3R - 087

MONITORING REPORT

04/18/2005

MAXIM TECHNOLOGIES INC®

10601 Lomas NE, Suite 106
Albuquerque, NM 87112
(505) 237-8440

2006 MAR 31 PM 1 02

3R0087

March 27, 2006

Mr. Glen Von Gonten
State of New Mexico
Oil Conservation Division
Environmental Bureau
1220 South Saint Francis Drive
Santa Fe, NM 87505

RE: (1) ConcoPhillips Federal #15
2005 Site Activities Report
Gila Street, Farmington, New Mexico

Dear Mr. Von Gonten:

Enclosed please find a copy of the above-referenced document as compiled by Maxim Technologies, for the Federal #15 site.

Please do not hesitate to contact me at (505) 237-8440 if you have any questions or require additional information.

Sincerely,

Kelly E. Henderson

Kelly E. Henderson
Project Manager/Geologist

Enclosures (1)

2005 ANNUAL GROUNDWATER AND SITE ACTIVITIES REPORT 3R0087

FEDERAL #15
FARMINGTON, NEW MEXICO

Prepared for:

ConocoPhillips

600 North Dairy Ashford
Houston, TX 77079

Prepared by:

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

10601 Lomas NE, Suite 106
Albuquerque, NM 87112
Maxim Project No. 5690070.100

March 3, 2006

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2005 ANNUAL SITE ACTIVITIES AND GROUNDWATER MONITORING REPORT FEDERAL #15, FARMINGTON, NEW MEXICO

1.0 SITE ACTIVITIES SUMMARY

This report presents the results of groundwater monitoring, a summary of vacuum truck pumping events, and details of monitoring well installation that took place during 2005 at the ConocoPhillips Federal #15 Site in Farmington, New Mexico, by Maxim Technologies (Maxim).

The site is located on the north side of Gila Street. The closest cross street is Main Street, located approximately 0.5 mile to the west of the site. The site consists of gas production well and associated equipment and installations. The location and general features of the Federal #15 site are shown on Figures 1 and 2, respectively.

On Saturday, October 23, 2004 a release was discovered at the site. It was estimated that up to 15 BBL of condensate was unaccounted for. Approximately 1,500 cubic yards of affected soil were excavated and replaced with clean fill during the week of October 25, 2004. Figure 2 illustrates the approximate location of the excavated area. Neal Goates of ConocoPhillips submitted a Release Notification and Corrective Action document, Form C-141, and associated summary report detailing the release and subsequent soil excavation activities in an email to Denny Foust with the New Mexico Oil Conservation Division (NMOCD) on February 20, 2006. These documents are included in Appendix A. ConocoPhillips requests confirmation of closure for the soil remediation portion of the project from the NMOCD. Form C-141 requires a signature from NMOCD in order to confirm closure.

Following soil remediation activities, four, 2-inch PVC groundwater monitoring wells were installed on November 16 and 17, 2004 by Biosphere Environmental Sciences and Technologies, LLC to depths of approximately 20 feet below ground surface (bgs). An additional, downgradient monitoring well, MW-5, was installed to a depth of approximately 17.5 feet bgs on the property south of the site on October 19, 2005 by Spectrum Drilling under the supervision of Maxim. Groundwater was encountered between 10 and 13 feet bgs during drilling and measured at approximately 9 feet bgs following well completion. Soil samples were collected from the auger at depths of 6 to 10 feet bgs and 10 to 15 feet bgs. All samples were below laboratory detection limits for benzene, ethylbenzene, toluene, xylenes and semi volatiles. The laboratory analytical report for the soil samples is located in Appendix B. Boring logs and well completion diagrams for all wells are included as Appendix C.

On July 7, 2005 approximately 145 gallons of fluid was pumped from MW-2 using a vacuum truck operated by Foutz and Bursom of Farmington, New Mexico. On October 19, 2005 approximately 588 gallons of fluid were pumped from MW-2 using a vacuum truck operated by Riley Industrial Services of Farmington, New Mexico. Fluids were disposed of in the onsite waste water sump.

On January 18th, and October 19th and 20th, 2005 Maxim was onsite to conduct groundwater sampling events. Monitoring wells, MW-1, MW-2, MW-3, and MW-4 were developed on January 17th and sampled on January 18th and October 19th. Monitoring well MW-5 was developed on October 19th and sampled on October 20th. Top of monitoring well casing elevations for MW-1, MW-2, MW-3, and MW-4 were recorded by NCE Surveys of Farmington, New Mexico on February 4, 2005. Top of monitoring well casing elevation for MW-5 was determined by Maxim on October 20, 2005.

2.0 GROUNDWATER SAMPLING METHODOLOGY AND RESULTS

The following describes the groundwater monitoring methodology and results:

2.1 Groundwater Monitoring Methodology

On January 17, 2005 monitoring wells MW-1, MW-2, MW-3, and MW-4 were purged until water was clear of visible sediment. Approximately 20 gallons of water were removed from each well. The purged water was disposed of in the waste water sump located on site (Figure 2). On October 19, 2005, monitoring well MW-5 was purged until water was clear of visible sediment. Approximately 80 gallons of water were removed.

On January 18, and October 19 and 20, 2005 monitoring wells were purged of at least three casing volumes of water. A 1.5-inch dedicated, clear, poly-vinyl, disposable bailer was used in each well to collect groundwater samples. The samples were placed in laboratory prepared bottles, packed on ice, and shipped with chain of custody documentation to Severn Trent Laboratories located in Denver, Colorado. The samples were analyzed for presence of benzene, toluene, ethyl-benzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, and chloride by EPA Method 9056.

Groundwater levels were recorded before well development and sampling. The water levels collected prior to sampling during each event were used to create the groundwater elevation contour maps shown as Figures 3a and 3b. Table 1 presents the groundwater levels and the top of casing survey results used to calculate the groundwater elevations at the site.

2.2 Groundwater Sampling Analytical Results

January 18, 2005 Groundwater Sampling Analytical Results

The samples collected from monitor wells MW-2 and MW-3 contained concentrations of benzene above the New Mexico Water Quality Control Commission (NMWQCC) standard of 10 µg/L, at 1,200 micrograms per liter (µ/L) and 190 µg/L, respectively. The sample collected from MW-4 contained benzene below the NMWQCC standard at 2.8 µg/L. The sample collected from MW-1 did not contain detectable benzene.

The sample collected from MW-2 contained concentrations of toluene and xylenes of 3,300 µg/L and 3,500 µg/L, respectively. The NMWQCC standards for toluene and xylenes are 750 µg/L and 620 µg/L, respectively. All other samples were non-detect for toluene and xylenes.

The sample collected from MW-2 contained a concentration of ethyl-benzene at 380 µg/L, below the NMWQCC standard of 750 µg/L. All other samples were non-detect for ethyl-benzene.

The sample collected from MW-2 contained a total naphthalenes concentration of 157 µg/L. The NMWQCC standard for total naphthalenes is 30 µg/L. All other samples were non-detect for total naphthalenes.

All samples contained chloride concentrations below the NMWQCC standard of 250 mg/L (milligrams per liter). Chloride concentrations ranged from 34 mg/L in MW-3 to 85 mg/L in MW-1.

October 19 and 20, 2005 Groundwater Sampling Analytical Results

The samples collected from monitor wells MW-2 and MW-4 contained concentrations of benzene above the New Mexico Water Quality Control Commission (NMWQCC) standard of 10 micrograms per liter (µ/L), at 1,100 µg/L and 23 µg/L, respectively. The samples collected from MW-1, MW-3, and MW-5 did not contain detectable benzene.

The sample collected from MW-2 contained concentrations of toluene and xylenes of 410 µg/L and 470 µg/L, respectively. The sample collected from MW-4 contained concentrations of toluene and xylenes of 2.2 µg/L and 4.3 µg/L, respectively. The NMWQCC standards for toluene and xylenes are 750 µg/L and 620 µg/L, respectively. All other samples were non-detect for toluene and xylenes.

The sample collected from MW-2 contained a concentration of ethyl-benzene at 160 µg/L, below the NMWQCC standard of 750 µg/L. All other samples were non-detect for ethyl-benzene.

The sample collected from MW-2 contained a total naphthalenes (naphthalene plus 1 and 2 methylnaphthalene) concentration of 44 µg/L. The NMWQCC standard for total naphthalenes is 30 µg/L. All other samples were non-detect for total naphthalenes.

All samples contained chloride concentrations below the NMWQCC standard of 250 mg/L (milligrams per liter). Chloride concentrations ranged from 39 mg/L in MW-1 to 73 mg/L in MW-5.

The laboratory analytical reports for the groundwater sampling events of January and October 2005 are located in Appendix D.

FIGURES

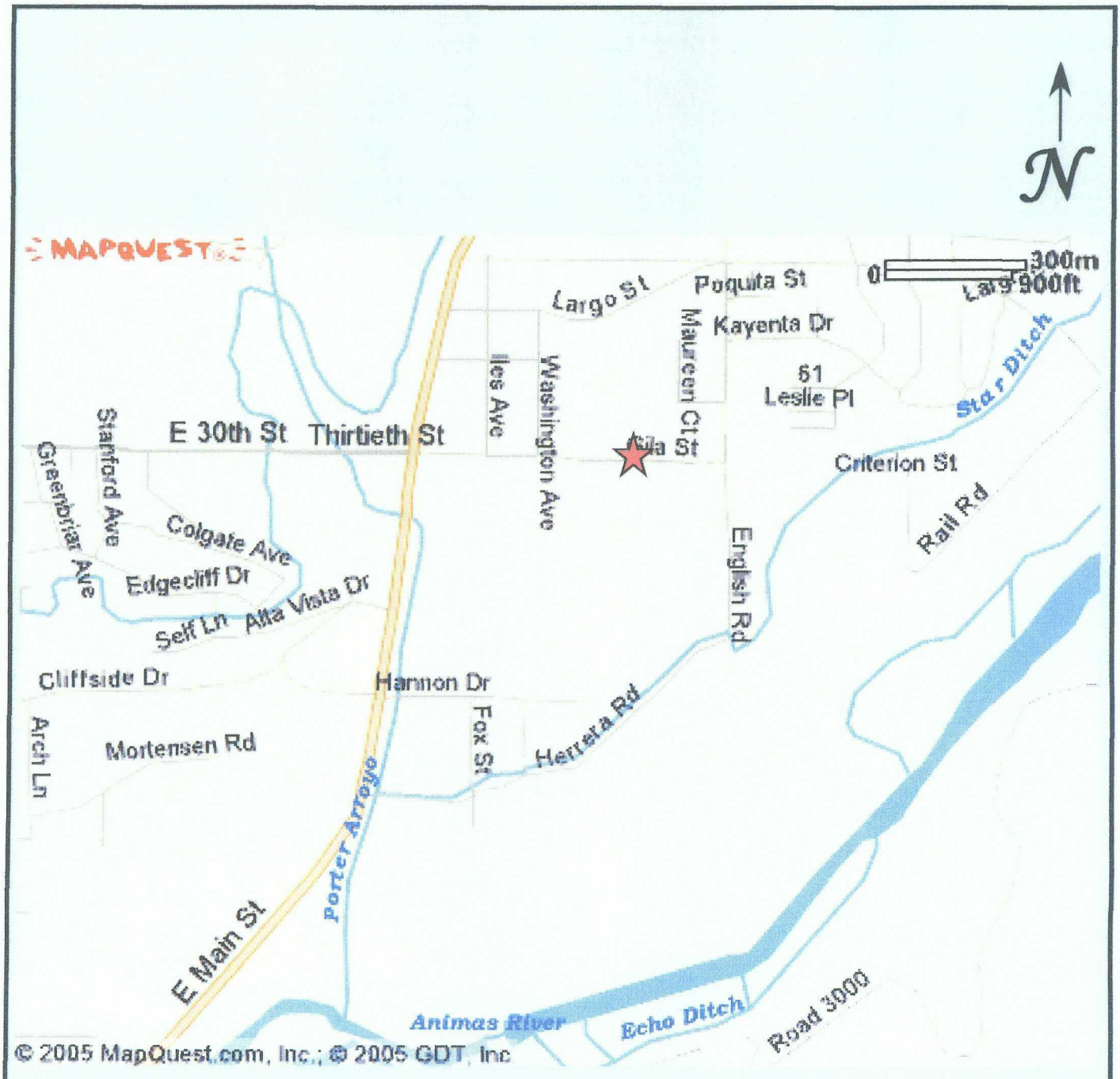

Figure 1. Site Location Map
ConocoPhillips
Federal #15
Farmington, New Mexico 87401

=Approximate ConocoPhillips Federal #15 Site Location

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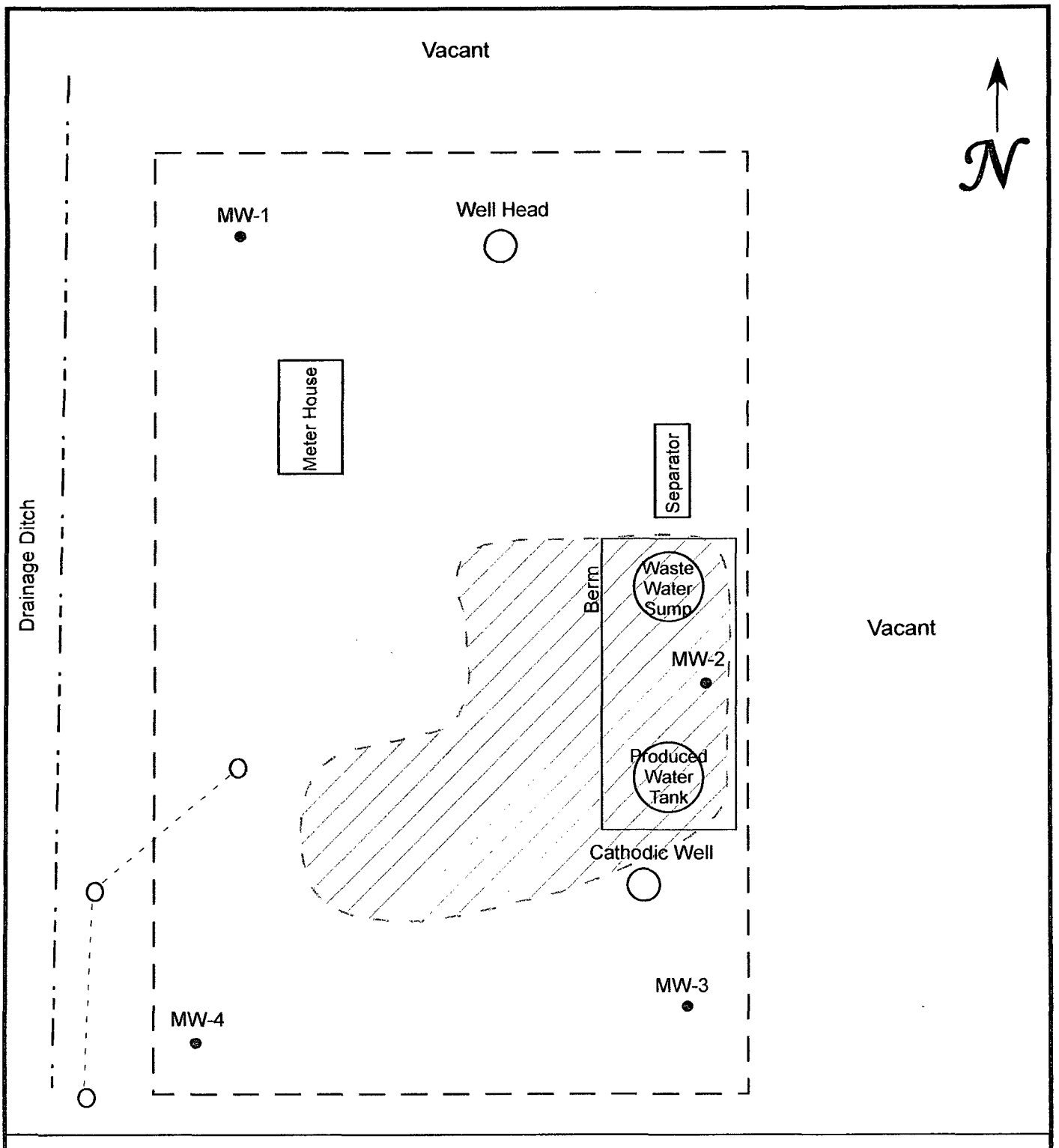


Figure 2. Site Map
ConocoPhillips
Federal #15 Unit A
Farmington, New Mexico 87401

- Monitoring Well
- - - Overhead Electric Line
Approximate Excavation Area

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

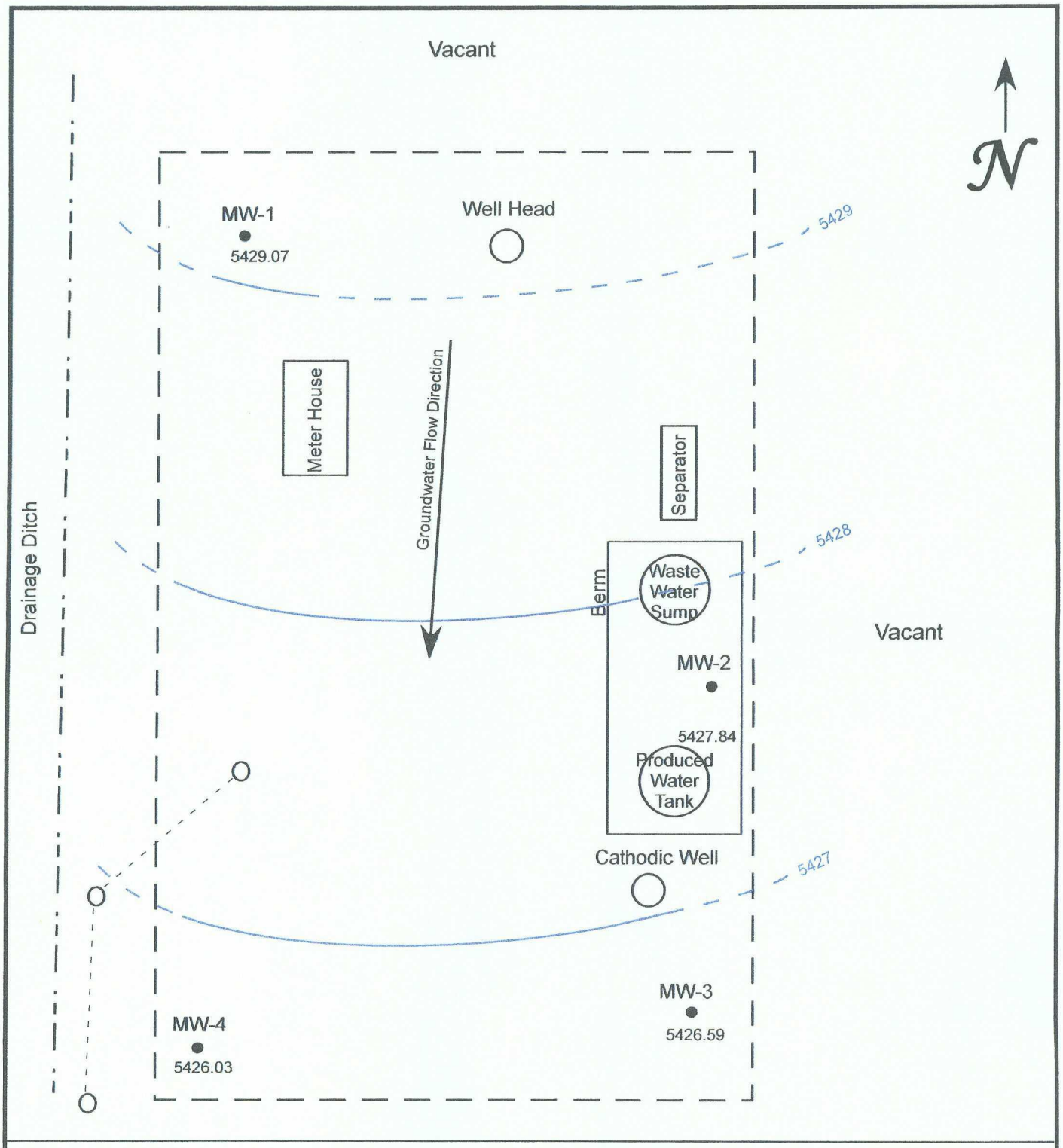


Figure 3a. Groundwater Elevation Contour Map (January 18, 2005)
ConocoPhillips
Federal #15 Unit A
Farmington, New Mexico 87401

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

- ● Monitoring Well
- - - Overhead Electric Line
- Groundwater contour line
- - - Inferred groundwater contour line

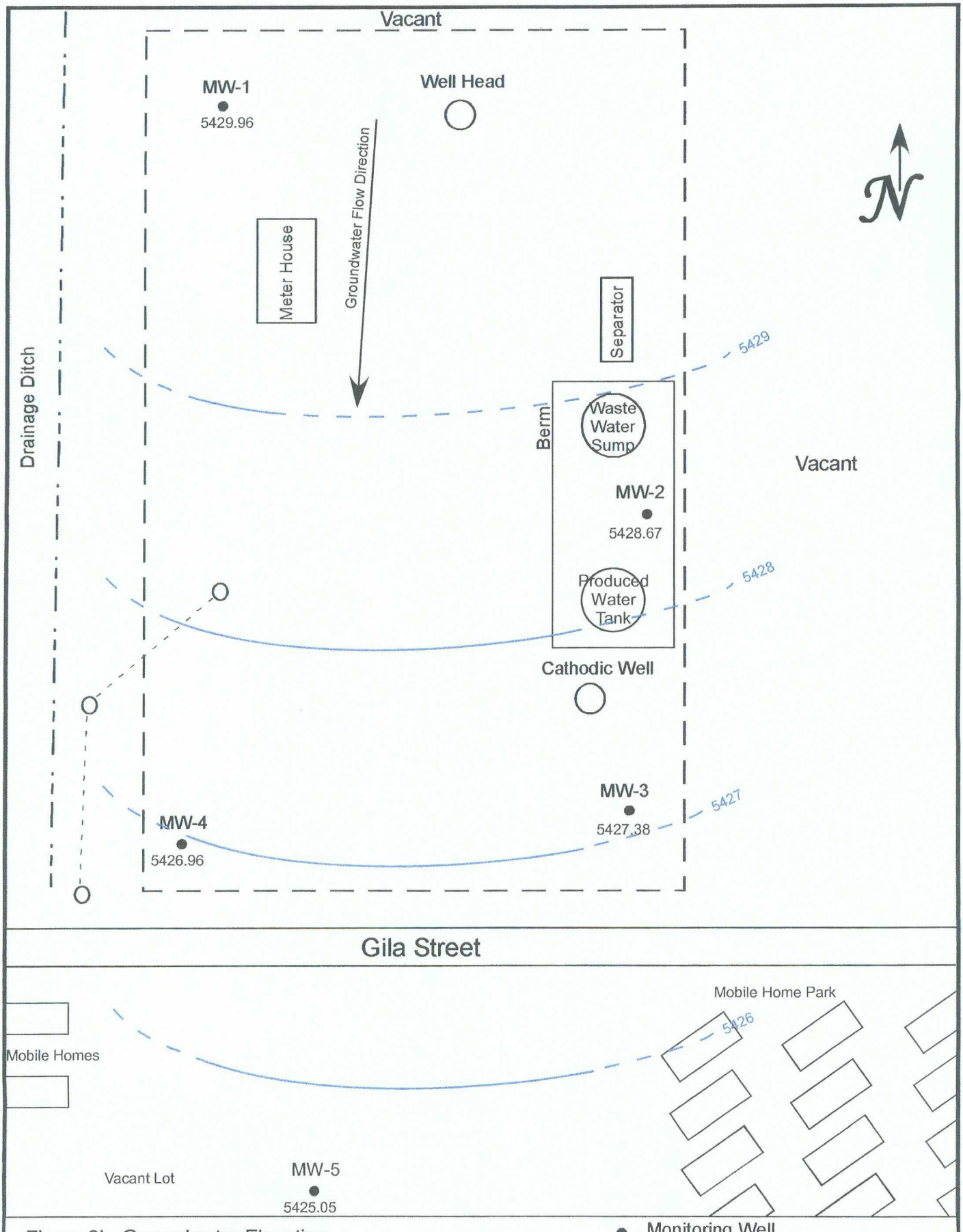


Figure 3b. Groundwater Elevation
Contour Map (October 20, 2005)
ConocoPhillips
Federal #15
Farmington, New Mexico 87401

MAXIM TECHNOLOGIES
A DIVISION OF TETRA TECH, INC.

TABLES

Table 1. ConocoPhillps Federal #15 Groundwater Elevation Table

Well ID	Date Installed	Total Depth (ft. bgs)	Screen Interval (ft)	Date Measured	Groundwater Level (ft TOC)	Elevation (ft. msl) (TOC)	Groundwater Elevation (ft msl)
MW-1	11/17/2004	20	5 - 20	1/18/2005	8.92	5437.99	5429.07
				10/19/2005	8.03		5429.96
MW-2	11/17/2004	20	5 - 20	1/18/2005	9.49	5437.33	5427.84
				10/19/2005	8.66		5428.67
MW-3	11/22/2004	20	5 - 20	1/18/2005	8.54	5435.13	5426.59
				10/19/2005	7.75		5427.38
MW-4	11/22/2004	20	5 - 20	1/18/2005	8.65	5434.68	5426.03
				10/19/2005	7.72		5426.96
MW-5	10/19/2005	17.5	3.5-17.5	10/20/2005	9.11	5434.16	5425.05

ft. = Feet
msl = Mean sea level
TOC = Top of casing
bgs = below ground surface

Table 2. Federal #15 Groundwater Laboratory Analytical Data

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	2-Methylnaphthalene (µg/L)	1-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Total Naphthalene (µg/L)	Chloride (mg/L)
MW-1	1/18/2005	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	85
	10/18/2005	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	39
MW-2	1/18/2005	**1200**	**3300**	380	**3500**	72	34	51	**157**	41
	Duplicate	**1300**	**3700**	410	**3800**	--	--	--	--	--
	10/19/2005	**1100**	410	160	470	18	11	15	**44**	60
	Duplicate	**1100**	500	150	610	--	--	--	--	--
MW-3	1/18/2005	**190**	<5.0	<5.0	<10	<10	<10	<10	<10	34
	10/19/2005	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	42
MW-4	1/18/2005	2.8	<1.0	<1.0	<2.0	<10	<10	<10	<10	37
	10/19/2005	**23**	2.2	<1.0	4.3	<10	<10	<10	<10	51
MW-5	10/20/2005	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	73
NMWQCC Standards		10 (µg/L)	750 (µg/L)	750 (µg/L)	620 (µg/L)	NE	NE	NE	30 (µg/L)	250 mg/L

NMWQCC = New Mexico Water Quality Control Commission
mg/L = milligrams per liter (parts per million)
µg/L = micrograms per liter (parts per billion)
NE=Not Extablished
-- = Not Analyzed

APPENDIX A

Release Notification and Corrective Action Form C-141 for Closure
and Associated Soil Remediation Summary Report

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	ConocoPhillips Company		Contact	Neal Goates	
Address	5525 Hwy. 64, Farmington, NM 87401		Telephone No.	832-379-6427	
Facility Name	Federal #15		Facility Type	Producing Gas Well	API # 30-045-20078
Surface Owner	Private	Mineral Owner	Federal	Lease No.	NM-73982

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	1	T29N	R13W	1040'	North	360'	East	San Juan

Latitude 36.75963 Longitude 108.14885

NATURE OF RELEASE

Type of Release – Condensate	Volume of Release - ~ 15 BBL	Volume Recovered - none
Source of Release: Leaking 300 BBL condensate tank	Date and Hour of Occurrence 10/23/04 – 12:00 p.m.	Date and Hour of Discovery 10/23/04 – 12:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Denny Foust – OCD – 10/25/04 via email	
By Whom? Monica Olson	Date and Hour – 10/25/04 – 3:45 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **A ConocoPhillips lease operator received a call from passers-by on Saturday, October 23rd of a spill on the Federal #15, located off of Gila Street near Halliburton/Walgreens in Farmington. Upon inspection, a ring of paraffin / condensate was found on the grade band on which the 300 BBL condensate tank sits, and appeared to be about a 3 BBL spill. The well was shut in.**

Upon site investigation on Monday, October 25' 2004 hand digging with a shovel showed an affected area of 21' x 21' x 3' deep (at least), which calculates to a 15 BBL spill. A One-Call was submitted, and digging was completed in October 2004.

Describe Area Affected and Cleanup Action Taken.* **No fluids appeared to leave the location. Soil stained from this spill was excavated and brought to the Envirotech landfarm for remediation. See attached summary report.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Neal Goates	OIL CONSERVATION DIVISION	
Printed Name: Neal Goates	Approved by District Supervisor:	
Title: Site Manager	Approval Date:	Expiration Date:
E-mail Address: n.goates@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 2-17-06 Phone: 832-379-6427		

* Attach Additional Sheets If Necessary

B.
E.
S.
T.

Biosphere Environmental Sciences & Technologies, LLC
5101 N. College Blvd. Suite 5061
Phone: (505) 566-3703 Fax: (505) 566-3698
Email: fmcd_best@hotmail.com

Federal Com #15, Unit L, Section 15, Township 30 North, Range 11 West.
Summary

Introduction:

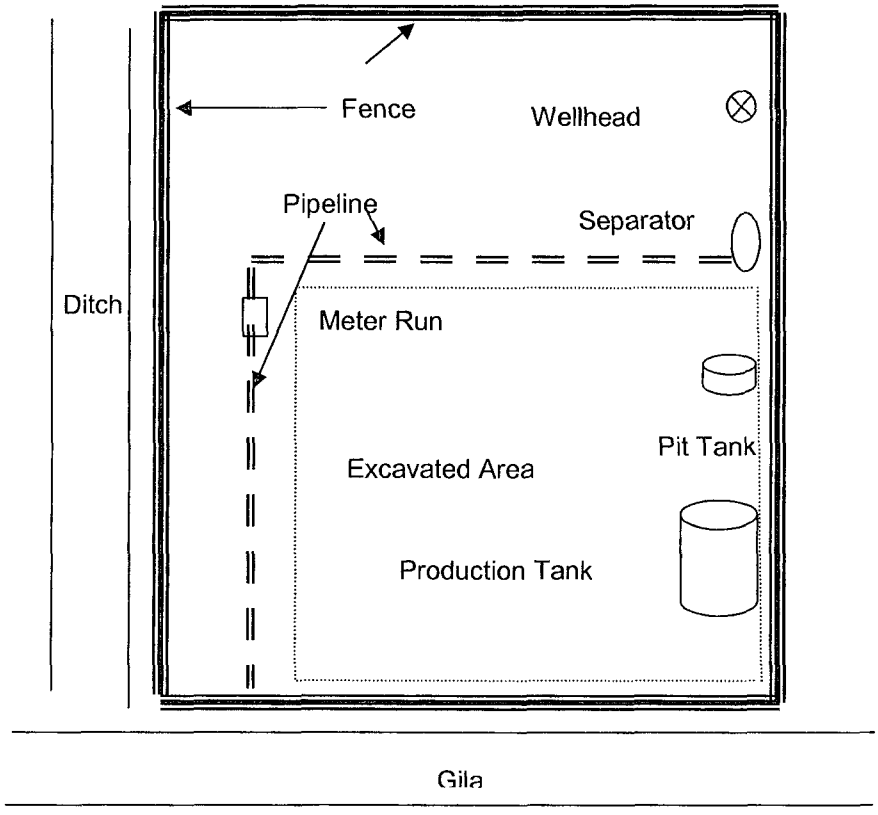
Biosphere Environmental Sciences & Technologies L.L.C. (***B.E.S.T.***) was contacted by ConocoPhillips San Juan Business Unit to oversee the removal of hydrocarbon impacted soils from the Federal Com #15. The soils were impacted due to failure of a steel production tank. During excavation, ***B.E.S.T.*** encountered evidence of a historical pit. Groundwater was encountered at approximately 10 to 12 feet below the ground surface.

Summary of Field Activities:

Excavation began on October 27, 2004. Excavation of hydrocarbon impacted soils was provided by High Desert Roustabout, Welding, and Construction.

Soils were listed as sandy to clay loam. River rock was encountered within 6-ft. Black and gray staining occurred from approximately 4-ft to total depth at 10-12 feet. Samples were extracted and analyzed utilizing headspace method. A photoionization device (PID) was utilized for the headspace analysis. Results of the headspace analysis varied from 2400 parts per million (ppm) to over 4250 ppm throughout the excavation. Impacted soils were excavated to approximately 1-2 feet below groundwater. Lateral excavation was limited due to equipment and pipelines and edge of location (Gila Street on south side and fencing along east side). All excavated soil was transported to Envirotech Landfarm located on US Hwy 550. Clean fill dirt was transported back and utilized as fill material. See attached diagram.

Federal Com #15
ConocoPhillips
B.E.S.T.



APPENDIX B

Soil Laboratory Analytical Results

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

AMENDED ANALYTICAL REPORT

Federal Com #15

WO# 6845MAX005

Lot #: D5J210462

Ms. Kelly Henderson

Maxim Technologies
10601 Lomas NE
Suite 106
Albuquerque, NM 87112

Severn Trent Laboratories

Donna Rydberg
Project Manager

November 3, 2005
Reissued Report Date – November 7, 2005

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages

Standard Deliverables

*The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*

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Case Narrative

D5J210462

The following amended report contains the analytical result for two samples submitted to STL Denver on October 21, 2005, according to documented sample acceptance procedures. At the request of the client the data was reissued without qualified data, "J" flags.

The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

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

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory at a temperature of 2.8°C. Sample containers were received in acceptable condition.

Method 8260B – GC/MS Volatiles

No anomalies were observed.

Method 8270C/PAH - GC/MS Semivolatiles

No anomalies were observed.

General Chemistry

No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D5J210462

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D5J210462

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	SW846 9056	SW846 9056
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

METHOD / ANALYST SUMMARY

D5J210462

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 8260B	Dan Appelhans	001008
SW846 8270C	Mike G. Hoffman	001880
SW846 9056	Ewa Kudla	001167

References:

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

SAMPLE SUMMARY

D5J210462

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HNDLC	001	MW-5 (6-10)	10/19/05	16:30
HNDLK	002	MW-5 (10-15)	10/19/05	17:00

NOTE(S):

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

Maxim Technologies, Inc.

Client Sample ID: MW-5 (6-10)

GC/MS Volatiles

Lot-Sample #...: D5J210462-001 **Work Order #...:** HNDLC1AA **Matrix.....:** SOLID
Date Sampled...: 10/19/05 16:30 **Date Received..:** 10/21/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/25/05
Prep Batch #...: 5299551 **Analysis Time..:** 20:59
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	5.0	ug/kg	0.090
Ethylbenzene	ND	5.0	ug/kg	0.090
Toluene	ND	5.0	ug/kg	0.080
Xylenes (total)	ND	5.0	ug/kg	0.030

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(10 - 179)
1,2-Dichloroethane-d4	84	(60 - 143)
4-Bromofluorobenzene	100	(59 - 129)
Toluene-d8	102	(68 - 134)

Maxim Technologies, Inc.

Client Sample ID: MW-5 (10-15)

GC/MS Volatiles

Lot-Sample #...: D5J210462-002 **Work Order #...:** HNDLK1AA **Matrix.....:** SOLID
Date Sampled...: 10/19/05 17:00 **Date Received..:** 10/21/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/25/05
Prep Batch #...: 5299551 **Analysis Time..:** 21:23
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	5.0	ug/kg	0.090
Ethylbenzene	ND	5.0	ug/kg	0.090
Toluene	ND	5.0	ug/kg	0.080
Xylenes (total)	ND	5.0	ug/kg	0.030

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(10 - 179)
1,2-Dichloroethane-d4	84	(60 - 143)
4-Bromofluorobenzene	102	(59 - 129)
Toluene-d8	102	(68 - 134)

Maxim Technologies, Inc.

Client Sample ID: MW-5 (6-10)

GC/MS Semivolatiles

Lot-Sample #...: D5J210462-001 **Work Order #...:** HNDLC1AD **Matrix.....:** SOLID
Date Sampled...: 10/19/05 16:30 **Date Received..:** 10/21/05
Prep Date.....: 10/24/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5297653 **Analysis Time..:** 19:47
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	17
Acenaphthylene	ND	330	ug/kg	17
Anthracene	ND	330	ug/kg	17
Benzo(a)anthracene	ND	330	ug/kg	20
Benzo(b)fluoranthene	ND	330	ug/kg	53
Benzo(k)fluoranthene	ND	330	ug/kg	40
Benzo(ghi)perylene	ND	330	ug/kg	16
Benzo(a)pyrene	ND	330	ug/kg	20
Chrysene	ND	330	ug/kg	27
Dibenz(a,h)anthracene	ND	330	ug/kg	19
Fluoranthene	ND	330	ug/kg	36
Fluorene	ND	330	ug/kg	18
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	22
2-Methylnaphthalene	ND	330	ug/kg	19
1-Methylnaphthalene	ND	330	ug/kg	22
Naphthalene	ND	330	ug/kg	31
Phenanthrene	ND	330	ug/kg	17
Pyrene	ND	330	ug/kg	130

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(10 - 112)
Phenol-d5	62	(17 - 105)
Nitrobenzene-d5	58	(14 - 107)
2-Fluorobiphenyl	58	(10 - 112)
2,4,6-Tribromophenol	58	(10 - 128)
Terphenyl-d14	61	(10 - 135)

Maxim Technologies, Inc.

Client Sample ID: MW-5 (10-15)

GC/MS Semivolatiles

Lot-Sample #...: D5J210462-002 **Work Order #...:** HNDLK1AD **Matrix.....:** SOLID
Date Sampled...: 10/19/05 17:00 **Date Received..:** 10/21/05
Prep Date.....: 10/24/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5297653 **Analysis Time..:** 20:27
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	17
Acenaphthylene	ND	330	ug/kg	17
Anthracene	ND	330	ug/kg	17
Benzo(a)anthracene	ND	330	ug/kg	20
Benzo(b)fluoranthene	ND	330	ug/kg	53
Benzo(k)fluoranthene	ND	330	ug/kg	40
Benzo(ghi)perylene	ND	330	ug/kg	16
Benzo(a)pyrene	ND	330	ug/kg	20
Chrysene	ND	330	ug/kg	27
Dibenz(a,h)anthracene	ND	330	ug/kg	19
Fluoranthene	ND	330	ug/kg	36
Fluorene	ND	330	ug/kg	18
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	22
2-Methylnaphthalene	ND	330	ug/kg	19
1-Methylnaphthalene	ND	330	ug/kg	22
Naphthalene	ND	330	ug/kg	31
Phenanthrene	ND	330	ug/kg	17
Pyrene	ND	330	ug/kg	130

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(10 - 112)
Phenol-d5	53	(17 - 105)
Nitrobenzene-d5	51	(14 - 107)
2-Fluorobiphenyl	50	(10 - 112)
2,4,6-Tribromophenol	53	(10 - 128)
Terphenyl-d14	57	(10 - 135)

Maxim Technologies, Inc.

Client Sample ID: MW-5 (6-10)

General Chemistry

Lot-Sample #...: D5J210462-001 **Work Order #...:** HNDLC **Matrix.....:** SOLID
Date Sampled...: 10/19/05 16:30 **Date Received..:** 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	30	mg/kg	SW846 9056	10/25-10/26/05	5299126

Dilution Factor: 1 Analysis Time..: 03:40 MDL.....: 1.4

Maxim Technologies, Inc.

Client Sample ID: MW-5 (10-15)

General Chemistry

Lot-Sample #...: D5J210462-002 **Work Order #...:** HNDLK **Matrix.....:** SOLID
Date Sampled...: 10/19/05 17:00 **Date Received..:** 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	30	mg/kg	SW846 9056	10/25-10/26/05	5299126

Dilution Factor: 1 Analysis Time..: 04:26 MDL.....: 1.4

QC DATA ASSOCIATION SUMMARY

D5J210462

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 9056		5299126	5299320
	SOLID	SW846 8260B		5299551	5300234
	SOLID	SW846 8270C		5297653	5297332
002	SOLID	SW846 9056		5299126	5299320
	SOLID	SW846 8260B		5299551	5300234
	SOLID	SW846 8270C		5297653	5297332

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D5J210462 **Work Order #...:** HNQQP1AA **Matrix.....:** SOLID
MB Lot-Sample #: D5J260000-551

Prep Date.....: 10/25/05 **Analysis Time..:** 12:39
Analysis Date..: 10/25/05 **Prep Batch #...:** 5299551
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(10 - 179)
1,2-Dichloroethane-d4	89	(60 - 143)
4-Bromofluorobenzene	105	(59 - 129)
Toluene-d8	107	(68 - 134)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5J210462 **Work Order #...:** HNQQP1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D5J260000-551 HNQQP1AD-LCSD
Prep Date.....: 10/25/05 **Analysis Date..:** 10/25/05
Prep Batch #...: 5299551 **Analysis Time..:** 11:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**97**	**(77 - 143)**			**SW846 8260B**
	98	**(77 - 143)**	**0.76**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**99**	**(74 - 114)**			**SW846 8260B**
	96	**(74 - 114)**	**2.5**	**(0-20)**	**SW846 8260B**
Trichloroethene	**94**	**(78 - 118)**			**SW846 8260B**
	94	**(78 - 118)**	**0.080**	**(0-20)**	**SW846 8260B**
Benzene	**100**	**(76 - 116)**			**SW846 8260B**
	98	**(76 - 116)**	**2.4**	**(0-20)**	**SW846 8260B**
Toluene	**102**	**(72 - 113)**			**SW846 8260B**
	99	**(72 - 113)**	**2.2**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(75 - 121)
	91	(75 - 121)
1,2-Dichloroethane-d4	93	(58 - 140)
	92	(58 - 140)
4-Bromofluorobenzene	109	(76 - 127)
	110	(76 - 127)
Toluene-d8	114	(80 - 126)
	113	(80 - 126)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5J210462 **Work Order #...:** HNQQP1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D5J260000-551 HNQQP1AD-LCSD
Prep Date.....: 10/25/05 **Analysis Date..:** 10/25/05
Prep Batch #...: 5299551 **Analysis Time..:** 11:30
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**50.0**	**48.6**	**ug/kg**	**97**		**SW846 8260B**
	50.0	**48.9**	**ug/kg**	**98**	**0.76**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.4**	**ug/kg**	**99**		**SW846 8260B**
	50.0	**48.2**	**ug/kg**	**96**	**2.5**	**SW846 8260B**
Trichloroethene	**50.0**	**47.2**	**ug/kg**	**94**		**SW846 8260B**
	50.0	**47.2**	**ug/kg**	**94**	**0.080**	**SW846 8260B**
Benzene	**50.0**	**50.0**	**ug/kg**	**100**		**SW846 8260B**
	50.0	**48.8**	**ug/kg**	**98**	**2.4**	**SW846 8260B**
Toluene	**50.0**	**50.8**	**ug/kg**	**102**		**SW846 8260B**
	50.0	**49.7**	**ug/kg**	**99**	**2.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(75 - 121)
	91	(75 - 121)
1,2-Dichloroethane-d4	93	(58 - 140)
	92	(58 - 140)
4-Bromofluorobenzene	109	(76 - 127)
	110	(76 - 127)
Toluene-d8	114	(80 - 126)
	113	(80 - 126)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5J210462 **Work Order #...:** HM1RM1AP-MS **Matrix.....:** SOLID
MS Lot-Sample #: D5J180333-003 HM1RM1AQ-MSD
Date Sampled...: 10/18/05 13:05 **Date Received..:** 10/18/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/25/05
Prep Batch #...: 5299551 **Analysis Time..:** 17:53
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**81**	**(32 - 146)**			**SW846 8260B**
	78	**(32 - 146)**	**4.6**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**84**	**(31 - 129)**			**SW846 8260B**
	79	**(31 - 129)**	**7.2**	**(0-29)**	**SW846 8260B**
Trichloroethene	**84**	**(34 - 132)**			**SW846 8260B**
	81	**(34 - 132)**	**3.6**	**(0-49)**	**SW846 8260B**
Benzene	**88**	**(41 - 130)**			**SW846 8260B**
	84	**(41 - 130)**	**4.2**	**(0-25)**	**SW846 8260B**
Toluene	**84**	**(30 - 130)**			**SW846 8260B**
	79	**(30 - 130)**	**6.5**	**(0-31)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(10 - 179)
	91	(10 - 179)
1,2-Dichloroethane-d4	87	(60 - 143)
	88	(60 - 143)
4-Bromofluorobenzene	103	(59 - 129)
	104	(59 - 129)
Toluene-d8	106	(68 - 134)
	104	(68 - 134)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5J210462 **Work Order #...:** HM1RM1AP-MS **Matrix.....:** SOLID
MS Lot-Sample #: D5J180333-003 HM1RM1AQ-MSD
Date Sampled...: 10/18/05 13:05 **Date Received..:** 10/18/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/25/05
Prep Batch #...: 5299551 **Analysis Time..:** 17:53
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**51.5**	**41.9**	**ug/kg**	**81**		**SW846 8260B**
	ND	**51.5**	**40.0**	**ug/kg**	**78**	**4.6**	**SW846 8260B**
Chlorobenzene	**ND**	**51.5**	**43.5**	**ug/kg**	**84**		**SW846 8260B**
	ND	**51.5**	**40.5**	**ug/kg**	**79**	**7.2**	**SW846 8260B**
Trichloroethene	**ND**	**51.5**	**43.1**	**ug/kg**	**84**		**SW846 8260B**
	ND	**51.5**	**41.6**	**ug/kg**	**81**	**3.6**	**SW846 8260B**
Benzene	**ND**	**51.5**	**45.1**	**ug/kg**	**88**		**SW846 8260B**
	ND	**51.5**	**43.3**	**ug/kg**	**84**	**4.2**	**SW846 8260B**
Toluene	**ND**	**51.5**	**43.6**	**ug/kg**	**84**		**SW846 8260B**
	ND	**51.5**	**40.8**	**ug/kg**	**79**	**6.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(10 - 179)
	91	(10 - 179)
1,2-Dichloroethane-d4	87	(60 - 143)
	88	(60 - 143)
4-Bromofluorobenzene	103	(59 - 129)
	104	(59 - 129)
Toluene-d8	106	(68 - 134)
	104	(68 - 134)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNHCG1AA **Matrix.....:** SOLID
MB Lot-Sample #: D5J240000-653

Prep Date.....: 10/24/05 **Analysis Time..:** 16:51
Analysis Date..: 10/28/05 **Prep Batch #...:** 5297653
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270C
1-Methylnaphthalene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(10 - 112)
Phenol-d5	75	(17 - 105)
Nitrobenzene-d5	71	(14 - 107)
2-Fluorobiphenyl	67	(10 - 112)
2,4,6-Tribromophenol	65	(10 - 128)
Terphenyl-d14	74	(10 - 135)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNHCG1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D5J240000-653
Prep Date.....: 10/24/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5297653 **Analysis Time..:** 14:41
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
4-Chloro-3-methylphenol	**79**	**(51 - 94)**	**SW846 8270C**
2-Chlorophenol	**73**	**(47 - 95)**	**SW846 8270C**
Acenaphthene	**70**	**(49 - 90)**	**SW846 8270C**
1,4-Dichlorobenzene	**63**	**(46 - 86)**	**SW846 8270C**
2,4-Dinitrotoluene	**74**	**(50 - 96)**	**SW846 8270C**
4-Nitrophenol	**70**	**(40 - 91)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**66**	**(46 - 88)**	**SW846 8270C**
Pentachlorophenol	**63**	**(27 - 93)**	**SW846 8270C**
Phenol	**72**	**(46 - 95)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**65**	**(45 - 89)**	**SW846 8270C**
Pyrene	**68**	**(51 - 101)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(52 - 91)
Phenol-d5	71	(52 - 92)
Nitrobenzene-d5	68	(50 - 90)
2-Fluorobiphenyl	65	(49 - 89)
2,4,6-Tribromophenol	65	(45 - 97)
Terphenyl-d14	69	(55 - 107)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNHCG1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D5J240000-653
Prep Date.....: 10/24/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5297653 **Analysis Time..:** 14:41
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
4-Chloro-3-methylphenol	**5020**	**3980**	**ug/kg**	**79**	**SW846 8270C**
2-Chlorophenol	**5020**	**3660**	**ug/kg**	**73**	**SW846 8270C**
Acenaphthene	**3340**	**2330**	**ug/kg**	**70**	**SW846 8270C**
1,4-Dichlorobenzene	**3340**	**2090**	**ug/kg**	**63**	**SW846 8270C**
2,4-Dinitrotoluene	**3340**	**2490**	**ug/kg**	**74**	**SW846 8270C**
4-Nitrophenol	**5020**	**3500**	**ug/kg**	**70**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**3340**	**2200**	**ug/kg**	**66**	**SW846 8270C**
Pentachlorophenol	**5020**	**3150**	**ug/kg**	**63**	**SW846 8270C**
Phenol	**5020**	**3600**	**ug/kg**	**72**	**SW846 8270C**
1,2,4-Trichloro-benzene	**3340**	**2190**	**ug/kg**	**65**	**SW846 8270C**
Pyrene	**3340**	**2290**	**ug/kg**	**68**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(52 - 91)
Phenol-d5	71	(52 - 92)
Nitrobenzene-d5	68	(50 - 90)
2-Fluorobiphenyl	65	(49 - 89)
2,4,6-Tribromophenol	65	(45 - 97)
Terphenyl-d14	69	(55 - 107)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNDLK1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D5J210462-002 HNDLK1AF-MSD
Date Sampled...: 10/19/05 17:00 **Date Received..:** 10/21/05
Prep Date.....: 10/24/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5297653 **Analysis Time..:** 15:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Chloro-3-methylphenol	72	(34 - 101)			SW846 8270C
	57	(34 - 101)	22	(0-74)	SW846 8270C
2-Chlorophenol	55	(21 - 105)			SW846 8270C
	46	(21 - 105)	19	(0-72)	SW846 8270C
Acenaphthene	59	(34 - 98)			SW846 8270C
	47	(34 - 98)	21	(0-71)	SW846 8270C
1,4-Dichlorobenzene	47	(31 - 87)			SW846 8270C
	38	(31 - 87)	22	(0-74)	SW846 8270C
2,4-Dinitrotoluene	71	(34 - 108)			SW846 8270C
	60	(34 - 108)	16	(0-82)	SW846 8270C
4-Nitrophenol	74	(15 - 114)			SW846 8270C
	60	(15 - 114)	20	(0-100)	SW846 8270C
N-Nitrosodi-n-propyl-amine	51	(36 - 91)			SW846 8270C
	43	(36 - 91)	17	(0-71)	SW846 8270C
Pentachlorophenol	67	(15 - 97)			SW846 8270C
	53	(15 - 97)	22	(0-100)	SW846 8270C
Phenol	55	(33 - 96)			SW846 8270C
	46	(33 - 96)	17	(0-68)	SW846 8270C
1,2,4-Trichloro-benzene	50	(33 - 91)			SW846 8270C
	40	(33 - 91)	22	(0-70)	SW846 8270C
Pyrene	72	(13 - 123)			SW846 8270C
	57	(13 - 123)	22	(0-74)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(10 - 112)
	43	(10 - 112)
Phenol-d5	55	(17 - 105)
	46	(17 - 105)
Nitrobenzene-d5	53	(14 - 107)
	44	(14 - 107)
2-Fluorobiphenyl	51	(10 - 112)
	42	(10 - 112)
2,4,6-Tribromophenol	63	(10 - 128)
	52	(10 - 128)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNDLK1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D5J210462-002 HNDLK1AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	67	(10 - 135)
	55	(10 - 135)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNDLK1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D5J210462-002 HNDLK1AF-MSD
Date Sampled...: 10/19/05 17:00 **Date Received..:** 10/21/05
Prep Date.....: 10/24/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5297653 **Analysis Time..:** 15:01
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4-Chloro-3-methylphenol	ND	4870	3510	ug/kg	72		SW846 8270C
	ND	4900	2800	ug/kg	57	22	SW846 8270C
2-Chlorophenol	ND	4870	2700	ug/kg	55		SW846 8270C
	ND	4900	2230	ug/kg	46	19	SW846 8270C
Acenaphthene	ND	3250	1900	ug/kg	59		SW846 8270C
	ND	3270	1540	ug/kg	47	21	SW846 8270C
1,4-Dichlorobenzene	ND	3250	1530	ug/kg	47		SW846 8270C
	ND	3270	1230	ug/kg	38	22	SW846 8270C
2,4-Dinitrotoluene	ND	3250	2300	ug/kg	71		SW846 8270C
	ND	3270	1970	ug/kg	60	16	SW846 8270C
4-Nitrophenol	ND	4870	3580	ug/kg	74		SW846 8270C
	ND	4900	2930	ug/kg	60	20	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3250	1660	ug/kg	51		SW846 8270C
	ND	3270	1400	ug/kg	43	17	SW846 8270C
Pentachlorophenol	ND	4870	3250	ug/kg	67		SW846 8270C
	ND	4900	2620	ug/kg	53	22	SW846 8270C
Phenol	ND	4870	2690	ug/kg	55		SW846 8270C
	ND	4900	2270	ug/kg	46	17	SW846 8270C
1,2,4-Trichloro-benzene	ND	3250	1620	ug/kg	50		SW846 8270C
	ND	3270	1300	ug/kg	40	22	SW846 8270C
Pyrene	ND	3250	2330	ug/kg	72		SW846 8270C
	ND	3270	1870	ug/kg	57	22	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(10 - 112)
	43	(10 - 112)
Phenol-d5	55	(17 - 105)
	46	(17 - 105)
Nitrobenzene-d5	53	(14 - 107)
	44	(14 - 107)
2-Fluorobiphenyl	51	(10 - 112)
	42	(10 - 112)
2,4,6-Tribromophenol	63	(10 - 128)
	52	(10 - 128)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210462 **Work Order #...:** HNDLK1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D5J210462-002 HNDLK1AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	67	(10 - 135)
	55	(10 - 135)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D5J210462 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HNNCN1AA		MB Lot-Sample #:	D5J260000-126	
	ND	30	mg/kg	SW846 9056	10/25/05	5299126
		Dilution Factor: 1				
		Analysis Time..: 21:48				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D5J210462 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:HNNCN1AC-LCS/HNNCN1AD-LCSD				LCS Lot-Sample#: D5J260000-126	
	103	(89 - 109)			SW846 9056	10/25/05	5299126
	102	(89 - 109)	0.97	(0-10)	SW846 9056	10/25/05	5299126

Dilution Factor: 1 Analysis Time..: 20:47

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D5J210462 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:HNNCN1AC-LCS/HNNCN1AD-LCSD				LCS Lot-Sample#: D5J260000-126		
	200	206	mg/kg	103		SW846 9056	10/25/05	5299126
	200	204	mg/kg	102	0.97	SW846 9056	10/25/05	5299126

Dilution Factor: 1 Analysis Time..: 20:47

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5J210462 **Matrix.....:** SOLID
Date Sampled...: 10/19/05 16:30 **Date Received..:** 10/21/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HNDLC1AE-MS/HNDLC1AF-MSD				MS Lot-Sample #: D5J210462-001	
	100	(89 - 109)			SW846 9056	10/25-10/26/05	5299126
	95	(89 - 109)	4.9	(0-10)	SW846 9056	10/25-10/26/05	5299126
		Dilution Factor: 1					
		Analysis Time..: 03:55					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5J210462 **Matrix.....:** SOLID
Date Sampled...: 10/19/05 16:30 **Date Received..:** 10/21/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: HNDLC1AE-MS/HNDLC1AF-MSD				MS Lot-Sample #: D5J210462-001		
	ND	250	252	mg/kg	100		SW846 9056	10/25-10/26/05	5299126
	ND	250	240	mg/kg	95	4.9	SW846 9056	10/25-10/26/05	5299126
			Dilution Factor: 1						
			Analysis Time..: 03:55						

NOTE(S):

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

Chain of Custody Record

STL4149 (1202)

2.8° IR2 10/21/05 ~~10/21/05~~ CHAIN OF CUSTODY NUMBER

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

49855

31

Client	Project Manager	Date
Maxim Technologies, Inc.	Clye Yancey	09/08/2005
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
10601 Lomas N.E., Suite 106	(505) 237-8440 / (505) 237-8656	STL Denver

City	State	Zip Code	Site Contact
Albuquerque	NM	87112	Clye Yancey

Project Number/Name: Federal Com #15

Carrier/Waybill Number:

Contract/Purchase Order/Quote Number: CONTRACT / PURCHASE ORDER # : QUOTE: 66662

Page 1 of 1

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	Analysis: MS8260-SS	Analysis: MS8270-SS	Analysis: ICCL--S
MW-5 (0-10)	10-19-05	16:3?	SOLID	4oz	CLEAR GL	1	None		X		
MW-5 (6-10)	10-19-05	16:3?	SOLID	8oz	CLEAR GL	1	None			X	X
MW-5 (6-15)	10-19-05	17:00	SOLID	4oz	CLEAR GL	1	None		X		
MW-5 (10-15)	10-19-05	17:00	SOLID	8oz	CLEAR GL	1	None			X	X

Special Instructions: QUOTE 66662 8260B/BTEX, 8270C/PAH, 9056 CHLORIDE

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

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

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

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

Project Specific Requirements (Specify):

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	10-20-05	16:00	1. [signature]	10-21-05	0930
2.			2.		
3.			3.		

Comments

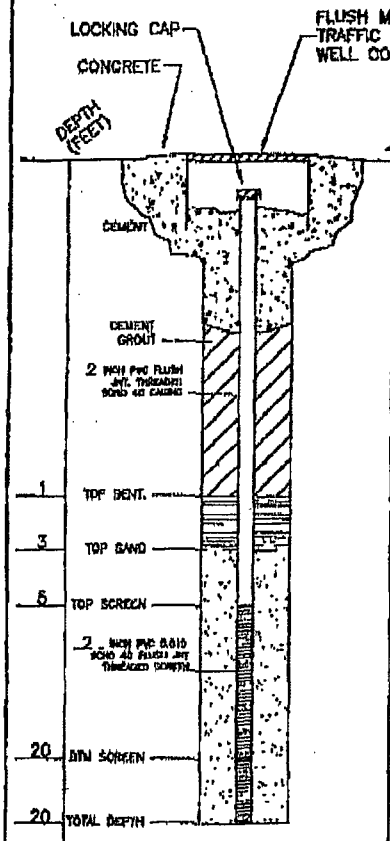
[redacted] TRIBU [redacted] WHI [redacted] ays w [redacted] Sampl [redacted] JARY [redacted] ned to [redacted] with R [redacted] PINK [redacted] Copy [redacted]

APPENDIX C

Soil Boring Logs and Monitor Well Completion Diagrams

BELOW GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG

MW-1



DEPTH (FEET)	TIME	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
					fill	
					clay/sand, tan	
	910	SS	0		sand, fine-medium, tan-brown, dry	5
	920	SS	0		clay/sand, fine-medium, tan-brown, cobble	10
					cobbles at 10.5'	
					clay/cobbles, brown, moist	15
					water level	
	957				bottom of cobbles	
	1008	SS			clayey sand, medium, gray, wet, no odor	20
					TD = 20'	

Well Materials Used:

9 Sks 10-12 Silica Sand
1 Sks Bentonite Chips
___ Sks Class "A" Cement
2 Sks Quickcrete
5 Ft Blank Casing
15 Ft Screen

Well Development:

_____ Bailed
_____ Pumped
_____ Gallons of Water

Remarks:
GW estimated at 15'

DRILLER: KELLY PADILLA
HELPER: Farrell Chee/Jerold Joe
DRILLING COMPANY: ENVIROTECH
DRILLING METHOD: HSA

BIT SIZE: 7 7/8
TOTAL BORING DEPTH: 20'
DATE STARTED: 11/17/04
SAMPLER TYPE: SS

LOCATION: Fed Comp 15 Unit A
ELEVATION:
DATE COMPLETED 11/17/04
GEOLOGIST: Jack Collins

Conoco Phillips
Fed Comp 15 Unit A
Farmington, New Mexico

REVISIONS
BY ___ DATE ___
BY ___ DATE ___

Project No. 96052-189

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615
BlerOnBlog.dwg

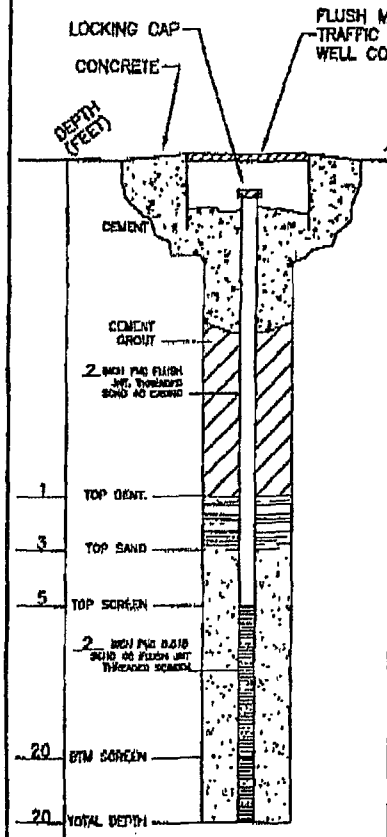
MW-1

DATE 11/23/04 DRAWN TCR
SCALE NONE APPROVED CJC

PAGE 1 OF 1

BELOW GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG

MW-2



DEPTH (FEET)	TIME	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
					fill	
	1345	SS	0		clayey sand, fill, brown, no odor	5
	1358	SS	0			10
					cobbles at 11.0'	
					water level	
	1415	SS	294		broken cobble, wet, hydrocarbon odor	15
					bottom of cobbles at 17.5'	
	1430	SS	0		clayey sand, gray, medium, slight odor, wet	20
					TD = 20'	

Well Materials Used:

- 9 Sks 10-12 Silica Sand
- 1 Sks Bentonite Chips
- ___ Sks Class "A" Cement
- 2 Sks Quickcrete
- 5 Ft Blank Casing
- 15 Ft Screen

Well Development:

- ___ Bailed
- ___ Pumped
- ___ Gallons of Water

Remarks:

DRILLER: KELLY PADILLA
HELPER: Farrell Chee/Jerold Joe
DRILLING COMPANY: ENVIROTECH
DRILLING METHOD: HSA

BIT SIZE: 7 7/8
TOTAL BORING DEPTH: 20'
DATE STARTED: 11/17/04
SAMPLER TYPE: SS

LOCATION: Fed Comp 15 Unit A
ELEVATION:
DATE COMPLETED 11/17/04
GEOLOGIST: Jack Collins

Conoco Phillips
Fed Comp 15 Unit A
Farmington, New Mexico

REVISIONS
BY ___ DATE ___
BY ___ DATE ___

Project No. 96052-189

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615
BloGrdlog.dwg

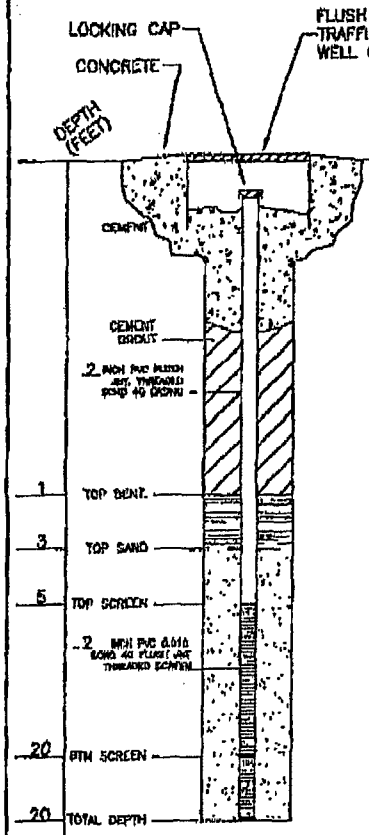
MW-2

DATE 11/23/04 DRAWN TCR
SCALE NONE APPROVED CJO

PAGE 1 OF 1

BELOW GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG

MW-3



TIME	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
				fill	
1015				hydro vac to 4', cobbles	5
1035	SS	0		sand, brown, medium, cobbles broken, no odor, wet	10
				water level	
	SS	0		sand, fine-medium, light brown, no odor, wet	15
				bottom of cobbles at 17.5'	
1110	SS	0		sand, light brown, fine-medium, wet, no odor	20
				TD = 20'	

Well Materials Used:

- 9 Sks 10-12 Silica Sand
- 1 Sks Bentonite Chips
- ___ Sks Class "A" Cement
- 2 Sks Quickcrete
- 5 Ft Blank Casing
- 15 Ft Screen

Well Development:

- ___ Bailed
- ___ Pumped
- ___ Gallons of Water

Remarks:

DRILLER: KELLY PADILLA
HELPER: Farrell Chee/Jerold Joe
DRILLING COMPANY: ENVIROTECH
DRILLING METHOD: HSA

BIT SIZE: 7 7/8
TOTAL BORING DEPTH: 20'
DATE STARTED: 11/22/04
SAMPLER TYPE: SS

LOCATION: Fed Comp 15 Unit A
ELEVATION:
DATE COMPLETED 11/22/04
GEOLOGIST: Tami Ross

Conoco Phillips
Fed Comp 15 Unit A
Farmington, New Mexico

REVISIONS
BY ___ DATE ___
BY ___ DATE ___

Project No. 96052-189

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615

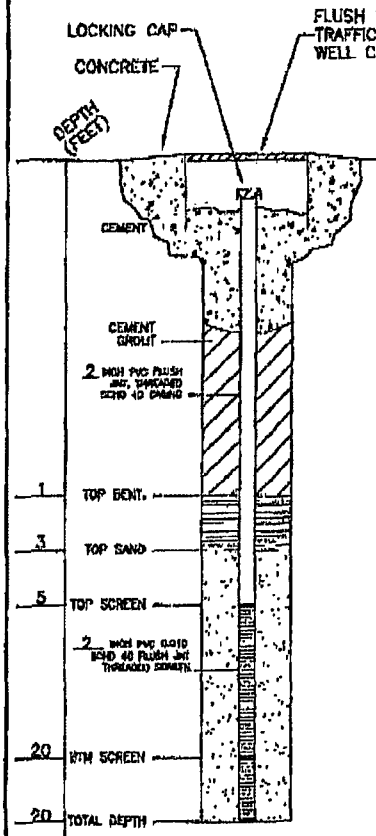
MW-3

DATE 11/23/04 DRAWN TCR
SCALE NONE APPROVED CJC

PAGE 1 OF 1

BELOW GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG

MW-4



DEPTH (FEET)	TIME	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
					Fill	
					hydro vac to 4', clay, brown, no odor	
	1300				clayey sand, brown, fine, no odor	5
					Cobbles at 5.5'	
	1310	SS	0		sand, medium, brown, wet, no odor, broken cobbles	10
					water level	
					few broken cobbles	
	1330	SS	0		sand, medium-coarse, brown-gray, wet, no odor	15
					bottom of cobbles at 17'	
	1350	SS	0		sand, medium, gray, wet, no odor	20
					TD = 20'	

Well Materials Used:

- 9 Sks 10-12 Silica Sand
- 1 Sks Bentonite Chips
- ___ Sks Class "A" Cement
- 2 Sks Quickcrete
- 5 Ft Blank Casing
- 15 Ft Screen

Well Development:

- _____ Bailed
- _____ Pumped
- _____ Gallons of Water

Remarks:

DRILLER: KELLY PADILLA
HELPER: Farrell Chee/Jerold Joe
DRILLING COMPANY: ENVIROTECH
DRILLING METHOD: HSA

BIT SIZE: 7 7/8
TOTAL BORING DEPTH: 20'
DATE STARTED: 11/22/04
SAMPLER TYPE: SS

LOCATION: Fed Comp 15 Unit A
ELEVATION: _____
DATE COMPLETED 11/22/04
GEOLOGIST: Tami Ross

Conoco Phillips
Fed Comp 15 Unit A
Farmington, New Mexico

REVISIONS
BY ___ DATE _____
BY ___ DATE _____

Project No. 96052-189

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615
BleCrnlog.dwg

MW-4

DATE 11/23/04 DRAWN TCR
SCALE NONE APPROVED CJC

PAGE 1 OF 1

PROJECT NAME: Federal #15
LOCATION: ConocoPhillips Federal #15

DRILLED BY: Spectrum
DATE: HOLE STARTED: 10/19/06
DATE: COMPLETED: 10/19/06

REMARKS: bgs = below ground surface
NA=Not Applicable, NS=No Sample
MW=Monitoring Well,
msl = mean sea level
TOC = Top of Casing

MONITORING WELL NO. MW-5
FIELD LOGGED BY: Kelly Henderson
ELEVATION: GROUND SURFACE (msl): Not Measured (ft)
GROUNDWATER (below TOC): 9.5 (ft)
DRILL TYPE: Hollow Stem Auger/Air Hammer

BORE HOLE DIAMETER: 8 (in)

WELL COMPLETION INFORMATION

Measuring Point Description: Top of Casing (TOC)
Measuring Point Elevation (feet): 5434.16 ft msl
Static Water Level (feet): 9.5
First Occurance of Groundwater (feet): 13

Well Development: Water Extraction Until Visibly Free of Sediment
Well Cap: expandable locking

Type of Casing: PVC
Casing Diameter: 2 inches
Slot Size: 0.010
Total Well Depth (feet bgs): 17.5

ELEVATION (msl) - ft	SAMPLE INTERVAL/ID #	COMPLETION DIAGRAM	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	ANALYTICAL	TIME	% RECOVERY	PID RESULT (ppm)	DEPTH (bgs) - ft
5430.0		CEMENT	Daylight with water pressure and vacuum truck; broken asphalt and concrete under approximately 3 inches of sand and gravel fill. Large chunks of asphalt and concrete	SC			1000			0
		BENTONITE SEAL	SAND, clayey, damp, brownish-gray with gravel	SC					0	5
5425.0		SAND PACK	SAND, clayey, large cobbles, brownish-gray, dry, hard	SC		6-10 feet bgs			0	10
		Static Groundwater Level 9.5 feet bgs				10-15 feet bgs			0	
5420.0		First occurance of groundwater 13 feet bgs	SAND, clayey, moist to wet, brown, fine-grained	SC					0	15
		2" screen from 7.5' to 17.5'	CLAY, sandy with some gravel, brown, wet	ML			1730			
5415.0		Threaded Bottom Cap								20

Boring Terminated at 20' bgs

Split Spoon Sample

1156690001	MAXIM TECHNOLOGIES INC	EXPLORATORY BORING LOG	MW-5

APPENDIX D

Groundwater Laboratory Analytical Reports

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Federal Com #15
WO# 6845MAX001

Lot #: D5A190333

Mr. Clyde Yancey

Maxim Technologies
10601 Lomas NE
Suite 106
Albuquerque, NM 87112

Severn Trent Laboratories

Donna Rydberg
Project Manager

January 27, 2005

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages

Standard Deliverables

*The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*

45

Case Narrative
D5A190333

The following report contains the analytical result for five samples and a Trip Blank submitted to STL Denver on January 19, 2005, according to documented sample acceptance procedures.

The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory at a temperature of 4.4°C. Sample containers were received in acceptable condition.

Method 8260B – GC/MS Volatiles

Samples D5A190333-003, -004 and -005 were analyzed at a dilution for Method 8260B to bring target compounds within the linear calibration range of the instrument. Reporting limits were raised accordingly.

No other anomalies were observed.

Method 8270C/PAH - GC/MS Semivolatiles

A MS/MSD were not requested and they could not be performed for Method 8270C due to insufficient sample volume. The associated LCS/LCSD and Method Blank were within control limits.

No other anomalies were observed.

Lot D5A190333 continued

General Chemistry – Method 300.0A Chloride

Sample D5A190333-001 was analyzed at a dilution due to high analyte concentrations. Reporting limits were raised accordingly.

The percent recoveries for chloride in the MS and MSD were estimated due to concentrations exceeding the instrument calibration range.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D5A190333

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 01/18/05 11:20 001				
Chloride	85 Q	15	mg/L	MCAWW 300.0A
MW-4 01/18/05 12:15 002				
Benzene	2.8	1.0	ug/L	SW846 8260B
Chloride	37	3.0	mg/L	MCAWW 300.0A
MW-3 01/18/05 12:50 003				
Benzene	190	5.0	ug/L	SW846 8260B
Chloride	34	3.0	mg/L	MCAWW 300.0A
MW-2 01/18/05 13:30 004				
2-Methylnaphthalene	72	10	ug/L	SW846 8270C
1-Methylnaphthalene	34	10	ug/L	SW846 8270C
Naphthalene	51	10	ug/L	SW846 8270C
Benzene	1200	67	ug/L	SW846 8260B
Ethylbenzene	380	67	ug/L	SW846 8260B
Toluene	3300	67	ug/L	SW846 8260B
Xylenes (total)	3500	130	ug/L	SW846 8260B
Chloride	41	3.0	mg/L	MCAWW 300.0A
DUPLICATE 01/18/05 13:45 005				
Benzene	1300	67	ug/L	SW846 8260B
Ethylbenzene	410	67	ug/L	SW846 8260B
Toluene	3700	67	ug/L	SW846 8260B
Xylenes (total)	3800	130	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

D5A190333

PARAMETER	ANALYTICAL METHOD
Chloride	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Volatile Organics by GC/MS	SW846 8260B

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

D5A190333

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	Andrita Scofield	004409
SW846 8260B	Dan Appelhans	001008
SW846 8260B	Joann Peterson	011674
SW846 8270C	Barbara Sullivan	001128

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

D5A190333

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G2WEN	001	MW-1	01/18/05	11:20
G2WE4	002	MW-4	01/18/05	12:15
G2WE5	003	MW-3	01/18/05	12:50
G2WE6	004	MW-2	01/18/05	13:30
G2WE7	005	DUPLICATE	01/18/05	13:45
G2WE8	006	TRIP BLANK	01/18/05	13:55

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.

ConocoPhillips

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...:	D5A190333-001	**Work Order #...:**	G2WEN1AA	**Matrix.....:**	WATER
Date Sampled...:	01/18/05 11:20	**Date Received..:**	01/19/05		
Prep Date.....:	01/25/05	**Analysis Date..:**	01/25/05		
Prep Batch #...:	5026272	**Analysis Time..:**	18:19		
Dilution Factor:	1				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 118)
1,2-Dichloroethane-d4	95	(62 - 128)
4-Bromofluorobenzene	88	(78 - 118)
Toluene-d8	108	(77 - 117)

ConocoPhillips

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: D5A190333-001 **Work Order #...:** G2WEN1AC **Matrix.....:** WATER
Date Sampled...: 01/18/05 11:20 **Date Received..:** 01/19/05
Prep Date.....: 01/19/05 **Analysis Date..:** 01/23/05
Prep Batch #...: 5019443 **Analysis Time..:** 16:55
Dilution Factor: 1

Method.....: SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(33 - 106)
Phenol-d5	82	(40 - 105)
Nitrobenzene-d5	79	(48 - 108)
2-Fluorobiphenyl	65	(39 - 93)
2,4,6-Tribromophenol	84	(31 - 122)
Terphenyl-d14	94	(20 - 123)

ConocoPhillips

Client Sample ID: MW-1

General Chemistry

Lot-Sample #...: D5A190333-001 Work Order #...: G2WEN Matrix.....: WATER
Date Sampled...: 01/18/05 11:20 Date Received..: 01/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	85 Q	15	mg/L	MCAWW 300.0A	01/24-01/25/05	5025235

Dilution Factor: 5 Analysis Time..: 00:06

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

ConocoPhillips

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: D5A190333-002 **Work Order #...:** G2WE41AA **Matrix.....:** WATER
Date Sampled...: 01/18/05 12:15 **Date Received..:** 01/19/05
Prep Date.....: 01/25/05 **Analysis Date..:** 01/25/05
Prep Batch #...: 5026272 **Analysis Time..:** 18:44
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**2.8**	**1.0**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 118)
1,2-Dichloroethane-d4	94	(62 - 128)
4-Bromofluorobenzene	88	(78 - 118)
Toluene-d8	103	(77 - 117)

ConocoPhillips

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: D5A190333-002 **Work Order #...:** G2WE41AC **Matrix.....:** WATER
Date Sampled...: 01/18/05 12:15 **Date Received..:** 01/19/05
Prep Date.....: 01/19/05 **Analysis Date..:** 01/23/05
Prep Batch #...: 5019443 **Analysis Time..:** 17:18
Dilution Factor: 1

Method.....: SW846 8270C

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(33 - 106)
Phenol-d5	76	(40 - 105)
Nitrobenzene-d5	73	(48 - 108)
2-Fluorobiphenyl	62	(39 - 93)
2,4,6-Tribromophenol	73	(31 - 122)
Terphenyl-d14	76	(20 - 123)

ConocoPhillips

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: D5A190333-002 Work Order #...: G2WE4 Matrix.....: WATER
Date Sampled...: 01/18/05 12:15 Date Received..: 01/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	37	3.0	mg/L	MCAWW 300.0A	01/24-01/25/05	5025235

Dilution Factor: 1 Analysis Time..: 01:12

ConocoPhillips

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: D5A190333-003 **Work Order #...:** G2WE51AA **Matrix.....:** WATER
Date Sampled...: 01/18/05 12:50 **Date Received..:** 01/19/05
Prep Date.....: 01/26/05 **Analysis Date..:** 01/26/05
Prep Batch #...: 5027118 **Analysis Time..:** 12:02
Dilution Factor: 5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**190**	**5.0**	**ug/L**
Ethylbenzene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Xylenes (total)	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 118)
1,2-Dichloroethane-d4	114	(62 - 128)
4-Bromofluorobenzene	97	(78 - 118)
Toluene-d8	101	(77 - 117)

ConocoPhillips

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...:	D5A190333-003	**Work Order #...:**	G2WE51AC	**Matrix.....:**	WATER
Date Sampled...:	01/18/05 12:50	**Date Received..:**	01/19/05		
Prep Date.....:	01/19/05	**Analysis Date..:**	01/23/05		
Prep Batch #...:	5019443	**Analysis Time..:**	17:41		
Dilution Factor:	1				
		Method.....:	SW846 8270C		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(33 - 106)
Phenol-d5	69	(40 - 105)
Nitrobenzene-d5	73	(48 - 108)
2-Fluorobiphenyl	58	(39 - 93)
2,4,6-Tribromophenol	60	(31 - 122)
Terphenyl-d14	74	(20 - 123)

ConocoPhillips

Client Sample ID: MW-3

General Chemistry

Lot-Sample #...: D5A190333-003 Work Order #...: G2WE5 Matrix.....: WATER
Date Sampled...: 01/18/05 12:50 Date Received..: 01/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	34	3.0	mg/L	MCAWW 300.0A	01/24-01/25/05	5025235

Dilution Factor: 1 Analysis Time..: 02:02

ConocoPhillips

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: D5A190333-004	**Work Order #...:** G2WE61AA	**Matrix.....:** WATER	
Date Sampled...: 01/18/05 13:30	**Date Received..:** 01/19/05		
Prep Date.....: 01/25/05	**Analysis Date..:** 01/25/05		
Prep Batch #...: 5026272	**Analysis Time..:** 19:35		
Dilution Factor: 66.67			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1200**	**67**	**ug/L**
Ethylbenzene	**380**	**67**	**ug/L**
Toluene	**3300**	**67**	**ug/L**
Xylenes (total)	**3500**	**130**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 118)
1,2-Dichloroethane-d4	90	(62 - 128)
4-Bromofluorobenzene	89	(78 - 118)
Toluene-d8	105	(77 - 117)

ConocoPhillips

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...:	D5A190333-004	**Work Order #...:**	G2WE61AC	**Matrix.....:**	WATER
Date Sampled...:	01/18/05 13:30	**Date Received..:**	01/19/05		
Prep Date.....:	01/19/05	**Analysis Date..:**	01/23/05		
Prep Batch #...:	5019443	**Analysis Time..:**	18:04		
Dilution Factor:	1				
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
2-Methylnaphthalene	**72**	**10**	**ug/L**
1-Methylnaphthalene	**34**	**10**	**ug/L**
Naphthalene	**51**	**10**	**ug/L**
Phenanthrene	ND	10	ug/L
Pyrene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	56	(33 - 106)
Phenol-d5	82	(40 - 105)
Nitrobenzene-d5	77	(48 - 108)
2-Fluorobiphenyl	74	(39 - 93)
2,4,6-Tribromophenol	85	(31 - 122)
Terphenyl-d14	76	(20 - 123)

ConocoPhillips

Client Sample ID: MW-2

General Chemistry

Lot-Sample #...: D5A190333-004 Work Order #...: G2WE6 Matrix.....: WATER
Date Sampled...: 01/18/05 13:30 Date Received..: 01/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	41	3.0	mg/L	MCAWW 300.0A	01/24-01/25/05	5025235

Dilution Factor: 1 Analysis Time..: 02:51

ConocoPhillips

Client Sample ID: DUPLICATE

GC/MS Volatiles

Lot-Sample #...:	D5A190333-005	**Work Order #...:**	G2WE71AA	**Matrix.....:**	WATER
Date Sampled...:	01/18/05 13:45	**Date Received..:**	01/19/05		
Prep Date.....:	01/25/05	**Analysis Date..:**	01/25/05		
Prep Batch #...:	5026272	**Analysis Time..:**	20:01		
Dilution Factor:	66.67				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1300**	**67**	**ug/L**
Ethylbenzene	**410**	**67**	**ug/L**
Toluene	**3700**	**67**	**ug/L**
Xylenes (total)	**3800**	**130**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 118)
1,2-Dichloroethane-d4	93	(62 - 128)
4-Bromofluorobenzene	90	(78 - 118)
Toluene-d8	98	(77 - 117)

ConocoPhillips

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D5A190333-006	**Work Order #...:** G2WE81AA	**Matrix.....:** WATER	
Date Sampled...: 01/18/05 13:55	**Date Received..:** 01/19/05		
Prep Date.....: 01/25/05	**Analysis Date..:** 01/25/05		
Prep Batch #...: 5026272	**Analysis Time..:** 20:27		
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 118)
1,2-Dichloroethane-d4	93	(62 - 128)
4-Bromofluorobenzene	89	(78 - 118)
Toluene-d8	102	(77 - 117)

QC DATA ASSOCIATION SUMMARY

D5A190333

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		5025235	5025153
	WATER	SW846 8260B		5026272	5026165
	WATER	SW846 8270C		5019443	
002	WATER	MCAWW 300.0A		5025235	5025153
	WATER	SW846 8260B		5026272	5026165
	WATER	SW846 8270C		5019443	
003	WATER	MCAWW 300.0A		5025235	5025153
	WATER	SW846 8260B		5027118	5027060
	WATER	SW846 8270C		5019443	
004	WATER	MCAWW 300.0A		5025235	5025153
	WATER	SW846 8260B		5026272	5026165
	WATER	SW846 8270C		5019443	
005	WATER	SW846 8260B		5026272	5026165
006	WATER	SW846 8260B		5026272	5026165

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G28K61AA **Matrix.....:** WATER
MB Lot-Sample #: D5A260000-272

Prep Date.....: 01/25/05 **Analysis Time..:** 13:30
Analysis Date..: 01/25/05 **Prep Batch #...:** 5026272
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 118)
1,2-Dichloroethane-d4	94	(62 - 128)
4-Bromofluorobenzene	91	(78 - 118)
Toluene-d8	104	(77 - 117)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G28K61AC **Matrix.....:** WATER
LCS Lot-Sample#: D5A260000-272
Prep Date.....: 01/25/05 **Analysis Date..:** 01/25/05
Prep Batch #...: 5026272 **Analysis Time..:** 13:58
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**113**	**(66 - 132)**	**SW846 8260B**
Chlorobenzene	**101**	**(78 - 118)**	**SW846 8260B**
Benzene	**113**	**(75 - 120)**	**SW846 8260B**
Trichloroethene	**102**	**(79 - 122)**	**SW846 8260B**
Toluene	**116**	**(78 - 118)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 118)
1,2-Dichloroethane-d4	92	(62 - 128)
4-Bromofluorobenzene	87	(78 - 118)
Toluene-d8	102	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G28K61AC **Matrix.....:** WATER
LCS Lot-Sample#: D5A260000-272
Prep Date.....: 01/25/05 **Analysis Date..:** 01/25/05
Prep Batch #...: 5026272 **Analysis Time..:** 13:58
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**11.3**	**ug/L**	**113**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Benzene	**10.0**	**11.3**	**ug/L**	**113**	**SW846 8260B**
Trichloroethene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Toluene	**10.0**	**11.6**	**ug/L**	**116**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 118)
1,2-Dichloroethane-d4	92	(62 - 128)
4-Bromofluorobenzene	87	(78 - 118)
Toluene-d8	102	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G22111A5-MS **Matrix.....:** WATER
MS Lot-Sample #: D5A210359-005 G22111A6-MSD
Date Sampled...: 01/20/05 09:05 **Date Received..:** 01/21/05
Prep Date.....: 01/25/05 **Analysis Date..:** 01/25/05
Prep Batch #...: 5026272 **Analysis Time..:** 14:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**110**	**(66 - 132)**			**SW846 8260B**
	111	**(66 - 132)**	**0.34**	**(0-26)**	**SW846 8260B**
Chlorobenzene	**104**	**(78 - 118)**			**SW846 8260B**
	105	**(78 - 118)**	**1.4**	**(0-20)**	**SW846 8260B**
Benzene	**106**	**(75 - 120)**			**SW846 8260B**
	111	**(75 - 120)**	**4.5**	**(0-21)**	**SW846 8260B**
Trichloroethene	**98**	**(79 - 122)**			**SW846 8260B**
	101	**(79 - 122)**	**3.4**	**(0-23)**	**SW846 8260B**
Toluene	**112**	**(78 - 118)**			**SW846 8260B**
	113	**(78 - 118)**	**0.43**	**(0-22)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 118)
	92	(73 - 118)
1,2-Dichloroethane-d4	88	(62 - 128)
	90	(62 - 128)
4-Bromofluorobenzene	89	(78 - 118)
	86	(78 - 118)
Toluene-d8	106	(77 - 117)
	103	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G22111A5-MS **Matrix.....:** WATER
MS Lot-Sample #: D5A210359-005 G22111A6-MSD
Date Sampled...: 01/20/05 09:05 **Date Received..:** 01/21/05
Prep Date.....: 01/25/05 **Analysis Date..:** 01/25/05
Prep Batch #...: 5026272 **Analysis Time..:** 14:57
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**11.0**	**ug/L**	**110**		**SW846 8260B**
	ND	**10.0**	**11.1**	**ug/L**	**111**	**0.34**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**1.4**	**SW846 8260B**
Benzene	**ND**	**10.0**	**10.8**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**11.3**	**ug/L**	**111**	**4.5**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.99**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**10.3**	**ug/L**	**101**	**3.4**	**SW846 8260B**
Toluene	**ND**	**10.0**	**11.5**	**ug/L**	**112**		**SW846 8260B**
	ND	**10.0**	**11.5**	**ug/L**	**113**	**0.43**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 118)
	92	(73 - 118)
1,2-Dichloroethane-d4	88	(62 - 128)
	90	(62 - 128)
4-Bromofluorobenzene	89	(78 - 118)
	86	(78 - 118)
Toluene-d8	106	(77 - 117)
	103	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G29071AA **Matrix.....:** WATER
MB Lot-Sample #: D5A270000-118

Prep Date.....: 01/26/05 **Analysis Time..:** 11:12
Analysis Date..: 01/26/05 **Prep Batch #...:** 5027118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 118)
1,2-Dichloroethane-d4	120	(62 - 128)
4-Bromofluorobenzene	104	(78 - 118)
Toluene-d8	107	(77 - 117)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G29071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5A270000-118 G29071AD-LCSD
Prep Date.....: 01/26/05 **Analysis Date..:** 01/26/05
Prep Batch #...: 5027118 **Analysis Time..:** 10:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(66 - 132)**			**SW846 8260B**
	97	**(66 - 132)**	**3.8**	**(0-26)**	**SW846 8260B**
Chlorobenzene	**97**	**(78 - 118)**			**SW846 8260B**
	99	**(78 - 118)**	**1.2**	**(0-20)**	**SW846 8260B**
Benzene	**102**	**(75 - 120)**			**SW846 8260B**
	100	**(75 - 120)**	**1.2**	**(0-21)**	**SW846 8260B**
Trichloroethene	**100**	**(79 - 122)**			**SW846 8260B**
	99	**(79 - 122)**	**0.97**	**(0-23)**	**SW846 8260B**
Toluene	**96**	**(78 - 118)**			**SW846 8260B**
	96	**(78 - 118)**	**0.060**	**(0-22)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 118)
	104	(73 - 118)
1,2-Dichloroethane-d4	115	(62 - 128)
	114	(62 - 128)
4-Bromofluorobenzene	100	(78 - 118)
	99	(78 - 118)
Toluene-d8	102	(77 - 117)
	102	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G29071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5A270000-118 G29071AD-LCSD
Prep Date.....: 01/26/05 **Analysis Date..:** 01/26/05
Prep Batch #...: 5027118 **Analysis Time..:** 10:25
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	10.0	**9.65**	**ug/L**	**97**	**3.8**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.75**	**ug/L**	**97**		**SW846 8260B**
	10.0	**9.86**	**ug/L**	**99**	**1.2**	**SW846 8260B**
Benzene	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	10.0	**10.0**	**ug/L**	**100**	**1.2**	**SW846 8260B**
Trichloroethene	**10.0**	**9.95**	**ug/L**	**100**		**SW846 8260B**
	10.0	**9.85**	**ug/L**	**99**	**0.97**	**SW846 8260B**
Toluene	**10.0**	**9.58**	**ug/L**	**96**		**SW846 8260B**
	10.0	**9.57**	**ug/L**	**96**	**0.060**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 118)
	104	(73 - 118)
1,2-Dichloroethane-d4	115	(62 - 128)
	114	(62 - 128)
4-Bromofluorobenzene	100	(78 - 118)
	99	(78 - 118)
Toluene-d8	102	(77 - 117)
	102	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G2WE51AE-MS **Matrix.....:** WATER
MS Lot-Sample #: D5A190333-003 G2WE51AF-MSD
Date Sampled...: 01/18/05 12:50 **Date Received..:** 01/19/05
Prep Date.....: 01/26/05 **Analysis Date..:** 01/26/05
Prep Batch #...: 5027118 **Analysis Time..:** 15:28
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(66 - 132)**			**SW846 8260B**
	101	**(66 - 132)**	**0.96**	**(0-26)**	**SW846 8260B**
Chlorobenzene	**104**	**(78 - 118)**			**SW846 8260B**
	108	**(78 - 118)**	**3.9**	**(0-20)**	**SW846 8260B**
Benzene	**104**	**(75 - 120)**			**SW846 8260B**
	114	**(75 - 120)**	**2.1**	**(0-21)**	**SW846 8260B**
Trichloroethene	**105**	**(79 - 122)**			**SW846 8260B**
	109	**(79 - 122)**	**4.2**	**(0-23)**	**SW846 8260B**
Toluene	**104**	**(78 - 118)**			**SW846 8260B**
	108	**(78 - 118)**	**3.0**	**(0-22)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 118)
	104	(73 - 118)
1,2-Dichloroethane-d4	114	(62 - 128)
	114	(62 - 128)
4-Bromofluorobenzene	97	(78 - 118)
	102	(78 - 118)
Toluene-d8	102	(77 - 117)
	103	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5A190333 **Work Order #...:** G2WE51AE-MS **Matrix.....:** WATER
MS Lot-Sample #: D5A190333-003 G2WE51AF-MSD
Date Sampled...: 01/18/05 12:50 **Date Received..:** 01/19/05
Prep Date.....: 01/26/05 **Analysis Date..:** 01/26/05
Prep Batch #...: 5027118 **Analysis Time..:** 15:28
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**50.1**	**ug/L**	**100**		**SW846 8260B**
	ND	**50.0**	**50.6**	**ug/L**	**101**	**0.96**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**52.1**	**ug/L**	**104**		**SW846 8260B**
	ND	**50.0**	**54.1**	**ug/L**	**108**	**3.9**	**SW846 8260B**
Benzene	**190**	**50.0**	**246**	**ug/L**	**104**		**SW846 8260B**
	190	**50.0**	**251**	**ug/L**	**114**	**2.1**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**52.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**50.0**	**54.7**	**ug/L**	**109**	**4.2**	**SW846 8260B**
Toluene	**ND**	**50.0**	**53.2**	**ug/L**	**104**		**SW846 8260B**
	ND	**50.0**	**54.8**	**ug/L**	**108**	**3.0**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 118)
	104	(73 - 118)
1,2-Dichloroethane-d4	114	(62 - 128)
	114	(62 - 128)
4-Bromofluorobenzene	97	(78 - 118)
	102	(78 - 118)
Toluene-d8	102	(77 - 117)
	103	(77 - 117)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D5A190333 **Work Order #...:** G2WK01AA **Matrix.....:** WATER
MB Lot-Sample #: D5A190000-443

Prep Date.....: 01/19/05 **Analysis Time..:** 14:37
Analysis Date..: 01/23/05 **Prep Batch #...:** 5019443
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(33 - 106)
Phenol-d5	83	(40 - 105)
Nitrobenzene-d5	81	(48 - 108)
2-Fluorobiphenyl	64	(39 - 93)
2,4,6-Tribromophenol	76	(31 - 122)
Terphenyl-d14	99	(20 - 123)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D5A190333 **Work Order #...:** G2WK01AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5A190000-443 G2WK01AD-LCSD
Prep Date.....: 01/19/05 **Analysis Date..:** 01/23/05
Prep Batch #...: 5019443 **Analysis Time..:** 15:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Chloro-3-methylphenol	72	(59 - 106)			SW846 8270C
	76	(59 - 106)	4.2	(0-28)	SW846 8270C
2-Chlorophenol	72	(59 - 103)			SW846 8270C
	76	(59 - 103)	5.5	(0-38)	SW846 8270C
Acenaphthene	69	(52 - 102)			SW846 8270C
	73	(52 - 102)	6.1	(0-28)	SW846 8270C
1,4-Dichlorobenzene	54	(43 - 91)			SW846 8270C
	55	(43 - 91)	1.7	(0-50)	SW846 8270C
2,4-Dinitrotoluene	72	(50 - 111)			SW846 8270C
	72	(50 - 111)	0.72	(0-30)	SW846 8270C
4-Nitrophenol	63	(38 - 116)			SW846 8270C
	64	(38 - 116)	2.0	(0-53)	SW846 8270C
N-Nitrosodi-n-propyl-amine	71	(51 - 99)			SW846 8270C
	75	(51 - 99)	6.1	(0-27)	SW846 8270C
Pentachlorophenol	61	(41 - 113)			SW846 8270C
	64	(41 - 113)	5.1	(0-50)	SW846 8270C
Phenol	72	(57 - 103)			SW846 8270C
	75	(57 - 103)	4.2	(0-36)	SW846 8270C
1,2,4-Trichloro-benzene	57	(42 - 94)			SW846 8270C
	60	(42 - 94)	6.2	(0-44)	SW846 8270C
Pyrene	87	(47 - 112)			SW846 8270C
	89	(47 - 112)	1.8	(0-33)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(55 - 95)
	76	(55 - 95)
Phenol-d5	77	(58 - 97)
	80	(58 - 97)
Nitrobenzene-d5	74	(55 - 100)
	78	(55 - 100)
2-Fluorobiphenyl	54	(40 - 93)
	52	(40 - 93)
2,4,6-Tribromophenol	72	(51 - 107)
	75	(51 - 107)
Terphenyl-d14	95	(49 - 111)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D5A190333 **Work Order #...:** G2WK01AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5A190000-443 G2WK01AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(49 - 111)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D5A190333 Work Order #...: G2WK01AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D5A190000-443 G2WK01AD-LCSD
Prep Date.....: 01/19/05 Analysis Date..: 01/23/05
Prep Batch #...: 5019443 Analysis Time..: 15:00
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4-Chloro-3-methylphenol	150	109	ug/L	72		SW846 8270C
	150	113	ug/L	76	4.2	SW846 8270C
2-Chlorophenol	150	108	ug/L	72		SW846 8270C
	150	114	ug/L	76	5.5	SW846 8270C
Acenaphthene	100	68.8	ug/L	69		SW846 8270C
	100	73.2	ug/L	73	6.1	SW846 8270C
1,4-Dichlorobenzene	100	54.4	ug/L	54		SW846 8270C
	100	55.4	ug/L	55	1.7	SW846 8270C
2,4-Dinitrotoluene	100	72.4	ug/L	72		SW846 8270C
	100	71.8	ug/L	72	0.72	SW846 8270C
4-Nitrophenol	150	94.3	ug/L	63		SW846 8270C
	150	96.2	ug/L	64	2.0	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	70.7	ug/L	71		SW846 8270C
	100	75.2	ug/L	75	6.1	SW846 8270C
Pentachlorophenol	150	91.1	ug/L	61		SW846 8270C
	150	95.9	ug/L	64	5.1	SW846 8270C
Phenol	150	108	ug/L	72		SW846 8270C
	150	113	ug/L	75	4.2	SW846 8270C
1,2,4-Trichloro-benzene	100	56.7	ug/L	57		SW846 8270C
	100	60.3	ug/L	60	6.2	SW846 8270C
Pyrene	100	87.1	ug/L	87		SW846 8270C
	100	88.7	ug/L	89	1.8	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(55 - 95)
	76	(55 - 95)
Phenol-d5	77	(58 - 97)
	80	(58 - 97)
Nitrobenzene-d5	74	(55 - 100)
	78	(55 - 100)
2-Fluorobiphenyl	54	(40 - 93)
	52	(40 - 93)
2,4,6-Tribromophenol	72	(51 - 107)
	75	(51 - 107)
Terphenyl-d14	95	(49 - 111)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D5A190333 **Work Order #...:** G2WK01AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5A190000-443 G2WK01AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(49 - 111)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D5A190333 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: G26QT1AA		MB Lot-Sample #:	D5A250000-235	
	ND	3.0	mg/L	MCAWW 300.0A	01/24/05	5025235
		Dilution Factor: 1				
		Analysis Time..: 15:51				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D5A190333 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	WO#:G26QT1AC-LCS/G26QT1AD-LCSD LCS Lot-Sample#: D5A250000-235						
	102	(90 - 110)			MCAWW 300.0A	01/24/05	5025235
	102	(90 - 110)	0.09	(0-10)	MCAWW 300.0A	01/24/05	5025235

Dilution Factor: 1 Analysis Time..: 15:18

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D5A190333 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:G26QT1AC-LCS/G26QT1AD-LCSD		LCS Lot-Sample#: D5A250000-235				
	20.0	20.5	mg/L	102		MCAWW 300.0A	01/24/05	5025235
	20.0	20.5	mg/L	102	0.09	MCAWW 300.0A	01/24/05	5025235

Dilution Factor: 1 Analysis Time..: 15:18

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5A190333 **Matrix.....:** WATER
Date Sampled...: 01/17/05 06:00 **Date Received..:** 01/17/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: G2P9G1CH-MS/G2P9G1CJ-MSD				MS Lot-Sample #: D5A170175-001	
	104 I	(80 - 120)			MCAWW 300.0A	01/24/05	5025235
	104 I	(80 - 120)	0.29	(0-20)	MCAWW 300.0A	01/24/05	5025235
		Dilution Factor: 1					
		Analysis Time..: 19:26					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5A190333 **Matrix.....:** WATER
Date Sampled...: 01/17/05 06:00 **Date Received..:** 01/17/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: G2P9G1CH-MS/G2P9G1CJ-MSD				MS Lot-Sample #: D5A170175-001		
	1500	1250	2820 I	mg/L	104		MCAWW 300.0A	01/24/05	5025235
	1500	1250	2830 I	mg/L	104	0.29	MCAWW 300.0A	01/24/05	5025235
			Dilution Factor: 1						
			Analysis Time..: 19:26						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: Maxim Technologies	Project Manager: Clyde Yancey	Date: 1-18-05	Chain of Custody Number: 316571
Address: 10601 Lomas NE, Suite 106	Telephone Number (Area Code)/Fax Number: (505) 237-8440 / 8656	Lab Number:	Page 1 of 1
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Kelly Henderson	Lab Contact: Donna Rydberg	
Project Name and Location (State):	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: BTEX 8260	PAHs	Chloride	Special Instructions/ Conditions of Receipt
MW-1	1-18-05	11:20		X									X	X	X	
MW-4	1-18-05	12:15		X									X	X	X	
MW-3	1-18-05	12:50		X									X	X	X	
MW-2	1-18-05	13:30		X									X	X	X	
Duplicate	1-18-05	13:45		X									X			
Trip Blank	1-18-05	13:55		X									X			

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Kelly C Henderson	1-18-05	16:06	1. Received By:	1/19/05	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL Denver

Sample Receiving Checklist

Lot #: DSA190333 Date/Time Received: 11/9/05 0930

Company Name & Sampling Site: MAXIM TECHNOLOGIES

PM to Complete This Section: *Yes* ☐ *No* ☒ *Yes* ☐ *No* ☒

Residual chlorine check required: ☐ Quarantined: ☐

Quote #: 24203

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 4.9

N/A	Yes	No		Initials
☐	☑	☐	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	☑	☐	2. Chain of custody present? If no, document on CUR.	
	☐	☑	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	☐	☑	4. Multiphasic samples obvious? If yes, document on CUR.	
	☑	☐	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
☑	☐	☐	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☑	☐	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☑	☐	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☐	☑	☐	9. Were VOA samples without headspace? If no, document on CUR.	
☐	☑	☐	10. Were VOA vials preserved? Preservative ☐HCl ☐4±2°C ☐Sodium Thiosulfate ☐ Ascorbic Acid	
	☐	☑	11. Did samples require preservation with sodium thiosulfate?	
☑	☐	☐	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☑	☐	☐	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☑	☐	☐	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☐	☑	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	☐	☑	16. Are analyses with short holding times requested?	
	☐	☑	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # DSA190333

Login Checks:

N/A	Yes	No		Initials
	☑	☐	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	DS
☑	☐	☐	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☑	☐	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
☑	☐	☐	21. Were special log in instructions read and followed?	
☑	☐	☐	22. Were AFCEE metals logged for refrigerated storage?	
	☑	☐	23. Were tests logged checked against the COC? Which samples were confirmed? 001 006	
☑	☐	☐	24. Was a Rush form completed for quick TAT?	
☑	☐	☐	25. Was a Short Hold form completed for any short holds?	
	☐	☑	26. Is "Strict ICOC" required?	
	☐	☑	27. Were special archiving instructions indicated in the General Comments? If so, what were they?	

Labeling and Storage Checks:

				Initials
☑	☐	☐	28. Was the subcontract COC signed and sent with samples to bottle prep?	AB
	☑	☐	29. Were sample labels double-checked by a second person?	
☑	☐	☐	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	☑	☐	31. Did the sample ID, Date, and Time from label match what was logged?	
☑	☐	☐	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
☑	☐	☐	33. Were AFCEE metals stored refrigerated?	
☑	☐	☐	34. Were "Strict ICOC" copies given to satellite storage areas?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

AMENDED ANALYTICAL REPORT

Federal Com #15

WO# 6845MAX005

Lot #: D5J210459

Ms. Kelly Henderson

Maxim Technologies
10601 Lomas NE
Suite 106
Albuquerque, NM 87112

Severn Trent Laboratories

Donna Rydberg
Project Manager

November 7, 2005

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Case Narrative
D5J210459

The following report contains the analytical result for six samples and a Trip Blank submitted to STL Denver on October 21, 2005, according to documented sample acceptance procedures.

The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

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The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory at temperatures of 2.8°C and 4.7°C. Sample containers were received in acceptable condition.

Method 8260B – GC/MS Volatiles

Samples D5J210459-003 and –006 were analyzed at a dilution to bring target compounds within the linear calibration range of the instrument. Reporting limits were raised accordingly.

No other anomalies were observed.

Method 8270C/PAH - GC/MS Semivolatiles

A MS/MSD was not requested and they could not be performed due to insufficient sample volume. The associated LCS and Method Blank are in control. Data was accepted.

No other anomalies were observed.

General Chemistry

Each sample was analyzed at the lowest dilution possible. In some cases, due to interference or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Samples analyzed at a dilution due to high analyte content are flagged "Q".

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D5J210459

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-5 10/20/05 11:00 001				
Chloride	73 Q	15	mg/L	SW846 9056
MW-1 10/19/05 11:00 002				
Chloride	39	3.0	mg/L	SW846 9056
MW-2 10/19/05 12:45 003				
2-Methylnaphthalene	18	10	ug/L	SW846 8270C
1-Methylnaphthalene	11	10	ug/L	SW846 8270C
Naphthalene	15	10	ug/L	SW846 8270C
Benzene	1100	40	ug/L	SW846 8260B
Ethylbenzene	160	40	ug/L	SW846 8260B
Toluene	410	40	ug/L	SW846 8260B
Xylenes (total)	570	80	ug/L	SW846 8260B
Chloride	60 Q	15	mg/L	SW846 9056
MW-3 10/19/05 11:30 004				
Chloride	42	3.0	mg/L	SW846 9056
MW-4 10/19/05 12:00 005				
Benzene	23	1.0	ug/L	SW846 8260B
Toluene	2.2	1.0	ug/L	SW846 8260B
Xylenes (total)	4.3	2.0	ug/L	SW846 8260B
Chloride	51 Q	15	mg/L	SW846 9056
DUPLICATE 10/19/05 13:00 006				
Benzene	1100	40	ug/L	SW846 8260B
Ethylbenzene	150	40	ug/L	SW846 8260B
Toluene	500	40	ug/L	SW846 8260B
Xylenes (total)	610	80	ug/L	SW846 8260B

METHODS SUMMARY

D5J210459

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	SW846 9056	SW846 9056
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

METHOD / ANALYST SUMMARY

D5J210459

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 8260B	Daniel Kiekel	011370
SW846 8270C	Mike G. Hoffman	001880
SW846 9056	Andrita Scofield	004409

References:

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

SAMPLE SUMMARY

D5J210459

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HNDKA	001	MW-5	10/20/05	11:00
HNG9C	002	MW-1	10/19/05	11:00
HNG9D	003	MW-2	10/19/05	12:45
HNG9E	004	MW-3	10/19/05	11:30
HNG9F	005	MW-4	10/19/05	12:00
HNG9G	006	DUPLICATE	10/19/05	13:00
HNG9H	007	TRIP BLANK	10/19/05	12:30

NOTE(S):

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

Maxim Technologies, Inc.

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...: D5J210459-001 **Work Order #...:** HNDKA1AA **Matrix.....:** WATER
Date Sampled...: 10/20/05 11:00 **Date Received..:** 10/21/05
Prep Date.....: 10/31/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305650 **Analysis Time..:** 00:50
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.16
Toluene	ND	1.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
1,2-Dichloroethane-d4	103	(65 - 126)
4-Bromofluorobenzene	101	(75 - 115)
Toluene-d8	100	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: D5J210459-002 **Work Order #...:** HNG9C1AA **Matrix.....:** WATER
Date Sampled...: 10/19/05 11:00 **Date Received..:** 10/21/05
Prep Date.....: 10/31/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305650 **Analysis Time..:** 01:10
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.16
Toluene	ND	1.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(79 - 119)
1,2-Dichloroethane-d4	99	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
Toluene-d8	101	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: D5J210459-003 Work Order #...: HNG9D1AA Matrix.....: WATER
Date Sampled...: 10/19/05 12:45 Date Received..: 10/21/05
Prep Date.....: 11/01/05 Analysis Date..: 11/01/05
Prep Batch #...: 5305659 Analysis Time..: 19:19
Dilution Factor: 40

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	1100	40	ug/L	6.4
Ethylbenzene	160	40	ug/L	6.4
Toluene	410	40	ug/L	6.8
Xylenes (total)	570	80	ug/L	7.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(79 - 119)
1,2-Dichloroethane-d4	98	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
Toluene-d8	107	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: D5J210459-004 **Work Order #...:** HNG9E1AA **Matrix.....:** WATER
Date Sampled...: 10/19/05 11:30 **Date Received..:** 10/21/05
Prep Date.....: 10/31/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305650 **Analysis Time..:** 01:51
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.16
Toluene	ND	1.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(79 - 119)
1,2-Dichloroethane-d4	108	(65 - 126)
4-Bromofluorobenzene	112	(75 - 115)
Toluene-d8	109	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...:	D5J210459-005	**Work Order #...:**	HNG9F1AA	**Matrix.....:**	WATER
Date Sampled...:	10/19/05 12:00	**Date Received..:**	10/21/05		
Prep Date.....:	10/31/05	**Analysis Date..:**	11/01/05		
Prep Batch #...:	5305650	**Analysis Time..:**	02:12		
Dilution Factor:	1				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**23**	**1.0**	**ug/L**	**0.16**
Ethylbenzene	*ND*	1.0	ug/L	0.16
Toluene	**2.2**	**1.0**	**ug/L**	**0.17**
Xylenes (total)	**4.3**	**2.0**	**ug/L**	**0.19**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 119)
1,2-Dichloroethane-d4	102	(65 - 126)
4-Bromofluorobenzene	110	(75 - 115)
Toluene-d8	110	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: DUPLICATE

GC/MS Volatiles

Lot-Sample #...: D5J210459-006 Work Order #...: HNG9G1AA Matrix.....: WATER
Date Sampled...: 10/19/05 13:00 Date Received..: 10/21/05
Prep Date.....: 11/01/05 Analysis Date..: 11/01/05
Prep Batch #...: 5305659 Analysis Time..: 19:39
Dilution Factor: 40
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	1100	40	ug/L	6.4
Ethylbenzene	150	40	ug/L	6.4
Toluene	500	40	ug/L	6.8
Xylenes (total)	610	80	ug/L	7.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
Toluene-d8	107	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D5J210459-007 **Work Order #...:** HNG9H1AA **Matrix.....:** WATER
Date Sampled...: 10/19/05 12:30 **Date Received..:** 10/21/05
Prep Date.....: 11/01/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305659 **Analysis Time..:** 19:59
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.16
Toluene	ND	1.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(79 - 119)
1,2-Dichloroethane-d4	102	(65 - 126)
4-Bromofluorobenzene	89	(75 - 115)
Toluene-d8	105	(78 - 118)

Maxim Technologies, Inc.

Client Sample ID: MW-5

GC/MS Semivolatiles

Lot-Sample #...: D5J210459-001 **Work Order #...:** HNDKA1AC **Matrix.....:** WATER
Date Sampled...: 10/20/05 11:00 **Date Received..:** 10/21/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5298620 **Analysis Time..:** 17:10
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Anthracene	ND	10	ug/L	1.9
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	1.4
Benzo(k)fluoranthene	ND	10	ug/L	2.1
Benzo(ghi)perylene	ND	10	ug/L	2.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Chrysene	ND	10	ug/L	2.0
Fluoranthene	ND	10	ug/L	1.8
Fluorene	ND	10	ug/L	1.7
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
2-Methylnaphthalene	ND	10	ug/L	1.6
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	1.5
Phenanthrene	ND	10	ug/L	2.0
Pyrene	ND	10	ug/L	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(45 - 92)
Phenol-d5	72	(49 - 98)
Nitrobenzene-d5	70	(50 - 99)
2-Fluorobiphenyl	61	(43 - 91)
2,4,6-Tribromophenol	71	(48 - 113)
Terphenyl-d14	77	(10 - 150)

Maxim Technologies, Inc.

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: D5J210459-002 **Work Order #...:** HNG9C1AC **Matrix.....:** WATER
Date Sampled...: 10/19/05 11:00 **Date Received..:** 10/21/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5298620 **Analysis Time..:** 17:30
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Anthracene	ND	10	ug/L	1.9
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	1.4
Benzo(k)fluoranthene	ND	10	ug/L	2.1
Benzo(ghi)perylene	ND	10	ug/L	2.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Chrysene	ND	10	ug/L	2.0
Fluoranthene	ND	10	ug/L	1.8
Fluorene	ND	10	ug/L	1.7
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
2-Methylnaphthalene	ND	10	ug/L	1.6
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	1.5
Phenanthrene	ND	10	ug/L	2.0
Pyrene	ND	10	ug/L	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(45 - 92)
Phenol-d5	78	(49 - 98)
Nitrobenzene-d5	76	(50 - 99)
2-Fluorobiphenyl	66	(43 - 91)
2,4,6-Tribromophenol	78	(48 - 113)
Terphenyl-d14	81	(10 - 150)

Maxim Technologies, Inc.

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...: D5J210459-003 **Work Order #...:** HNG9D1AC **Matrix.....:** WATER
Date Sampled...: 10/19/05 12:45 **Date Received..:** 10/21/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5298620 **Analysis Time..:** 17:50
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Anthracene	ND	10	ug/L	1.9
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	1.4
Benzo(k)fluoranthene	ND	10	ug/L	2.1
Benzo(ghi)perylene	ND	10	ug/L	2.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Chrysene	ND	10	ug/L	2.0
Fluoranthene	ND	10	ug/L	1.8
Fluorene	ND	10	ug/L	1.7
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
2-Methylnaphthalene	**18**	**10**	**ug/L**	**1.6**
1-Methylnaphthalene	**11**	**10**	**ug/L**	**1.7**
Naphthalene	**15**	**10**	**ug/L**	**1.5**
Phenanthrene	ND	10	ug/L	2.0
Pyrene	ND	10	ug/L	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(45 - 92)
Phenol-d5	84	(49 - 98)
Nitrobenzene-d5	81	(50 - 99)
2-Fluorobiphenyl	67	(43 - 91)
2,4,6-Tribromophenol	81	(48 - 113)
Terphenyl-d14	75	(10 - 150)

Maxim Technologies, Inc.

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: D5J210459-004 **Work Order #...:** HNG9E1AC **Matrix.....:** WATER
Date Sampled...: 10/19/05 11:30 **Date Received..:** 10/21/05
Prep Date.....: 10/25/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5298620 **Analysis Time..:** 18:09
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Anthracene	ND	10	ug/L	1.9
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	1.4
Benzo(k)fluoranthene	ND	10	ug/L	2.1
Benzo(ghi)perylene	ND	10	ug/L	2.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Chrysene	ND	10	ug/L	2.0
Fluoranthene	ND	10	ug/L	1.8
Fluorene	ND	10	ug/L	1.7
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
2-Methylnaphthalene	ND	10	ug/L	1.6
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	1.5
Phenanthrene	ND	10	ug/L	2.0
Pyrene	ND	10	ug/L	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(45 - 92)
Phenol-d5	76	(49 - 98)
Nitrobenzene-d5	76	(50 - 99)
2-Fluorobiphenyl	63	(43 - 91)
2,4,6-Tribromophenol	72	(48 - 113)
Terphenyl-d14	80	(10 - 150)

Maxim Technologies, Inc.

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: D5J210459-005 Work Order #...: HNG9F1AC Matrix.....: WATER
Date Sampled...: 10/19/05 12:00 Date Received..: 10/21/05
Prep Date.....: 10/25/05 Analysis Date..: 10/28/05
Prep Batch #...: 5298620 Analysis Time..: 18:29
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Anthracene	ND	10	ug/L	1.9
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	1.4
Benzo(k)fluoranthene	ND	10	ug/L	2.1
Benzo(ghi)perylene	ND	10	ug/L	2.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Chrysene	ND	10	ug/L	2.0
Fluoranthene	ND	10	ug/L	1.8
Fluorene	ND	10	ug/L	1.7
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
2-Methylnaphthalene	ND	10	ug/L	1.6
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	1.5
Phenanthrene	ND	10	ug/L	2.0
Pyrene	ND	10	ug/L	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(45 - 92)
Phenol-d5	72	(49 - 98)
Nitrobenzene-d5	73	(50 - 99)
2-Fluorobiphenyl	60	(43 - 91)
2,4,6-Tribromophenol	70	(48 - 113)
Terphenyl-d14	76	(10 - 150)

Maxim Technologies, Inc.

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: D5J210459-001 **Work Order #...:** HNDKA **Matrix.....:** WATER
Date Sampled...: 10/20/05 11:00 **Date Received..:** 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	73 Q	15	mg/L	SW846 9056	10/28-10/29/05	5302100

Dilution Factor: 5 Analysis Time..: 12:09 MDL.....: 0.50

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Maxim Technologies, Inc.

Client Sample ID: MW-1

General Chemistry

Lot-Sample #...: D5J210459-002 **Work Order #...:** HNG9C **Matrix.....:** WATER
Date Sampled...: 10/19/05 11:00 **Date Received..:** 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	39	3.0	mg/L	SW846 9056	10/28/05	5302100

Dilution Factor: 1 Analysis Time..: 22:27 MDL.....: 0.10

Maxim Technologies, Inc.

Client Sample ID: MW-2

General Chemistry

Lot-Sample #...: D5J210459-003 **Work Order #...:** HNG9D **Matrix.....:** WATER
Date Sampled...: 10/19/05 12:45 **Date Received..:** 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	60 Q	15	mg/L	SW846 9056	10/28/05	5302100

Dilution Factor: 5 Analysis Time..: 23:29 MDL.....: 0.50

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Maxim Technologies, Inc.

Client Sample ID: MW-3

General Chemistry

Lot-Sample #...: D5J210459-004 Work Order #...: HNG9E Matrix.....: WATER
Date Sampled...: 10/19/05 11:30 Date Received..: 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	42	3.0	mg/L	SW846 9056	10/28-10/29/05	5302100

Dilution Factor: 1 Analysis Time..: 00:30 MDL.....: 0.10

Maxim Technologies, Inc.

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: D5J210459-005 Work Order #...: HNG9F Matrix.....: WATER
Date Sampled...: 10/19/05 12:00 Date Received..: 10/21/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	51 Q	15	mg/L	SW846 9056	10/28-10/29/05	5302100

Dilution Factor: 5 Analysis Time..: 01:31 MDL.....: 0.50

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

D5J210459

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 9056		5302100	5302060
	WATER	SW846 8260B		5305650	5305348
	WATER	SW846 8270C		5298620	
002	WATER	SW846 9056		5302100	5302060
	WATER	SW846 8260B		5305650	5305348
	WATER	SW846 8270C		5298620	
003	WATER	SW846 9056		5302100	5302060
	WATER	SW846 8260B		5305659	5306460
	WATER	SW846 8270C		5298620	
004	WATER	SW846 9056		5302100	5302060
	WATER	SW846 8260B		5305650	5305348
	WATER	SW846 8270C		5298620	
005	WATER	SW846 9056		5302100	5302060
	WATER	SW846 8260B		5305650	5305348
	WATER	SW846 8270C		5298620	
006	WATER	SW846 8260B		5305659	5306460
007	WATER	SW846 8260B		5305659	5306460

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HN5M71AA **Matrix.....:** WATER
MB Lot-Sample #: D5K010000-650

Prep Date.....: 10/31/05 **Analysis Time..:** 18:58
Analysis Date..: 10/31/05 **Prep Batch #...:** 5305650
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
4-Bromofluorobenzene	100	(75 - 115)
Toluene-d8	100	(78 - 118)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HN5M71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5K010000-650 HN5M71AD-LCSD
Prep Date.....: 10/31/05 **Analysis Date..:** 10/31/05
Prep Batch #...: 5305650 **Analysis Time..:** 18:17
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**88**	**(68 - 133)**			**SW846 8260B**
	94	**(68 - 133)**	**6.1**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**89**	**(78 - 118)**			**SW846 8260B**
	94	**(78 - 118)**	**4.9**	**(0-20)**	**SW846 8260B**
Trichloroethene	**92**	**(78 - 122)**			**SW846 8260B**
	97	**(78 - 122)**	**5.2**	**(0-20)**	**SW846 8260B**
Benzene	**93**	**(77 - 118)**			**SW846 8260B**
	96	**(77 - 118)**	**3.9**	**(0-20)**	**SW846 8260B**
Toluene	**89**	**(73 - 120)**			**SW846 8260B**
	94	**(73 - 120)**	**5.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(79 - 119)
	96	(79 - 119)
1,2-Dichloroethane-d4	91	(65 - 126)
	96	(65 - 126)
4-Bromofluorobenzene	97	(75 - 115)
	101	(75 - 115)
Toluene-d8	101	(78 - 113)
	100	(78 - 113)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HN5M71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5K010000-650 HN5M71AD-LCSD
Prep Date.....: 10/31/05 **Analysis Date..:** 10/31/05
Prep Batch #...: 5305650 **Analysis Time..:** 18:17
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.84**	**ug/L**	**88**		**SW846 8260B**
	10.0	**9.40**	**ug/L**	**94**	**6.1**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.92**	**ug/L**	**89**		**SW846 8260B**
	10.0	**9.37**	**ug/L**	**94**	**4.9**	**SW846 8260B**
Trichloroethene	**10.0**	**9.25**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.75**	**ug/L**	**97**	**5.2**	**SW846 8260B**
Benzene	**10.0**	**9.27**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.64**	**ug/L**	**96**	**3.9**	**SW846 8260B**
Toluene	**10.0**	**8.85**	**ug/L**	**89**		**SW846 8260B**
	10.0	**9.38**	**ug/L**	**94**	**5.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(79 - 119)
	96	(79 - 119)
1,2-Dichloroethane-d4	91	(65 - 126)
	96	(65 - 126)
4-Bromofluorobenzene	97	(75 - 115)
	101	(75 - 115)
Toluene-d8	101	(78 - 118)
	100	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HNC4Q1AV-MS **Matrix.....:** WATER
MS Lot-Sample #: D5J210377-004 HNC4Q1AW-MSD
Date Sampled...: 10/19/05 10:55 **Date Received..:** 10/21/05
Prep Date.....: 10/31/05 **Analysis Date..:** 10/31/05
Prep Batch #...: 5305650 **Analysis Time..:** 19:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**95**	**(68 - 133)**			**SW846 8260B**
	98	**(68 - 133)**	**3.5**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**95**	**(78 - 118)**			**SW846 8260B**
	96	**(78 - 118)**	**0.60**	**(0-20)**	**SW846 8260B**
Trichloroethene	**97**	**(78 - 122)**			**SW846 8260B**
	102	**(78 - 122)**	**4.6**	**(0-20)**	**SW846 8260B**
Benzene	**94**	**(77 - 118)**			**SW846 8260B**
	101	**(77 - 118)**	**7.7**	**(0-20)**	**SW846 8260B**
Toluene	**101**	**(73 - 120)**			**SW846 8260B**
	98	**(73 - 120)**	**2.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	91	(65 - 126)
	94	(65 - 126)
4-Bromofluorobenzene	103	(75 - 115)
	101	(75 - 115)
Toluene-d8	105	(78 - 118)
	103	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HNC4Q1AV-MS **Matrix.....:** WATER
MS Lot-Sample #: D5J210377-004 HNC4Q1AW-MSD
Date Sampled...: 10/19/05 10:55 **Date Received..:** 10/21/05
Prep Date.....: 10/31/05 **Analysis Date..:** 10/31/05
Prep Batch #...: 5305650 **Analysis Time..:** 19:40
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	9.80	ug/L	98	3.5	SW846 8260B
Chlorobenzene	ND	10.0	9.53	ug/L	95		SW846 8260B
	ND	10.0	9.59	ug/L	96	0.60	SW846 8260B
Trichloroethene	ND	10.0	9.70	ug/L	97		SW846 8260B
	ND	10.0	10.2	ug/L	102	4.6	SW846 8260B
Benzene	ND	10.0	9.35	ug/L	94		SW846 8260B
	ND	10.0	10.1	ug/L	101	7.7	SW846 8260B
Toluene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.85	ug/L	98	2.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	91	(65 - 126)
	94	(65 - 126)
4-Bromofluorobenzene	103	(75 - 115)
	101	(75 - 115)
Toluene-d8	105	(78 - 118)
	103	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HN85L1AA **Matrix.....:** WATER
MB Lot-Sample #: D5K010000-659

Prep Date.....: 11/01/05 **Analysis Time..:** 16:54
Analysis Date..: 11/01/05 **Prep Batch #...:** 5305659
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(79 - 119)
1,2-Dichloroethane-d4	105	(65 - 126)
4-Bromofluorobenzene	90	(75 - 115)
Toluene-d8	106	(78 - 118)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HN85L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5K010000-659 HN85L1AD-LCSD
Prep Date.....: 11/01/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305659 **Analysis Time..:** 16:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**92**	**(68 - 133)**			**SW846 8260B**
	97	**(68 - 133)**	**5.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**92**	**(78 - 118)**			**SW846 8260B**
	99	**(78 - 118)**	**6.9**	**(0-20)**	**SW846 8260B**
Trichloroethene	**83**	**(78 - 122)**			**SW846 8260B**
	88	**(78 - 122)**	**5.4**	**(0-20)**	**SW846 8260B**
Benzene	**94**	**(77 - 118)**			**SW846 8260B**
	100	**(77 - 118)**	**6.0**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(73 - 120)**			**SW846 8260B**
	103	**(73 - 120)**	**6.0**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
	94	(79 - 119)
1,2-Dichloroethane-d4	100	(65 - 126)
	103	(65 - 126)
4-Bromofluorobenzene	88	(75 - 115)
	89	(75 - 115)
Toluene-d8	104	(78 - 118)
	105	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HN85L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D5K010000-659 HN85L1AD-LCSD
Prep Date.....: 11/01/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305659 **Analysis Time..:** 16:13
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**9.19**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.72**	**ug/L**	**97**	**5.6**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.23**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.89**	**ug/L**	**99**	**6.9**	**SW846 8260B**
Trichloroethene	**10.0**	**8.29**	**ug/L**	**83**		**SW846 8260B**
	10.0	**8.75**	**ug/L**	**88**	**5.4**	**SW846 8260B**
Benzene	**10.0**	**9.37**	**ug/L**	**94**		**SW846 8260B**
	10.0	**9.95**	**ug/L**	**100**	**6.0**	**SW846 8260B**
Toluene	**10.0**	**9.70**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.3**	**ug/L**	**103**	**6.0**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
	94	(79 - 119)
1,2-Dichloroethane-d4	100	(65 - 126)
	103	(65 - 126)
4-Bromofluorobenzene	88	(75 - 115)
	89	(75 - 115)
Toluene-d8	104	(78 - 118)
	105	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	D5J210459	**Work Order #...:**	HNKEX1AG-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	D5J250300-001		HNKEX1AH-MSD		
Date Sampled...:	10/19/05 09:00	**Date Received..:**	10/25/05		
Prep Date.....:	11/01/05	**Analysis Date..:**	11/01/05		
Prep Batch #...:	5305659	**Analysis Time..:**	21:41		
Dilution Factor:	1				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**88**	**(68 - 133)**			**SW846 8260B**
	86	**(68 - 133)**	**1.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**89**	**(78 - 118)**			**SW846 8260B**
	94	**(78 - 118)**	**5.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**81**	**(78 - 122)**			**SW846 8260B**
	84	**(78 - 122)**	**3.4**	**(0-20)**	**SW846 8260B**
Benzene	**91**	**(77 - 118)**			**SW846 8260B**
	96	**(77 - 118)**	**5.3**	**(0-20)**	**SW846 8260B**
Toluene	**92**	**(73 - 120)**			**SW846 8260B**
	101	**(73 - 120)**	**9.0**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
	92	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
	96	(65 - 126)
4-Bromofluorobenzene	90	(75 - 115)
	88	(75 - 115)
Toluene-d8	100	(78 - 118)
	103	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D5J210459 **Work Order #...:** HNKEX1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D5J250300-001 HNKEX1AH-MSD
Date Sampled...: 10/19/05 09:00 **Date Received..:** 10/25/05
Prep Date.....: 11/01/05 **Analysis Date..:** 11/01/05
Prep Batch #...: 5305659 **Analysis Time..:** 21:41
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**8.78**	**ug/L**	**88**		**SW846 8260B**
	ND	**10.0**	**8.64**	**ug/L**	**86**	**1.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**8.95**	**ug/L**	**89**		**SW846 8260B**
	ND	**10.0**	**9.40**	**ug/L**	**94**	**5.0**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**8.15**	**ug/L**	**81**		**SW846 8260B**
	ND	**10.0**	**8.43**	**ug/L**	**84**	**3.4**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.13**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**9.63**	**ug/L**	**96**	**5.3**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.53**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**10.4**	**ug/L**	**101**	**9.0**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
	92	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
	96	(65 - 126)
4-Bromofluorobenzene	90	(75 - 115)
	88	(75 - 115)
Toluene-d8	100	(78 - 118)
	103	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210459 **Work Order #...:** HNK091AA **Matrix.....:** WATER
MB Lot-Sample #: D5J250000-620

Prep Date.....: 10/25/05 **Analysis Time..:** 16:07
Analysis Date..: 10/28/05 **Prep Batch #...:** 5298620
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(45 - 92)
Phenol-d5	81	(49 - 98)
Nitrobenzene-d5	79	(50 - 99)
2-Fluorobiphenyl	66	(43 - 91)
2,4,6-Tribromophenol	72	(48 - 113)
Terphenyl-d14	77	(10 - 150)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210459 **Work Order #...:** HNK091AC **Matrix.....:** WATER
LCS Lot-Sample#: D5J250000-620
Prep Date.....: 10/25/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5298620 **Analysis Time..:** 13:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**76**	**(53 - 95)**	**SW846 8270C**
Pyrene	**84**	**(54 - 111)**	**SW846 8270C**
4-Chloro-3-methylphenol	**86**	**(55 - 101)**	**SW846 8270C**
2-Chlorophenol	**82**	**(53 - 99)**	**SW846 8270C**
1,4-Dichlorobenzene	**62**	**(47 - 87)**	**SW846 8270C**
2,4-Dinitrotoluene	**82**	**(54 - 106)**	**SW846 8270C**
4-Nitrophenol	**78**	**(46 - 109)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**72**	**(51 - 91)**	**SW846 8270C**
Pentachlorophenol	**71**	**(45 - 109)**	**SW846 8270C**
Phenol	**79**	**(50 - 101)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**65**	**(43 - 90)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(54 - 94)
Phenol-d5	78	(55 - 101)
Nitrobenzene-d5	77	(56 - 97)
2-Fluorobiphenyl	65	(43 - 95)
2,4,6-Tribromophenol	73	(54 - 110)
Terphenyl-d14	82	(57 - 121)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D5J210459 **Work Order #...:** HNK091AC **Matrix.....:** WATER
LCS Lot-Sample#: D5J250000-620
Prep Date.....: 10/25/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5298620 **Analysis Time..:** 13:23
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**75.5**	**ug/L**	**76**	**SW846 8270C**
Pyrene	**100**	**84.0**	**ug/L**	**84**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**129**	**ug/L**	**86**	**SW846 8270C**
2-Chlorophenol	**150**	**122**	**ug/L**	**82**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**62.4**	**ug/L**	**62**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**82.3**	**ug/L**	**82**	**SW846 8270C**
4-Nitrophenol	**150**	**117**	**ug/L**	**78**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**72.4**	**ug/L**	**72**	**SW846 8270C**
Pentachlorophenol	**150**	**106**	**ug/L**	**71**	**SW846 8270C**
Phenol	**150**	**119**	**ug/L**	**79**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**65.0**	**ug/L**	**65**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(54 - 94)
Phenol-d5	78	(55 - 101)
Nitrobenzene-d5	77	(56 - 97)
2-Fluorobiphenyl	65	(43 - 95)
2,4,6-Tribromophenol	73	(54 - 110)
Terphenyl-d14	82	(57 - 121)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D5J210459 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: HN0EN1AA		MB Lot-Sample #:	D5J290000-100	
	ND	3.0	mg/L	SW846 9056	10/28/05	5302100
		Dilution Factor: 1				
		Analysis Time..: 18:38				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D5J210459 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:HN0EN1AC-LCS/HN0EN1AD-LCSD				LCS Lot-Sample#: D5J290000-100	
	101	(89 - 109)			SW846 9056	10/28/05	5302100
	100	(89 - 109)	0.99	(0-10)	SW846 9056	10/28/05	5302100

Dilution Factor: 1 Analysis Time..: 18:07

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D5J210459 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:HN0EN1AC-LCS/HN0EN1AD-LCSD				LCS Lot-Sample#: D5J290000-100		
	20.0	20.2	mg/L	101		SW846 9056	10/28/05	5302100
	20.0	20.0	mg/L	100	0.99	SW846 9056	10/28/05	5302100

Dilution Factor: 1 Analysis Time..: 18:07

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5J210459 **Matrix.....:** WATER
Date Sampled...: 10/20/05 09:07 **Date Received..:** 10/22/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: HNER61AP-MS/HNER61AQ-MSD				MS Lot-Sample #: D5J220179-001	
	97	(80 - 120)			SW846 9056	10/28/05	5302098
	97	(80 - 120)	0.0	(0-20)	SW846 9056	10/28/05	5302098
		Dilution Factor: 1					
		Analysis Time..: 19:08					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5J210459 **Matrix.....:** WATER
Date Sampled...: 10/20/05 09:07 **Date Received..:** 10/22/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: HNER61AP-MS/HNER61AQ-MSD		MS Lot-Sample #: D5J220179-001				
	84	125	205	mg/L	97		SW846 9056	10/28/05	5302098
	84	125	205	mg/L	97	0.0	SW846 9056	10/28/05	5302098

Dilution Factor: 1
Analysis Time..: 19:08

NOTE(S):

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

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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STL-4124 (0901)

Client: MAXIM Technologies	Project Manager: Clyde Yancey	Date: 10-19-05	Chain of Custody Number: 324285
Address: 10661 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-975-2563 / 237-8656	Lab Number:	Page 1 of 1
City: ABQ / State: NM / Zip Code: 87112	Site Contact: Kelly Henderson	Lab Contact: Donna Ruybal	
Project Name and Location (State): Federal 15 ConocoPhillips Farmington, NM	Carrier/Waybill Number: FedEx		
Contract/Purchase Order/Quote No.: E670001 / MAXIM / 6845 MAX005			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270	chloride	Special Instructions/ Conditions of Receipt
MW-1	10-19-05	11:00		X									X	X	X	
MW-2	10-19-05	12:45		X									X	X	X	
MW-3	10-19-05	11:30		X									X	X	X	
MW-4	10-19-05	12:00		X									X	X	X	
duplicate	10-19-05	13:00		X									X			
trip Blank	10-19-05	12:30		X									X			

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Kelly Henderson	10-20-05	9:00	1. Received By:	10-21-05	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: only one Amber (PAH) bottle for MW-2 due to breakage

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

Chain of Custody Record

4.7°
60 IR2
10/20/05

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Maxim	Clyde Yancey	10-20-05	324286
Address 10601 Lomas NE Suite 106	**Telephone Number (Area Code)/Fax Number** 505-975-2563 505-237-9856	**Lab Number**	**Page** 1 of 1
City Albuquerque / **State** NM / **Zip Code** 87123	**Site Contact** Kelly Henderson	**Lab Contact** Donna Rydberg	**Analysis (Attach list if more space is needed)**
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	BTEX	PAH	Chloride	Special Instructions/ Conditions of Receipt
MW-5	10-20-05	11:00	X										X	X	X	Could not locate correct bottle for chloride analysis

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

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Kelly Henderson	10-20-05	12:00	1. Received By:	10-21-05	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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