3R - 087

MONITORING REPORT

04/10/2008

TETRA TECH, INC.

6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
(505) 237-8440

RECEIVED
2008 APR 11 PM 1 57

April 10, 2008

Mr. Glen von Gonten
State of New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RE: (1) ConocoPhillips Nell Hall #1 2007 Semi-Annual Report
Flora Vista, New Mexico
(2) ConocoPhillips Shephard & Kelsey #1 2007 Quarterly Report
Bloomfield, New Mexico
(3) ConocoPhillips Federal #15 2007 Annual Report
Farmington, New Mexico
(4) ConocoPhillips B Com #1E 2007 Annual Report
Farmington, New Mexico

Dear Mr. von Gonten:

Enclosed please find a copy of the above-referenced documents as compiled by Tetra Tech, Inc., formerly Maxim Technologies, for these Farmington area sites.

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

Sincerely,

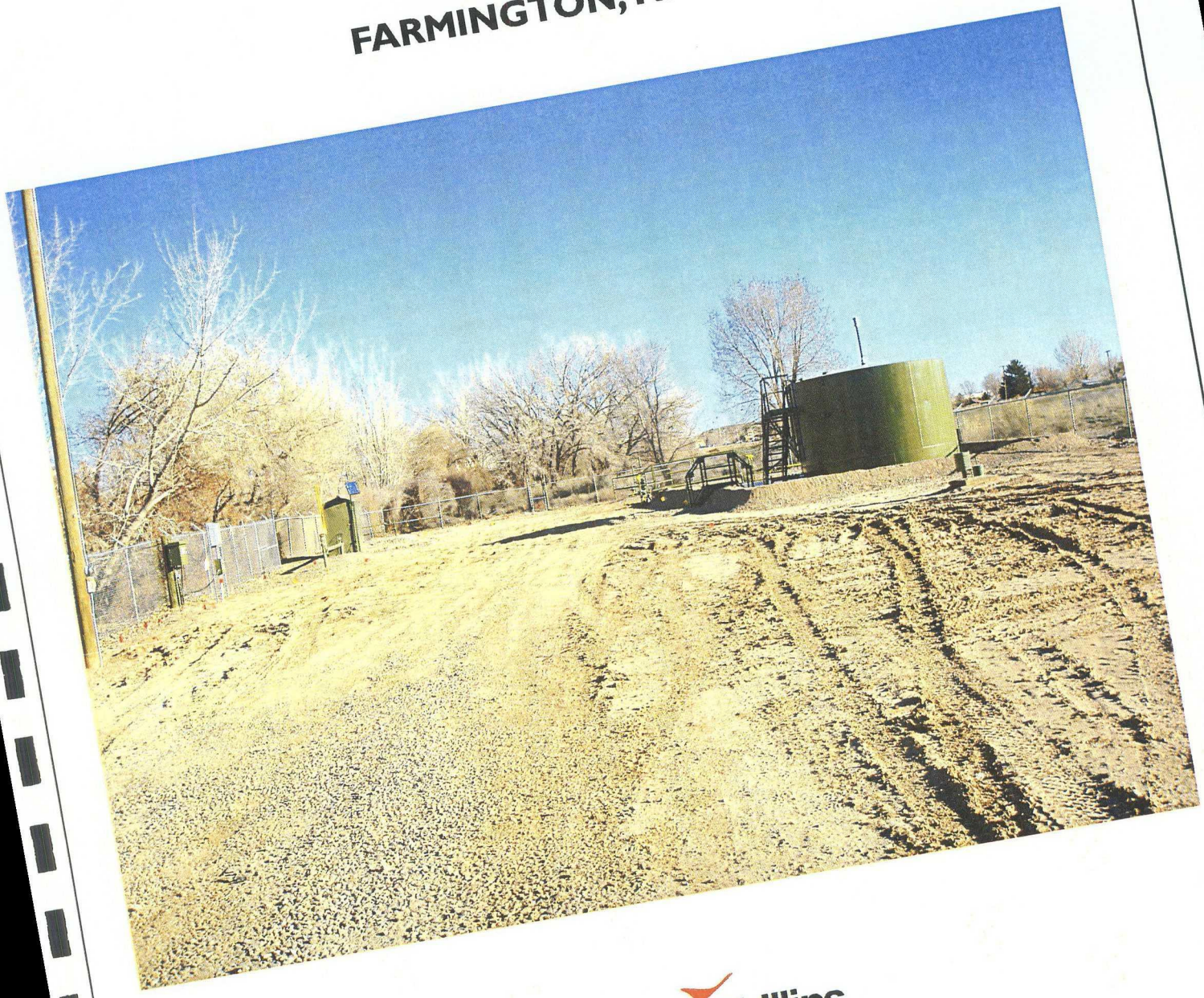
Kelly E. Blanchard

Kelly E. Blanchard
Project Manager/Geologist

Enclosures (4)

2007 ANNUAL MONITORING REPORT
CONOCOPHILLIPS
FEDERAL #15
FARMINGTON, NM

RECEIVED
2008 APR 11 PM 1 57



ConocoPhillips

TETRA TECH, INC.

January 2008

2007 ANNUAL GROUNDWATER AND SITE ACTIVITIES REPORT

FEDERAL #15
FARMINGTON, NEW MEXICO

Prepared for:

ConocoPhillips

420 South Keeler Avenue
Bartlesville, OK 74004

Prepared by:

TETRA TECH, INC.

6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
Tetra Tech Project No. 8690066.100

January 30, 2008

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2007 ANNUAL GROUNDWATER MONITORING AND SITE ACTIVITIES REPORT
FEDERAL #15, FARMINGTON, NEW MEXICO

1.0 SITE HISTORY

This report presents the results of groundwater monitoring and a summary of vacuum truck pumping events that took place during 2007 at the ConocoPhillips Federal #15 Site in Farmington, New Mexico, by Tetra Tech, Inc. (Tetra Tech).

The site is located on the north side of Gila Street. The closest cross street is Main Street, located approximately 0.5 miles 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 barrels 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.

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 Tetra Tech.

2.0 SITE ACTIVITIES SUMMARY

2.1 Groundwater Pumping

On February 20th, May 15th, August 21st, and November 7th, 2006 Tetra Tech was onsite to conduct groundwater removal events using a vacuum truck operated by Riley Industrial Services of Farmington, New Mexico. Approximately 346, 474, 528, and 575 gallons of water were removed from MW-2, respectively. Fluids were disposed of in the onsite waste water tank.

2.2 Groundwater Sampling Methodology

A groundwater sampling event was conducted by Tetra Tech on November 7 2007. Groundwater samples from MW-1, MW-2, MW-3, MW-4, and MW-5 were collected. Monitoring wells were purged of at least

three casing volumes of water. Approximately 6 gallons of water were removed from each well. The purged water was disposed of in the waste water tank located on site (Figure 2). A 1.5-inch dedicated, clear, poly-vinyl, disposable bailer was used in each well to purge and 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 300.0A.

Groundwater levels were recorded before well sampling. The water levels collected prior to sampling during each event were used to create the groundwater elevation contour map shown as Figure 3. Table 1 presents the groundwater levels and the top of casing survey results used to calculate the groundwater elevations at the site. The groundwater at the site flows to the south south-west toward the Animas River.

2.3 Groundwater Sampling Analytical Results

The samples collected from monitoring well MW-4 contained concentrations of benzene above the New Mexico Water Quality Control Commission (NMWQCC) standard of 10 µg/L, at 36 micrograms per liter (µg/L). The sample from MW-4 also contained concentrations of ethylbenzene below NMWQCC standards. Samples collected from MW-2 contained concentrations of BTEX below NMWQCC standards. All other samples were below laboratory detection limits for BTEX. The downgradient well located on the adjacent property remained un-impacted.

All samples contained chloride concentrations below the NMWQCC standard of 250 mg/L (milligrams per liter). Chloride concentrations ranged from 24 mg/L in MW-4 to 58 mg/L in MW-5. All samples collected were non-detect for napthalenes. Groundwater laboratory analytical data is provided in Table 2. The laboratory analytical report is located in Appendix A.

3.0 CONCLUSIONS

Approximately one year after impacted soil was removed from the site, the benzene concentration in MW-2 was 1100 µg/L during the October 2005 sampling event. The benzene concentration in MW-2 decreased to 4.2 µg/L during the November 2006 sampling event. Tetra Tech has conducted quarterly pumping events in MW-2 since July 2005. The decrease in benzene in MW-2 suggests the pumping events have been effective. Tetra Tech will continue to pump MW-2 quarterly during 2008, due to the minimal presence of free product collected each quarter on the absorbent sock. Following the annual sampling event during November 2008, Tetra Tech will reevaluate the continuation of quarterly pumping events. If MW-2 and all other site wells have reached compliance, pumping will be discontinued and quarterly groundwater sampling will begin.

FIGURES

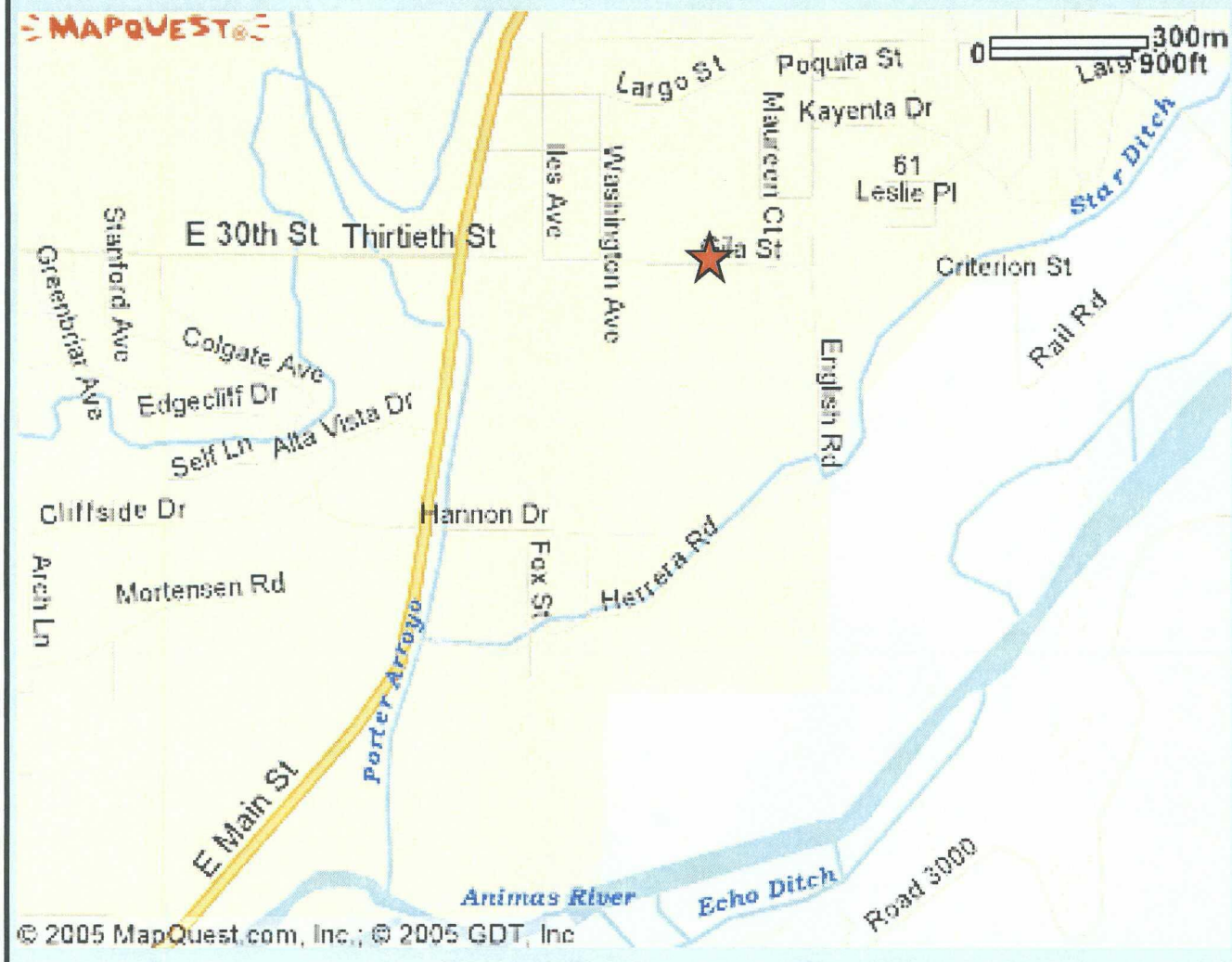


Figure 1. Site Location Map
ConocoPhillips
Federal #15
Farmington, New Mexico 87401

=Approximate ConocoPhillips Federal #15 Site Location

TETRA TECH, INC.

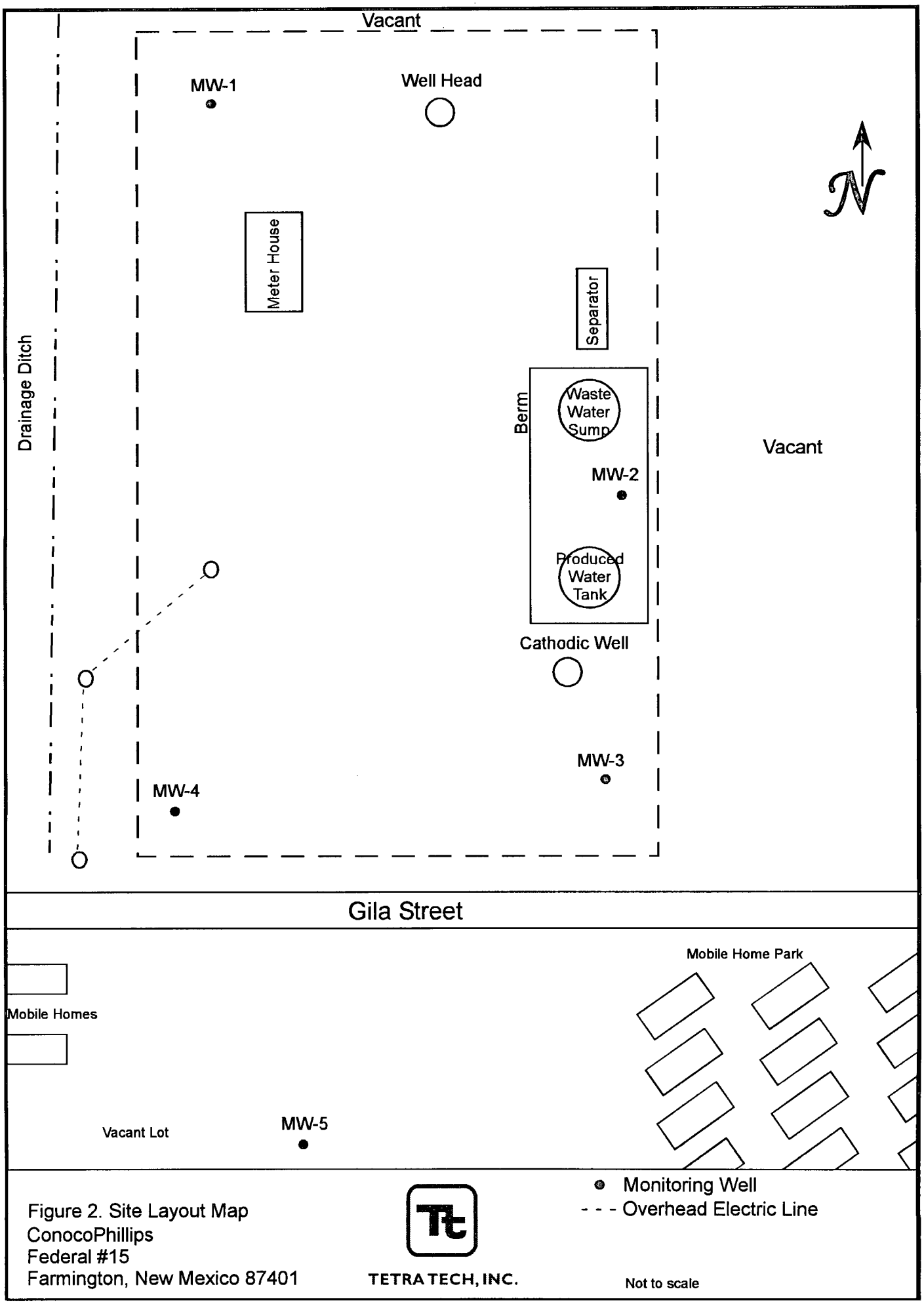


Figure 2. Site Layout Map
ConocoPhillips
Federal #15
Farmington, New Mexico 87401

TETRA TECH, INC.

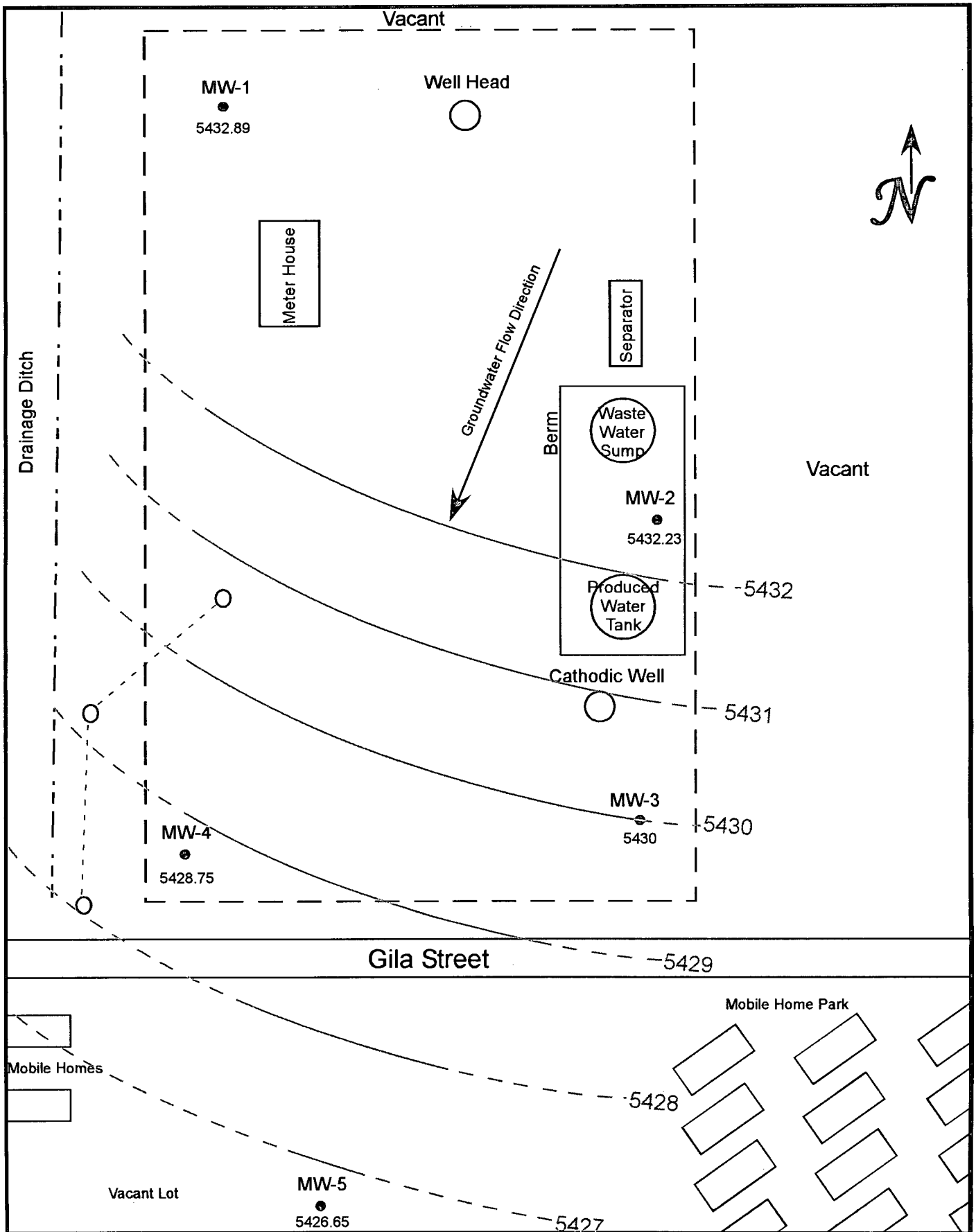


Figure 3. Groundwater Elevation Contour Map November 2007
ConocoPhillips
Federal #15
Farmington, New Mexico 87401

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
				11/15/2006	8.1		5429.89
				11/7/2007	5.2		5432.79
MW-2	11/17/2004	20	5 - 20	1/18/2005	9.49	5437.33	5427.84
				10/19/2005	8.66		5428.67
				11/14/2006	8.28		5429.05
				11/7/2007	5.1		5432.23
MW-3	11/22/2004	20	5 - 20	1/18/2005	8.54	5435.13	5426.59
				10/19/2005	7.75		5427.38
				11/14/2006	7.72		5427.41
				11/7/2007	5.13		5430
MW-4	11/22/2004	20	5 - 20	1/18/2005	8.65	5434.68	5426.03
				10/19/2005	7.72		5426.96
				11/14/2006	7.74		5426.94
				11/7/2007	5.93		5428.75
MW-5	10/19/2005	17.5	3.5-17.5	10/20/2005	9.11	5434.16	5425.05
				11/14/2006	9.05		5425.11
				11/7/2007	7.51		5426.65

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
	11/15/2006	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	36
	11/7/2007	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	44
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	--	--	--	--	--
	11/14/2006	23	29	6.6	120	<10	<10	<10	<10	50
	Duplicate	45	57	12	220	--	--	--	--	--
	11/7/2007	4.2	8.8	24	74	<10	<10	<10	<10	35
	Duplicate	3.9	7.9	22	69	--	--	--	--	--
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
	11/14/2006	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	39
	11/7/2007	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	34
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
	11/14/2006	1.1	<1.0	<1.0	<2.0	<10	<10	<10	<10	44
	11/7/2007	36	<1.0	22	<2.0	<10	<10	<10	<10	24
MW-5	10/20/2005	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	73
	11/14/2006	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	79
	11/7/2007	<1.0	<1.0	<1.0	<2.0	<10	<10	<10	<10	58
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

Groundwater Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

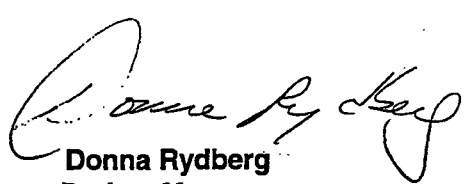
ConocoPhillips Federal COM #15

Lot #: D7K090355

Ms. Kelly Henderson

Tetra Tech
6121 Indian School Rd. NE
Suite 200
Albuquerque, NM 87110

TestAmerica Denver



Donna Rydberg
Project Manager

November 27, 2007

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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.*	

Case Narrative
D7K090355

The following report contains the analytical results for six samples and a Trip Blank submitted to TestAmerica Denver. The samples were received November 9, 2007 according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each datasheet to assist in the interpretation of the results.

TestAmerica Denver utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of QC data for these analyses is included at the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. The test results shown in this report meet all requirements of NELAC. All data have been found to be compliant with the exception of those items noted.

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

Supplemental QC Information

Sample Arrival and Receipt
The samples presented in this report were received at the laboratory at temperatures of 1.6°C and 4.4°C. The sample containers were received in acceptable condition.

Holding Times
The analytical holding times were met.

Method SW846 8260B
The percent recovery for surrogate Toluene-d8 exceeded upper control limits (biased high) in sample D7K090355-005. As all target compounds were "non-detect", data was not compromised. No further action was required.

The MSD recovery for Tetrachloroethene and the surrogate recovery for Toluene-d8 were outside control limits in prep batch 7323117. The associated LCS was in control and demonstrates that operating procedures were in control. No further action was required.

No other anomalies were observed.

Method SW846 8270C
Matrix spike samples were not requested and they could not be performed due to insufficient sample volume. The associated LCS sample was in control and demonstrates that operating procedures were in control. No further action was required.

No other anomalies were observed.

Method MCAWW 300.0A Chloride
Sample D7K090355-005 was analyzed at a dilution due to high concentrations of Chloride. The reporting limits were raised accordingly and data was flagged "Q".

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D7K090355

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 11/07/07 15:10 001				
Chloride	44	3.0	mg/L	MCAWW 300.0A
MW-2 11/07/07 14:30 002				
Benzene	4.2	1.0	ug/L	SW846 8260B
Ethylbenzene	24	1.0	ug/L	SW846 8260B
Toluene	8.8	1.0	ug/L	SW846 8260B
Xylenes (total)	74	2.0	ug/L	SW846 8260B
Chloride	35	3.0	mg/L	MCAWW 300.0A
MW-3 11/07/07 14:30 003				
Chloride	34	3.0	mg/L	MCAWW 300.0A
MW-4 11/07/07 14:50 004				
Benzene	36	1.0	ug/L	SW846 8260B
Ethylbenzene	22	1.0	ug/L	SW846 8260B
Chloride	24	3.0	mg/L	MCAWW 300.0A
MW-5 11/07/07 14:10 005				
Chloride	58 Q	6.0	mg/L	MCAWW 300.0A
DUPLICATE 11/07/07 006				
Benzene	3.9	1.0	ug/L	SW846 8260B
Ethylbenzene	22	1.0	ug/L	SW846 8260B
Toluene	7.9	1.0	ug/L	SW846 8260B
Xylenes (total)	69	2.0	ug/L	SW846 8260B

METHODS SUMMARY

D7K090355

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

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

D7K090355

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 300.0A	Grant Henshaw	004878
SW846 8260B	Hauqing Zhou	005417
SW846 8270C	Daniel Kiekel	011370

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

D7K090355

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KA0C0	001	MW-1	11/07/07	15:10
KA0C2	002	MW-2	11/07/07	14:30
KA0C3	003	MW-3	11/07/07	14:30
KA0C4	004	MW-4	11/07/07	14:50
KA0C5	005	MW-5	11/07/07	14:10
KA0C7	006	DUPLICATE	11/07/07	
KA0C8	007	TRIP BLANK	11/07/07	13:15

NOTE(S):

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

ConocoPhillips Company

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: D7K090355-001 **Work Order #...:** KA0C01AD **Matrix.....:** WATER
Date Sampled...: 11/07/07 15:10 **Date Received..:** 11/09/07
Prep Date.....: 11/16/07 **Analysis Date..:** 11/16/07
Prep Batch #...: 7323117 **Analysis Time..:** 19:11
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	88	(65 - 126)
4-Bromofluorobenzene	86	(75 - 115)
Toluene-d8	112	(78 - 118)

ConocoPhillips Company

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: D7K090355-002 Work Order #...: KA0C21AD Matrix.....: WATER
Date Sampled...: 11/07/07 14:30 Date Received..: 11/09/07
Prep Date.....: 11/16/07 Analysis Date..: 11/16/07
Prep Batch #...: 7323117 Analysis Time..: 19:32
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	4.2	1.0	ug/L	0.16
Ethylbenzene	24	1.0	ug/L	0.16
Toluene	8.8	1.0	ug/L	0.17
Xylenes (total)	74	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(79 - 119)
1,2-Dichloroethane-d4	89	(65 - 126)
4-Bromofluorobenzene	103	(75 - 115)
Toluene-d8	116	(78 - 118)

ConocoPhillips Company

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: D7K090355-003 **Work Order #...:** KA0C31AD **Matrix.....:** WATER
Date Sampled...: 11/07/07 14:30 **Date Received..:** 11/09/07
Prep Date.....: 11/16/07 **Analysis Date..:** 11/16/07
Prep Batch #...: 7323117 **Analysis Time..:** 20:55
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	87	(65 - 126)
4-Bromofluorobenzene	82	(75 - 115)
Toluene-d8	118	(78 - 118)

ConocoPhillips Company

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: D7K090355-004	**Work Order #...:** KA0C41AD	**Matrix.....:** WATER	
Date Sampled...: 11/07/07 14:50	**Date Received..:** 11/09/07		
Prep Date.....: 11/16/07	**Analysis Date..:** 11/16/07		
Prep Batch #...: 7323117	**Analysis Time..:** 21:37		
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**36**	**1.0**	**ug/L**	**0.16**
Ethylbenzene	**22**	**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	103	(79 - 119)
1,2-Dichloroethane-d4	88	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
Toluene-d8	115	(78 - 118)

ConocoPhillips Company

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...: D7K090355-005 **Work Order #...:** KA0C51AD **Matrix.....:** WATER
Date Sampled...: 11/07/07 14:10 **Date Received..:** 11/09/07
Prep Date.....: 11/16/07 **Analysis Date..:** 11/16/07
Prep Batch #...: 7323117 **Analysis Time..:** 21:58
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	103	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	81	(75 - 115)
Toluene-d8	119 *	(78 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

ConocoPhillips Company

Client Sample ID: DUPLICATE

GC/MS Volatiles

Lot-Sample #...: D7K090355-006 Work Order #...: KA0C71AA Matrix.....: WATER
Date Sampled...: 11/07/07 Date Received..: 11/09/07
Prep Date.....: 11/16/07 Analysis Date..: 11/16/07
Prep Batch #...: 7323117 Analysis Time..: 19:53
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	3.9	1.0	ug/L	0.16
Ethylbenzene	22	1.0	ug/L	0.16
Toluene	7.9	1.0	ug/L	0.17
Xylenes (total)	69	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	99	(75 - 115)
Toluene-d8	116	(78 - 118)

ConocoPhillips Company

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D7K090355-007 **Work Order #...:** KA0C81AA **Matrix.....:** WATER
Date Sampled...: 11/07/07 13:15 **Date Received..:** 11/09/07
Prep Date.....: 11/16/07 **Analysis Date..:** 11/16/07
Prep Batch #...: 7323117 **Analysis Time..:** 22:19
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	86	(65 - 126)
4-Bromofluorobenzene	83	(75 - 115)
Toluene-d8	113	(78 - 118)

ConocoPhillips Company

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: D7K090355-001 **Work Order #...:** KA0C02AA **Matrix.....:** WATER
Date Sampled...: 11/07/07 15:10 **Date Received..:** 11/09/07
Prep Date.....: 11/14/07 **Analysis Date..:** 11/20/07
Prep Batch #...: 7318522 **Analysis Time..:** 15:18
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.28
Acenaphthylene	ND	10	ug/L	0.49
Anthracene	ND	10	ug/L	0.42
Benzo(a)anthracene	ND	10	ug/L	0.35
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	0.50
Benzo(a)pyrene	ND	10	ug/L	0.74
Chrysene	ND	10	ug/L	0.54
Dibenz(a,h)anthracene	ND	10	ug/L	0.51
Fluoranthene	ND	10	ug/L	0.20
Fluorene	ND	10	ug/L	0.31
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.65
2-Methylnaphthalene	ND	10	ug/L	0.29
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	0.29
Phenanthrene	ND	10	ug/L	0.26
Pyrene	ND	10	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(40 - 120)
Phenol-d5	70	(51 - 120)
Nitrobenzene-d5	69	(47 - 120)
2-Fluorobiphenyl	71	(42 - 120)
2,4,6-Tribromophenol	78	(47 - 120)
Terphenyl-d14	87	(30 - 127)

ConocoPhillips Company

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...: D7K090355-002 **Work Order #...:** KA0C22AA **Matrix.....:** WATER
Date Sampled...: 11/07/07 14:30 **Date Received..:** 11/09/07
Prep Date.....: 11/14/07 **Analysis Date..:** 11/20/07
Prep Batch #...: 7318522 **Analysis Time..:** 15:39
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.28
Acenaphthylene	ND	10	ug/L	0.49
Anthracene	ND	10	ug/L	0.42
Benzo(a)anthracene	ND	10	ug/L	0.35
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	0.50
Benzo(a)pyrene	ND	10	ug/L	0.74
Chrysene	ND	10	ug/L	0.54
Dibenz(a,h)anthracene	ND	10	ug/L	0.51
Fluoranthene	ND	10	ug/L	0.20
Fluorene	ND	10	ug/L	0.31
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.65
2-Methylnaphthalene	ND	10	ug/L	0.29
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	0.29
Phenanthrene	ND	10	ug/L	0.26
Pyrene	ND	10	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(40 - 120)
Phenol-d5	71	(51 - 120)
Nitrobenzene-d5	71	(47 - 120)
2-Fluorobiphenyl	71	(42 - 120)
2,4,6-Tribromophenol	77	(47 - 120)
Terphenyl-d14	83	(30 - 127)

ConocoPhillips Company

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: D7K090355-003 **Work Order #...:** KA0C32AA **Matrix.....:** WATER
Date Sampled...: 11/07/07 14:30 **Date Received..:** 11/09/07
Prep Date.....: 11/14/07 **Analysis Date..:** 11/20/07
Prep Batch #...: 7318522 **Analysis Time..:** 15:59
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.28
Acenaphthylene	ND	10	ug/L	0.49
Anthracene	ND	10	ug/L	0.42
Benzo(a)anthracene	ND	10	ug/L	0.35
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	0.50
Benzo(a)pyrene	ND	10	ug/L	0.74
Chrysene	ND	10	ug/L	0.54
Dibenz(a,h)anthracene	ND	10	ug/L	0.51
Fluoranthene	ND	10	ug/L	0.20
Fluorene	ND	10	ug/L	0.31
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.65
2-Methylnaphthalene	ND	10	ug/L	0.29
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	0.29
Phenanthrene	ND	10	ug/L	0.26
Pyrene	ND	10	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(40 - 120)
Phenol-d5	65	(51 - 120)
Nitrobenzene-d5	65	(47 - 120)
2-Fluorobiphenyl	67	(42 - 120)
2,4,6-Tribromophenol	71	(47 - 120)
Terphenyl-d14	75	(30 - 127)

ConocoPhillips Company

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: D7K090355-004 Work Order #...: KA0C42AA Matrix.....: WATER
Date Sampled...: 11/07/07 14:50 Date Received..: 11/09/07
Prep Date.....: 11/14/07 Analysis Date..: 11/20/07
Prep Batch #...: 7318522 Analysis Time..: 16:19
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.28
Acenaphthylene	ND	10	ug/L	0.49
Anthracene	ND	10	ug/L	0.42
Benzo(a)anthracene	ND	10	ug/L	0.35
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	0.50
Benzo(a)pyrene	ND	10	ug/L	0.74
Chrysene	ND	10	ug/L	0.54
Dibenz(a,h)anthracene	ND	10	ug/L	0.51
Fluoranthene	ND	10	ug/L	0.20
Fluorene	ND	10	ug/L	0.31
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.65
2-Methylnaphthalene	ND	10	ug/L	0.29
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	0.29
Phenanthrene	ND	10	ug/L	0.26
Pyrene	ND	10	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(40 - 120)
Phenol-d5	70	(51 - 120)
Nitrobenzene-d5	68	(47 - 120)
2-Fluorobiphenyl	68	(42 - 120)
2,4,6-Tribromophenol	72	(47 - 120)
Terphenyl-d14	71	(30 - 127)

ConocoPhillips Company

Client Sample ID: MW-5

GC/MS Semivolatiles

Lot-Sample #...: D7K090355-005 **Work Order #...:** KA0C52AA **Matrix.....:** WATER
Date Sampled...: 11/07/07 14:10 **Date Received..:** 11/09/07
Prep Date.....: 11/14/07 **Analysis Date..:** 11/20/07
Prep Batch #...: 7318522 **Analysis Time..:** 16:39
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.28
Acenaphthylene	ND	10	ug/L	0.49
Anthracene	ND	10	ug/L	0.42
Benzo(a)anthracene	ND	10	ug/L	0.35
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	0.50
Benzo(a)pyrene	ND	10	ug/L	0.74
Chrysene	ND	10	ug/L	0.54
Dibenz(a,h)anthracene	ND	10	ug/L	0.51
Fluoranthene	ND	10	ug/L	0.20
Fluorene	ND	10	ug/L	0.31
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.65
2-Methylnaphthalene	ND	10	ug/L	0.29
1-Methylnaphthalene	ND	10	ug/L	1.7
Naphthalene	ND	10	ug/L	0.29
Phenanthrene	ND	10	ug/L	0.26
Pyrene	ND	10	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(40 - 120)
Phenol-d5	79	(51 - 120)
Nitrobenzene-d5	77	(47 - 120)
2-Fluorobiphenyl	81	(42 - 120)
2,4,6-Tribromophenol	89	(47 - 120)
Terphenyl-d14	89	(30 - 127)

ConocoPhillips Company

Client Sample ID: MW-1

General Chemistry

Lot-Sample #...: D7K090355-001 Work Order #...: KA0C0 Matrix.....: WATER
Date Sampled...: 11/07/07 15:10 Date Received..: 11/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	44	3.0	mg/L	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 1 Analysis Time..: 12:02 MDL.....: 0.25

ConocoPhillips Company

Client Sample ID: MW-2

General Chemistry

Lot-Sample #...: D7K090355-002 Work Order #...: KA0C2 Matrix.....: WATER
Date Sampled...: 11/07/07 14:30 Date Received..: 11/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	35	3.0	mg/L	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 1 Analysis Time..: 12:19 MDL.....: 0.25

ConocoPhillips Company

Client Sample ID: MW-3

General Chemistry

Lot-Sample #...: D7K090355-003 Work Order #...: KA0C3 Matrix.....: WATER
Date Sampled...: 11/07/07 14:30 Date Received..: 11/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	34	3.0	mg/L	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 1 Analysis Time..: 12:35 MDL.....: 0.25

ConocoPhillips Company

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: D7K090355-004 Work Order #...: KA0C4 Matrix.....: WATER
Date Sampled...: 11/07/07 14:50 Date Received..: 11/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	24	3.0	mg/L	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 1 Analysis Time..: 12:52 MDL.....: 0.25

ConocoPhillips Company

Client Sample ID: MW-5

General Chemistry

Lot-Sample #...: D7K090355-005 Work Order #...: KA0C5 Matrix.....: WATER
Date Sampled...: 11/07/07 14:10 Date Received..: 11/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	58 Q	6.0	mg/L	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 2 Analysis Time..: 13:09 MDL.....: 0.51

NOTE(S):

RL Reporting Limit

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

QC DATA ASSOCIATION SUMMARY

D7K090355

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 300.0A		7324231	7324295
	WATER	SW846 8260B		7323117	7323080
	WATER	SW846 8270C		7318522	
002	WATER	MCAWW 300.0A		7324231	7324295
	WATER	SW846 8260B		7323117	7323080
	WATER	SW846 8270C		7318522	
003	WATER	MCAWW 300.0A		7324231	7324295
	WATER	SW846 8260B		7323117	7323080
	WATER	SW846 8270C		7318522	
004	WATER	MCAWW 300.0A		7324231	7324295
	WATER	SW846 8260B		7323117	7323080
	WATER	SW846 8270C		7318522	
005	WATER	MCAWW 300.0A		7324231	7324295
	WATER	SW846 8260B		7323117	7323080
	WATER	SW846 8270C		7318522	
006	WATER	SW846 8260B		7323117	7323080
007	WATER	SW846 8260B		7323117	7323080

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D7K090355 **Work Order #...:** KCJVF1AA **Matrix.....:** WATER
MB Lot-Sample #: D7K190000-117

Prep Date.....: 11/16/07 **Analysis Time..:** 18:50
Analysis Date..: 11/16/07 **Prep Batch #...:** 7323117
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	102	(79 - 119)
1,2-Dichloroethane-d4	89	(65 - 126)
4-Bromofluorobenzene	88	(75 - 115)
Toluene-d8	111	(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 #...: D7K090355 **Work Order #...:** KCJVF1AC **Matrix.....:** WATER
LCS Lot-Sample#: D7K190000-117
Prep Date.....: 11/16/07 **Analysis Date..:** 11/16/07
Prep Batch #...: 7323117 **Analysis Time..:** 21:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(68 - 133)**	**SW846 8260B**
Chlorobenzene	**97**	**(78 - 118)**	**SW846 8260B**
Benzene	**99**	**(77 - 118)**	**SW846 8260B**
Trichloroethene	**107**	**(78 - 122)**	**SW846 8260B**
Ethylbenzene	**100**	**(78 - 118)**	**SW846 8260B**
Toluene	**110**	**(73 - 120)**	**SW846 8260B**
Chloroform	**92**	**(78 - 118)**	**SW846 8260B**
1,3-Dichlorobenzene	**96**	**(75 - 115)**	**SW846 8260B**
1,1-Dichloroethane	**95**	**(77 - 117)**	**SW846 8260B**
1,2-Dichloropropane	**95**	**(76 - 116)**	**SW846 8260B**
Methylene chloride	**97**	**(71 - 119)**	**SW846 8260B**
Tetrachloroethene	**113**	**(77 - 117)**	**SW846 8260B**
1,1,1-Trichloroethane	**98**	**(78 - 118)**	**SW846 8260B**
Carbon tetrachloride	**91**	**(80 - 120)**	**SW846 8260B**
trans-1,2-Dichloroethene	**100**	**(80 - 120)**	**SW846 8260B**
Bromodichloromethane	**84**	**(78 - 118)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	87	(75 - 115)
Toluene-d8	112	(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 #...: D7K090355 **Work Order #...:** KCJVF1AC **Matrix.....:** WATER
LCS Lot-Sample#: D7K190000-117
Prep Date.....: 11/16/07 **Analysis Date..:** 11/16/07
Prep Batch #...: 7323117 **Analysis Time..:** 21:16
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.64**	**ug/L**	**96**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.66**	**ug/L**	**97**	**SW846 8260B**
Benzene	**10.0**	**9.90**	**ug/L**	**99**	**SW846 8260B**
Trichloroethene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Ethylbenzene	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**
Toluene	**10.0**	**11.0**	**ug/L**	**110**	**SW846 8260B**
Chloroform	**10.0**	**9.23**	**ug/L**	**92**	**SW846 8260B**
1,3-Dichlorobenzene	**10.0**	**9.59**	**ug/L**	**96**	**SW846 8260B**
1,1-Dichloroethane	**10.0**	**9.52**	**ug/L**	**95**	**SW846 8260B**
1,2-Dichloropropane	**10.0**	**9.45**	**ug/L**	**95**	**SW846 8260B**
Methylene chloride	**10.0**	**9.71**	**ug/L**	**97**	**SW846 8260B**
Tetrachloroethene	**10.0**	**11.3**	**ug/L**	**113**	**SW846 8260B**
1,1,1-Trichloroethane	**10.0**	**9.81**	**ug/L**	**98**	**SW846 8260B**
Carbon tetrachloride	**10.0**	**9.09**	**ug/L**	**91**	**SW846 8260B**
trans-1,2-Dichloroethene	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**
Bromodichloromethane	**10.0**	**8.44**	**ug/L**	**84**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	87	(75 - 115)
Toluene-d8	112	(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 #...: D7K090355 Work Order #...: KA0C01AE-MS Matrix.....: WATER
MS Lot-Sample #: D7K090355-001 KA0C01AF-MSD
Date Sampled...: 11/07/07 15:10 Date Received..: 11/09/07
Prep Date.....: 11/16/07 Analysis Date..: 11/16/07
Prep Batch #...: 7323117 Analysis Time..: 20:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(68 - 133)			SW846 8260B
	96	(68 - 133)	0.96	(0-20)	SW846 8260B
Chlorobenzene	99	(78 - 118)			SW846 8260B
	103	(78 - 118)	4.6	(0-20)	SW846 8260B
Benzene	101	(77 - 118)			SW846 8260B
	103	(77 - 118)	1.8	(0-20)	SW846 8260B
Trichloroethene	110	(78 - 122)			SW846 8260B
	112	(78 - 122)	1.6	(0-20)	SW846 8260B
Ethylbenzene	100	(78 - 118)			SW846 8260B
	105	(78 - 118)	5.2	(0-26)	SW846 8260B
Toluene	111	(73 - 120)			SW846 8260B
	115	(73 - 120)	3.6	(0-20)	SW846 8260B
Chloroform	93	(78 - 118)			SW846 8260B
	96	(78 - 118)	2.9	(0-20)	SW846 8260B
1,3-Dichlorobenzene	97	(75 - 115)			SW846 8260B
	100	(75 - 115)	3.1	(0-20)	SW846 8260B
1,1-Dichloroethane	98	(77 - 117)			SW846 8260B
	99	(77 - 117)	1.2	(0-21)	SW846 8260B
1,2-Dichloropropane	97	(76 - 116)			SW846 8260B
	98	(76 - 116)	1.1	(0-20)	SW846 8260B
Methylene chloride	95	(71 - 119)			SW846 8260B
	97	(71 - 119)	1.2	(0-20)	SW846 8260B
Tetrachloroethene	113	(77 - 117)			SW846 8260B
	118 a	(77 - 117)	4.1	(0-20)	SW846 8260B
1,1,1-Trichloroethane	100	(78 - 118)			SW846 8260B
	102	(78 - 118)	1.8	(0-20)	SW846 8260B
Carbon tetrachloride	91	(80 - 120)			SW846 8260B
	94	(80 - 120)	2.9	(0-21)	SW846 8260B
trans-1,2-Dichloroethene	103	(80 - 120)			SW846 8260B
	104	(80 - 120)	0.82	(0-24)	SW846 8260B
Bromodichloromethane	85	(78 - 118)			SW846 8260B
	86	(78 - 118)	1.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(79 - 119)
	105	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
	88	(65 - 126)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7K090355 **Work Order #...:** KA0C01AE-MS **Matrix.....:** WATER
MS Lot-Sample #: D7K090355-001 KA0C01AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	88	(75 - 115)
	90	(75 - 115)
Toluene-d8	115	(78 - 118)
	119 *	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7K090355 Work Order #...: KA0C01AE-MS Matrix.....: WATER
MS Lot-Sample #: D7K090355-001 KA0C01AF-MSD
Date Sampled...: 11/07/07 15:10 Date Received..: 11/09/07
Prep Date.....: 11/16/07 Analysis Date..: 11/16/07
Prep Batch #...: 7323117 Analysis Time..: 20:14
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.71	ug/L	97		SW846 8260B
	ND	10.0	9.62	ug/L	96	0.96	SW846 8260B
Chlorobenzene	ND	10.0	9.87	ug/L	99		SW846 8260B
	ND	10.0	10.3	ug/L	103	4.6	SW846 8260B
Benzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.8	SW846 8260B
Trichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.2	ug/L	112	1.6	SW846 8260B
Ethylbenzene	ND	10.0	9.96	ug/L	100		SW846 8260B
	ND	10.0	10.5	ug/L	105	5.2	SW846 8260B
Toluene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.5	ug/L	115	3.6	SW846 8260B
Chloroform	ND	10.0	9.34	ug/L	93		SW846 8260B
	ND	10.0	9.61	ug/L	96	2.9	SW846 8260B
1,3-Dichlorobenzene	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.98	ug/L	100	3.1	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.76	ug/L	98		SW846 8260B
	ND	10.0	9.88	ug/L	99	1.2	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.70	ug/L	97		SW846 8260B
	ND	10.0	9.81	ug/L	98	1.1	SW846 8260B
Methylene chloride	ND	10.0	9.54	ug/L	95		SW846 8260B
	ND	10.0	9.65	ug/L	97	1.2	SW846 8260B
Tetrachloroethene	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.8	ug/L	118 a	4.1	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.8	SW846 8260B
Carbon tetrachloride	ND	10.0	9.09	ug/L	91		SW846 8260B
	ND	10.0	9.36	ug/L	94	2.9	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.82	SW846 8260B
Bromodichloromethane	ND	10.0	8.50	ug/L	85		SW846 8260B
	ND	10.0	8.65	ug/L	86	1.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(79 - 119)
	105	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
	88	(65 - 126)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7K090355 **Work Order #...:** KA0C01AE-MS **Matrix.....:** WATER
MS Lot-Sample #: D7K090355-001 KA0C01AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	88	(75 - 115)
	90	(75 - 115)
Toluene-d8	115	(78 - 118)
	119 *	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D7K090355 **Work Order #...:** KA9N41AA **Matrix.....:** WATER
MB Lot-Sample #: D7K140000-522

Prep Date.....: 11/14/07 **Analysis Time..:** 14:18
Analysis Date..: 11/20/07 **Prep Batch #...:** 7318522
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	60	(40 - 120)
Phenol-d5	65	(51 - 120)
Nitrobenzene-d5	64	(47 - 120)
2-Fluorobiphenyl	62	(42 - 120)
2,4,6-Tribromophenol	67	(47 - 120)
Terphenyl-d14	79	(30 - 127)

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 #...: D7K090355 Work Order #...: KA9N41AC Matrix.....: WATER
LCS Lot-Sample#: D7K140000-522
Prep Date.....: 11/14/07 Analysis Date..: 11/20/07
Prep Batch #...: 7318522 Analysis Time..: 14:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
4-Chloro-3-methylphenol	**76**	**(57 - 120)**	**SW846 8270C**
2-Chlorophenol	**78**	**(55 - 120)**	**SW846 8270C**
Acenaphthene	**77**	**(52 - 120)**	**SW846 8270C**
1,4-Dichlorobenzene	**68**	**(36 - 120)**	**SW846 8270C**
2,4-Dinitrotoluene	**78**	**(54 - 120)**	**SW846 8270C**
4-Nitrophenol	**76**	**(48 - 120)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**69**	**(52 - 120)**	**SW846 8270C**
Pentachlorophenol	**76**	**(50 - 120)**	**SW846 8270C**
Phenol	**76**	**(54 - 120)**	**SW846 8270C**
Anthracene	**82**	**(56 - 120)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**73**	**(39 - 120)**	**SW846 8270C**
Carbazole	**82**	**(48 - 120)**	**SW846 8270C**
2-Methylphenol	**76**	**(50 - 120)**	**SW846 8270C**
2,4,6-Trichloro-phenol	**83**	**(52 - 120)**	**SW846 8270C**
2-Methylnaphthalene	**78**	**(54 - 120)**	**SW846 8270C**
Pyrene	**88**	**(52 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(54 - 120)
Phenol-d5	74	(56 - 120)
Nitrobenzene-d5	72	(55 - 120)
2-Fluorobiphenyl	72	(43 - 120)
2,4,6-Tribromophenol	80	(53 - 120)
Terphenyl-d14	84	(54 - 122)

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 #...: D7K090355 **Work Order #...:** KA9N41AC **Matrix.....:** WATER
LCS Lot-Sample#: D7K140000-522
Prep Date.....: 11/14/07 **Analysis Date..:** 11/20/07
Prep Batch #...: 7318522 **Analysis Time..:** 14:38
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
4-Chloro-3-methylphenol	**100**	**76.4**	**ug/L**	**76**	**SW846 8270C**
2-Chlorophenol	**100**	**78.2**	**ug/L**	**78**	**SW846 8270C**
Acenaphthene	**100**	**76.8**	**ug/L**	**77**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**67.5**	**ug/L**	**68**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**77.6**	**ug/L**	**78**	**SW846 8270C**
4-Nitrophenol	**100**	**76.0**	**ug/L**	**76**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**69.0**	**ug/L**	**69**	**SW846 8270C**
Pentachlorophenol	**100**	**76.2**	**ug/L**	**76**	**SW846 8270C**
Phenol	**100**	**76.0**	**ug/L**	**76**	**SW846 8270C**
Anthracene	**100**	**82.5**	**ug/L**	**82**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**72.9**	**ug/L**	**73**	**SW846 8270C**
Carbazole	**100**	**81.7**	**ug/L**	**82**	**SW846 8270C**
2-Methylphenol	**100**	**76.2**	**ug/L**	**76**	**SW846 8270C**
2,4,6-Trichloro-phenol	**100**	**82.7**	**ug/L**	**83**	**SW846 8270C**
2-Methylnaphthalene	**100**	**78.4**	**ug/L**	**78**	**SW846 8270C**
Pyrene	**100**	**88.2**	**ug/L**	**88**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(54 - 120)
Phenol-d5	74	(56 - 120)
Nitrobenzene-d5	72	(55 - 120)
2-Fluorobiphenyl	72	(43 - 120)
2,4,6-Tribromophenol	80	(53 - 120)
Terphenyl-d14	84	(54 - 122)

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 #...: D7K090355 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: KCM0Q1AA		MB Lot-Sample #:	D7K200000-231	
	ND	3.0	mg/L	MCAWW 300.0A	11/17/07	7324231
		Dilution Factor: 1				
		Analysis Time..: 11:37				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7K090355 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:KCM0Q1AC-LCS/KCM0Q1AD-LCSD				LCS Lot-Sample#: D7K200000-231	
	96	(90 - 110)			MCAWW 300.0A	11/17/07	7324231
	96	(90 - 110)	0.06	(0-10)	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 1 Analysis Time..: 11:04

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7K090355 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:KCM0Q1AC-LCS/KCM0Q1AD-LCSD				LCS Lot-Sample#: D7K200000-231		
	25.0	24.1	mg/L	96		MCAWW 300.0A	11/17/07	7324231
	25.0	24.1	mg/L	96	0.06	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 1 Analysis Time..: 11:04

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7K090355 **Matrix.....:** WATER
Date Sampled...: 11/07/07 13:00 **Date Received..:** 11/08/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: KATMK1CL-MS/KATMK1CM-MSD				MS Lot-Sample #: D7K080281-001	
	109	(80 - 120)			MCAWW 300.0A	11/17/07	7324231
	109	(80 - 120)	0.04	(0-20)	MCAWW 300.0A	11/17/07	7324231
		Dilution Factor: 5					
		Analysis Time..: 15:56					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7K090355 **Matrix.....:** WATER
Date Sampled...: 11/07/07 13:00 **Date Received..:** 11/08/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: KATMK1CL-MS/KATMK1CM-MSD				MS Lot-Sample #: D7K080281-001		
	56	125	191	mg/L	109		MCAWW 300.0A	11/17/07	7324231
	56	125	191	mg/L	109	0.04	MCAWW 300.0A	11/17/07	7324231

Dilution Factor: 5
Analysis Time..: 15:56

NOTE(S):

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

CONOCOPHILLIPS RM&R PROJECT SHEET/BOTTLE REQUEST FORM Rev 032504 **RETURN THIS SHEET WITH SAMPLES**

Please do not alter format of this form. When completed, email to laboratory to initiate project set-up and/or order bottle kits.

Date request emailed to lab:	***10/29/07***

(If <3 BD between receipt of request and date kit due, shipping will be charged to COP or consultant.)

Information highlighted in yellow is required to process bottle kit request unless emergency,e.g., pipeline break or spill.

Company # :	***1***
Cost Object :	
Work Order # :	***4507875608***
Total WO amount for lab :	***$625.00***

Req # 000010109543-00009

Store/Site #:	Federal Com #15
Site Location:	Gila Street near Halliburton/Walgreens
City & State:	Farmington, NM
Project Start Date:	November 6, 2007
ConocoPhillips PM:	Terry Lauck
Consultant PM:	Kelly Henderson

Bill To:

Conoco-Accounts Payable
PO Box 2197
Houston, TX 77252
Attn: Kim Edwards

Ship Kit to: Tetra Tech/Maxim Technologies
6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
Attn: Kelly Henderson
Phone: 505-975-2563
Date kit due: November 5, 2006

REPORT TO: Kelly Henderson
(ORIGINAL) Tetra Tech/Maxim Technologies
6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
ATTN: Kelly Henderson
Phone: 505-237-8440
Fax: 505-237-8656
Email: kelly.henderson@tetratech.com
☑ email pdf ☑ mail hardcopy ☐ incl chromatograms

REPORT TO: Ana Moreno
(COPY) Tetra Tech/Maxim Technologies
6121 Indian School Rd. NE Suite 200
Albuquerque, NM 87110
ATTN: Ana Moreno
Phone: 505-237-8440
Fax: 505-237-8656
Email: ana.moreno@tetratech.com
☑ email pdf ☐ mail hardcopy ☐ incl chromatograms

☐ Volatiles require encores for 5035 prep
Include Trip Blks, Field Blks, Eq Blks, Dups, and other QC samples in table below, and identify required analysis for each.

EDD: ☐ spreadplus ☐ Epoch ☐ other: _____
REPORT DUE: ◉ Std 18CD ○ Rush_____days
Specify certification if required: _____

SAMPLE ID	MATRIX	ANALYSIS (e.g. BTEX)	METHOD (e.g. 8260B)
MW-1	water	BTEX, PAH, chloride	8260, 8270, 300.1
MW-2	water	BTEX, PAH, chloride	8260, 8270, 300.1
MW-3	water	BTEX, PAH, chloride	8260, 8270, 300.1
MW-4	water	BTEX, PAH, chloride	8260, 8270, 300.1
duplicate	water	BTEX	8260
trip blank	water		
MW-5	water	BTEX, PAH, chloride	8260, 8270, 300.1

SPECIAL INSTRUCTIONS:
Please provide preprinted chain of custody and labels for sample points listed below:
MW-1, MW-2, MW-3, MW-4, MW-5, duplicate, trip blank

Below line is for lab use:

Date lab rec'ed request:	***Quote #***	***COC#***	***Short Notice Kit:***	***LOT ID***

STL Denver Contact: Donna Rydberg(drydberg@stl-inc.com) phone 303-736-0100; FAX: 303-431-7171

COC 14943

1.6°, 4.0°c
JB 11/9/07 TPI

87103

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

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

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 2
Tetra Tech, Inc.	Kelly Henderson	10/30/2007	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	
6121 Indian School Rd.	(505) 237-8440 / (505) 237-8656	TestAmerica Denver	

City	State	Zip Code	Site Contact
Albuquerque	NM	87110	Kelly Henderson

Project Number/Name: Federal Com 15

Carrier/Waybill Number:

Contract/Purchase Order/Quote Number: CONTRACT / PURCHASE ORDER # : PO# 4506560635 QUOTE: 72174

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	Analysis: MS8260	Analysis: MS8270	Analysis: ICCL
MW-1	11-7-07	1510	WATER	1L	AMBER	2	None				
MW-1	11-7-07	1510	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-1	11-7-07	1510	WATER	250mL	PLASTIC	1	None				X
MW-2	↓	1430	WATER	1L	AMBER	2	None			X	
MW-2		1430	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-2		1430	WATER	250mL	PLASTIC	1	None				X
MW-3	11-7-07	1430	WATER	1L	AMBER	2	None			X	
MW-3	11-7-07	1430	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-3	11-7-07	1430	WATER	250mL	PLASTIC	1	None				X
MW-4	11-7-07	1450	WATER	1L	AMBER	2	None			X	
MW-4	11-7-07	1450	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4	11-7-07	1450	WATER	250mL	PLASTIC	1	None				X
MW-5	11-7-07	1410	WATER	1L	AMBER	2	None			X	
MW-5	11-7-07	1410	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-5	11-7-07	1410	WATER	250mL	PLASTIC	1	None				X
Duplicate	↓	↓	WATER	40mL	VIAL	3	1:1 HCL		X		

Special Instructions: QUOTE 72174 8260B/BTEX 8270/PAH and 300.0 chloride
PO# 4507875608

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)

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	11/7/07	1700	[signature]	11.9.07	0900
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

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

87104

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

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

STL4149 (1202)

Client	Project Manager	Date	Page 2 of 2
Tetra Tech, Inc.	Kelly Henderson	10/30/2007	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	
6121 Indian School Rd.	(505) 237-8440 / (505) 237-8656	TestAmerica Denver	

City	State	Zip Code	Site Contact
Albuquerque	NM	87110	Kelly Henderson
Project Number/Name			**Carrier/Waybill Number**
Federal Com 15			

Contract/Purchase Order/Quote Number
CONTRACT / PURCHASE ORDER # : PO# 4506560635 QUOTE: 72174

Analysis

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS8260L	MSBZ7;L	1CCL;L
Trip Blank	11/7/07	13:15	WATER	40mL	VIAL	3	1:1 HCL		X		

Special Instructions
QUOTE 72174 8260B/BTEX 8270 PAH and 300.0 chloride
PO# 4507875608

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

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

Turn Around Time Required
☒ Normal ☐ Rush ☐ Other ____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	11/7/07	1700	[signature]	11.9.07	0900
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

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