/2008 13:49

Method: E325.2

Lab Sample ID

08020045

WorkOrder: Lab Batch ID:

R227484A

N/A	Δŧ	had	IRI	lank

KONELAB_080209A-4272175

Units:

mg/L A_E

Samples in Analytical Batch:

Analyst:

08020045-01A MW 21 08020045-02A MW 16 08020045-03A

MW 25

Rep Limit Analyte Result ND Chloride

08020045-04A MW 20 08020045-05A MW 17 08020045-06A MW 24 08020045-07A MW 15 08020045-08A MW 4 08020045-09A MW 5 MW 26 08020045-10A

Laboratory Control Sample (LCS)

RunID:

KONELAB_080209A-42721 Units:

mg/L

Analysis Date:

02/09/2008 13:49

Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	50.00	50.46	100.9	80	120

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

Sample Spiked:

08020045-08

RunID:

KONELAB_080209A-42721 Units:

mg/L

Analysis Date:

02/09/2008 14:14

Analyst: ΑE

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	36.81	50	85.36			85.75	97.88	0.4550	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count



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

Conoco, Inc. **PPL EHJ**

Analysis:

Chloride, Total

Method:

RunID:

Analysis Date:

E325.2

WorkOrder:

08020045

Lab Batch ID:

R227484B

Method Blank

Units:

Analyst:

KONELAB_080209A-4272175

Chloride

02/09/2008 13:49

Analyte

mg/L

ΑE

Result

ND

Rep Limit

Samples in Analytical Batch:

Lab Sample ID Client Sample ID 08020045-11A

08020045-12A

08020045-13A

08020045-14A

08020045-15A

08020045-16A 08020045-17A

08020045-18A 08020045-19A MW 18 MW 12 SVE-10

MW 27

MW 23 MW 22

MW 13

MW 19

MW 14

08020045-20A

MW 6

Laboratory Control Sample (LCS)

RunID:

KONELAB_080209A-42721 Units:

mg/L

Analysis Date:

02/09/2008 13:49

Analyst:

A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	50.00	50.46	100.9	80	120

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

Sample Spiked:

08020045-16

RunID:

KONELAB_080209A-42721 Units:

mg/L

Analysis Date:

02/09/2008 15:20

Analyst: ΑE

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	193.8	50	235.2	82.83	50	236.1	84.65	0.3870	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count



HOUSTON LABORATORY

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

Conoco, Inc. **PPL EHJ**

Analysis:

RunID:

Chloride, Total

Method:

E325.2

Lab Batch ID:

Samples in Analytical Batch:

08020045

R227484C

Method Blank

KONELAB_080209A-4272207

Units:

mg/L

Lab Sample ID

Client Sample ID

Analysis Date:

02/09/2008 16:39

Analyst: ΑE 08020045-21A

8 WM

WorkOrder:

08020045-22A

DUP 2

08020045-23A

DUP #3

Analyte	Result	Rep Limit
Chloride	ND	1.0

Laboratory Control Sample (LCS)

RuniD:

KONELAB_080209A-42722 Units:

mg/L

Analysis Date:

02/09/2008 16:40

Analyst:

ΑE

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	50.00	51.82	103.6	80	120

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

Sample Spiked:

08020045-22

RunID:

KONELAB_080209A-42722 Units:

mg/L

Analysis Date:

02/09/2008 16:50

Analyst: A E

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	177.0	50	219.7	85.38	50	218.8	83.63	0.4001	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

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

TNTC - Too numerous to count

08020045 Page 44

Sample Receipt Checklist And Chain of Custody



HOUSTON LABORATORY

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

Sample Receipt Checklist

Workorder: 08020045			Received B			
Date and Time Received: 2/1/2008 10:00:00 AM			Carrier nan	ne: Fe	dex-Standa	rd Overnight
Temperature: 4.0°C			Chilled by:	Wa	ater Ice	
1. Shipping container/cooler in good condition?	Yes 🛂	•	No 🗌		lot Present	
2. Custody seals intact on shippping container/cooler?	Yes		No 🗌	٨	lot Present	\checkmark
3. Custody seals intact on sample bottles?	Yes [No 🗌	١	lot Present	\checkmark
4. Chain of custody present?	Yes 🔽		No 🗌			
5. Chain of custody signed when relinquished and received?	Yes 🔽		No 🗌			
Chain of custody agrees with sample labels? 1.Received a set of trip blanks not listed on chain of custody.	Yes		No 🗹			
7. Samples in proper container/bottle?	Yes 🔽		No 🗌			
 8. Sample containers intact? 2. Received 1 of 6 vials for sample ID "MW 12" broken. 3. Received 1 of 2 amber liters for sample ID "MW 5" broken. 	Yes		No 🗹			
9. Sufficient sample volume for indicated test?	Yes 🔽		No 🗌			
10. All samples received within holding time?	Yes 🛂		No 🗌			
11. Container/Temp Blank temperature in compliance?	Yes 🔽		No 🗌			
12. Water - VOA vials have zero headspace?	Yes 🔽		No 🗆	VOA Vials 1	lot Present	
13. Water - Preservation checked upon receipt (except VOA*)?	Yes [No 🗌	Not	Applicable	✓
*VOA Preservation Checked After Sample Analysis						
SPL Representative: Brown, Electa	Contact	t Date & Ti	me: 2/5/2008	11:08:00 AM	1	
Client Name Contacted: Greg Pope				-		
Non Conformance Issues:						
Client Instructions: Per client analyze the trip blank for BTEX by Meth	od 8021.					

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			Client Name:	1	Phone/Fax: 4	Client Contact: 6.00	Project Name/No.:	Site Name:	Site Location:	Invoice To:	SAME	Oup #3		→	OUP #3)					Client/Consultant Remarks:		Reques	Contract 🗍	24hr 🔲	48hr	Other	Houston,

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

APPENDIX C C-117A Disposal Permit

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

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV

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-30184

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF N	ISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT								
Operator or Owner Tetra Tech, Inc. (for ConocoPhillips, Inc.)	Address 1703 W. Industrial Ave., Midland, TX 79701								
Lease or Facility Name NM1-1 ConocoPhillips Remediation Site Loc	ation Sec 9, T19S, R38E								
OPERATION TO BE PERFORMED:	U.L Sec Twp Rge.								
☐ Tank Cleaning ☐ Sediment Oil Removal	▼ Transportation of Miscellaneous Hydrocarbons								
Operator or Owner Representative authorizing work Greg W	. Pope								
Date Work to be Performed March 13, 2007									
TANK CLEANING DATA Tank Number	Volume								
Tank Type SEDIMENT OIL OR MISCELLANEOUS HYDROCARBO	Volume Below Load Line								
Sediment Oil from:									
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								
DLUME AND DESTINATION: Estimated Volume 120	Bbls. Field test volume of good oilBbls.								
Destination (Name and Location of treating plant or other facility) DESTRUCTION OF SEDIMENT OIL BY: Burning Pi	(Not required prior to Division approval) Sundance Services, Eunice, NM t Disposal Use on Roads or firewalls Other								
(Explain)	<u>_</u>								
Location of Destruction	Location of Destruction								
Justification of Destruction									
CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF I hereby certify that the information above is true and complete to the best of my known in the complete to the complete to the best of my known in the complete to the c									
Owner CuaucoPhillips, Inc.	Transporter Key Energy Services								
By Greg W. Pope (Tetra Tech, Inc.)	Address 418 S. Grimes, Hobbs, NM 88240								
Title Project Manager	Signature Debra Wade								
E-mail Address gwpope57@jaol.com	E-mail Address								
OIL CONSERVATION DIVISION	Title Dispatcher Date March 8, 2007								
Approved By Melde Morgan Title Usin	est peration specialists 3/8/2007								
\mathcal{U}	DISTRIBUTION BY OCD								
A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REI MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK B	OTTOMS SEDIMENT OIL OR								
SCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS									

APPENDIX D Line Pressure Testing Recorder Charts

