OLSSON ASSOCIATES

February 19, 2010

Mr. Brett Middleton
EnCana Oil & Gas (USA) Inc.
2717 County Rd. 215
Suite 100
Parachute, CO 81635

Re: West Divide Seep Area Fourth Quarter Monitoring Status Report for December 2009

Dear Mr. Middleton:

Olsson Associates (Olsson) has completed the fourth quarter of 2009 groundwater and surface-water monitoring for EnCana Oil & Gas (USA) Inc. (EnCana) at the West Divide Creek Gas Seep study area (**Figure 1**).

This report summarizes the status of the remediation system and the analytical results of surface-water and groundwater monitoring that was conducted in December 2009 and data collected since 2004 to monitor the impacts of the dissolved phase hydrocarbons comprised primarily of methane and benzene at the seep site.

Groundwater and Surface-Water Monitoring

Olsson collected groundwater samples from 20 out of the 24 monitoring wells and the Eicher domestic water well during the fourth quarter on December 15 and 16, 2009 (**Figure 1**). Two duplicate samples were also collected during this monitoring period. Prior to sample collection, static water levels were measured in the monitoring wells to within 0.01 feet (ft) from the top of the PVC casing using an electronic water level. The wells were purged of static water using dedicated disposable bailers. Field parameters were obtained at the completion of purging activities and included temperature, specific conductance, dissolved oxygen, pH, total dissolved solids and turbidity using a Quanta water quality meter (**Appendix A**). Groundwater samples were collected following field parameter measurements.

Olsson collected eight (8) surface-water samples (DCS-1-8) on December 16, 2009 from West Divide Creek extending from the former seep area to the northern Langegger property line (**Figure 1**). Field parameters including temperature, specific conductance, dissolved oxygen, pH, total dissolved solids, and turbidity were also collected for each sample using the Quanta meter (**Appendix A**).

Water-quality samples collected during this period were analyzed by Accutest Labs (AL), Wheat Ridge, CO for the following analyses:

- BTEX/MTBE using EPA method 8021
- Total Dissolved methane using method RSK 175M
- Chloride (Cl) using method 300E
- Sodium (Na) using method SW6020

Isotopic methane was analyzed by Isotech Laboratories, Inc of Champaign, IL (Isotech). Stable isotopes of carbon and hydrogen in methane, stable isotopes of carbon in ethane and propane and the gas composition were determined for total dissolved methane gas concentrations at locations with a history of total dissolved methane greater than 1.0 mg/L and on the Eicher property at MW-23 and in the creek at locations DCS-2 and DCS-3 (**Appendix B and Appendix C**).

Groundwater and surface-water samples were placed in the appropriate sample containers provided by AL and Isotech, labeled, stored on ice, and delivered under chain-of-custody procedures to AL.

Site Hydrogeology and Hydrology

For this monitoring period, groundwater was encountered from near surface (in the seep area) to 24.24 (MW-21) feet below ground surface (ft-bgs). The groundwater flow direction continues to be from the seep area towards the north, mimicking the flow direction of the creek (**Figure 2**). The groundwater gradient for this period of monitoring was 0.019 feet/foot (ft/ft), which is consistent with gradients measured during other monitoring periods.

The flow in the creek was typical for this monitoring period and low compared to the spring and summer flows. During December, the southeast side of the study area was flooded near MW-15 and MW-19 and MW-25 was frozen, therefore groundwater levels and groundwater samples were not acquired from these wells.

Groundwater Monitoring Results

A summary of laboratory analytical groundwater results for benzene, toluene, ethylbenzene, total xylenes (BTEX), and total dissolved methane for December 2009 is presented in **Table 1**. **Table 2** contains the surface-water hydrocarbon results for December 2009. The extent of benzene concentrations for this monitoring period is shown in **Figure 3**. The distribution of total dissolved methane concentrations are shown in **Figure 4**. The December 2009 BTEX and total dissolved methane concentrations are depicted in **Figure 5**. The December 2009 field parameters are contained in **Appendix A**. A summary of historical hydrocarbon analyses results for groundwater data collected since 2004 are contained in **Appendix B**. **Appendix C** contains a summary of historical hydrocarbon analyses results for surface-water data collected since 2004. The QA/QC data are contained in **Appendix D**. The thermogenic methane data for this monitoring period are summarized in **Appendix E**. Graphs of chemical concentrations for selected wells are in **Appendix F**. The laboratory reports for December 2009 are in **Appendix G**. This report including all of the laboratory reports is enclosed on a disk in the Adobe Acrobat format.

For December 2009, detections of benzene were found in monitoring wells 2, 4, 9, 14 and 17 (**Table 1 and Figure 3**). Benzene concentrations were detected above the state standard of 5 µg/L at the following concentrations and monitoring wells: 110 µg/L at MW-2; 35 µg/L at MW-4; and 25 µg/L at MW-17. These wells have generally been the only monitoring wells in the seep area that have been consistently above the state standard. The wells with benzene detections below the state standard, but above the laboratory reporting limit of 1.0 ug/L were MW-9 at 2.0 µg/L and MW-14 at 1.9 µg/L (**Table 1 and Figure 5**). Toluene has not been detected in any of the monitoring wells since 2008. Ethylbenzene was only detected at MW-2 with 2.0 µg/L concentration, which is below the state standard (**Table 1 and Figure 5**). Total xylenes were

detected in MW-2 at 30.4 µg/L and in MW-4 at 21.4 µg/L, which are concentrations below the state standard (**Table 1 and Figure 5**).

Surface-Water Monitoring Results

A summary of historical surface-water results for hydrocarbons is contained in **Appendix C**. Laboratory results for this monitoring period indicate that BTEX compounds were not detected above the lower laboratory reporting limit in any of the Divide Creek surface-water samples (**Table 2**). The results to date continue to confirm that hydrocarbon concentrations above the lower laboratory reporting limit have not been detected in the creek since April of 2005 (**Appendix C**).

Methane Results for Groundwater and Surface Water

The AL laboratory results for methane are reported as total dissolved methane. This includes both biogenic (methane gas generated by biologic reduction of organic matter) and thermogenic methane (methane gas generated by thermal reduction of deeply buried organic matter). Total dissolved methane above the lower method detection level of 0.0008 mg/L was detected in 16 monitoring wells in the study area. Total dissolved methane above a concentration of 2.0 mg/L continues to be found in monitoring wells 2, 4, 9, 14 and 17 (**Table 1 and Figure 4**). Total dissolved methane concentrations of less than 0.0008 mg/L were found in all of the Divide Creek sample locations (**Table 2**).

Isotopic samples were collected and analyzed from monitoring wells 2, 4, 9, 14, 17 and 23 and creek locations DCS-2 and DCS-3 during this monitoring period. The results for these locations are shown in **Appendix F**. All of these estimated thermogenic concentrations are less than the initial concentrations, but have remained stable at the estimated concentrations since 2007 (**Appendix B**). The total dissolved methane concentration for MW-23 was 0.37 mg/L and the thermogenic methane concentration was <0.0008 mg/L, which is consistent to concentrations found in this well during other monitoring periods.

Divide Creek Seep Remediation Status

The air sparge remediation system was operated during this quarter with minimum downtime. Monitoring has continuously shown that the air sparge remediation system has successfully contained migration of the hydrocarbon plume with the treatment time of 12 hr/day. The treatment time was reduced to 8 hr/day in December. The data continues to indicate the hydrocarbon concentrations are below the lower laboratory reporting limits within and downgradient of the area of the treatment wells. Olsson will continue to evaluate remedial options in the area upgradient of the present air sparge array. An air sparging line was reinstalled in MW-4 and was operated continuously for the quarter. The data indicates that the air treatment has been effective in reducing hydrocarbon concentrations in the well (**Appendix B**). The air treatment in this well will continue until the spring quarter.

Benzene concentrations greater than the state standard and total dissolved methane concentrations greater than 1 mg/L in groundwater are primarily located within 250 feet of the seep and upgradient of the treatment system. Total dissolved methane concentrations have been reduced significantly downgradient of the remediation system. Concentrations of benzene in the area of treatment influence have shown decreases at MW-1 from 470 ug/L to <1 ug/L and at MW-8 from 120 ug/L to <1 ug/L since treatment began in 2005.

Planned Activities for the Next Quarter

The following activities are planned for the next quarter:

- Obtain water levels from all monitoring wells;
- Sample all monitoring well and surface-water locations and the Eicher domestic well for analyses of BTEX, total dissolved methane, chloride and sulfide;
- Obtain water quality samples for methane isotopic analysis at monitoring locations that have historically shown total dissolved methane concentrations greater than 1.0 mg/L at monitoring wells MW-2,4,9,14,and 17;
- Continue with the air treatment of MW-4; and
- Perform maintenance on the air sparge system and associated wells.

Olsson appreciates the opportunity to provide services to EnCana Oil & Gas (USA) Inc. If you have any questions or concerns regarding this information, please contact me at (303) 237-2072.

Sincerely,

Brad Stephenson, P.G.
Senior Hydrogeologist

cc: Linda Spry O'Rourke
Lisa Bracken
Steve Thompson
Pepi Langegger
Kathy Friesen

Attachments

TABLES

Table 1

Summary of December 2009 Groundwater Analytical Results and Groundwater Elevations
EnCana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	Groundwater Elevation (ft-msl)
Colorado GWQSs (ug/L)		5	1000	680	10000			
MW-01	15-Dec-09	< 1	< 2	< 2	< 2	0.0190		5952.19
MW-02	15-Dec-09	**110**	< 2	2.0	30.4	9.1	7.1	5953.48
MW-04	15-Dec-09	**35**	< 2	< 2	21.4	8.8		5955.01
MW-06	15-Dec-09	< 1	< 2	< 2	< 2	0.0051		5947.94
MW-07	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5951.37
MW-08	15-Dec-09	< 1	< 2	< 2	< 2	0.083		5949.89
MW-09	15-Dec-09	2.0	< 2	< 2	< 2	9.2	6.4	5960.76
MW-11	15-Dec-09	< 1	< 2	< 2	< 2	0.019		5965.43
MW-12	15-Dec-09	< 1	< 2	< 2	< 2	0.07		5961.84
MW-13	15-Dec-09							PLUGGED
MW-14	15-Dec-09	1.9	< 2	< 2	< 2	5.7	3.4	5960.03
MW-15	15-Dec-09							FLOODED
MW-16	15-Dec-09	< 1	< 2	< 2	< 2	0.76		5954.55
MW-16D	15-Dec-09	< 1	< 2	< 2	< 2	0.75		5954.55
MW-17	15-Dec-09	**25**	< 2	< 2	< 2	3.2	1.5	5950.09
MW-18	15-Dec-09	< 1	< 2	< 2	< 2	0.042		5948.33
MW-19	15-Dec-09							FLOODED
MW-20	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5944.88
MW-21	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5945.21
MW-22	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5946.48
MW-23	16-Dec-09	< 1	< 2	< 2	< 2	0.37	<0.0008	5936.57
MW-24	16-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5949.39
MW-25	15-Dec-09							FROZEN
MW-26	16-Dec-09	< 1	< 2	< 2	< 2	0.27		5953.05
MW-26D	16-Dec-09	< 1	< 2	< 2	< 2	0.33		5953.05
MW-27	16-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5947.32
EICH2	16-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		

160 - **Bold** exceeds Colorado Groundwater Quality Standards (GWQS)
ug/L - micrograms/Liter
mg/L - milligrams/Liter
Blank cell - not analyzed/not collected
ft-msl - feet above mean sea level
D - Duplicate sample
< - Not detected above indicated reporting level
BTEX analyzed by EPA Method 8021
Total Dissolved Methane analyzed by EPA Method RSK175M

Table 2

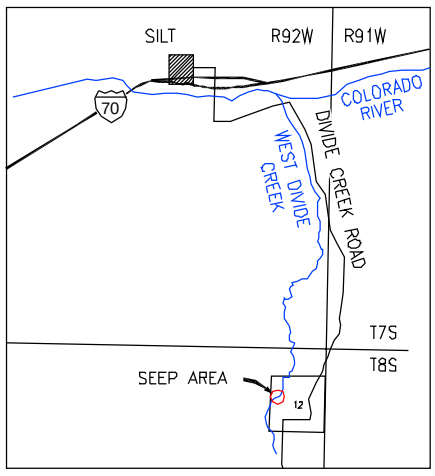
Summary of Surface-Water Analytical Results for December 2009
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado GWQSs (ug/L)		5	1000	680	10,000		
DCS-1	16-Dec-09	<1	<2	<2	<2	0.0013	
DCS-2	16-Dec-09	<1	<2	<2	<2	0.0032	0.002
DCS-3	16-Dec-09	<1	<2	<2	<2	0.0016	0.001
DCS-4	16-Dec-09	<1	<2	<2	<2	0.0063	
DCS-5	16-Dec-09	<1	<2	<2	<2	0.006	
DCS-6	16-Dec-09	<1	<2	<2	<2	0.0077	
DCS-7	16-Dec-09	<1	<2	<2	<2	0.0069	
DCS-8	16-Dec-09	<1	<2	<2	<2	0.0058	

200 - **Bold** exceeds Colorado Groundwater Quality Standards (GWQS)
ug/L - micrograms/liter
mg/L - milligrams/Liter
Blank cell - not analyzed/not collected
D - Duplicate Sample
< - Not detected above indicated reporting level
BTEX analyzed by EPA Method 8021
Total Dissolved Methane analyzed by EPA Method RSK175M

FIGURES

M:\clients\CORDILLERAN\Divide Creek\Basemaps\Rem-Phase-Basemap.dwg Layout: Layout1



588°11'12"W - 2620.17' (Meas.)

Section Line

North 1/4 Corner
Section 12
(1987 Brass Cap)

Site Boundary

Langegger
NE 1/4 NW 1/4

NW 1/4 NW 1/4

Eicher

MW27

Eich1

Eich2

MW23

Thompson

Water Well 2

MW24

N00°07'06"E (Basis of Bearings) 2626.37' (Meas.)

1/16 Section Line

NW 1/4

MW21

MW20

DCS8

MW18

MW22

DCS7

West Divide Creek

DCS6

MW26

MW8

MW17

AS-13

AS-14

AS-15

AS-8

AS-9

AS-10

AS-11

AS-7

AS-2

MW7

AS-1

AS-5

AS-3

AS-4

AS-18

Cabin

MW16

MW1

MW6

DCS5

Pond

Langegger
SW 1/4 NW 1/4

E. Multa Trina Ditch

MW-2

MW15

DCS4

DCS1

MW4

AS-16

DCS2

DCS3

MW9

MW14

MW12

Marshland

MW11

MW19

MW25

MW13

Section Line

1/16 Section Line

Langegger
SE 1/4 NW 1/4

Site Boundary

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

LEGEND

- = SECTION CORNERS FOUND
- = TRAIL
- = ROAD
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- X = DIVIDE CREEK SAMPLE LOCATION
- = MONITORING WELL LOCATION
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION

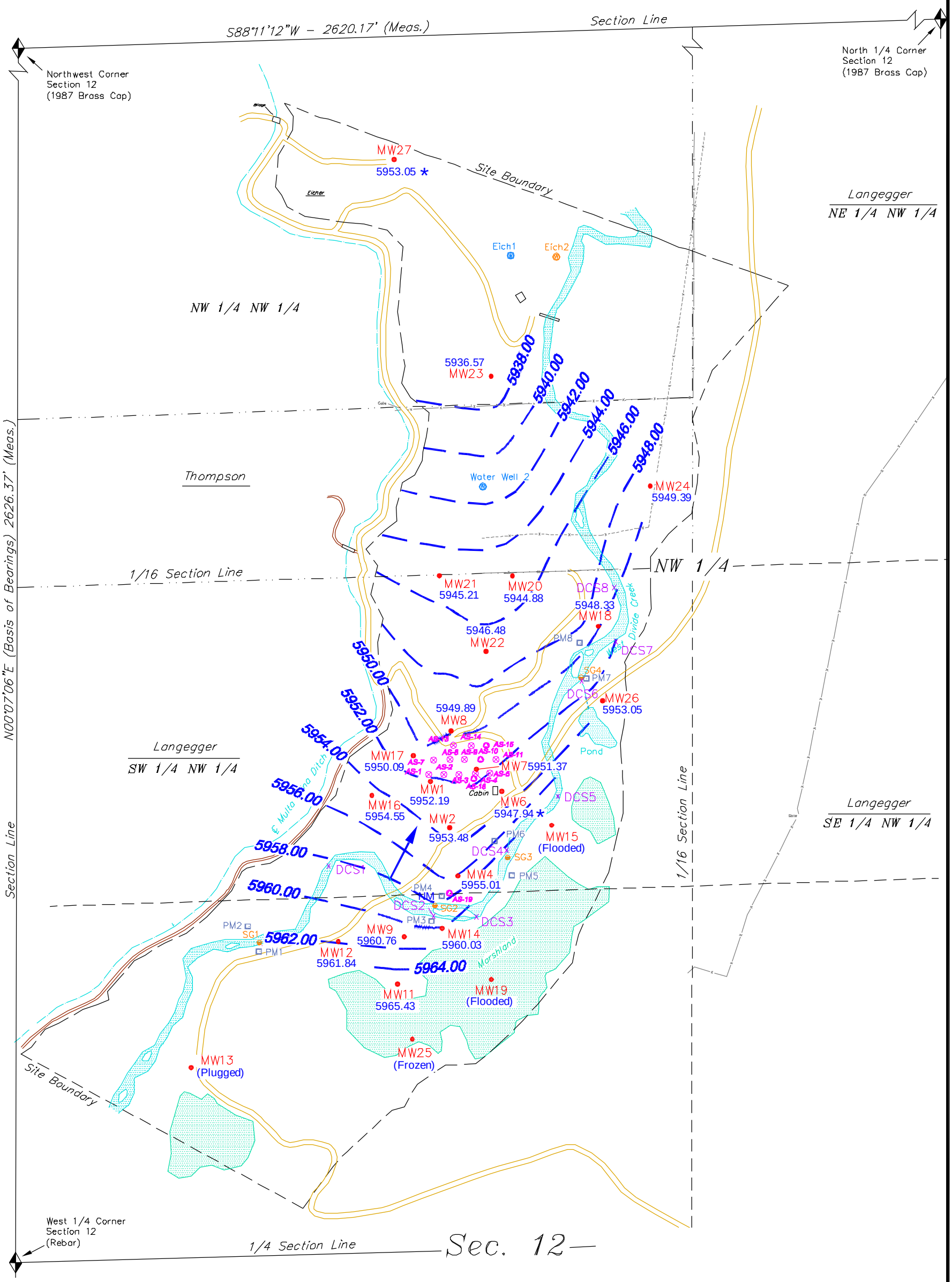
N

0 100 200

SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA SITE LOCATION MAP	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE
DRAWM BY: FR			1
DATE:. 3/10/10			

M:\clients\CORDILLERAN\Divide Creek\Investigation\Dec-09\DC-G1209.dwg Layout: Layout1



LEGEND

- = SECTION CORNERS FOUND
- = TRAIL
- = ROAD
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE

- X = DIVIDE CREEK SAMPLE
- = MONITORING WELL LOCATION
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION
- 5950 = GROUNDWATER ELEVATION CONTOUR (FEET)
- 5950.09 = GROUNDWATER ELEVATION (FEET)
- = GROUNDWATER FLOW DIRECTION
- * = DATA NOT USED IN CONTOURING

N

0 100 200
SCALE IN FEET

PROJECT NO: 008-2067 DRAWN BY: FR DATE:. 3/10/10	WEST DIVIDE CREEK SEEP AREA GROUNDWATER ELEVATION MAP DECEMBER 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE 2

W:\clients\GARFIELD\Divide Creek Investigation\Dec-09\DC-B1209.dwg-Layout1 03/15/2010 10:55AM

588°11'12"W - 2620.17' (Meas.)

Section Line

Northwest Corner
Section 12
(1987 Brass Cap)

North 1/4 Corner
Section 12
(1987 Brass Cap)

N00°07'06"E (Basis of Bearings) 2626.37' (Meas.)

Section Line

1/16 Section Line

1/16 Section Line

NW 1/4

Site Boundary

Site Boundary

Thompson

Langegger
NE 1/4 NW 1/4

Langegger
SW 1/4 NW 1/4

Langegger
SE 1/4 NW 1/4

NW 1/4 NW 1/4

Eicher

Cabin

Pond

Marshland

E Multa Trina Ditch

West Divide Creek

Bridge

Gate

Water Well 2

MW27 <1.0

Eich1

Eich2 <1.0

MW23 <1.0

MW24 <1.0

MW21 <1.0

MW20 <1.0

MW18 <1.0

MW22 <1.0

MW26 <1.0

MW8 <1.0

MW17 25

MW7 <1.0

MW16 <1.0

MW1 <1.0

MW6 <1.0

MW2 110

MW15 (Flooded)

MW4 35

MW12 <1.0

MW9 2.0

MW14 1.9

MW11 <1.0

MW19 (Flooded)

MW25 (Frozen)

MW13 (Plugged)

DCS1 DCS2 DCS3 DCS4 DCS5 DCS6 DCS7 DCS8

AS-1 AS-2 AS-3 AS-4 AS-5 AS-8 AS-9 AS-10 AS-11 AS-13 AS-14 AS-15 AS-16

<1.0 5 50 100

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

LEGEND

- = SECTION CORNERS FOUND
- = TRAIL
- = ROAD
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- 100 = BENZENE CONCENTRATION CONTOUR IN µg/L
- 100 = BENZENE CONCENTRATION IN µg/L
- NS = NOT SAMPLED
- X = DIVIDE CREEK SAMPLE LOCATION
- = MONITORING WELL LOCATION
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION

N

0 100 200
SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA BENZENE CONCENTRATIONS DECEMBER 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE
DRAWN BY: RJV			3
DATE:. 3/10/10			

M:\clients\CORDILLERAN\Divide Creek\Investigation\Dec-09\DC-TM1209.dwg Layout: Layout1

588°11'12"W - 2620.17' (Meas.)

Section Line

Northwest Corner
Section 12
(1987 Brass Cap)

North 1/4 Corner
Section 12
(1987 Brass Cap)

MW27
<0.0008

Site Boundary

Eicher

Langegger
NE 1/4 NW 1/4

Eich1

Eich2
<0.0008

NW 1/4 NW 1/4

MW23
0.37

Thompson

Water Well 2

MW24
<0.0008

N00°07'06"E (Basis of Bearings) 2626.37' (Meas.)

1/16 Section Line

NW 1/4

MW21
<0.0008

MW20
<0.0008

DCS8
0.042
MW18

West Divide Creek

DCS7

MW22
<0.0008

DCS6

MW26
0.27

0.083
MW8

Langegger
SW 1/4 NW 1/4

MW17
3.2

E Multa Trina Ditch

Pond

MW7 <0.0008

MW1
0.0190

MW16
0.76

Cabin

MW6
0.0051

DCS5

Section Line

MW2
9.1

MW15
(Flooded)

<1.0

5.0

10.0

DCS1

DCS4

MW4
8.8

1/16 Section Line

Langegger
SE 1/4 NW 1/4

DCS2

DCS3

MW12
0.07

MW9
9.2

MW14
5.7

Marshland

MW11
0.019

MW19
(Flooded)

MW25
(Frozen)

MW13
(Plugged)

Site Boundary

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

LEGEND

- = SECTION CORNERS FOUND
- = TRAIL
- = ROAD
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- — 5.0 — = THERMOGENIC & BIOGENIC METHANE CONCENTRATION CONTOUR IN mg/L
- 5.7 = THERMOGENIC & BIOGENIC METHANE CONCENTRATION IN mg/L
- NS = NOT SAMPLED
- * = DATA NOT USED IN CONTOURING
- X = DIVIDE CREEK SAMPLE
- = MONITORING WELL LOCATION
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION

N

0 100 200
SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA TOTAL DISSOLVED METHANE CONCENTRATIONS DECEMBER 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES	FIGURE
DRAWN BY: FR		4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	4
DATE:. 3/10/10			

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S88°11'12"W - 2620.17' (Meas.)

Section Line

Northwest Corner
Section 12
(1987 Brass Cap)

North 1/4 Corner
Section 12
(1987 Brass Cap)

N00°01'37"E (Meas.) 2626.37' (Basis of Bearings)

Section Line

1/16 Section Line

Site Boundary

NW 1/4

NW 1/4 NW 1/4

NE 1/4 NW 1/4

SW 1/4 NW 1/4

SE 1/4 NW 1/4

Langegger

Thompson

Bridge

Eicher

Water Well 2

Pond

Cabin

Marshland

E. Multa Trib Ditch

West Divide Creek

Site Boundary

1/4 Section Line

West 1/4 Corner
Section 12
(Rebar)

Sec. 12

MW1 | 3/09 | 6/09 | 9/09 | 12/09
B | 13 | <1.0 | 41 | 25
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 2.2 | 0.0027 | 4.2 | 3.2

MW2 | 3/09 | 6/09 | 9/09 | 9/09 (Dup) | 12/09 | 12/09 (Dup)
B | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
M | 1.4 | 0.076 | 1.8 | 1.5 | 0.76 | 0.75

MW3 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0011 | 0.002 | <0.0008

MW4 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.00089 | 0.0008 | 0.0008

MW5 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | <0.0008 | 0.0022 | 0.0190

MW6 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 0.37 | <0.0008 | <0.0008 | 0.0011 | 0.37

MW7 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.087 | 0.1 | <0.0008

MW8 | 3/09 | 6/09 | 6/09 (Dup) | 9/09 | 12/09
B | 93 | 110 | 94 | 160 | 110
T | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | 2.5 | 2.0
X | 13 | 28.8 | 24.1 | 20.1 | 30.4
M | 6.1 | 8.3 | 9.2 | 7.5 | 9.1

MW9 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 0.0073 | 0.037 | 0.16 | 0.019

MW10 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | 1.0 | 1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 0.13 | 0.25 | 3.7 | 0.07

MW11 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 0.22 | 0.015 | <0.0008 | 0.083

MW12 | 3/09-12/09
B | <1.0
T | <2.0
E | <2.0
X | <2.0
M | <0.0008

MW13 (Plugged)

MW14 | 3/09 | 3/09 (Dup) | 3/09 (Split) | 6/09 | 7/09 | 9/09 | 12/09
B | 81 | 83 | 73 | 5.4 | 27 | 100 | 35
T | <2.0 | <2.0 | <1.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <1.0 | <2.0 | 2.2 | 3.70 | <2.0
X | 17.3 | 18.5 | 15.7 | 7 | 21.6 | 32.9 | 21.4
M | 9.2 | 9.1 | 5.99 | 6.8 | 10 | 8.1 | 8.8

MW15 (Flooded) | 3/09 | 6/09 | 9/09 | 12/09
B | 1.0 | <1.0 | 1.9 | 1.9
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 7.0 | 5.6 | 5.7 | 5.7

MW16 | 3/09 | 6/09 | 7/09 | 9/09 | 12/09
B | 2.3 | 1.6 | 2.5 | 1.3 | 2.0
T | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
M | 8.1 | 7.2 | 8.2 | 6.6 | 9.2

MW17 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | <0.0008 | 0.0028 | <0.0008

MW18 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.81 | <0.0008 | 0.042

MW19 (Flooded) | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | 1.0 | 1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | 0.13 | 0.25 | 3.7 | 0.07

MW20 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | <0.0008 | 0.0015 | <0.0008

MW21 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.014 | 0.6 | <0.0008

MW22 | 3/09 | 6/09 | 9/09 | 12/09 | 12/09 (Dup)
B | <1.0 | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008

MW23 | 3/09 | 6/09 | 9/09 | 9/09 (Dup) | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
M | 0.37 | <0.0008 | <0.0008 | 0.0011 | 0.37

MW24 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.014 | 0.6 | <0.0008

MW25 (Frozen)

MW26 | 3/09 | 6/09 | 9/09 | 12/09 | 12/09 (Dup)
B | <1.0 | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0 | <2.0
M | 0.14 | 0.33 | 0.049 | 0.27 | 0.33

MW27 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | <0.0008 | 0.0015 | <0.0008

Eich1 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.087 | 0.1 | <0.0008

Eich2 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.087 | 0.1 | <0.0008

DCS1 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS2 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS3 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS4 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS5 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS6 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS7 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

DCS8 | 3/09 | 6/09 | 9/09 | 12/09
B | <1.0 | <1.0 | <1.0 | <1.0
T | <2.0 | <2.0 | <2.0 | <2.0
E | <2.0 | <2.0 | <2.0 | <2.0
X | <2.0 | <2.0 | <2.0 | <2.0
M | <0.0008 | 0.0008 | 0.0008 | 0.0008

AS-1 AS-2 AS-3 AS-4 AS-5 AS-6 AS-7 AS-8 AS-9 AS-10 AS-11 AS-13 AS-14 AS-15 AS-16 AS-19

LEGEND

- = SECTION CORNERS FOUND
- = TRAIL
- = ROAD
- x = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- X = DIVIDE CREEK SAMPLE LOCATION
- = MONITORING WELL LOCATION
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION

CHEMICAL DATA

- B = BENZENE (µg/l)
- T = TOLUENE (µg/l)
- E = ETHYLBENZENE (µg/l)
- X = XYLENES (µg/l)
- M = TOTAL METHANE (mg/L)

N

0 100 200

SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA BTEX CONCENTRATIONS DECEMBER 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE
DRAWN BY: FR			5
DATE:. 3/10/10			

APPENDIX A

Field Data
included as .pdf file on CD in back

Appendix A
Field Data for June 2009
Encana, West Divide Creek Seep
Garfield County, Colorado

Date	SampleName	Temp_Field	SpCond_Field	DO_Field	pH_Field	TDS_Field	DO_Percent	Turbidity_Field	DTW	DTW_Ref_Pt
16-Dec-09	EICH2WW	4.84	0.924	1.05	6.67	0.6	4.8	33.6	-88.8	
16-Dec-09	MW23	7.29	1.760	1.30	6.30	1.1	17.7	450	16.12	
16-Dec-09	MW27	6.44	1.445	1.82	7.00	0.9	17.8	324	8.90	
16-Dec-09	DCS1	-0.23	1.063	12.45	8.21	0.7	102.3	12.6	-88.8	
16-Dec-09	DCS2	-0.07	1.110	11.42	7.82	0.7	94.3	20.8	-88.8	
16-Dec-09	DCS3	-0.08	1.112	11.46	7.83	0.7	94.6	27.8	-88.8	
16-Dec-09	DCS4	-0.21	1.054	12.16	8.11	0.7	100.2	12	-88.8	
16-Dec-09	DCS5	-0.16	1.049	11.99	8.11	0.7	98.8	10.9	-88.8	
16-Dec-09	DCS6	-0.20	1.043	11.90	8.08	0.7	98.2	13.1	-88.8	
16-Dec-09	DCS7	-0.19	1.040	12.00	8.05	0.7	98.9	10.1	-88.8	
16-Dec-09	DCS8	-0.18	1.037	13.08	8.17	0.7	107.0	24	-88.8	
15-Dec-09	MW1	7.70	1.071	4.86	7.55	0.7	47.2	1431	6.60	
15-Dec-09	MW11	4.62	0.655	1.19	6.67	0.4	11.1	239	4.23	
15-Dec-09	MW12	4.13	1.024	0.91	6.54	0.7	9.0	162	1.76	
15-Dec-09	MW14	4.14	0.783	1.67	6.67	0.5	15.4	2000	5.03	
15-Dec-09	MW16	10.15	1.017	2.28	7.89	0.7	24.4	142	5.90	
15-Dec-09	MW16D	10.15	1.017	2.28	7.89	0.7	24.4	142	5.90	
15-Dec-09	MW17	10.68	1.181	2.78	7.57	0.8	29.6	5999	8.40	
15-Dec-09	MW18	6.72	0.826	1.51	6.74	0.5	14.8	232	4.10	
15-Dec-09	MW2	9.82	0.794	1.60	7.45	0.5	16.8	2000	5.80	
15-Dec-09	MW20	6.94	0.000	4.44	7.14	0.0	4.3	653	9.00	
15-Dec-09	MW21	7.14	1.108	1.56	6.86	0.7	15.4	874	24.24	
15-Dec-09	MW22	7.47	0.922	1.95	6.61	0.6	19.6	744	10.60	
16-Dec-09	MW24	6.60	0.769	1.45	6.72	0.5	14.2	78.7	5.52	
15-Dec-09	MW25	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	
16-Dec-09	MW26	6.28	0.758	1.53	7.33	0.5	15.2	2000	1.60	
16-Dec-09	MW26D	6.28	0.758	1.53	7.33	0.5	15.2	2000	1.60	
15-Dec-09	MW4	11.11	0.746	1.34	7.68	0.5	14.3	102	8.40	
15-Dec-09	MW6	10.12	0.910	2.10	7.20	0.6	23.1	244	12.00	
15-Dec-09	MW7	9.61	1.029	3.53	7.35	0.7	37.2	1283	7.60	
15-Dec-09	MW8	10.78	1.119	2.33	7.50	0.7	26.0	310	9.40	
15-Dec-09	MW9	2.74	0.736	1.36	6.81	0.5	12.1	131	4.37	

Appendix A
Field Data for June 2009
Encana, West Divide Creek Seep
Garfield County, Colorado

Date	SampleName	Sample Description	Sampler	SampleSource
16-Dec-09	EICH2WW	Domestic well	SH	Well
16-Dec-09	MW23	Divide Creek monitoring well #23	SH	Well
16-Dec-09	MW27	Divide Creek monitoring well #27	SH	Well
16-Dec-09	DCS1	Divide Creek monitoring station 1	JV	Stream
16-Dec-09	DCS2	Divide Creek monitoring station 2	SH	Stream
16-Dec-09	DCS3	Divide Creek monitoring station 3	SH	Stream
16-Dec-09	DCS4	Divide Creek monitoring station 4	JV	Stream
16-Dec-09	DCS5	Divide Creek monitoring station 5	JV	Stream
16-Dec-09	DCS6	Divide Creek monitoring station 6	JV	Stream
16-Dec-09	DCS7	Divide Creek monitoring station 7	JV	Stream
16-Dec-09	DCS8	Divide Creek monitoring station 8	JV	Stream
15-Dec-09	MW1	Divide Creek monitoring well #1	JV	Well
15-Dec-09	MW11	Divide Creek monitoring well #11	SH	Well
15-Dec-09	MW12	Divide Creek monitoring well #12	SH	Well
15-Dec-09	MW14	Divide Creek monitoring well #14	SH	Well
15-Dec-09	MW16	Divide Creek monitoring well #16	JV	Well
15-Dec-09	MW16D	Divide Creek monitoring well #16	JV	Well
15-Dec-09	MW17	Divide Creek monitoring well #17	JV	Well
15-Dec-09	MW18	Divide Creek monitoring well #18	SH	Well
15-Dec-09	MW2	Divide Creek monitoring well #2	JV	Well
15-Dec-09	MW20	Divide Creek monitoring well #20	SH	Well
15-Dec-09	MW21	Divide Creek monitoring well #21	SH	Well
15-Dec-09	MW22	Divide Creek monitoring well #22	SH	Well
16-Dec-09	MW24	Divide Creek monitoring well #24	SH	Well
15-Dec-09	MW25	Divide Creek monitoring well #25	SH	Well
16-Dec-09	MW26	Divide Creek monitoring well #26	JV	Well
16-Dec-09	MW26D	Divide Creek monitoring well #26	JV	Well
15-Dec-09	MW4	Divide Creek monitoring well #4	JV	Well
15-Dec-09	MW6	Divide Creek monitoring well #6	JV	Well
15-Dec-09	MW7	Divide Creek monitoring well #7	JV	Well
15-Dec-09	MW8	Divide Creek monitoring well #8	JV	Well
15-Dec-09	MW9	Divide Creek monitoring well #9	SH	Well

APPENDIX B

Historical Groundwater Results
included as .pdf file on CD in back

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-01	09-Jul-04	**220**	NA	NA	NA	11			
MW-01	22-Jul-04	**470**	NA	NA	NA	9.9		4.09	5954.70
MW-01	03-Aug-04	**460**	310	10	96	6		9.54	5949.25
MW-01	19-Aug-04	NS	NS	NS	NS	NS		9.96	5948.83
MW-01	15-Sep-04	**330**	130	8.1	53	8.6	6.9	10.32	5948.47
MW-01	13-Oct-04	**190**	31	5.3	18.3	7.4		9.87	5948.92
MW-01	09-Nov-04	**88**	<2	3.1	<2	5.3		9.70	5949.09
MW-01	14-Dec-04	**35**	<2	<2	<2	5.9		9.23	5949.56
MW-01	12-Jan-05	**10**	<2	<2	<2	4.7	3.5	8.63	5950.16
MW-01	09-Feb-05	**14**	<2	<2	<2	2.9	2.3	8.81	5949.98
MW-01	08-Mar-05	4.8	<2	<2	<2	2.6		8.96	5949.83
MW-01	12-Apr-05	<1	<2	<2	<2	0.38		5.73	5953.06
MW-01	10-May-05	<1	<2	<2	<2	0.38	0.3	5.19	5953.60
MW-01	08-Jun-05	<1	<2	<2	<2	<0.0008		3.03	5955.76
MW-01	12-Jul-05	<1	<2	<2	<2	<0.0008		4.13	5954.66
MW-01	09-Aug-05	<1	<2	<2	<2	0.11		5.36	5953.43
MW-01	12-Sep-05	<1	<2	<2	<2	0.068	0.0	6.18	5952.61
MW-01	11-Oct-05	<1	<2	<2	<2	0.17			
MW-01	08-Nov-05	<1	<2	<2	<2	0.12		6.47	5952.32
MW-01	08-Dec-05	<1	<2	<2	<2	0.086		6.72	5952.07
MW-01	11-Jan-06	<1	<2	<2	<2	0.055	0.0	6.31	5952.48
MW-01	15-Mar-06	<1	<2	<2	<2	0.0086		6.01	5952.78
MW-01	12-Apr-06	<1	<2	<2	<2	<0.0008		5.42	5953.37
MW-01	09-May-06	<1	<2	<2	<2	<0.0008		4.45	5954.34
MW-01	12-Jun-06	<1	<2	<2	<2	0.011			
MW-01	07-Sep-06	<1	<5	<2	<2	0.15		7.60	5951.19
MW-01	05-Dec-06	<1	<2	<2	<2	0.00085		6.68	5952.11
MW-01	13-Mar-07	<1	<2	<2	<2	0.0023		6.10	5952.69
MW-01	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-01	11-Sep-07	<0.5	<0.5	<0.5	<0.5	0.000144		7.95	5950.84
MW-01	11-Sep-07	<1	<2	<2	<2	0.001		7.95	5950.84
MW-01	18-Dec-07	<1	<2	<2	<2	0.0022		6.83	5951.96
MW-01	04-Mar-08	<1	<2	<2	<2	<0.0008		5.85	5952.94
MW-01	17-Jun-08	<1	<2	<2	<2	<0.0008		3.33	5955.46
MW-01	30-Sep-08	<1	4.1	<2	<2	<0.0008		7.50	5951.29
MW-01	09-Dec-08	<1	<2	<2	<2	0.18		6.65	5952.14
MW-01	17-Mar-09	<1	<2	<2	<2	0.0065		6.32	5952.47
MW-01	15-Jun-09	<1	<2	<2	<2	<0.0008		4.10	5954.69
MW-01	16-Sep-09	<1	<2	<2	<2	0.0022		7.24	5951.55
MW-01	15-Dec-09	< 1	< 2	< 2	< 2	0.019		6.60	5952.19
MW-02	09-Jul-04	**240**	NA	NA	NA	12			
MW-02	22-Jul-04	**240**	NA	NA	NA	12		5.60	5953.68
MW-02	03-Aug-04	**420**	400	<2	96	4.4		9.10	5950.18
MW-02	19-Aug-04	NS	NS	NS	NS	NS		9.00	5950.28
MW-02	15-Sep-04	**340**	240	10	95	11	9.5	9.02	5950.26
MW-02	13-Oct-04	**370**	110	9	78	5.8		8.70	5950.58
MW-02	09-Nov-04	**390**	<2	<2	<2	3.3		8.70	5950.58
MW-02	13-Dec-04	**270**	46	8.2	56.4	3.8		8.54	5950.74
MW-02	12-Jan-05	**370**	4.5	6.5	27.1	6.9	6.5	8.47	5950.81
MW-02	09-Feb-05	**420**	<10	<10	<10	3	2.6	4.09	5955.19
MW-02	09-Feb-05	**420**	2.4	8.6	43.5	2.6	3.0	11.95	5947.33
MW-02	09-Feb-05	**340**	<5	6.7	33	0.65		4.09	5955.19
MW-02	08-Mar-05	**280**	<10	<10	<10	4.4		8.82	5950.46
MW-02	12-Apr-05	**360**	<2	<2	<2	6.8		5.01	5954.27
MW-02	09-May-05	**330**	<10	<10	<10	5.9	5.4	4.49	5954.79
MW-02	08-Jun-05	**98**	<2	3.4	23.6	6.4		3.22	5956.06
MW-02	12-Jul-05	**180**	2.8	4.5	30.4	3.8		7.67	5951.61

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-02	09-Aug-05	**430**	33	13	113	7.3		5.01	5954.27
MW-02	12-Sep-05	**270**	<10	<10	<10	4.9	4.3	5.31	5953.97
MW-02	11-Oct-05	**350**	<10	<10	<10	5.9			
MW-02	07-Nov-05	**290**	32	<10	<10	3.5			
MW-02	07-Dec-05	**270**	<10	<10	<10	5.1		5.12	5954.16
MW-02	07-Dec-05	**290**	35	8.1	49	8.4		5.12	5954.16
MW-02	07-Dec-05	**290**	<10	<10	<10	6.5		5.12	5954.16
MW-02	11-Jan-06	**340**	<2	8.8	62.5	9		5.13	5954.15
MW-02	11-Jan-06	**174**	<2	4.9	36.9	3.1		5.13	5954.15
MW-02	11-Jan-06	**310**	<2	8.5	63.9	8	6.8	5.13	5954.15
MW-02	14-Feb-06	**219**	<2	5.8	37.3	9.3		5.19	5954.09
MW-02	15-Mar-06	**200**	<2	4.8	26.8	0.013		4.98	5954.30
MW-02	12-Apr-06	**210**	<2	6.6	45.7	7.3		4.51	5954.77
MW-02	09-May-06	**240**	<2	7.2	53.6	4.1		4.05	5955.23
MW-02	12-Jun-06	**280**	<2	11	93	12			
MW-02	07-Sep-06	**240**	<25	<10	<10	7.1	5.7	9.05	5950.23
MW-02	05-Dec-06	**260**	<2	5.3	22.6	6.7	4.3	5.42	5953.86
MW-02	12-Mar-07	**230**	<2	5.8	37.8	7.8	6.1	5.20	5954.08
MW-02	12-Mar-07	**250**	<2	6.5	43.4	9.4		5.20	5954.08
MW-02	12-Mar-07	**212**	<2	8.05	51.43	0.0691		5.20	5954.08
MW-02	20-Jun-07	**220**	<2	5.3	36.1	6.1			
MW-02	20-Jun-07	**190**	NA	4.6	31.6	4.5			
MW-02	20-Jun-07	**94**	<0.25	5.5	43.49	0.979			
MW-02	12-Sep-07	**260**	<2	8.1	51.2	3.5	2.7	6.13	5953.15
MW-02	18-Dec-07	**180**	<2	4.3	29.8	7.4		5.42	5953.86
MW-02	03-Mar-08	**120**	<2	2.6	<2	5.8	3.6	4.91	5954.37
MW-02	03-Mar-08	**186**	<0.5	5.1	<0.5	1.86		4.91	5954.37
MW-02	17-Jun-08	**230**	<2	10	98	6.6	4.9	4.02	5955.26
MW-02	01-Oct-08	**160**	<2	4.6	27.8	4.7	3.5	6.40	5952.88
MW-02	10-Dec-08	**140**	<2	4	32	7.3	5.4	6.00	5953.28
MW-02	17-Mar-09	**93**	<2	<2	13	6.1	3.4	5.50	5953.78
MW-02	15-Jun-09	**110**	<2	<2	28.8	8.3	6.6	4.45	5954.83
MW-02	15-Jun-09	**94**	<2	<2	24.1	9.2	7.3	4.45	5954.83
MW-02	16-Sep-09	**160**	<2	2.5	20.1	7.5	5.7	9.00	5950.28
MW-02	15-Dec-09	**110**	< 2	2.0	30.4	9.1	7.1	5.80	5953.48
MW-04	12-Jan-04	**320**	35	8.1	49	6.1			5963.41
MW-04	09-Jul-04	**230**	NA	NA	NA	11			
MW-04	22-Jul-04	**440**	NA	NA	NA	11		8.46	5954.95
MW-04	03-Aug-04	**400**	160	<2	87	6.7		8.60	5954.81
MW-04	15-Sep-04	**240**	59	6.7	60	27		8.41	5955.00
MW-04	15-Sep-04	**320**	76	9.5	80.5	9.2	7.4	8.41	5955.00
MW-04	15-Sep-04	**330**	76	9.1	77.1	8.6		8.41	5955.00
MW-04	14-Oct-04	**210**	<50	6.1	37	4.4		8.38	5955.03
MW-04	14-Oct-04	**300**	51	9	59	9.3		8.38	5955.03
MW-04	14-Oct-04	**300**	37	9	55.2	5.6		8.38	5955.03
MW-04	09-Nov-04	**290**	41	<2	<2	9.1		4.90	5958.51
MW-04	02-Dec-04	**280**	19	<10	<10	14			
MW-04	08-Dec-04	**280**	110	7.8	72	17			
MW-04	13-Dec-04	**240**	33	12	97	7.8		7.93	5955.48
MW-04	13-Dec-04	**270**	36	8.1	64.9	14		7.93	5955.48
MW-04	13-Dec-04	**270**	37	7.7	62.6	12		7.93	5955.48
MW-04	12-Jan-05	**350**	68	11	71.9	14	11.9	7.40	5956.01
MW-04	12-Jan-05	**360**	40	11	62.3	14		7.40	5956.01
MW-04	09-Feb-05	**280**	57	8.5	52.7	10	8.5	8.02	5955.39
MW-04	08-Mar-05	**350**	160	<10	79	9.8		8.02	5955.39
MW-04	12-Apr-05	**130**	33	<2	<2	8.9		8.39	5955.02
MW-04	12-Apr-05	**130**	52	<2	<2	10		8.39	5955.02

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-04	12-Apr-05	**280**	<1200	<120	NA	8.7		8.39	5955.02
MW-04	09-May-05	**310**	66	11	16	10	8.6	7.23	5956.18
MW-04	09-May-05	**320**	77	11	16	11		7.23	5956.18
MW-04	08-Jun-05	**180**	17	4.7	4.3	12		7.25	5956.16
MW-04	11-Jul-05	0.69	<1200	<120	NA	<1		7.83	5955.58
MW-04	11-Jul-05	**170**	40	3.3	38.7	7.8	6.4	7.83	5955.58
MW-04	11-Jul-05	**180**	32	3.8	34.9	6.1		7.83	5955.58
MW-04	09-Aug-05	**270**	41	<10	69	8.3		8.15	5955.26
MW-04	09-Aug-05	**240**	46	<10	65	8.5		8.15	5955.26
MW-04	09-Aug-05	**170**	29	2.2	62	2.7		8.15	5955.26
MW-04	12-Sep-05	**260**	7.6	8	74	8.8	7.1	8.22	5955.19
MW-04	11-Oct-05	**220**	5.1	6.8	66.4	7.3			
MW-04	08-Nov-05	**300**	<10	<10	96	8.2		8.03	5955.38
MW-04	07-Dec-05	**230**	<10	<10	<10	8.6		7.93	5955.48
MW-04	10-Jan-06	**270**	<2	8	73	8.5		7.98	5955.43
MW-04	10-Jan-06	**97**	<2	<2	37	8.3		7.98	5955.43
MW-04	10-Jan-06	**270**	<2	6.5	71	8.8	7.1	7.98	5955.43
MW-04	14-Feb-06	**249**	<2	9	73.6	8.8		7.98	5955.43
MW-04	15-Mar-06	**260**	<2	8.6	66.6	14		8.04	5955.37
MW-04	12-Apr-06	**220**	<2	8.6	49.9	9.3		7.10	5956.31
MW-04	09-May-06	**150**	2.5	6.3	40	3.7		6.98	5956.43
MW-04	12-Jun-06	**220**	<2	8.3	74	9.2			
MW-04	06-Sep-06	**200**	<2	7.3	68	10	8.2	8.41	5955.00
MW-04	05-Dec-06	**200**	<2	7	70.9	10	7.8	7.99	5955.42
MW-04	12-Mar-07	**220**	<2	7	67.2	9.8		7.85	5955.56
MW-04	12-Mar-07	**200**	NA	6	55.9	7.6		7.85	5955.56
MW-04	12-Mar-07	**172**	<0.25	6.73	69.28	0.0592		7.85	5955.56
MW-04	22-Jun-07	**110**	<2	<2	39.2	6.4			
MW-04	13-Sep-07	**170**	<2	4.8	57.9	5.6		8.52	5954.89
MW-04	18-Dec-07	**170**	<2	3.7	53.4	8.4		8.07	5955.34
MW-04	04-Mar-08	**130**	<2	3.3	31.6	8.5	6.4	7.70	5955.71
MW-04	17-Jun-08	**85**	2.3	<2	23	3.7	2.6	7.65	5955.76
MW-04	01-Oct-08	**110**	<2	<2	33.7	6.2	4.8	8.60	5954.81
MW-04	01-Oct-08	**120**	<2	<2	34.9	5		8.60	5954.81
MW-04	09-Dec-08	**100**	<2	<2	28.4	8.6	6.5	8.35	5955.06
MW-04	16-Mar-09	**81**	<2	<2	17.3	9.2	6.6	8.05	5955.36
MW-04	16-Mar-09	**83**	<2	<2	18.5	9.1	6.5	8.05	5955.36
MW-04	16-Mar-09	**73**	<1	<1	15.7	5.99		8.05	5955.36
MW-04	16-Jun-09	**5.4**	<2	<2	7.0	6.8	5.0	8.00	5955.41
MW-04	14-Jul-09	**27**	<2	2.2	21.6	10		8.09	5955.32
MW-04	16-Sep-09	**100**	<2	3.7	32.9	8.1	6.1	8.58	5954.83
MW-04	15-Dec-09	**35**	< 2	< 2	21.4	8.8		8.40	5955.01
MW-06	09-Jul-04	1.1	NA	NA	NA	0.011			
MW-06	22-Jul-04	0.023	NA	NA	NA	0.023		9.74	5950.20
MW-06	03-Aug-04	1.5	<2	<2	<2	0.083		9.89	5950.05
MW-06	15-Sep-04	<1	<2	<2	<2	0.38	0.4	9.67	5950.27
MW-06	14-Oct-04	<1	<2	<2	<2	0.14		9.48	5950.46
MW-06	10-Nov-04	<1	<2	<2	<2	0.057		9.60	5950.34
MW-06	14-Dec-04	<1	<2	<2	<2	0.054		9.24	5950.70
MW-06	14-Dec-04	<1	<2	<2	<2	0.4		9.24	5950.70
MW-06	14-Dec-04	<0.5	<5	<0.5	NA	0.071		9.24	5950.70
MW-06	13-Jan-05	<1	<2	<2	<2	0.056	0.0	8.87	5951.07
MW-06	09-Feb-05	<1	<2	<2	<2	0.023	0.0	9.06	5950.88
MW-06	08-Mar-05	3.1	<2	<2	<2	0.051		9.15	5950.79
MW-06	12-Apr-05	**6.5**	<2	<2	<2	0.092		6.59	5953.35
MW-06	10-May-05	<1	<2	<2	<2	0.18	0.2	5.82	5954.12
MW-06	08-Jun-05	1.3	<2	<2	<2	0.18		5.55	5954.39

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-06	08-Jun-05	2.5	<2	<2	<2	0.22		5.55	5954.39
MW-06	08-Jun-05	2.2	<5	<0.5	NA	0.024		5.55	5954.39
MW-06	12-Jul-05	<1	<2	<2	<2	0.15			
MW-06	09-Aug-05	<1	<2	<2	<2	0.24		7.72	5952.22
MW-06	12-Sep-05	1.9	<5	<0.5	NA	<0.01		6.81	5953.13
MW-06	12-Sep-05	2	<2	<2	<2	0.12	0.0	6.81	5953.13
MW-06	12-Sep-05	1.9	<2	<2	<2	0.16		6.81	5953.13
MW-06	11-Oct-05	4.3	<2	<2	<2	4			
MW-06	08-Nov-05	3.7	<2	<2	<2	0.17			
MW-06	08-Nov-05	3.6	<2	<2	<2	0.17			
MW-06	08-Nov-05	2.1	<5	<0.5	NA	0.41			
MW-06	07-Dec-05	1.6	<2	<2	<2	0.13		6.88	5953.06
MW-06	11-Jan-06	<1	<2	<2	<2	0.14	0.1	6.94	5953.00
MW-06	14-Feb-06	0.6	<0.5	<0.5	<0.5	0.128		6.91	5953.03
MW-06	14-Feb-06	<0.5	<1	<1	<1	0.077		6.91	5953.03
MW-06	14-Feb-06	<0.5	<1	<1	<1	0.15		6.91	5953.03
MW-06	15-Mar-06	<1	<2	<2	<2	0.092		6.89	5953.05
MW-06	12-Apr-06	1.1	<2	<2	<2	0.046		6.15	5953.79
MW-06	12-Apr-06	1	NA	NA	NA	0.034		6.15	5953.79
MW-06	12-Apr-06	1.12	<0.25	<0.25	<0.25	0.125		6.15	5953.79
MW-06	09-May-06	<1	<2	<2	<2	0.029		5.89	5954.05
MW-06	12-Jun-06	<1	<2	<2	<2	0.0026			
MW-06	07-Sep-06	<0.25	<0.25	<0.25	<0.25	0.00523		7.53	5952.41
MW-06	07-Sep-06	<1	<5	<2	<2	0.038		7.53	5952.41
MW-06	07-Sep-06	<1	NA	<2	<2	0.031		7.53	5952.41
MW-06	05-Dec-06	<1	<2	<2	<2	<0.0008		7.04	5952.90
MW-06	13-Mar-07	<1	<2	<2	<2	0.0021		6.85	5953.09
MW-06	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-06	12-Sep-07	<1	<2	<2	<2	<0.0008		7.95	5951.99
MW-06	17-Dec-07	<0.5	<5	<0.5	<2	0.00846		7.15	5952.79
MW-06	17-Dec-07	<1	<2	<2	<2	0.0081		7.15	5952.79
MW-06	17-Dec-07	<1	<2	<2	<2	0.008		7.15	5952.79
MW-06	03-Mar-08	<1	<2	<2	<2	0.0015		6.75	5953.19
MW-06	17-Jun-08	<1	<2	<2	<2	0.0031		6.20	5953.74
MW-06	30-Sep-08	<1	<2	<2	<2	<0.008		7.60	5952.34
MW-06	30-Sep-08	<1	<2	<2	<2	<0.008		7.60	5952.34
MW-06	09-Dec-08	<1	<2	<2	<2	0.0092	<0.0008	7.25	5952.69
MW-06	16-Mar-09	<1	<2	<2	<2	<0.0008		7.00	5952.94
MW-06	15-Jun-09	<1	<2	<2	<2	0.0071		6.60	5953.34
MW-06	16-Sep-09	<1	<2	<2	<2	0.0014		7.45	5952.49
MW-06	15-Dec-09	< 1	< 2	< 2	< 2	0.0051		12.00	5947.94
MW-07	09-Jul-04	**200**	NA	NA	NA	0.67			5958.97
MW-07	22-Jul-04	**110**	NA	NA	NA	0.53		10.34	5948.63
MW-07	03-Aug-04	**32**	<2	<2	<2	0.73		10.46	5948.51
MW-07	15-Sep-04	**56**	<2	<2	<2	6		11.11	5947.86
MW-07	14-Oct-04	**32**	<2	<2	<2	0.78		10.70	5948.27
MW-07	10-Nov-04	**16**	<2	<2	<2	0.65		10.70	5948.27
MW-07	19-Nov-04	**19**	<2	<2	<2	0.49			
MW-07	23-Nov-04	**17**	<2	<2	<2	0.67			
MW-07	07-Dec-04	<1	<2	<2	<2	0.04			
MW-07	14-Dec-04	**20**	<2	<2	<2	0.55		10.24	5948.73
MW-07	13-Jan-05	**16**	<2	<2	<2	0.53		9.89	5949.08
MW-07	09-Feb-05	**5.7**	<2	<2	<2	0.47		9.91	5949.06
MW-07	08-Mar-05	4.5	<2	<2	<2	0.58		10.06	5948.91
MW-07	20-Apr-05	<1	<2	<2	<2	<0.0008			
MW-07	10-May-05	<1	<2	<2	<2	<0.0008		6.22	5952.75
MW-07	10-May-05	<1	<2	<2	<2	<0.0008		6.22	5952.75

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-07	10-May-05	<0.5	<5	<0.5	NA	0.031		6.22	5952.75
MW-07	08-Jun-05	<1	<2	<2	<2	<0.0008		4.47	5954.50
MW-07	12-Jul-05	<1	<2	<2	<2	<0.0008			
MW-07	09-Aug-05	<1	<2	<2	<2	<0.0008		6.13	5952.84
MW-07	12-Sep-05	<1	<2	<2	<2	0.0015		6.62	5952.35
MW-07	11-Oct-05	<1	<2	<2	<2	0.0075			
MW-07	11-Oct-05	<1	<2	<2	<2	0.026			
MW-07	11-Oct-05	<0.5	<5	<0.5	NA	<0.01			
MW-07	08-Nov-05	<1	<2	<2	<2	0.0059			
MW-07	08-Dec-05	<1	<2	<2	<2	0.017		6.92	5952.05
MW-07	11-Jan-06	<1	<2	<2	<2	0.014		6.95	5952.02
MW-07	14-Feb-06	<0.5	<1	<0.5	<1	<0.002		9.08	5949.89
MW-07	15-Mar-06	<1	<2	<2	<2	10		6.83	5952.14
MW-07	12-Apr-06	<1	<2	<2	<2	0.00092		6.23	5952.74
MW-07	09-May-06	<1	<2	<2	<2	0.036		5.67	5953.30
MW-07	12-Jun-06	<1	<2	<2	<2	0.0037			
MW-07	21-Jul-06	<1	<2	<2	<2	<0.0008			
MW-07	28-Jul-06	<1	<2	<2	<2	0.0012			
MW-07	04-Aug-06	<1	<2	<2	<2	<0.0008			
MW-07	11-Aug-06	<1	<2	<2	<2	<0.0008			
MW-07	16-Aug-06	<1	<2	<2	<2	0.0041		17.45	5941.52
MW-07	24-Aug-06	<1	<2	<2	<2	0.00092		7.72	5951.25
MW-07	31-Aug-06	<1	<2	<2	<2	0.0014		7.84	5951.13
MW-07	07-Sep-06	<1	<2	<2	<2	0.047		8.22	5950.75
MW-07	07-Sep-06	<0.25	<0.25	<0.25	<0.25	0.00163		8.22	5950.75
MW-07	13-Sep-06	<1	<2	<2	<2	0.0024		7.98	5950.99
MW-07	21-Sep-06	<0.25	<0.25	<0.25	<0.25	0.000762		7.93	5951.04
MW-07	21-Sep-06	<1	<2	<2	<2	0.002		7.93	5951.04
MW-07	27-Sep-06	<1	<2	<2	<2	0.004		7.82	5951.15
MW-07	06-Oct-06	<1	<2	<2	<2	<0.0008		7.88	5951.09
MW-07	12-Oct-06	<1	<2	<2	<2	0.0025		7.71	5951.26
MW-07	19-Oct-06	<1	<2	<2	<2	<0.0008		7.73	5951.24
MW-07	25-Oct-06	<1	<2	<2	<2	0.00082		7.62	5951.35
MW-07	01-Nov-06	<1	<2	<2	<2	0.0011		7.63	5951.34
MW-07	17-Nov-06	<1	<2	<2	<2	<0.0008		7.42	5951.55
MW-07	05-Dec-06	<1	<2	<2	<2	0.0011		7.37	5951.60
MW-07	03-Jan-07	<1	<2	<2	<2	<0.0008			
MW-07	17-Jan-07	<1	<2	<2	<2	<0.0008			
MW-07	05-Feb-07	<1	<2	<2	<2	<0.0008			
MW-07	22-Feb-07	<1	<2	<2	<2	0.0016		6.92	5952.05
MW-07	07-Mar-07	<1	<2	<2	<2	0.00094		6.75	5952.22
MW-07	13-Mar-07	<1	<2	<2	<2	0.0079		6.80	5952.17
MW-07	26-Mar-07	<1	<2	<2	<2	<0.0008			
MW-07	11-Apr-07	<1	<2	<2	<2	0.001			
MW-07	25-Apr-07	<0.5	<5	<0.5	<2	0.0016			
MW-07	08-May-07	<0.5	<5	<0.5	<2	<0.01			
MW-07	20-Jun-07	<0.25	<0.25	<0.25	<0.25	-88.8			
MW-07	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-07	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-07	12-Sep-07	<1	<2	<2	<2	<0.0008		8.21	5950.76
MW-07	17-Dec-07	<1	<2	<2	<2	<0.0008		5.72	5953.25
MW-07	03-Mar-08	<1	<2	<2	<2	<0.0008		6.84	5952.13
MW-07	17-Jun-08	<1	<2	<2	<2	<0.0008		4.53	5954.44
MW-07	09-Dec-08	<1	<2	<2	<2	0.0032		7.60	5951.37
MW-07	16-Mar-09	<1	<2	<2	<2	<0.0008		6.95	5952.02
MW-07	15-Jun-09	<1	<2	<2	<2	<0.0008		5.72	5953.25
MW-07	16-Sep-09	<1	<2	<2	<2	0.0028		7.92	5951.05
MW-07	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		7.60	5951.37

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-08	09-Jul-04	**65**	NA	NA	NA	3.4			
MW-08	22-Jul-04	**210**	NA	NA	NA	2.9		12.45	5946.84
MW-08	03-Aug-04	**250**	<2	<2	<2	2.8		11.98	5947.31
MW-08	15-Sep-04	**200**	<2	<2	<2	4.1		13.54	5945.75
MW-08	14-Oct-04	**140**	<2	<2	<3	3.1		13.18	5946.11
MW-08	10-Nov-04	**120**	<5	<0.5	NA	3.1		12.80	5946.49
MW-08	10-Nov-04	**150**	<2	<2	<2	6.5		12.80	5946.49
MW-08	10-Nov-04	**140**	<2	<2	<2	7.2		12.80	5946.49
MW-08	14-Dec-04	**140**	<2	<2	<2	7.4		12.00	5947.29
MW-08	13-Jan-05	**100**	<2	<2	<2	5.7		12.12	5947.17
MW-08	09-Feb-05	**58**	<2	<2	<2	3.5		11.79	5947.50
MW-08	08-Mar-05	**42**	<2	<2	<2	3.3		11.86	5947.43
MW-08	12-Apr-05	**30**	<2	<2	<2	3.2		8.64	5950.65
MW-08	10-May-05	4.8	<2	<2	<2	0.82		7.99	5951.30
MW-08	09-Jun-05	1.8	<2	<2	<2	0.23		6.18	5953.11
MW-08	12-Jul-05	<1	<2	<2	<2	0.12		7.92	5951.37
MW-08	12-Jul-05	**120**	<5	<0.5	NA	3.1		7.92	5951.37
MW-08	12-Jul-05	<1	<2	<2	<2	0.043		7.92	5951.37
MW-08	09-Aug-05	<1	<2	<2	<2	0.045		8.15	5951.14
MW-08	12-Sep-05	<1	<2	<2	<2	0.22		9.07	5950.22
MW-08	12-Oct-05	<0.5	<5	<0.5	NA	<0.01			
MW-08	12-Oct-05	<1	<2	<2	<2	0.25			
MW-08	12-Oct-05	<1	<2	<2	<3	0.19			
MW-08	08-Nov-05	<1	<2	<2	<4	0.11			
MW-08	08-Dec-05	<1	<2	<2	<5	0.08		8.86	5950.43
MW-08	11-Jan-06	<1	<2	<2	<6	0.13		8.99	5950.30
MW-08	14-Feb-06	<0.5	<1	<1	<1	0.206		9.02	5950.27
MW-08	15-Mar-06	<1	<2	<2	<2	0.23		8.89	5950.40
MW-08	12-Apr-06	<1	<2	<2	<2	0.11		8.34	5950.95
MW-08	11-May-06	<0.5	<0.5	<0.5	<0.5	0.0649		7.50	5951.79
MW-08	11-May-06	<1	<2	<2	<2	0.032		7.50	5951.79
MW-08	11-May-06	<1	<2	<2	<2	0.017		7.50	5951.79
MW-08	12-Jun-06	<1	<2	<2	<2	0.13			
MW-08	21-Jul-06	<1	<2	<2	<2	0.0024			
MW-08	28-Jul-06	<1	<2	<2	<2	0.14			
MW-08	04-Aug-06	<1	<2	<2	<2	0.18			
MW-08	11-Aug-06	<1	<2	<2	<2	0.1			
MW-08	16-Aug-06	<1	<2	<2	<2	0.2		25.03	5934.26
MW-08	24-Aug-06	<1	<2	<2	<2	0.34		9.89	5949.40
MW-08	31-Aug-06	<1	<2	<2	<2	0.7		10.01	5949.28
MW-08	07-Sep-06	<1	<2	<2	<2	0.47		10.11	5949.18
MW-08	13-Sep-06	<1	<2	<2	<2	0.74		10.16	5949.13
MW-08	21-Sep-06	<1	<2	<2	<2	1.1		10.11	5949.18
MW-08	27-Sep-06	<1	<2	<2	<2	0.58		10.04	5949.25
MW-08	06-Oct-06	<1	<2	<2	<2	0.45		10.25	5949.04
MW-08	12-Oct-06	<1	<2	<2	<2	0.39		9.84	5949.45
MW-08	19-Oct-06	<1	<2	<2	<2	0.42		9.75	5949.54
MW-08	25-Oct-06	<1	<2	<2	<2	0.34		10.00	5949.29
MW-08	01-Nov-06	<1	<2	<2	<2	0.28		9.49	5949.80
MW-08	17-Nov-06	<1	<2	<2	<2	0.0043		9.32	5949.97
MW-08	05-Dec-06	<1	<2	<2	<2	0.045		9.42	5949.87
MW-08	03-Jan-07	<1	<2	<2	<2	0.00092			
MW-08	17-Jan-07	<1	<2	<2	<2	0.0034			
MW-08	05-Feb-07	<1	<2	<2	<2	0.12			
MW-08	22-Feb-07	<1	<2	<2	<2	0.22		9.12	5950.17
MW-08	07-Mar-07	<1	<2	<2	<2	0.48		9.06	5950.23
MW-08	13-Mar-07	<1	<2	<2	<2	0.18		9.11	5950.18

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-08	26-Mar-07	<1	<2	<2	<2	<0.0008			
MW-08	11-Apr-07	<1	<2	<2	<2	0.085			
MW-08	25-Apr-07	<0.5	<5	<0.5	<2	0.0019			
MW-08	08-May-07	<0.5	<5	<0.5	<2	0.06			
MW-08	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-08	12-Sep-07	<1	<2	<2	<2	<0.0008		10.53	5948.76
MW-08	17-Dec-07	<1	<2	<2	<2	0.13		9.62	5949.67
MW-08	03-Mar-08	<1	<2	<2	<2	0.14		8.92	5950.37
MW-08	17-Jun-08	<1	<2	<2	<2	0.001		5.70	5953.59
MW-08	30-Sep-08	<1	<2	<2	<2	<0.008		10.10	5949.19
MW-08	09-Dec-08	<1	<2	<2	<2	0.11		9.00	5950.29
MW-08	16-Mar-09	<1	<2	<2	<2	0.22		9.00	5950.29
MW-08	15-Jun-09	<1	<2	<2	<2	0.015		6.99	5952.30
MW-08	16-Sep-09	<1	<2	<2	<2	<0.0008		10.05	5949.24
MW-08	15-Dec-09	< 1	< 2	< 2	< 2	0.083		9.40	5949.89
MW-09	09-Jul-04	**120**	NA	NA	NA	11			
MW-09	22-Jul-04	**130**	NA	NA	NA	10		4.88	5960.25
MW-09	03-Aug-04	**150**	50	2.8	21.3	9.5		4.85	5960.28
MW-09	15-Sep-04	**210**	140	6.2	59	11	9.0	4.61	5960.52
MW-09	13-Oct-04	**280**	230	9.8	96	9.9		4.15	5960.98
MW-09	09-Nov-04	**320**	170	11	104	9		4.05	5961.08
MW-09	09-Nov-04	**280**	160	9.8	100	14		4.05	5961.08
MW-09	09-Nov-04	**310**	160	10	98	10		4.05	5961.08
MW-09	13-Dec-04	**350**	130	13	127	14		4.06	5961.07
MW-09	12-Jan-05	**290**	110	12	113	16	13.3	4.18	5960.95
MW-09	09-Feb-05	**260**	48	<10	86	9.4	8.5	4.53	5960.60
MW-09	08-Mar-05	**210**	22	<10	<10	11		4.65	5960.48
MW-09	12-Apr-05	**210**	23	<2	<2	11		4.63	5960.50
MW-09	09-May-05	**210**	32	9.4	81	12	10.3	4.25	5960.88
MW-09	08-Jun-05	**210**	39	<2	<2	12		4.25	5960.88
MW-09	11-Jul-05	**160**	18	5.1	50.5	9.3	7.8	4.58	5960.55
MW-09	08-Aug-05	**120**	12	<10	<10	7.8		4.52	5960.61
MW-09	12-Sep-05	**78**	3.6	3	31.4	9.7	7.6	4.49	5960.64
MW-09	11-Oct-05	**55**	5.5	2.4	24.8	8.7		4.32	5960.81
MW-09	07-Nov-05	**35**	<2	<2	<2	7.6			
MW-09	08-Dec-05	**38**	<2	<2	<2	7.7		4.51	5960.62
MW-09	10-Jan-06	**40**	<2	<2	<2	12	9.9	4.61	5960.52
MW-09	14-Feb-06	**34.4**	<1	1.2	12.4	6.3		4.63	5960.50
MW-09	15-Mar-06	**30**	<2	<2	<2	14		5.02	5960.11
MW-09	11-Apr-06	**21**	<2	<2	<2	9		4.39	5960.74
MW-09	10-May-06	**16**	<2	<2	<2	9.8	7.8	4.28	5960.85
MW-09	12-Jun-06	**8.6**	<2	<2	<2	10			
MW-09	06-Sep-06	**8.9**	<2	<2	<2	9.3	7.1	4.41	5960.72
MW-09	06-Dec-06	**7.2**	<2	<2	<2	10	7.6	4.08	5961.05
MW-09	13-Mar-07	**7.5**	<2	<2	<2	8.3	6.5	4.45	5960.68
MW-09	30-Apr-07	4.8	<5	<0.5	<2	-88.8			
MW-09	21-Jun-07	<1	<2	<2	<2	5.1			
MW-09	13-Sep-07	4.2	<2	<2	<2	5.4		4.49	5960.64
MW-09	18-Dec-07	2.7	<2	<2	<2	7.1		3.82	5961.31
MW-09	05-Mar-08	1	<2	<2	<2	7.2	5.0	4.05	5961.08
MW-09	17-Jun-08	2.2	<2	<2	<2	6.2	4.2	4.39	5960.74
MW-09	30-Sep-08	<1	<2	<2	<2	5.0	3.5	4.20	5960.93
MW-09	09-Dec-08	1.1	<2	<2	<2	8.6		4.46	5960.67
MW-09	17-Mar-09	2.3	<2	<2	<2	8.1	5.5	4.52	5960.61
MW-09	16-Jun-09	1.6	<2	<2	<2	7.2	5.0	4.35	5960.78
MW-09	14-Jul-09	2.5	<2	<2	<2	8.2		4.31	5960.82
MW-09	16-Sep-09	1.3	<2	<2	<2	6.6	4.4	4.38	5960.75

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-09	15-Dec-09	2	< 2	< 2	< 2	9.2	6.4	4.37	5960.76
MW-11	09-Jul-04	2	NA	NA	NA	0.16			
MW-11	22-Jul-04	<1	NA	NA	NA	0.25		4.50	5965.16
MW-11	03-Aug-04	<1	<2	<2	<2	0.23		4.49	5965.17
MW-11	15-Sep-04	<1	<2	<2	<2	0.12		4.29	5965.37
MW-11	13-Oct-04	<1	<2	<2	<2	0.017		4.10	5965.56
MW-11	09-Nov-04	<1	<2	<2	<2	0.14		4.10	5965.56
MW-11	12-Jan-05	<1	<2	<2	<2	0.18		3.98	5965.68
MW-11	09-Feb-05	<1	<2	<2	<2	0.12		4.13	5965.53
MW-11	08-Mar-05	<1	<2	<2	<2	0.11		4.45	5965.21
MW-11	12-Apr-05	<1	<2	<2	<2	0.14		4.21	5965.45
MW-11	09-May-05	<1	<2	<2	<2	0.13		3.94	5965.72
MW-11	08-Jun-05	<1	<2	<2	<2	0.13		3.85	5965.81
MW-11	11-Jul-05	<1	<2	<2	<2	0.1		5.25	5964.41
MW-11	08-Aug-05	<1	<2	<2	<2	0.079		4.11	5965.55
MW-11	12-Sep-05	<1	<2	<2	<2	0.13		4.22	5965.44
MW-11	11-Oct-05	<1	<2	<2	<2	0.1		3.98	5965.68
MW-11	07-Nov-05	<1	<2	<2	<2	0.061			
MW-11	08-Dec-05	<1	<2	<2	<2	0.046		4.07	5965.59
MW-11	10-Jan-06	<1	<2	<2	<2	0.037		4.02	5965.64
MW-11	14-Feb-06	<0.5	<1	<1	<1	0.017		4.02	5965.64
MW-11	15-Mar-06	<1	<2	<2	<2	0.06		4.50	5965.16
MW-11	11-Apr-06	<1	<2	<2	<2	0.041		4.05	5965.61
MW-11	10-May-06	<1	<2	<2	<2	0.035		4.08	5965.58
MW-11	12-Jun-06	<1	<2	<2	<2	0.043			
MW-11	06-Sep-06	<1	<2	<2	<2	0.081		4.15	5965.51
MW-11	06-Dec-06	<1	<2	<2	<2	0.0039		3.98	5965.68
MW-11	13-Mar-07	<1	<2	<2	<2	0.02		3.89	5965.77
MW-11	21-Jun-07	<1	<2	<2	<2	0.018			
MW-11	12-Sep-07	<1	<2	<2	<2	0.028		4.30	5965.36
MW-11	05-Mar-08	<1	<2	<2	<2	0.027		4.09	5965.57
MW-11	17-Jun-08	<1	<2	<2	<2	0.012		4.03	5965.63
MW-11	30-Sep-08	<1	<2	<2	<2	0.0017		4.10	5965.56
MW-11	09-Dec-08	<1	<2	<2	<2	0.016		4.20	5965.46
MW-11	17-Mar-09	<1	<2	<2	<2	0.0073		4.65	5965.01
MW-11	15-Jun-09	<1	<2	<2	<2	0.037		4.51	5965.15
MW-11	17-Sep-09	<1	<2	<2	<2	0.16		4.48	5965.18
MW-11	15-Dec-09	< 1	< 2	< 2	< 2	0.019		4.23	5965.43
MW-12	09-Jul-04	0.86	NA	NA	NA	2.5			5963.60
MW-12	22-Jul-04	2	NA	NA	NA	3.6		6.02	5957.58
MW-12	03-Aug-04	4.6	<2	<2	<2	3.8			
MW-12	15-Sep-04	2.7	<2	<2	<2	4.9	4.1	5.81	5957.79
MW-12	13-Oct-04	<1	<2	<2	<2	0.17		5.13	5958.47
MW-12	13-Oct-04	<1	<2	<2	NA	0.12		5.13	5958.47
MW-12	13-Oct-04	<1	<2	<2	<2	<0.0008		5.13	5958.47
MW-12	09-Nov-04	<1	<2	<2	<2	0.069		4.90	5958.70
MW-12	13-Dec-04	<1	<2	<2	<2	0.046		3.85	5959.75
MW-12	12-Jan-05	<1	<2	<2	<2	1.3	0.8	4.10	5959.50
MW-12	09-Feb-05	<1	<2	<2	<2	2	1.2	4.78	5958.82
MW-12	08-Mar-05	<1	<2	<2	<2	2.6		4.53	5959.07
MW-12	12-Apr-05	<1	<2	<2	<2	0.94		4.63	5958.97
MW-12	09-May-05	<1	<2	<2	<2	0.43	0.4	4.03	5959.57
MW-12	08-Jun-05	<1	<2	<2	<2	0.65		4.39	5959.21
MW-12	11-Jul-05	3.8	<2	<2	<2	3	2.7	2.86	5960.74
MW-12	08-Aug-05	**7.1**	<2	<2	<2	4.3		3.02	5960.58
MW-12	12-Sep-05	**8.4**	<2	<2	<2	6.4	5.1	2.82	5960.78

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-12	11-Oct-05	<1	<2	<2	<2	0.26		1.94	5961.66
MW-12	07-Nov-05	<1	<2	<2	<2	0.11			
MW-12	08-Dec-05	<1	<2	<2	<2	0.25		1.81	5961.79
MW-12	10-Jan-06	<1	<2	<2	<2	0.24	0.2	1.89	5961.71
MW-12	14-Feb-06	0.6	<1	<1	<1	0.53		2.03	5961.57
MW-12	15-Mar-06	<1	<2	<2	<2	1.6		1.85	5961.75
MW-12	15-Mar-06	<0.5	<0.5	<0.5	<0.5	1.51		1.85	5961.75
MW-12	11-Apr-06	<1	<2	<2	<2	1.2		4.10	5959.50
MW-12	10-May-06	<1	<2	<2	<2	0.95	0.5	1.25	5962.35
MW-12	12-Jun-06	1.2	<2	<2	<2	2.1			
MW-12	06-Sep-06	**5.3**	<2	<2	<2	7.1	4.1	3.31	5960.29
MW-12	06-Dec-06	<1	<2	<2	<2	0.21	0.2	1.52	5962.08
MW-12	13-Mar-07	<1	<2	<2	<2	0.046	0.0	0.00	5963.60
MW-12	21-Jun-07	<1	<2	<2	<2	0.016			
MW-12	12-Sep-07	**5.4**	<2	<2	<2	3.7	2.8	3.08	5960.52
MW-12	18-Dec-07	<1	<2	<2	<2	0.18		1.92	5961.68
MW-12	05-Mar-08	<1	<2	<2	<2	<0.0008		0.00	5963.60
MW-12	17-Jun-08	<1	<2	<2	<2	0.0011	<0.0011	2.36	5961.24
MW-12	30-Sep-08	2.4	<2	<2	<2	2.8	1.5	3.30	5960.30
MW-12	09-Dec-08	<1	<2	<2	<2	0.13	<0.0008	2.10	5961.50
MW-12	17-Mar-09	<1	<2	<2	<2	0.13	0.04	1.95	5961.65
MW-12	15-Jun-09	<1	<2	<2	<2	0.25	0.02	2.21	5961.39
MW-12	16-Sep-09	1	<2	<2	<2	3.7		2.67	5960.93
MW-12	15-Dec-09	< 1	< 2	< 2	< 2	0.07		1.76	5961.84
MW-13	13-Dec-04	<1	<2	<2	<2	0.15		2.49	5961.11
MW-13	21-Sep-04	<1	<2	<2	<2	0.061			
MW-13	13-Oct-04	<1	<2	<2	<2	0.011		2.89	5969.11
MW-13	09-Nov-04	<1	<2	<2	<2	0.015		2.80	5969.20
MW-13	13-Dec-04	<1	<2	<2	<2	0.029		2.49	5969.51
MW-13	12-Jan-05	<1	<2	<2	<2	0.069		2.24	5969.76
MW-13	09-Feb-05	<1	<2	<2	<2	0.029		2.79	5969.21
MW-13	08-Mar-05	<1	<2	<2	<2	0.037		2.81	5969.19
MW-13	12-Apr-05	<1	<2	<2	<2	0.039		3.12	5968.88
MW-13	09-May-05	<1	<2	<2	<2	0.04		2.42	5969.58
MW-13	08-Jun-05	<1	<2	<2	<2	0.071		2.41	5969.59
MW-13	12-Jun-06	<1	<2	<2	<2	2.8			
MW-13	07-Sep-06	<1	<5	<2	<2	1.4		1.40	5970.60
MW-13	06-Dec-06	<1	<2	<2	<2	0.32		0.58	5971.42
MW-13	13-Mar-07	<1	<2	<2	<2	0.014		0.00	
MW-13	21-Jun-07	<1	<2	<2	<2	0.33			
MW-13	12-Sep-07	<1	<2	<2	<2	0.43		1.05	5970.95
MW-13	17-Jun-08								floooded
MW-13	29-Sep-08							2.65	
MW-13	08-Dec-08								frozen
MW-13	16-Mar-09								flooded
MW-13	15-Jun-09								plugged
MW-13	16-Sep-09								plugged
MW-13	15-Dec-09								plugged
MW-14	21-Sep-04	**150**	9.6	2.9	19.8	1.4			
MW-14	13-Oct-04	**140**	12	3.6	27.3	4.8	4.3	6.57	5958.49
MW-14	09-Nov-04	**150**	8.8	4.7	32.4	6.7		7.02	5958.04
MW-14	13-Dec-04	**300**	12	7.5	44.2	13		7.01	5958.05
MW-14	12-Jan-05	**230**	9.7	4.6	30.7	9.4	8.0	6.98	5958.08
MW-14	09-Feb-05	**270**	13	<10	<10	9.6	8.0	7.24	5957.82
MW-14	08-Mar-05	**180**	12	3.1	21.5	12		8.05	5957.01
MW-14	12-Apr-05	**74**	5.2	<2	<2	11		6.97	5958.09

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-14	09-May-05	**8**	<2	<2	<2	8.2	6.6	6.19	5958.87
MW-14	08-Jun-05	**6**	<2	<2	<2	10		6.38	5958.68
MW-14	11-Jul-05	**16**	<2	<2	<2	4.8	3.8	4.15	5960.91
MW-14	08-Aug-05	<1	<2	<2	<2	3.6		4.25	5960.81
MW-14	12-Sep-05	<1	<2	<2	<2	3.6	2.3	4.25	5960.81
MW-14	11-Oct-05	<1	<2	<2	<2	4.2		4.17	5960.89
MW-14	07-Nov-05	<1	<2	<2	<2	3.9			
MW-14	08-Dec-05	1.6	<2	<2	<2	3.9		4.59	5960.47
MW-14	10-Jan-06	<1	<2	<2	<2	7.4	5.6	4.71	5960.35
MW-14	14-Feb-06	1.9	<1	<1	<1	8.3		4.71	5960.35
MW-14	15-Mar-06	<1	<2	<2	<2	5.8		4.71	5960.35
MW-14	11-Apr-06	<1	<2	<2	<2	1.2		4.55	5960.51
MW-14	10-May-06	<1	<2	<2	<2	2.9	1.9	4.28	5960.78
MW-14	12-Jun-06	<1	<2	<2	<2	7			
MW-14	06-Sep-06	<1	<2	<2	<2	9	6.0	4.22	5960.84
MW-14	06-Dec-06	**12**	<2	<2	<2	9.1	6.4	4.18	5960.88
MW-14	13-Mar-07	<1	<2	<2	<2	7.6	5.3	4.45	5960.61
MW-14	30-Apr-07	<1	<5	<0.5	<2	-88.8			
MW-14	21-Jun-07	<1	<2	<2	<2	3.4			
MW-14	13-Sep-07	<1	<2	<2	<2	2.8		5.04	5960.02
MW-14	18-Dec-07	1.2	<2	<2	<2	3.2		4.75	5960.31
MW-14	05-Mar-08	<1	<2	<2	<2	5.1	3.1	4.98	5960.08
MW-14	17-Jun-08	<1	<2	<2	<2	3.7	2.1	4.95	5960.11
MW-14	30-Sep-08	<1	<2	<2	<2	2.9	2.0	5.51	5959.55
MW-14	09-Dec-08	<1	<2	<2	<2	4.7	2.9	5.20	5959.86
MW-14	17-Mar-09	1.0	<2	<2	<2	7.0	4.6	5.29	5959.77
MW-14	16-Jun-09	<1	<2	<2	<2	5.6	3.9	5.05	5960.01
MW-14	16-Sep-09	1.9	<2	<2	<2	5.7	3.7	5.10	5959.96
MW-14	15-Dec-09	1.9	< 2	< 2	< 2	5.7	3.4	5.03	5960.03
MW-15	21-Sep-04	<1	<2	<2	<2	0.37			
MW-15	14-Oct-04	<1	<2	<2	<2	0.047		2.80	5954.99
MW-15	10-Nov-04	<1	<2	<2	<2	0.034		2.85	5954.94
MW-15	14-Dec-04	<1	<2	<2	<2	0.017		2.54	5955.25
MW-15	12-Jan-05	<1	<2	<2	<2	0.012		2.50	5955.29
MW-15	08-Mar-05	<1	<2	<2	<2	0.0071		3.62	5954.17
MW-15	12-Apr-05	<1	<2	<2	<2	0.021		2.82	5954.97
MW-15	11-May-05	<1	<2	<2	<2	0.031		2.47	5955.32
MW-15	08-Jun-05	<1	<2	<2	<2	0.059		2.36	5955.43
MW-15	12-Jul-05	<1	<2	<2	<2	0.0055		0.17	5957.62
MW-15	09-Aug-05	<1	<2	<2	<2	0.0069		0.42	5957.37
MW-15	12-Sep-05	<1	<2	<2	<2	0.007		0.36	5957.43
MW-15	11-Oct-05	<1	<2	<2	<2	0.058		0.42	5957.37
MW-15	08-Nov-05	<1	<2	<2	<2	0.025		0.44	5957.35
MW-15	08-Dec-05	<1	<2	<2	<2	0.038		0.56	5957.23
MW-15	11-Jan-06	<1	<2	<2	<2	0.044		0.68	5957.11
MW-15	15-Feb-06	<1	<2	<2	<2	0.026		0.58	5957.21
MW-15	15-Mar-06	<1	<2	<2	<2	0.027		0.40	5957.39
MW-15	11-Apr-06	<1	<2	<2	<2	0.012		0.50	5957.29
MW-15	10-May-06	<1	<2	<2	<2	0.01		0.51	5957.28
MW-15	12-Jun-06	<1	<2	<2	<2	0.01			
MW-15	06-Sep-06	<1	<2	<2	<2	0.036		0.00	5957.79
MW-15	06-Dec-06	<1	<2	<2	<2	0.015		0.00	5957.79
MW-15	13-Mar-07	<1	<2	<2	<2	0.012		0.10	5957.69
MW-15	21-Jun-07	<1	<2	<2	<2	0.015			
MW-15	11-Sep-07	<1	<2	<2	<2	<0.0008		0.00	5957.79
MW-15	18-Dec-07	<1	<2	<2	<2	0.0018		0.05	5957.74
MW-15	17-Jun-08	<1	<2	<2	<2	0.0072		2.12	5955.67

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-15	29-Sep-08								Flooded
MW-15	08-Dec-08								Frozen
MW-15	16-Mar-09								Frozen
MW-15	15-Jun-09								Flooded
MW-15	16-Sep-09								Flooded
MW-15	15-Dec-09								Flooded
MW-16	21-Sep-04	**9.5**	<2	<2	<2	1.1			
MW-16	13-Oct-04	4.7	<2	<2	<2	0.85		7.79	5952.66
MW-16	09-Nov-04	2.7	<2	<2	<2	0.34		7.29	5953.16
MW-16	14-Dec-04	4.9	<2	<2	<2	0.8		6.92	5953.53
MW-16	12-Jan-05	**7.6**	<2	<2	<2	1.1		7.20	5953.25
MW-16	09-Feb-05	**6.2**	<2	<2	<2	0.72	0.5	6.96	5953.49
MW-16	08-Mar-05	**6.1**	<2	<2	<2	0.83		7.27	5953.18
MW-16	08-Mar-05	**6.3**	<2	<2	<2	0.66		7.27	5953.18
MW-16	08-Mar-05	**6.2**	<5	<0.5	NA	1.7		7.27	5953.18
MW-16	12-Apr-05	1.4	<2	<2	<2	0.57		7.39	5953.06
MW-16	09-May-05	1.9	<2	<2	<2	0.35		5.81	5954.64
MW-16	08-Jun-05	1.7	<2	<2	<2	0.37		4.20	5956.25
MW-16	12-Jul-05	4	<2	<2	<2	0.62		2.65	5957.80
MW-16	09-Aug-05	**12**	<2	<2	<2	1.1		4.83	5955.62
MW-16	12-Sep-05	**6.4**	<2	<2	<2	1.3		5.45	5955.00
MW-16	11-Oct-05	2.8	<2	<2	<2	0.91			
MW-16	08-Nov-05	4.1	<2	<2	<2	0.62			
MW-16	07-Dec-05	3.4	<2	<2	<2	0.67		4.73	5955.72
MW-16	11-Jan-06	2.1	<2	<2	<2	1.1		5.21	5955.24
MW-16	14-Feb-06	<0.5	<1	<1	<1	0.58		5.25	5955.20
MW-16	15-Mar-06	<1	<2	<2	<2	0.78		5.38	5955.07
MW-16	12-Apr-06	<1	<2	<2	<2	0.59		4.77	5955.68
MW-16	09-May-06	<1	<2	<2	<2	0.2		3.43	5957.02
MW-16	12-Jun-06	<1	<2	<2	<2	0.042			
MW-16	07-Sep-06	3.7	<5	<2	<2	1.7		6.41	5954.04
MW-16	05-Dec-06	<1	<2	<2	<2	1.1		5.21	5955.24
MW-16	13-Mar-07	<1	<2	<2	<2	0.54	0.1	5.50	5954.95
MW-16	20-Jun-07	<1	<2	<2	<2	0.17			
MW-16	12-Sep-07	<1	<2	<2	<2	0.8	0.3	6.45	5954.00
MW-16	18-Dec-07	<1	<2	<2	<2	1.2		8.50	5951.95
MW-16	04-Mar-08	<1	<2	<2	<2	1.2		5.60	5954.85
MW-16	17-Jun-08	<1	<2	<2	<2	0.021	<0.021	2.69	5957.76
MW-16	30-Sep-08	<1	<2	<2	<2	1.3	0.4	6.70	5953.75
MW-16	09-Dec-08	<1	<2	<2	<2	1.2	0.1	5.20	5955.25
MW-16	16-Mar-09	<1	<2	<2	<2	1.4	0.03	5.86	5954.59
MW-16	15-Jun-09	<1	<2	<2	<2	0.076	0.001	2.58	5957.87
MW-16	16-Sep-09	<1	<2	<2	<2	1.8		6.39	5954.06
MW-16	16-Sep-09	<1	<2	<2	<2	1.5		6.39	5954.06
MW-16	15-Dec-09	< 1	< 2	< 2	< 2	0.76		5.90	5954.55
MW-16	15-Dec-09	< 1	< 2	< 2	< 2	0.75		5.90	5954.55
MW-17	21-Sep-04	<1	<2	<2	46.6	8.3			
MW-17	13-Oct-04	**230**	110	4.1	39.8	7.5	6.2	10.48	5948.01
MW-17	09-Nov-04	**140**	7.2	3	20.7	7.6		9.60	5948.89
MW-17	14-Dec-04	**110**	<2	2.1	16.1	9.4		8.76	5949.73
MW-17	12-Jan-05	**56**	<2	<2	<2	7.1	5.1	8.84	5949.65
MW-17	09-Feb-05	**76**	<2	<2	<2	6.6	4.9	8.69	5949.80
MW-17	08-Mar-05	**63**	<2	<2	<2	6.8		8.84	5949.65
MW-17	12-Apr-05	**44**	<2	<2	<2	6.6		6.19	5952.30
MW-17	10-May-05	**16**	<2	<2	<2	1.9	1.0	4.90	5953.59
MW-17	08-Jun-05	1.4	<2	<2	<2	1.6		2.43	5956.06

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-17	12-Jul-05	<1	<2	<2	<2	0.64		3.28	5955.21
MW-17	09-Aug-05	**19**	<2	<2	<2	2.7		5.53	5952.96
MW-17	12-Sep-05	**110**	3.6	<2	<2	5.3	3.3	7.02	5951.47
MW-17	11-Oct-05	**72**	<2	<2	<2	4.7			
MW-17	08-Nov-05	**31**	<2	<2	<2	3.2			
MW-17	07-Dec-05	**31**	<2	<2	<2	3.1		6.58	5951.91
MW-17	11-Jan-06	**30**	<2	<2	<2	3.2	1.8	6.88	5951.61
MW-17	14-Feb-06	**26**	<1	<1	<1	2.5		6.88	5951.61
MW-17	15-Mar-06	**19**	<2	<2	<2	3.5		6.55	5951.94
MW-17	12-Apr-06	**12**	<2	<2	<2	3		5.85	5952.64
MW-17	09-May-06	2.8	<2	<2	<2	1.4		4.20	5954.29
MW-17	12-Jun-06	<1	<2	<2	<2	2.6			
MW-17	07-Sep-06	**24**	<5	<2	<2	3.5	2.2	8.27	5950.22
MW-17	05-Dec-06	**23**	<2	<2	<2	2.2	1.2	7.31	5951.18
MW-17	13-Mar-07	**66**	<2	<2	<2	5.6	0.6	6.65	5951.84
MW-17	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-17	12-Sep-07	**30**	<2	<2	<2	2	1.2	9.68	5948.81
MW-17	18-Dec-07	**16**	<2	<2	<2	2		7.59	5950.90
MW-17	03-Mar-08	**6.7**	<2	<2	<2	1	0.5	6.90	5951.59
MW-17	17-Jun-08	<1	<2	<2	<2	<0.0008	<0.0008	2.66	5955.83
MW-17	30-Sep-08	**31**	<2	<2	<2	1.9	1.1	8.20	5950.29
MW-17	09-Dec-08	**21**	<2	<2	<2	1.9	1.0	6.75	5951.74
MW-17	16-Mar-09	**13**	<2	<2	<2	2.2	1.0	6.71	5951.78
MW-17	15-Jun-09	<1	<2	<2	<2	0.0027	<0.0008	3.25	5955.24
MW-17	16-Sep-09	**41**	<2	<2	<2	4.2	2.3	8.10	5950.39
MW-17	15-Dec-09	**25**	< 2	< 2	< 2	3.2	1.5	8.40	5950.09
MW-18	21-Sep-04	<1	<2	<2	<2	0.74			
MW-18	14-Oct-04	<1	<2	<2	<2	0.89	0.3	6.75	5945.68
MW-18	10-Nov-04	<1	<2	<2	<2	1.6		6.80	5945.63
MW-18	14-Dec-04	<1	<2	<2	<2	1.1		6.63	5945.80
MW-18	13-Jan-05	<1	<2	<2	<2	1.1	0.4		
MW-18	09-Feb-05	<1	<2	<2	<2	0.71	0.2	6.77	5945.66
MW-18	09-Mar-05	<1	<2	<2	<2	0.69		6.81	5945.62
MW-18	13-Apr-05	<1	<2	<2	<2	0.71		6.98	5945.45
MW-18	10-May-05	<1	<2	<2	<2	0.19	0.1	6.11	5946.32
MW-18	09-Jun-05	<1	<2	<2	<2	0.058		3.55	5948.88
MW-18	12-Jul-05	<1	<2	<2	<2	0.02			
MW-18	09-Aug-05	<1	<2	<2	<2	0.66		4.26	5948.17
MW-18	13-Sep-05	<1	<2	<2	<2	0.3	0.1	4.35	5948.08
MW-18	12-Oct-05	<1	<2	<2	<2	1.1			
MW-18	09-Nov-05	<1	<2	<2	<2	1.1		4.06	5948.37
MW-18	08-Dec-05	<1	<2	<2	<2	0.76		3.93	5948.50
MW-18	08-Dec-05	<1	<2	<2	<2	0.68		3.93	5948.50
MW-18	08-Dec-05	<0.5	<5	<0.5	NA	0.8		3.93	5948.50
MW-18	11-Jan-06	<1	<2	<2	<2	0.6	0.2	3.72	5948.71
MW-18	15-Feb-06	<1	<2	<2	<2	1.2		4.12	5948.31
MW-18	15-Mar-06	<1	<2	<2	<2	1.5		3.94	5948.49
MW-18	12-Apr-06	<1	<2	<2	<2	0.46		3.30	5949.13
MW-18	11-May-06	<1	<2	<2	<2	0.25	0.1	3.33	5949.10
MW-18	13-Jun-06	<0.5	<0.5	<0.5	<0.5	1.46			
MW-18	13-Jun-06	<1	<2	<2	<2	1.4			
MW-18	06-Sep-06	<1	<2	<2	<2	0.99	0.4	4.58	5947.85
MW-18	05-Dec-06	<1	<2	<2	<2	0.0057	0.0	4.02	5948.41
MW-18	13-Mar-07	<1	<2	<2	<2	0.0034	0.0	3.10	5949.33
MW-18	22-Jun-07	<1	<2	<2	<2	0.026			
MW-18	11-Sep-07	<1	<2	<2	<2	<0.0008		3.85	5948.58
MW-18	18-Dec-07	<1	<2	<2	<2	<0.0008		3.35	5949.08

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-18	04-Mar-08	<1	<2	<2	<2	<0.0008		3.15	5949.28
MW-18	17-Jun-08	<1	<2	<2	<2	0.15		3.78	5948.65
MW-18	30-Sep-08	<1	<2	<2	<2	<0.0008		4.50	5947.93
MW-18	08-Dec-08	<1	<2	<2	<2	0.034		3.40	5949.03
MW-18	16-Mar-09	<1	<2	<2	<2	<0.0008		3.75	5948.68
MW-18	15-Jun-09	<1	<2	<2	<2	0.81		3.91	5948.52
MW-18	16-Sep-09	<1	<2	<2	<2	<0.0008		4.50	5947.93
MW-18	15-Dec-09	< 1	< 2	< 2	< 2	0.042		4.10	5948.33
MW-19	21-Sep-04	<1	2.4	<2	<2	1.6			
MW-19	13-Oct-04	<1	7.8	<2	<2	0.34		2.94	5966.50
MW-19	09-Nov-04	<1	10	<2	<2	4		4.20	5965.24
MW-19	13-Dec-04	<1	14	<2	<2	3.9		3.42	5966.02
MW-19	12-Jan-05	<1	9	<2	<2	2.6		3.32	5966.12
MW-19	08-Mar-05	<1	13	<2	<2	3.7		4.77	5964.67
MW-19	12-Apr-05	<1	<2	<2	<2	2.2		3.67	5965.77
MW-19	09-May-05	<1	9	<2	<2	1		3.37	5966.07
MW-19	08-Jun-05	<1	<2	<2	<2	2		2.71	5966.73
MW-19	11-Jul-05	<1	2.7	<2	<2	1.2		4.51	5964.93
MW-19	08-Aug-05	<1	5.7	<2	<2	1.7		2.83	5966.61
MW-19	12-Sep-05	<1	2.7	<2	<2	2.1		2.78	5966.66
MW-19	11-Oct-05	<1	3.1	<2	<2	2.2		2.63	5966.81
MW-19	07-Nov-05	<1	<2	<2	<2	2			
MW-19	11-Apr-06	<1	<2	<2	<2	0.95		4.05	5965.39
MW-19	10-May-06	<1	4.5	<2	<2	1.1		3.18	5966.26
MW-19	12-Jun-06	<1	<2	<2	<2	1.3			5969.44
MW-19	17-Jun-08								Flooded
MW-19	29-Sep-08								Lost
MW-19	08-Dec-08								Frozen
MW-19	16-Mar-09								Lost
MW-19	15-Jun-09								Flooded
MW-19	16-Sep-09								Flooded
MW-19	15-Dec-09								Flooded
MW-20	02-Sep-04	<1	<2	<2	<2	0.89			
MW-20	14-Oct-04	<1	<2	<2	<2	0.36		11.90	5941.98
MW-20	10-Nov-04	<1	<2	<2	<2	0.048		11.75	5942.13
MW-20	14-Dec-04	<1	<2	<2	<2	0.0078		11.12	5942.76
MW-20	13-Jan-05	<1	<2	<2	<2	0.0039			
MW-20	09-Feb-05	<1	<2	<2	<2	0.00092		10.54	5943.34
MW-20	09-Mar-05	<1	<2	<2	<2	0.0008		10.33	5943.55
MW-20	13-Apr-05	<1	<2	<2	<2	0.0011		10.23	5943.65
MW-20	10-May-05	<1	<2	<2	<2	0.002		9.83	5944.05
MW-20	09-Jun-05	<1	<2	<2	<2	0.0092		7.12	5946.76
MW-20	12-Jul-05	<1	<2	<2	<2	0.053			
MW-20	09-Aug-05	<1	<2	<2	<2	0.017		1.48	5952.40
MW-20	13-Sep-05	<1	<2	<2	<2	0.002		9.28	5944.60
MW-20	12-Oct-05	<1	<2	<2	<2	<0.0008		9.11	5944.77
MW-20	08-Nov-05	<1	<2	<2	<2	0.00084			
MW-20	08-Dec-05	<1	<2	<2	<2	<0.0008		8.27	5945.61
MW-20	11-Jan-06	<1	<2	<2	<2	<0.0008		8.06	5945.82
MW-20	15-Feb-06	<1	<2	<2	<2	<0.0008		7.96	5945.92
MW-20	15-Mar-06	<1	<2	<2	<2	<0.0008		7.73	5946.15
MW-20	11-Apr-06	<1	<2	<2	<2	<0.0008		7.35	5946.53
MW-20	11-May-06	<1	<2	<2	<2	0.00086		7.01	5946.87
MW-20	13-Jun-06	<1	<2	<2	<2	0.00855			
MW-20	21-Jul-06	<1	<2	<2	<2	<0.0008			
MW-20	28-Jul-06	<1	<2	<2	<2	0.0011			

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-20	04-Aug-06	<1	<2	<2	<2	<0.0008			
MW-20	11-Aug-06	<1	<2	<2	<2	<0.0008			
MW-20	16-Aug-06	<1	<2	<2	<2	0.0033			
MW-20	24-Aug-06	<1	<2	<2	<2	0.0022		9.71	5944.17
MW-20	31-Aug-06	<1	<2	<2	<2	0.0011		9.85	5944.03
MW-20	06-Sep-06	<1	<2	<2	<2	0.011		10.00	5943.88
MW-20	13-Sep-06	<1	<2	<2	<2	<0.0008		10.04	5943.84
MW-20	21-Sep-06	<1	<2	<2	<2	0.0015		9.96	5943.92
MW-20	27-Sep-06	<1	<2	<2	<2	0.00096		9.82	5944.06
MW-20	06-Oct-06	<1	<2	<2	<2	<0.0008		9.88	5944.00
MW-20	12-Oct-06	<1	<2	<2	<2	<0.0008		9.54	5944.34
MW-20	19-Oct-06	<1	<2	<2	<2	<0.0008		9.43	5944.45
MW-20	25-Oct-06	<1	<2	<2	<2	<0.0008		9.64	5944.24
MW-20	01-Nov-06	<1	<2	<2	<2	<0.0008		9.25	5944.63
MW-20	17-Nov-06	<1	<2	<2	<2	<0.0008		9.03	5944.85
MW-20	06-Dec-06	<1	<2	<2	<2	<0.0008		7.92	5945.96
MW-20	03-Jan-07	<1	<2	<2	<2	<0.0008			
MW-20	17-Jan-07	<1	<2	<2	<2	<0.0008			
MW-20	05-Feb-07	<1	<2	<2	<2	<0.0008			
MW-20	22-Feb-07	<1	<2	<2	<2	<0.0008		8.32	5945.56
MW-20	07-Mar-07	<1	<2	<2	<2	<0.0008		8.19	5945.69
MW-20	13-Mar-07	<1	<2	<2	<2	<0.0008		8.20	5945.68
MW-20	26-Mar-07	<1	<2	<2	<2	0.0012			
MW-20	11-Apr-07	<1	<2	<2	<2	<0.0008			
MW-20	25-Apr-07	<0.5	<5	<0.5	<2	<0.01			
MW-20	08-May-07	<0.5	<5	<0.5	<2	<0.01			
MW-20	22-Jun-07	<1	<2	<2	<2	0.0012			
MW-20	11-Sep-07	<1	<2	<2	<2	<0.0008		10.15	5943.73
MW-20	18-Dec-07	<1	<2	<2	<2	<0.0008		8.25	5945.63
MW-20	04-Mar-08	<1	<2	<2	<2	<0.0008		7.69	5946.19
MW-20	17-Jun-08	<1	<2	<2	<2	<0.0008		6.23	5947.65
MW-20	30-Sep-08	<1	<2	<2	<2	0.0035		9.75	5944.13
MW-20	08-Dec-08	<1	<2	<2	<2	0.0011		8.61	5945.27
MW-20	16-Mar-09	<1	<2	<2	<2	<0.0008		7.85	5946.03
MW-20	15-Jun-09	<1	<2	<2	<2	0.00089		6.98	5946.90
MW-20	16-Sep-09	<1	<2	<2	<2	<0.0008		9.96	5943.92
MW-20	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		9.00	5944.88
MW-21	02-Sep-04	<1	<2	<2	<2	0.0087			
MW-21	14-Oct-04	<1	<2	<2	<2	0.0049		25.20	5944.25
MW-21	10-Nov-04	<1	<2	<2	<2	0.0011		24.80	5944.65
MW-21	14-Dec-04	<1	<2	<2	<2	0.0016		23.54	5945.91
MW-21	13-Jan-05	<1	<2	<2	<2	<0.0009			
MW-21	09-Feb-05	<1	<2	<2	<2	0.00086		23.68	5945.77
MW-21	09-Mar-05	<1	<2	<2	<2	<0.0008		23.56	5945.89
MW-21	13-Apr-05	<1	<2	<2	<2	<0.0008		23.33	5946.12
MW-21	10-May-05	<1	<2	<2	<2	<0.0008		22.79	5946.66
MW-21	09-Jun-05	<1	<2	<2	<2	0.0019		21.93	5947.52
MW-21	13-Jul-05	<1	<2	<2	<2	0.0028		22.24	5947.21
MW-21	09-Aug-05	<1	<2	<2	<2	0.0011		23.42	5946.03
MW-21	13-Sep-05	<1	<2	<2	<2	0.0011		24.43	5945.02
MW-21	12-Oct-05	<1	<2	<2	<2	0.0015		24.34	5945.11
MW-21	08-Nov-05	<1	<2	<2	<2	0.0013		23.89	5945.56
MW-21	08-Dec-05	<1	<2	<2	<2	0.00092		23.52	5945.93
MW-21	12-Jan-06	<1	<2	<2	<2	0.0013		23.37	5946.08
MW-21	15-Feb-06	<1	<2	<2	<2	0.0013		23.22	5946.23
MW-21	15-Mar-06	<1	<2	<2	<2	0.01		20.33	5949.12
MW-21	11-Apr-06	<1	<2	<2	<2	0.0022		22.48	5946.97

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-21	11-May-06	<1	<2	<2	<2	0.0017		22.00	5947.45
MW-21	13-Jun-06	<1	<2	<2	<2	0.0032			
MW-21	21-Jul-06	<1	<2	<2	<2	0.0016			
MW-21	28-Jul-06	<1	<2	<2	<2	0.0019			
MW-21	04-Aug-06	<1	<2	<2	<2	0.001			
MW-21	11-Aug-06	<1	<2	<2	<2	0.0011			
MW-21	16-Aug-06	<1	<2	<2	<2	0.0023			
MW-21	24-Aug-06	<1	<2	<2	<2	0.0026		24.79	5944.66
MW-21	31-Aug-06	<1	<2	<2	<2	0.0036		24.87	5944.58
MW-21	06-Sep-06	<1	<2	<2	<2	0.0057		24.95	5944.50
MW-21	13-Sep-06	<1	<2	<2	<2	0.0031		25.31	5944.14
MW-21	21-Sep-06	<1	<2	<2	<2	0.0036		25.31	5944.14
MW-21	27-Sep-06	<1	<2	<2	<2	0.0039		25.08	5944.37
MW-21	06-Oct-06	<1	<2	<2	<2	0.0019		25.21	5944.24
MW-21	12-Oct-06	<1	<2	<2	<2	<0.0008		24.85	5944.60
MW-21	19-Oct-06	<1	<2	<2	<2	<0.0008		24.75	5944.70
MW-21	25-Oct-06	<1	<2	<2	<2	<0.0008		24.68	5944.77
MW-21	01-Nov-06	<1	<2	<2	<2	<0.0008		24.53	5944.92
MW-21	17-Nov-06	<1	<2	<2	<2	<0.0008		24.61	5944.84
MW-21	06-Dec-06	<1	<2	<2	<2	0.0019		24.26	5945.19
MW-21	03-Jan-07	<1	<2	<2	<2	<0.0008			
MW-21	17-Jan-07	<1	<2	<2	<2	<0.0008			
MW-21	05-Feb-07	<1	<2	<2	<2	<0.0008			
MW-21	22-Feb-07	<1	<2	<2	<2	<0.0008		23.68	5945.77
MW-21	07-Mar-07	<1	<2	<2	<2	0.00086		23.82	5945.63
MW-21	13-Mar-07	<1	<2	<2	<2	<0.0008		23.60	5945.85
MW-21	26-Mar-07	<1	<2	<2	<2	<0.0008			
MW-21	11-Apr-07	<1	<2	<2	<2	<0.0008			
MW-21	25-Apr-07	<0.5	<5	<0.5	<2	<0.0008			
MW-21	08-May-07	<0.5	<5	<0.5	<2	<0.0008			
MW-21	22-Jun-07	<1	<2	<2	<2	0.00095			
MW-21	11-Sep-07	<1	<2	<2	<2	0.0012		24.95	5944.50
MW-21	18-Dec-07	<1	<2	<2	<2	0.0038		23.81	5945.64
MW-21	04-Mar-08	<1	<2	<2	<2	<0.0008		23.12	5946.33
MW-21	17-Jun-08	<1	<2	<2	<2	<0.0008		20.80	5948.65
MW-21	30-Sep-08	<1	<2	<2	<2	0.0015		25.00	5944.45
MW-21	08-Dec-08	<1	<2	<2	<2	<0.0008		23.90	5945.55
MW-21	16-Mar-09	<1	<2	<2	<2	<0.0008		23.27	5946.18
MW-21	15-Jun-09	<1	<2	<2	<2	0.0011		21.55	5947.90
MW-21	16-Sep-09	<1	<2	<2	<2	0.002		25.12	5944.33
MW-21	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		24.24	5945.21
MW-22	21-Sep-04	<1	<2	<2	<2	0.025			
MW-22	14-Oct-04	<1	<2	<2	<2	0.061		13.50	5943.58
MW-22	10-Nov-04	<1	<2	<2	<2	0.023		13.20	5943.88
MW-22	14-Dec-04	<1	<2	<2	<2	0.069		12.42	5944.66
MW-22	13-Jan-05	<1	<2	<2	<2	0.03			
MW-22	09-Feb-05	<1	<2	<2	<2	0.0087		11.95	5945.13
MW-22	09-Mar-05	<1	<2	<2	<2	0.0043		11.89	5945.19
MW-22	09-Mar-05	<1	<2	<2	<2	0.0034		11.89	5945.19
MW-22	09-Mar-05	<0.5	<5	<0.5	<2	<0.01		11.89	5945.19
MW-22	13-Apr-05	<1	<2	<2	<2	0.0013		11.78	5945.30
MW-22	10-May-05	<1	<2	<2	<2	<0.0008		11.14	5945.94
MW-22	09-Jun-05	<1	<2	<2	<2	0.0066		8.11	5948.97
MW-22	12-Jul-05	<1	<2	<2	<2	0.021		8.64	5948.44
MW-22	09-Aug-05	<1	<2	<2	<2	0.0084		9.65	5947.43
MW-22	13-Sep-05	<1	<2	<2	<2	0.0025		10.56	5946.52
MW-22	12-Oct-05	<1	<2	<2	<2	0.004		10.56	5946.52

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-22	08-Nov-05	<1	<2	<2	<2	0.0042		10.16	5946.92
MW-22	08-Dec-05	<1	<2	<2	<2	<0.0008		9.82	5947.26
MW-22	11-Jan-06	<1	<2	<2	<2	0.007		9.06	5948.02
MW-22	15-Feb-06	<1	<2	<2	<2	0.0015		9.79	5947.29
MW-22	15-Mar-06	<1	<2	<2	<2	0.009		9.51	5947.57
MW-22	11-Apr-06	<1	<2	<2	<2	0.0052		9.05	5948.03
MW-22	11-May-06	<1	<2	<2	<2	<0.0008		9.43	5947.65
MW-22	13-Jun-06	<1	<2	<2	<2	0.0014			
MW-22	06-Sep-06	<1	<2	<2	<2	0.049		10.00	5947.08
MW-22	05-Dec-06	<1	<2	<2	<2	0.00085		10.56	5946.52
MW-22	13-Mar-07	<1	<2	<2	<2	<0.0008		9.95	5947.13
MW-22	22-Jun-07	<1	<2	<2	<2	<0.0008			
MW-22	11-Sep-07	<1	<2	<2	<2	<0.0008		11.45	5945.63
MW-22	18-Dec-07	<1	<2	<2	<2	<0.0008		9.92	5947.16
MW-22	04-Mar-08	<1	<2	<2	<2	<0.0008		9.43	5947.65
MW-22	17-Jun-08	<1	<2	<2	<2	<0.0008		7.21	5949.87
MW-22	30-Sep-08	<1	<2	<2	<2	<0.0008		11.55	5945.53
MW-22	08-Dec-08	<1	<2	<2	<2	<0.0008		10.25	5946.83
MW-22	16-Mar-09	<1	<2	<2	<2	<0.0008		9.67	5947.41
MW-22	15-Jun-09	<1	<2	<2	<2	<0.0008		8.35	5948.73
MW-22	16-Sep-09	<1	<2	<2	<2	<0.0008		11.74	5945.34
MW-22	15-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		10.60	5946.48
MW-23	23-Sep-04	<1	<2	<2	<2	3.7			
MW-23	14-Oct-04	<1	<2	<2	<2	5.5		17.05	5935.64
MW-23	10-Nov-04	<1	<2	<2	<2	6.1		17.20	5935.49
MW-23	14-Dec-04	<1	<2	<2	<2	6.6		15.71	5936.98
MW-23	13-Jan-05	<1	<2	<2	<2	7.2		16.02	5936.67
MW-23	10-Feb-05	<1	<2	<2	<2	4.3	0.0		
MW-23	09-Mar-05	<1	<2	<2	<2	4.1		16.58	5936.11
MW-23	13-Apr-05	<1	<2	<2	<2	7.5		16.08	5936.61
MW-23	11-May-05	<1	<2	<2	<2	4		14.51	5938.18
MW-23	09-Jun-05	<1	<2	<2	<2	4.9		13.15	5939.54
MW-23	13-Jul-05	<1	<2	<2	<2	3.4		13.33	5939.36
MW-23	10-Aug-05	<1	<2	<2	<2	3.6		15.14	5937.55
MW-23	12-Sep-05	<1	<2	<2	<2	4.4		16.93	5935.76
MW-23	11-Oct-05	<1	<2	<2	<2	3.3			
MW-23	09-Nov-05	<1	<2	<2	<2	3.5			
MW-23	08-Dec-05	<1	<2	<2	<2	3.2		16.08	5936.61
MW-23	12-Jan-06	<1	<2	<2	<2	3		16.16	5936.53
MW-23	15-Feb-06	<1	<2	<2	<2	5.5		16.03	5936.66
MW-23	16-Mar-06	<1	<2	<2	<2	7.3		16.15	5936.54
MW-23	11-Apr-06	<1	<2	<2	<2	5.3		14.80	5937.89
MW-23	11-May-06	<1	<2	<2	<2	4.6		13.15	5939.54
MW-23	13-Jun-06	<1	<2	<2	<2	0.92			
MW-23	21-Jul-06	<1	<2	<2	<2	2.4			
MW-23	28-Jul-06	<1	<2	<2	<2	3.6			
MW-23	04-Aug-06	<1	<2	<2	<2	4.2			
MW-23	11-Aug-06	<1	<2	<2	<2	4			
MW-23	16-Aug-06	<1	<2	<2	<2	3.3			
MW-23	24-Aug-06	<1	<2	<2	<2	5.4			
MW-23	31-Aug-06	<1	<2	<2	<2	5		17.39	5935.30
MW-23	06-Sep-06	<1	<2	<2	<2	2.9		17.29	5935.40
MW-23	13-Sep-06	<1	<2	<2	<2	5.5		17.36	5935.33
MW-23	21-Sep-06	<1	<2	<2	<2	4.8		17.45	5935.24
MW-23	27-Sep-06	<1	<2	<2	<2	4		17.22	5935.47
MW-23	06-Oct-06	<1	<2	<2	<2	4.6		17.18	5935.51
MW-23	12-Oct-06	<1	<2	<2	<2	5.7		17.21	5935.48

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-23	19-Oct-06	<1	<2	<2	<2	4.2		16.64	5936.05
MW-23	25-Oct-06	<1	<2	<2	<2	3.9		16.89	5935.80
MW-23	01-Nov-06	<1	<2	<2	<2	3.1		16.31	5936.38
MW-23	17-Nov-06	<1	<2	<2	<2	1.6		16.25	5936.44
MW-23	06-Dec-06	<1	<2	<2	<2	1.2		16.32	5936.37
MW-23	03-Jan-07	<1	<2	<2	<2	2.3			
MW-23	17-Jan-07	<1	<2	<2	<2	1.7			
MW-23	05-Feb-07	<1	<2	<2	<2	2.2			
MW-23	22-Feb-07	<1	<2	<2	<2	4		15.68	5937.01
MW-23	07-Mar-07	<1	<2	<2	<2	3.4		15.34	5937.35
MW-23	13-Mar-07	<1	<2	<2	<2	3.4	0.2	15.30	5937.39
MW-23	26-Mar-07	<1	<2	<2	<2	3.6			
MW-23	11-Apr-07	<1	<2	<2	<2	2.2			
MW-23	25-Apr-07	<0.5	<5	<2	<2	3.2			
MW-23	08-May-07	<0.5	<5	<2	<2	2.1			
MW-23	22-Jun-07	<1	<2	<2	<2	2.3			
MW-23	10-Sep-07	<1	<2	<2	<2	3.6		17.29	5935.40
MW-23	18-Dec-07	<1	<2	<2	<2	4.5		16.65	5936.04
MW-23	04-Mar-08	<1	<2	<2	<2	1.3		16.17	5936.52
MW-23	17-Jun-08	<1	<2	<2	<2	0.0012		12.16	5940.53
MW-23	29-Sep-08	<1	<2	<2	<2	0.72		17.10	5935.59
MW-23	08-Dec-08	<1	<2	<2	<2	0.45		14.77	5937.92
MW-23	16-Mar-09	<1	<2	<2	<2	0.37		15.52	5937.17
MW-23	15-Jun-09	<1	<2	<2	<2	<0.0008	<0.0008	11.62	5941.07
MW-23	16-Sep-09	<1	<2	<2	<2	<0.0008	<0.0008	17.00	5935.69
MW-23	16-Sep-09	<1	<2	<2	<2	0.0011		17.00	5935.69
MW-23	16-Dec-09	< 1	< 2	< 2	< 2	0.37		16.12	5936.57
MW-24	21-Sep-04	<1	<2	<2	<2	<0.0008			
MW-24	14-Oct-04	<1	<2	<2	<2	0.00082		5.25	5949.66
MW-24	10-Nov-04	<1	<2	<2	<2	<0.0008		6.00	5948.91
MW-24	14-Dec-04	<1	<2	<2	<2	<0.0008		6.54	5948.37
MW-24	13-Jan-05	<1	<2	<2	<2	<0.0008			
MW-24	10-Feb-05	<1	<2	<2	<2	<0.0008			
MW-24	09-Mar-05	<1	<2	<2	<2	<0.0008		6.95	5947.96
MW-24	13-Apr-05	<1	<2	<2	<2	<0.0008		7.28	5947.63
MW-24	11-May-05	<1	<2	<2	<2	<0.0008		2.64	5952.27
MW-24	09-Jun-05	<1	<2	<2	<2	<0.0008		7.08	5947.83
MW-24	13-Jul-05	<1	<2	<2	<2	<0.0008			
MW-24	10-Aug-05	<1	<2	<2	<2	<0.0008		5.02	5949.89
MW-24	10-Aug-05	<1	<2	<2	<2	<0.0008		5.02	5949.89
MW-24	10-Aug-05	<0.5	<5	<0.5	1.9	<0.01		5.02	5949.89
MW-24	12-Sep-05	<1	<2	<2	<2	<0.0008		5.35	5949.56
MW-24	12-Oct-05	<1	<2	<2	<2	<0.0008		5.83	5949.08
MW-24	09-Nov-05	<1	<2	<2	<2	<0.0008			
MW-24	09-Nov-05	<0.5	<5	<0.5	NA	<0.01			
MW-24	09-Nov-05	<1	<2	<2	<2	<0.0008			
MW-24	08-Dec-05	<1	<2	<2	<2	<0.0008		5.82	5949.09
MW-24	10-Jan-06	<1	<2	<2	<2	<0.0008		5.88	5949.03
MW-24	15-Feb-06	<1	<2	<2	<2	<0.0008		6.18	5948.73
MW-24	15-Feb-06	<1	<2	<2	<2	<0.0008		6.18	5948.73
MW-24	15-Feb-06	<0.5	<0.5	<0.5	<0.5	<0.0034		6.18	5948.73
MW-24	16-Mar-06	<1	<2	<2	<2	0.002		6.45	5948.46
MW-24	13-Apr-06	<1	<2	<2	<2	<0.0008		6.13	5948.78
MW-24	11-May-06	<1	<2	<2	<2	<0.0008		6.78	5948.13
MW-24	13-Jun-06	<1	<2	<2	<2	<0.0008			
MW-24	06-Sep-06	<1	<2	<2	<2	<0.0008		5.23	5949.68
MW-24	06-Dec-06	<1	<2	<2	<2	<0.0008		5.36	5949.55

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-24	06-Dec-06	<0.25	<0.25	<0.25	<0.25	0.00028		5.36	5949.55
MW-24	12-Mar-07	<1	<2	<2	<2	<0.0008		5.80	5949.11
MW-24	22-Jun-07	<1	<2	<2	<2	<0.0008			
MW-24	10-Sep-07	<1	<2	<2	<2	0.021		5.15	5949.76
MW-24	18-Dec-07	<1	<2	<2	<2	<0.0008		5.41	5949.50
MW-24	05-Mar-08	<1	<2	<2	<2	<0.0008		5.01	5949.90
MW-24	17-Jun-08	<1	<2	<2	<2	<0.0008		6.15	5948.76
MW-24	01-Oct-08	<1	<2	<2	<2	0.004		4.85	5950.06
MW-24	10-Dec-08	<1	<2	<2	<2	<0.0008		4.58	5950.33
MW-24	10-Dec-08	<1	<2	<2	<2	<0.0008		4.58	5950.33
MW-24	10-Dec-08	<1	<1	<1	<1	<0.001		4.58	5950.33
MW-24	17-Mar-09	<1	<2	<2	<2	<0.0008		5.45	5949.46
MW-24	16-Jun-09	<1	<2	<2	<2	0.014		3.89	5951.02
MW-24	17-Sep-09	<1	<2	<2	<2	0.6		4.38	5950.53
MW-24	16-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		5.52	5949.39
MW-25	21-Sep-04	<1	<2	<2	<2	0.093			
MW-25	13-Oct-04	<1	<2	<2	<2	0.029		2.57	5969.22
MW-25	09-Nov-04	<1	<2	<2	<2	0.06		3.30	5968.49
MW-25	13-Dec-04	<1	<2	<2	<2	0.087		2.54	5969.25
MW-25	08-Mar-05	<1	<2	<2	<2	0.17		4.02	5967.77
MW-25	12-Apr-05	<1	<2	<2	<2	0.065		4.74	5967.05
MW-25	09-May-05	<1	<2	<2	<2	0.08		2.89	5968.90
MW-25	08-Jun-05	<1	<2	<2	<2	0.067		2.08	5969.71
MW-25	11-Jul-05	<1	<2	<2	<2	0.041			
MW-25	08-Aug-05	<1	<2	<2	<2	0.06		2.51	5969.28
MW-25	12-Sep-05	<1	<2	<2	<2	0.4		2.68	5969.11
MW-25	11-Oct-05	<1	<2	<2	<2	0.0079		2.51	5969.28
MW-25	07-Nov-05	<1	<2	<2	<2	0.034			
MW-25	11-Apr-06	<1	<2	<2	<2	0.13		2.75	5969.04
MW-25	10-May-06	<1	<2	<2	<2	0.14		2.65	5969.14
MW-25	12-Jun-06	<1	<2	<2	<2	0.06			
MW-25	06-Sep-06	<1	<2	<2	<2	0.068		2.42	5969.37
MW-25	13-Mar-07	<1	<2	<2	<2	0.076			
MW-25	21-Jun-07	<1	<2	<2	<2	0.2			
MW-25	12-Sep-07	<1	<2	<2	<2	0.0023		2.71	5969.08
MW-25	17-Jun-08	<1	<2	<2	<2	0.0025		2.51	5969.28
MW-25	29-Sep-08								Lost
MW-25	08-Dec-08								Frozen
MW-25	17-Mar-09	<1	<2	<2	<2	<0.0008		3.30	5968.49
MW-25	15-Jun-09	<1	<2	<2	<2	0.011		4.03	5967.76
MW-25	17-Sep-09	<1	<2	<2	<2	0.11		3.73	5968.06
MW-25	15-Dec-09								Frozen
MW-26	21-Sep-04	<1	<2	<2	<2	0.82			
MW-26	14-Oct-04	<1	<2	<2	<2	1.4		4.15	5950.50
MW-26	10-Nov-04	<1	<2	<2	<2	4		4.90	5949.75
MW-26	14-Dec-04	<1	<2	<2	<2	2.4		4.81	5949.84
MW-26	13-Jan-05	<0.5	<5	<0.5	NA	0.5		5.79	5948.86
MW-26	13-Jan-05	<1	<2	<2	<2	2.4		5.79	5948.86
MW-26	13-Jan-05	<1	<2	<2	<2	2.1		5.79	5948.86
MW-26	10-Feb-05	<0.5	<5	<0.5	NA	2.9			
MW-26	10-Feb-05	<1	<2	<2	<2	3.2			
MW-26	10-Feb-05	<1	<2	<2	<2	2.9			
MW-26	09-Mar-05	<1	<2	<2	<2	3.4		4.25	5950.40
MW-26	13-Apr-05	<1	<2	<2	<2	3.3		4.15	5950.50
MW-26	13-Apr-05	<1	<2	<2	<2	3.3		4.15	5950.50
MW-26	13-Apr-05	<0.5	<2	<0.5	NA	3.7		4.15	5950.50

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-26	11-May-05	<1	<2	<2	<2	2.1		1.77	5952.88
MW-26	11-May-05	<0.5	<5	<0.5	NA	0.38		1.77	5952.88
MW-26	11-May-05	<1	<2	<2	<2	2.3		1.77	5952.88
MW-26	08-Jun-05	<1	<2	<2	<2	2.8		1.79	5952.86
MW-26	12-Jul-05	<1	<2	<2	<2	1.5		1.79	5952.86
MW-26	09-Aug-05	<1	<2	<2	<2	1		1.48	5953.17
MW-26	13-Sep-05	<1	<2	<2	<2	0.97		1.32	5953.33
MW-26	13-Sep-05	<1	<2	<2	<2	0.99		1.32	5953.33
MW-26	13-Sep-05	<0.5	<5	<0.5	NA	1.5		1.32	5953.33
MW-26	11-Oct-05	<1	<2	<2	<2	0.48		1.45	5953.20
MW-26	09-Nov-05	<1	<2	<2	<2	1.4		1.79	5952.86
MW-26	08-Dec-05	<1	<2	<2	<2	0.86		1.75	5952.90
MW-26	12-Jan-06	<1	<2	<2	<2	1.2		1.65	5953.00
MW-26	15-Feb-06	<1	<2	<2	<2	1		1.64	5953.01
MW-26	16-Mar-06	<1	<2	<2	<2	0.83		1.48	5953.17
MW-26	16-Mar-06	<0.25	<0.25	<0.25	<0.25	0.000377		1.48	5953.17
MW-26	12-Apr-06	<1	<2	<2	<2	0.45		1.13	5953.52
MW-26	12-Apr-06	<0.25	<0.25	<0.25	<0.25	0.858		1.13	5953.52
MW-26	11-May-06	<1	<2	<2	<2	0.75		1.55	5953.10
MW-26	11-May-06	<0.5	<0.5	<0.5	<0.5	0.877		1.55	5953.10
MW-26	13-Jun-06	<1	<2	<2	<2	0.63			
MW-26	13-Jun-06	<0.5	<0.5	<0.5	<0.5	0.767			
MW-26	07-Sep-06	<1	<5	<2	<2	1.5		1.20	5953.45
MW-26	06-Dec-06	<0.25	<0.25	<0.25	<0.25	0.355		0.98	5953.67
MW-26	06-Dec-06	<1	<2	<2	<2	1.1		0.98	5953.67
MW-26	06-Dec-06	<1	<2	<2	<2	0.76		0.98	5953.67
MW-26	12-Mar-07	<1	<2	<2	<2	0.56		0.70	5953.95
MW-26	21-Jun-07	<1	<2	<2	<2	0.62			
MW-26	11-Sep-07	<1	<2	<2	<2	1.4		1.00	5953.65
MW-26	18-Dec-07	<1	<2	<2	<2	0.036		1.73	5952.92
MW-26	04-Mar-08	<1	<2	<2	<2	0.35		0.60	5954.05
MW-26	17-Jun-08	<1	<2	<2	<2	0.55		1.30	5953.35
MW-26	17-Jun-08	<1	<1	<1	<2			1.30	5953.35
MW-26	01-Oct-08	<1	<2	<2	<2	1		1.60	5953.05
MW-26	09-Dec-08	<1	<2	<2	<2	0.73		1.25	5953.40
MW-26	09-Dec-08	<1	<2	<2	<2	0.79		1.25	5953.40
MW-26	09-Dec-08	<1	<1	<1	<1	0.145		1.25	5953.40
MW-26	17-Mar-09	<1	<2	<2	<2	0.14		1.59	5953.06
MW-26	16-Jun-09	<1	<2	<2	<2	0.33		1.00	5953.65
MW-26	17-Sep-09	<1	<2	<2	<2	0.049		1.60	5953.05
MW-26	16-Dec-09	< 1	< 2	< 2	< 2	0.27		1.60	5953.05
MW-26	16-Dec-09	< 1	< 2	< 2	< 2	0.33		1.60	5953.05
MW-27	23-Sep-04	<1	<2	<2	<2	0.00095			
MW-27	14-Oct-04	<1	<2	<2	<2	<0.0008		9.72	5946.50
MW-27	10-Nov-04	<1	<2	<2	<2	0.0011		7.30	5948.92
MW-27	14-Dec-04	<1	<2	<2	<2	0.00091		6.74	5949.48
MW-27	13-Jan-05	<1	<2	<2	<2	<0.0009		7.39	5948.83
MW-27	10-Feb-05	<1	<2	<2	<2	<0.0008			
MW-27	09-Mar-05	<1	<2	<2	<2	<0.0008		9.29	5946.93
MW-27	13-Apr-05	<1	<2	<2	<2	<0.0008		8.02	5948.20
MW-27	11-May-05	<1	<2	<2	<2	<0.0008		5.56	5950.66
MW-27	09-Jun-05	<1	<2	<2	<2	<0.0008		4.67	5951.55
MW-27	13-Jul-05	<1	<2	<2	<2	<0.0008		13.33	5942.89
MW-27	10-Aug-05	<1	<2	<2	<2	<0.0008		8.39	5947.83
MW-27	12-Sep-05	<1	<2	<2	<2	<0.0008		9.87	5946.35
MW-27	11-Oct-05	<1	<2	<2	<2	<0.0008			
MW-27	09-Nov-05	<1	<2	<2	<2	0.00086			

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-27	08-Dec-05	<1	<2	<2	<2	<0.0008		8.23	5947.99
MW-27	12-Jan-06	<1	<2	<2	<2	<0.0008		9.06	5947.16
MW-27	15-Feb-06	<1	<2	<2	<2	<0.0008		9.57	5946.65
MW-27	16-Mar-06	<1	<2	<2	<2	<0.0008		7.91	5948.31
MW-27	11-Apr-06	<1	<2	<2	<2	0.00083		6.45	5949.77
MW-27	11-May-06	<1	<2	<2	<2	<0.0008		4.15	5952.07
MW-27	13-Jun-06	<1	<2	<2	<2	<0.0008			
MW-27	06-Sep-06	<1	<2	<2	<2	<0.0008		11.04	5945.18
MW-27	06-Dec-06	<1	<2	<2	<2	<0.0008		8.82	5947.40
MW-27	13-Mar-07	<1	<2	<2	<2	<0.0008		5.90	5950.32
MW-27	22-Jun-07	<1	<2	<2	<2	<0.0008			
MW-27	10-Sep-07	<1	<2	<2	<2	<0.0008		11.21	5945.01
MW-27	18-Dec-07	<1	<2	<2	<2	<0.0008		10.95	5945.27
MW-27	04-Mar-08	<1	<2	<2	<2	<0.0008		9.75	5946.47
MW-27	17-Jun-08	<1	<2	<2	<2	<0.0008		5.47	5950.75
MW-27	29-Sep-08	<1	<2	<2	<2	<0.0008	<0.0008	11.35	5944.87
MW-27	09-Dec-08	<1	<2	<2	<2	<0.0008	<0.0008	5.75	5950.47
MW-27	16-Mar-09	<1	<2	<2	<2	<0.0008		8.21	5948.01
MW-27	15-Jun-09	<1	<2	<2	<2	<0.0008		3.85	5952.37
MW-27	16-Sep-09	<1	<2	<2	<2	0.0015		11.42	5944.80
MW-27	16-Dec-09	< 1	< 2	< 2	< 2	< 0.0008		8.90	5947.32
EP-01	08-Apr-04	< 1	< 2	< 2	< 2	0.015			
E2	16-Sep-04	< 1	< 2	< 2	< 2	0.16			
E2	20-Apr-05	< 1	< 2	< 2	< 2	0.0015			
E2	18-May-05	< 1	< 2	< 2	< 2	0.0035			
E2	09-Jun-05	< 1	< 2	< 2	< 2	0.43			
E2-D	09-Jun-05	< 1	< 2	< 2	< 2	0.51			
E2-S	09-Jun-05	< 0.5	< 5	< 0.5	< 1.5	0.13			
E2	13-Jul-05	< 1	< 2	< 2	< 2	0.41			
E2	10-Aug-05	< 1	< 2	< 2	< 2	0.23			
E2	08-Sep-05	< 1	< 2	< 2	< 2	0.11			
E2	06-Oct-05	< 1	< 2	< 2	< 2	0.12			
E2	03-Nov-05	< 1	< 2	< 2	< 2	0.095			
E2	12-Dec-05	< 1	< 2	< 2	< 2	0.0012			
E2	10-Jan-06	< 1	< 2	< 2	< 2	0.037			
E2	15-Feb-06	< 1	< 2	< 2	< 2	0.027			
E2	16-Mar-06	< 1	< 2	< 2	< 2	0.13			
E2	11-Apr-06	< 1	< 2	< 2	< 2	0.16			
E2	03-May-06	< 1	< 2	< 2	< 2	0.14			
E2	06-Jun-06	< 1	< 2	< 2	< 2	0.059			
E2	21-Jul-06	< 1	< 2	< 2	< 2	0.16			
E2	28-Jul-06	< 1	< 2	< 2	< 2	0.068			
E2	04-Aug-06	< 1	< 2	< 2	< 2	0.085			
E2	11-Aug-06	< 1	< 2	< 2	< 2	0.051			
E2	16-Aug-06	< 1	< 2	< 2	< 2	0.064			
E2	24-Aug-06	< 1	< 2	< 2	< 2	0.05			
E2	31-Aug-06	< 1	< 2	< 2	< 2	0.041			
E2	06-Sep-06	< 1	< 2	< 2	< 2	0.038			
E2	13-Sep-06	< 1	< 2	< 2	< 2	0.03			
E2	21-Sep-06	< 1	< 2	< 2	< 2	0.052			
E2	27-Sep-06	< 1	< 2	< 2	< 2	0.018			
E2	06-Oct-06	< 1	< 2	< 2	< 2	0.013			
E2	12-Oct-06	< 1	< 2	< 2	< 2	0.028			
E2	19-Oct-06	< 1	< 2	< 2	< 2	0.016			
E2	25-Oct-06	< 1	< 2	< 2	< 2	0.0061			
E2-D	25-Oct-06	< 1	< 2	< 2	< 2	0.0098			
E2-S	25-Oct-06	< 0.25	< 0.25	< 0.25	< 0.5	0.00274			

Appendix B

Summary of Historical Groundwater Analytical Results and Groundwater Elevations
Encana, West Divide Creek Seep
Garfield County, Colorado

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
E2	01-Nov-06	< 1	< 2	< 2	< 2	0.0076			
E2	17-Nov-06	< 1	< 2	< 2	< 2	0.0025			
E2	06-Dec-06	< 1	< 2	< 2	< 2	0.0067			
E2	03-Jan-07	< 1	< 2	< 2	< 2	0.0075			
E2	17-Jan-07	< 1	< 2	< 2	< 2	0.0095			
E2	05-Feb-07	< 1	< 2	< 2	< 2	0.011			
E2	22-Feb-07	< 1	< 2	< 2	< 2	0.024			
E2	07-Mar-07	< 1	< 2	< 2	< 2	0.02			
E2	13-Mar-07	< 1	< 2	< 2	< 2	0.018			
E2	26-Mar-07	< 1	< 2	< 2	< 2	0.032			
E2	11-Apr-07	< 1	< 2	< 2	< 2	0.049			
E2	25-Apr-07	< 0.5	< 5	< 0.5	NS	0.055			
E2	08-May-07	< 0.5	< 5	< 0.5	NS	0.054			
E2	30-May-07	< 1	< 2	< 2	< 2	0.012			
E2	13-Jun-07	< 1	< 2	< 2	< 2	0.0095			
E2	22-Jun-07	< 1	< 2	< 2	< 2	0.0096			
E2	05-Jul-07	< 1	< 2	< 2	< 2	0.017			
E2	20-Jul-07	< 1	< 2	< 2	< 2	0.047			
E2	02-Aug-07	< 1	< 2	< 2	< 2	0.082			
E2	15-Aug-07	< 1	< 2	< 2	< 2	0.1			
E2	10-Sep-07	< 1	< 2	< 2	< 2	0.043			
E2	24-Sep-07	< 1	< 2	< 2	< 2	0.11			
E2	09-Oct-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	24-Oct-07	< 0.5	< 5	< 0.5	< 2	< 0.0008			
EDC-1	02-Nov-07	< 1	< 2	< 2	< 2	0.0041			
EDC-2	02-Nov-07	< 0.5	< 5	< 0.5	NS	0.0089			
E2	07-Nov-07	< 0.5	< 5	< 0.5	< 2	< 0.0008			
E2	20-Nov-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	04-Dec-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	18-Dec-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	03-Jan-08	< 1	< 2	< 2	< 2	0.012			
E2	04-Mar-08	< 1	< 2	< 2	< 2	0.0095			
EICH1	21-May-08	< 0.5	< 5	< 0.5	< 1.5	< 0.01			
ECH2WW	29-Sep-08	< 1	< 2	< 2	< 2	< 0.0008			
EICH1	01-Dec-08	< 0.5	< 5	< 0.5	< 1.5	< 0.010			
EICH2	16-Mar-09	< 1	< 2	< 2	< 2	< 0.0008			
EICH2	15-Jun-09	<1	<2	<2	<2	0.087			
EICH2WW	16-Sep-09	<1	<2	<2	<2	0.1			
EICH2	16-Dec-09	< 1	< 2	< 2	< 2	< 0.0008			
LANGWW	17-Sep-09	<1	<2	<2	<2	< 0.0008			
Bold - indicates value exceeds state standard				DTW - depth to water below measuring point					
mg/l - milligrams/liter				**ft - feet**				ft-msl - feet above mean sea level	
ug/l - micrograms/liter				Blank cell - indicates not analyzed or not obtained					
Total number of all groundwater samples over all dates = 1100									

APPENDIX C

Historical Surface-Water Results
included as .pdf file on CD in back

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-1	13-Apr-04	<1	<2	<2	<2	0.0055	
DCS-1	14-Apr-04	<1	<2	<2	<2	0.0039	
DCS-1	15-Apr-04	<1	<2	<2	<2	0.0077	
DCS-1	16-Apr-04	<1	<2	<2	<2	0.011	
DCS-1	17-Apr-04	<1	<2	<2	<2	0.015	
DCS-1	18-Apr-04	<1	<2	<2	<2	0.018	
DCS-1	19-Apr-04	<1	<2	<2	<2	0.0031	
DCS-1	26-Apr-04	<1	<2	<2	<2	0.003	
DCS-1	29-Apr-04	<1	<2	<2	<2	0.0015	
DCS-1	03-May-04	<1	<2	<2	<2	0.0011	
DCS-1	02-Jun-04	<1	<2	<2	<2	0.0013	
DCS-1	08-Jul-04	<1	<2	<2	<2	0.0016	
DCS-1	03-Aug-04	<1	<2	<2	<2	0.0025	
DCS-1	14-Sep-04	<1	<2	<2	<2	0.0014	
DCS-1	12-Oct-04	<1	<2	<2	<2	0.02	
DCS-1	26-Oct-04	<1	<2	<2	<2	0.026	
DCS-1	27-Oct-04	<1	<2	<2	<2	0.021	
DCS-1	28-Oct-04	<1	<2	<2	<2	0.023	
DCS-1	29-Oct-04	<1	<2	<2	<2	0.027	
DCS-1	30-Oct-04	<1	<2	<2	<2	0.026	
DCS-1	31-Oct-04	<1	<2	<2	<2	0.028	
DCS-1	01-Nov-04	<1	<2	<2	<2	0.027	
DCS-1	02-Nov-04	<1	<2	<2	<2	0.05	
DCS-1	03-Nov-04	<1	<2	<2	<2	0.029	
DCS-1	04-Nov-04	<1	<2	<2	<2	0.042	
DCS-1	05-Nov-04	<1	<2	<2	<2	0.035	
DCS-1	06-Nov-04	<1	<2	<2	<2	0.037	
DCS-1	07-Nov-04	<1	<2	<2	<2	0.032	
DCS-1	08-Nov-04	<1	<2	<2	<2	0.018	
DCS-1	09-Nov-04	<1	<2	<2	<2	0.022	
DCS-1	10-Nov-04	<1	<2	<2	<2	0.024	
DCS-1	11-Nov-04	<1	<2	<2	<2	0.026	
DCS-1	12-Nov-04	<1	<2	<2	<2	0.028	
DCS-1	19-Nov-04	<1	<2	<2	<2	0.033	
DCS-1	23-Nov-04	<1	<2	<2	<2	0.057	
DCS-1	02-Dec-04	<1	<2	<2	<2	0.086	
DCS-1	09-Dec-04	<1	<2	<2	<2	0.002	
DCS-1	15-Dec-04	<1	<2	<2	<2	0.0019	
DCS-1	20-Dec-04	<1	<2	<2	<2	0.002	
DCS-1	23-Dec-04	<1	<2	<2	<2	0.0013	
DCS-1	06-Jan-05	<1	<2	<2	<2	0.0015	
DCS-1	10-Jan-05	<1	<2	<2	<2	0.0022	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-1	10-Jan-05	<1	<2	<2	<2	0.0023	
DCS-1	10-Jan-05	<0.5	<5	<0.5	NA	<0.01	
DCS-1	20-Jan-05	<1	<2	<2	<2	0.0013	
DCS-1	26-Jan-05	<1	<2	<2	<2	0.00095	
DCS-1	04-Feb-05	<1	<2	<2	<2	0.0013	
DCS-1	07-Feb-05	<1	<2	<2	<2	0.0013	
DCS-1	16-Feb-05	<1	<2	<2	<2	0.0013	
DCS-1	24-Feb-05	<1	<2	<2	<2	0.0011	
DCS-1	03-Mar-05	<1	<2	<2	<2	0.0013	
DCS-1	07-Mar-05	<1	<2	<2	<2	0.0014	
DCS-1	07-Mar-05	<1	<2	<2	<2	0.0014	
DCS-1	07-Mar-05	<0.5	<5	<0.5	NA	<0.01	
DCS-1	18-Mar-05	<1	<2	<2	<2	0.0011	
DCS-1	23-Mar-05	<1	<2	<2	<2	0.0063	
DCS-1	29-Mar-05	<1	<2	<2	<2	<0.0008	
DCS-1	07-Apr-05	<1	<2	<2	<2	0.0062	
DCS-1	11-Apr-05	<1	<2	<2	<2	0.01	
DCS-1	20-Apr-05	<1	<2	<2	<2	<0.0008	
DCS-1	27-Apr-05	<1	<2	<2	<2	<0.0008	
DCS-1	05-May-05	<1	<2	<2	<2	<0.0008	
DCS-1	09-May-05	<1	<2	<2	<2	<0.0008	
DCS-1	18-May-05	<1	<2	<2	<2	<0.0008	
DCS-1	25-May-05	<1	<2	<2	<2	<0.0008	
DCS-1	02-Jun-05	<1	<2	<2	<2	0.0018	
DCS-1	08-Jun-05	<1	<2	<2	<2	0.0019	
DCS-1	15-Jun-05	<1	<2	<2	<2	0.0026	
DCS-1	21-Jun-05	<1	<2	<2	<2	0.0011	
DCS-1	30-Jun-05	<1	<2	<2	<2	0.0012	
DCS-1	07-Jul-05	<1	<2	<2	<2	0.0013	
DCS-1	11-Jul-05	<1	<2	<2	<2	0.0013	
DCS-1	21-Jul-05	<1	<2	<2	<2	0.0018	
DCS-1	27-Jul-05	<1	<2	<2	<2	0.0011	
DCS-1	03-Aug-05	<1	<2	<2	<2	0.0014	
DCS-1	08-Aug-05	<1	<2	<2	<2	0.0014	
DCS-1	16-Aug-05	<1	<2	<2	<2	0.0022	
DCS-1	24-Aug-05	<1	<2	<2	<2	0.0015	
DCS-1	02-Sep-05	<1	<2	<2	<2	0.0017	
DCS-1	09-Sep-05	<1	<2	<2	<2	0.0021	
DCS-1	13-Sep-05	<1	<2	<2	<2	0.0014	
DCS-1	22-Sep-05	<1	<2	<2	<2	<0.0008	
DCS-1	29-Sep-05	<1	<2	<2	<2	<0.0008	
DCS-1	06-Oct-05	<1	<2	<2	<2	0.006	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-1	10-Oct-05	<1	<2	<2	<2	0.0015	
DCS-1	20-Oct-05	<1	<2	<2	<2	0.0063	
DCS-1	27-Oct-05	<1	<2	<2	<2	0.0061	
DCS-1	03-Nov-05	<1	<2	<2	<2	0.0012	
DCS-1	07-Nov-05	<1	<2	<2	<2	0.0012	
DCS-1	17-Nov-05	<1	<2	<2	<2	0.0011	
DCS-1	22-Nov-05	<1	<2	<2	<2	0.0017	
DCS-1	29-Nov-05	<1	<2	<2	<2	0.0016	
DCS-1	06-Dec-05	<1	<2	<2	<2	0.0013	
DCS-1	14-Dec-05	<1	<2	<2	<2	0.0014	
DCS-1	21-Dec-05	<1	<2	<2	<2	<0.0008	
DCS-1	29-Dec-05	<1	<2	<2	<2	<0.0008	
DCS-1	05-Jan-06	<1	<2	<2	<2	<0.0008	
DCS-1	09-Jan-06	<1	<2	<2	<2	<0.0008	
DCS-1	18-Jan-06	<1	<2	<2	<2	<0.0008	
DCS-1	24-Jan-06	<1	<2	<2	<2	0.0011	
DCS-1	01-Feb-06	<1	<2	<2	<2	0.00089	
DCS-1	09-Feb-06	<0.5	<1	<1	NA	0.003	
DCS-1	13-Feb-06	<0.5	<1	<1	NA	<0.0008	
DCS-1	22-Feb-06	<1	<2	<2	<2	0.00081	
DCS-1	01-Mar-06	<1	<2	<2	<2	<0.0008	
DCS-1	09-Mar-06	<1	<2	<2	<2	0.00084	
DCS-1	14-Mar-06	<1	<2	<2	<2	<0.0008	
DCS-1	22-Mar-06	<1	<2	<2	<2	0.0017	
DCS-1	30-Mar-06	<1	<2	<2	<2	<0.0008	
DCS-1	05-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-1	10-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-1	20-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-1	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-1	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-1	09-May-06	<1	<2	<2	<2	<0.0008	
DCS-1	13-Jun-06	<1	<2	<2	<2	0.0016	
DCS-1	05-Sep-06	<1	<5	<2	<2	0.0019	
DCS-1	04-Dec-06	<1	<5	<2	<2	0.0015	
DCS-1	04-Dec-06	<0.25	<0.25	<0.25	NA	0.0005	
DCS-1	12-Mar-07	<1	<5	<2	<2	<0.0008	
DCS-1	21-Jun-07	<1	<2	<2	<2	<0.0008	
DCS-1	13-Sep-07	<1	<2	<2	<2	0.0018	
DCS-1	17-Dec-07	<1	<2	<2	<2	0.0015	
DCS-1	03-Mar-08	<1	<2	<2	<2	<0.0008	
DCS-1	18-Jun-08	<1	<2	<2	<2	0.0012	
DCS-1	29-Sep-08	<1	<2	<2	<2	0.0019	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-1	10-Dec-08	<1	<2	<2	<2	<0.0008	
DCS-1	17-Mar-09	<1	<2	<2	<2	<0.0008	
DCS-1	17-Mar-09	<1	<2	<2	<2	<0.0008	
DCS-1	17-Mar-09	<1	<1	<1	<1	<0.001	
DCS-1	16-Jun-09	<1	<2	<2	<2	0.0015	
DCS-1	17-Sep-09	<1	<2	<2	<2	0.0015	
DCS-1	16-Dec-09	<1	<2	<2	<2	0.0013	
DCS-2	13-Apr-04	1.4	<2	<2	<2	0.1	
DCS-2	14-Apr-04	1.1	<2	<2	<2	0.11	
DCS-2	15-Apr-04	1.6	<2	<2	<2	0.12	
DCS-2	16-Apr-04	3.5	2.6	<2	<2	0.24	
DCS-2	17-Apr-04	3.5	2.6	<2	<2	0.28	
DCS-2	18-Apr-04	2.9	2.1	<2	<2	0.19	
DCS-2	19-Apr-04	<1	<2	<2	<2	0.034	
DCS-2	26-Apr-04	<1	<2	<2	<2	0.027	
DCS-2	29-Apr-04	<1	<2	<2	<2	0.0025	
DCS-2	03-May-04	<1	<2	<2	<2	0.007	
DCS-2	02-Jun-04	<1	<2	<2	<2	0.0027	
DCS-2	09-Jun-04	<1	<2	<2	<2	0.0028	
DCS-2	17-Jun-04	<1	<2	<2	<2	0.0023	
DCS-2	24-Jun-04	<1	<2	<2	<2	0.015	
DCS-2	30-Jun-04	<1	<2	<2	<2	0.0052	
DCS-2	08-Jul-04	<1	<2	<2	<2	0.0064	
DCS-2	15-Jul-04	<1	<2	<2	<2	0.0065	
DCS-2	22-Jul-04	<1	<2	<2	<2	0.0077	
DCS-2	29-Jul-04	<1	<2	<2	<2	0.0074	
DCS-2	03-Aug-04	<1	<2	<2	<2	0.011	
DCS-2	11-Aug-04	<1	<2	<2	<2	0.014	
DCS-2	17-Aug-04	1.9	<2	<2	<2	0.012	
DCS-2	14-Sep-04	<1	<2	<2	<2	0.013	
DCS-2	12-Oct-04	4.3	<2	<2	<2	0.36	
DCS-2	12-Oct-04	4.1	<2	<2	<2	0.36	
DCS-2	12-Oct-04	3.6	<2	<2	NA	0.18	
DCS-2	26-Oct-04	2.9	<2	<2	<2	0.29	
DCS-2	27-Oct-04	2.2	<2	<2	<2	0.18	
DCS-2	28-Oct-04	2.5	<2	<2	<2	0.28	
DCS-2	29-Oct-04	2.4	<2	<2	<2	0.25	
DCS-2	30-Oct-04	3.2	<2	<2	<2	0.28	
DCS-2	31-Oct-04	1.3	<2	<2	<2	0.18	
DCS-2	01-Nov-04	3.5	<2	<2	<2	0.33	
DCS-2	02-Nov-04	4.1	<2	<2	<2	0.59	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-2	03-Nov-04	3.3	<2	<2	<2	0.32	
DCS-2	04-Nov-04	4.4	<2	<2	<2	0.61	
DCS-2	05-Nov-04	**5.9**	<2	<2	<2	0.56	
DCS-2	06-Nov-04	4.4	<2	<2	<2	0.46	
DCS-2	07-Nov-04	4.2	<2	<2	<2	0.44	
DCS-2	08-Nov-04	3	<2	<2	<2	0.18	
DCS-2	09-Nov-04	3.7	<2	<2	<2	0.29	
DCS-2	10-Nov-04	4.5	<2	<2	<2	0.37	
DCS-2	11-Nov-04	3.3	<2	<2	<2	0.28	
DCS-2	12-Nov-04	<1	<2	<2	<2	0.3	
DCS-2	19-Nov-04	2.8	<2	<2	<2	0.3	
DCS-2	23-Nov-04	**5.1**	<2	<2	<2	0.57	
DCS-2	02-Dec-04	2.4	<2	<2	<2	0.42	
DCS-2	09-Dec-04	<1	<2	<2	<2	0.059	
DCS-2	15-Dec-04	<1	<2	<2	<2	0.035	
DCS-2	20-Dec-04	**360**	130	16	NA	12	
DCS-2	23-Dec-04	<1	<2	<2	<2	0.018	
DCS-2	06-Jan-05	<1	<2	<2	<2	0.0055	
DCS-2	10-Jan-05	<1	<2	<2	<2	0.041	
DCS-2	20-Jan-05	<1	<2	<2	<2	0.0031	
DCS-2	26-Jan-05	<1	<2	<2	<2	0.0035	
DCS-2	04-Feb-05	<1	<2	<2	<2	0.0038	
DCS-2	07-Feb-05	<1	<2	<2	<2	0.0035	
DCS-2	16-Feb-05	<1	<2	<2	<2	0.0045	0.003
DCS-2	24-Feb-05	<1	<2	<2	<2	0.0038	
DCS-2	03-Mar-05	<1	<2	<2	<2	0.003	
DCS-2	07-Mar-05	<1	<2	<2	<2	0.0048	
DCS-2	18-Mar-05	<1	<2	<2	<2	0.0035	
DCS-2	23-Mar-05	<1	<2	<2	<2	0.056	
DCS-2	29-Mar-05	<1	<2	<2	<2	0.0019	
DCS-2	07-Apr-05	1	<2	<2	<2	0.064	
DCS-2	11-Apr-05	2	<2	<2	<2	0.11	
DCS-2	20-Apr-05	<1	<2	<2	<2	<0.0008	
DCS-2	27-Apr-05	<1	<2	<2	<2	0.00088	
DCS-2	05-May-05	<1	<2	<2	<2	<0.0008	
DCS-2	09-May-05	<1	<2	<2	<2	0.0084	
DCS-2	09-May-05	<1	<2	<2	<2	0.0098	
DCS-2	18-May-05	<1	<2	<2	<2	0.001	
DCS-2	25-May-05	<1	<2	<2	<2	0.0018	
DCS-2	02-Jun-05	<1	<2	<2	<2	0.0023	
DCS-2	08-Jun-05	<1	<2	<2	<2	0.003	
DCS-2	15-Jun-05	<1	<2	<2	<2	0.0027	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-2	21-Jun-05	<1	<2	<2	<2	0.0013	
DCS-2	30-Jun-05	<1	<2	<2	<2	0.0015	
DCS-2	07-Jul-05	<1	<2	<2	<2	0.0023	
DCS-2	11-Jul-05	<1	<2	<2	<2	0.0021	
DCS-2	21-Jul-05	<1	<2	<2	<2	0.0036	
DCS-2	27-Jul-05	<1	<2	<2	<2	0.0023	
DCS-2	08-Aug-05	<1	<2	<2	<2	0.0052	
DCS-2	16-Aug-05	<1	<2	<2	<2	0.006	
DCS-2	24-Aug-05	<1	<2	<2	<2	0.0044	
DCS-2	02-Sep-05	<1	<2	<2	<2	0.01	
DCS-2	09-Sep-05	<1	<2	<2	<2	0.014	
DCS-2	13-Sep-05	<1	<2	<2	<2	0.0063	
DCS-2	22-Sep-05	<1	<2	<2	<2	0.0012	
DCS-2	29-Sep-05	<1	<2	<2	<2	0.0014	
DCS-2	06-Oct-05	<1	<2	<2	<2	0.048	
DCS-2	10-Oct-05	<1	<2	<2	<2	0.012	
DCS-2	20-Oct-05	<1	<2	<2	<2	0.043	
DCS-2	27-Oct-05	<1	<2	<2	<2	0.051	
DCS-2	07-Nov-05	<1	<2	<2	<2	0.0022	
DCS-2	17-Nov-05	<1	<2	<2	<2	0.0038	
DCS-2	22-Nov-05	<1	<2	<2	<2	0.0096	
DCS-2	29-Nov-05	<1	<2	<2	<2	0.015	
DCS-2	06-Dec-05	<1	<2	<2	<2	0.005	
DCS-2	14-Dec-05	<1	<2	<2	<2	0.065	
DCS-2	21-Dec-05	<1	<2	<2	<2	0.0062	
DCS-2	29-Dec-05	<1	<2	<2	<2	0.0052	
DCS-2	05-Jan-06	<1	<2	<2	<2	0.0046	
DCS-2	09-Jan-06	<1	<2	<2	<2	0.0035	
DCS-2	18-Jan-06	<1	<2	<2	<2	0.01	
DCS-2	24-Jan-06	<1	<2	<2	<2	0.0098	
DCS-2	01-Feb-06	<1	<2	<2	<2	0.0049	
DCS-2	09-Feb-06	<0.5	<1	<1	<1	0.028	
DCS-2	13-Feb-06	<0.5	<1	<1	<1	-999.9	
DCS-2	22-Feb-06	<1	<2	<2	<2	0.0039	
DCS-2	01-Mar-06	<1	<2	<2	<2	<0.0008	
DCS-2	09-Mar-06	<1	<2	<2	<2	0.0021	
DCS-2	14-Mar-06	<1	<2	<2	<2	0.0014	
DCS-2	22-Mar-06	<1	<2	<2	<2	0.0052	
DCS-2	30-Mar-06	<1	<2	<2	<2	0.0012	
DCS-2	05-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-2	10-Apr-06	<0.25	<0.25	<0.25	<0.25	0.00061	
DCS-2	10-Apr-06	<1	<2	<2	<2	<0.0008	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-2	20-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-2	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-2	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-2	09-May-06	<1	<2	<2	<2	<0.0008	
DCS-2	13-Jun-06	<1	<2	<2	<2	0.019	
DCS-2	05-Sep-06	<1	<5	<2	<2	0.0054	0.000
DCS-2	05-Sep-06	<0.25	<0.25	<0.25	<0.25	0.00269	
DCS-2	04-Dec-06	<1	<5	<2	<2	0.014	0.007
DCS-2	12-Mar-07	<1	<5	<2	<2	0.0735	
DCS-2	12-Mar-07	<1	<5	<2	<2	0.072	0.042
DCS-2	12-Mar-07	<1	<5	<2	<2	0.11	
DCS-2	21-Jun-07	<1	<2	<2	<2	0.0019	
DCS-2	21-Jun-07	<0.25	<0.25	<0.25	<0.25	0.991	
DCS-2	13-Sep-07	<1	<2	<2	<2	0.02	
DCS-2	17-Dec-07	<1	<2	<2	<2	0.0018	
DCS-2	03-Mar-08	<1	<2	<2	<2	0.00096	
DCS-2	03-Mar-08	<1	<2	<2	<2	0.0011	0.000
DCS-2	03-Mar-08	<0.5	<0.5	<0.5	<0.5	0.000488	
DCS-2	18-Jun-08	<1	<2	<2	<2	0.0013	<0.0013
DCS-2	29-Sep-08	<1	<2	<2	<2	0.0059	<0.0059
DCS-2	10-Dec-08	<1	<2	<2	<2	0.0022	<0.0008
DCS-2	17-Mar-09	<1	<2	<2	<2	<0.0008	<0.0008
DCS-2	16-Jun-09	<1	<2	<2	<2	0.0017	<0.0008
DCS-2	17-Sep-09	<1	<2	<2	<2	0.0029	<0.0008
DCS-2	16-Dec-09	<1	<2	<2	<2	0.0032	0.002
DCS-3	03-Nov-05	<1	<2	<2	<2	0.0035	
DCS-3	13-Apr-04	3.1	2.6	<2	<2	0.22	
DCS-3	14-Apr-04	2.3	<2	<2	<2	0.15	
DCS-3	15-Apr-04	**6.6**	5.2	<2	<2	0.35	
DCS-3	16-Apr-04	**5.7**	4.2	<2	<2	0.38	
DCS-3	16-Apr-04	**5.8**	4.2	<2	<2	0.33	
DCS-3	17-Apr-04	**9.1**	7	<2	<2	0.46	
DCS-3	18-Apr-04	**6.4**	4.7	<2	<2	0.4	
DCS-3	19-Apr-04	1.4	<2	<2	<2	0.098	
DCS-3	26-Apr-04	<1	<2	<2	<2	0.081	
DCS-3	29-Apr-04	<1	<2	<2	<2	0.018	
DCS-3	03-May-04	<1	<2	<2	<2	0.027	
DCS-3	26-May-04	<1	<2	<2	<2	0.023	
DCS-3	02-Jun-04	<1	<2	<2	<2	0.014	
DCS-3	09-Jun-04	<1	<2	<2	<2	0.019	
DCS-3	17-Jun-04	<1	<2	<2	<2	0.013	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-3	24-Jun-04	<1	<2	<2	<2	0.0029	
DCS-3	30-Jun-04	<1	<2	<2	<2	0.02	
DCS-3	08-Jul-04	<1	<2	<2	<2	0.033	
DCS-3	15-Jul-04	<1	<2	<2	<2	0.041	
DCS-3	22-Jul-04	<1	<2	<2	<2	0.048	
DCS-3	29-Jul-04	<1	<2	<2	<2	0.046	
DCS-3	03-Aug-04	<1	<2	<2	<2	0.066	
DCS-3	11-Aug-04	<1	<2	<2	<2	0.072	
DCS-3	17-Aug-04	<1	<2	<2	<2	0.083	
DCS-3	14-Sep-04	<1	<2	<2	<2	0.084	0.049
DCS-3	12-Oct-04	**6.2**	<2	<2	<2	0.67	
DCS-3	26-Oct-04	**5.8**	<2	<2	<2	0.64	
DCS-3	27-Oct-04	**5.3**	<2	<2	<2	0.56	
DCS-3	28-Oct-04	4.4	<2	<2	<2	0.48	
DCS-3	29-Oct-04	4.3	<2	<2	<2	0.43	
DCS-3	30-Oct-04	<1	<2	<2	<2	0.59	
DCS-3	31-Oct-04	**6.3**	<2	<2	<2	0.58	
DCS-3	01-Nov-04	**5.5**	<2	<2	<2	0.62	
DCS-3	02-Nov-04	**6.5**	<2	<2	<2	1.2	
DCS-3	03-Nov-04	**5.7**	<2	<2	<2	0.53	
DCS-3	04-Nov-04	**5.4**	<2	<2	<2	0.74	
DCS-3	05-Nov-04	**9.7**	<2	<2	<2	0.86	
DCS-3	06-Nov-04	4.9	<2	<2	<2	0.71	
DCS-3	07-Nov-04	3.9	<2	<2	<2	0.6	
DCS-3	08-Nov-04	**5.1**	<2	<2	<2	0.39	
DCS-3	09-Nov-04	**5.7**	<2	<2	<2	0.58	
DCS-3	10-Nov-04	**5.4**	<2	<2	<2	0.57	
DCS-3	11-Nov-04	**7.1**	<2	<2	<2	0.63	
DCS-3	12-Nov-04	1.2	<2	<2	<2	0.77	
DCS-3	19-Nov-04	5.9	<2	<2	<2	0.74	
DCS-3	23-Nov-04	**9.2**	<2	<2	<2	0.98	
DCS-3	02-Dec-04	**12**	<2	<2	<2	1.5	
DCS-3	09-Dec-04	<0.5	<5	<0.5	NA	0.058	
DCS-3	09-Dec-04	<1	<2	<2	<2	0.079	
DCS-3	09-Dec-04	<1	<2	<2	<2	0.077	
DCS-3	15-Dec-04	<1	<2	<2	<2	0.006	
DCS-3	20-Dec-04	<1	<2	<2	<2	0.0052	
DCS-3	23-Dec-04	<1	<2	<2	<2	0.03	
DCS-3	06-Jan-05	<1	<2	<2	<2	0.039	
DCS-3	10-Jan-05	<1	<2	<2	<2	0.088	0.045
DCS-3	20-Jan-05	<1	<2	<2	<2	0.022	
DCS-3	26-Jan-05	<1	<2	<2	<2	0.018	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-3	04-Feb-05	<1	<2	<2	<2	0.025	
DCS-3	07-Feb-05	<1	<2	<2	<2	0.02	
DCS-3	16-Feb-05	<1	<2	<2	<2	0.025	0.020
DCS-3	24-Feb-05	<1	<2	<2	<2	0.016	
DCS-3	03-Mar-05	<1	<2	<2	<2	0.014	
DCS-3	07-Mar-05	<1	<2	<2	<2	0.025	
DCS-3	18-Mar-05	<1	<2	<2	<2	0.023	
DCS-3	23-Mar-05	2.1	<2	<2	<2	0.13	
DCS-3	29-Mar-05	<1	<2	<2	<2	0.0089	
DCS-3	07-Apr-05	1.9	<2	<2	<2	0.17	
DCS-3	11-Apr-05	3.5	<2	<2	<2	0.29	
DCS-3	20-Apr-05	<1	<2	<2	<2	<0.0008	
DCS-3	27-Apr-05	<1	<2	<2	<2	0.0026	
DCS-3	05-May-05	<1	<2	<2	<2	0.0028	
DCS-3	09-May-05	<1	<2	<2	<2	0.015	0.002
DCS-3	18-May-05	<1	<2	<2	<2	0.00083	
DCS-3	25-May-05	<1	<2	<2	<2	0.00082	
DCS-3	02-Jun-05	<1	<2	<2	<2	0.0019	
DCS-3	08-Jun-05	<1	<2	<2	<2	0.0037	
DCS-3	08-Jun-05	<0.5	<5	<0.5	NA	<0.01	
DCS-3	08-Jun-05	<1	<2	<2	<2	0.0035	
DCS-3	15-Jun-05	<1	<2	<2	<2	0.0026	
DCS-3	21-Jun-05	<1	<2	<2	<2	0.0013	
DCS-3	30-Jun-05	<1	<2	<2	<2	0.0014	
DCS-3	07-Jul-05	<1	<2	<2	<2	0.0091	
DCS-3	11-Jul-05	<1	<2	<2	<2	0.0069	
DCS-3	11-Jul-05	<0.5	<5	0.53	NA	0.017	
DCS-3	11-Jul-05	<1	<2	<2	<2	0.006	
DCS-3	21-Jul-05	<1	<2	<2	<2	0.017	
DCS-3	27-Jul-05	<1	<2	<2	<2	0.0087	
DCS-3	03-Aug-05	<1	<2	<2	<2	0.016	
DCS-3	08-Aug-05	<1	<2	<2	<2	0.017	
DCS-3	16-Aug-05	<1	<2	<2	<2	0.017	
DCS-3	24-Aug-05	<1	<2	<2	<2	0.014	
DCS-3	02-Sep-05	<1	<2	<2	<2	0.026	
DCS-3	09-Sep-05	<1	<2	<2	<2	0.015	
DCS-3	13-Sep-05	<1	<2	<2	<2	0.017	0.012
DCS-3	22-Sep-05	<1	<2	<2	<2	0.0035	
DCS-3	29-Sep-05	<1	<2	<2	<2	0.003	
DCS-3	06-Oct-05	<1	<2	<2	<2	0.093	
DCS-3	10-Oct-05	<1	<2	<2	<2	0.015	
DCS-3	20-Oct-05	<1	<2	<2	<2	0.048	

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Summary of Historical Surface-Water Analytical Results
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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-3	27-Oct-05	<1	<2	<2	<2	0.068	
DCS-3	03-Nov-05	<1	<2	<2	<2	0.011	
DCS-3	07-Nov-05	<1	<2	<2	<2	0.0069	
DCS-3	17-Nov-05	<1	<2	<2	<2	0.0084	
DCS-3	22-Nov-05	<1	<2	<2	<2	0.035	
DCS-3	29-Nov-05	<1	<2	<2	<2	0.048	
DCS-3	06-Dec-05	<1	<2	<2	<2	0.0024	
DCS-3	14-Dec-05	<1	<2	<2	<2	0.061	
DCS-3	21-Dec-05	<1	<2	<2	<2	0.014	
DCS-3	29-Dec-05	<1	<2	<2	<2	0.014	
DCS-3	05-Jan-06	<1	<2	<2	<2	0.011	
DCS-3	09-Jan-06	<1	<2	<2	<2	0.019	0.019
DCS-3	18-Jan-06	<1	<2	<2	<2	0.02	
DCS-3	24-Jan-06	<1	<2	<2	<2	0.04	
DCS-3	01-Feb-06	<1	<2	<2	<2	0.023	
DCS-3	09-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-3	13-Feb-06	<0.5	<1	<1	<1	0.028	
DCS-3	22-Feb-06	<1	<2	<2	<2	0.015	
DCS-3	01-Mar-06	<1	<2	<2	<2	0.0011	
DCS-3	09-Mar-06	<1	<2	<2	<2	0.0055	
DCS-3	14-Mar-06	<1	<2	<2	<2	0.0028	
DCS-3	22-Mar-06	<1	<2	<2	<2	0.01	
DCS-3	30-Mar-06	<1	<2	<2	<2	0.0011	
DCS-3	05-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-3	10-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-3	20-Apr-06	<1	<2	<2	<2	0.0005	
DCS-3	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-3	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-3	09-May-06	<1	<2	<2	<2	<0.0008	0.000
DCS-3	09-May-06	<0.5	<0.5	<0.5	<0.5	0.000849	
DCS-3	09-May-06	<1	<2	<2	<2	<0.0008	
DCS-3	13-Jun-06	<1	<2	<2	<2	0.005	
DCS-3	05-Sep-06	<1	<5	<2	<2	0.015	0.009
DCS-3	04-Dec-06	<1	<5	<2	<2	0.0061	0.000
DCS-3	12-Mar-07	<1	<5	<2	<2	0.0081	0.000
DCS-3	21-Jun-07	<1	<2	<2	<2	0.00082	
DCS-3	13-Sep-07	<1	<2	<2	<2	0.0025	
DCS-3	17-Dec-07	<0.5	<5	<0.5	<2	0.00371	
DCS-3	17-Dec-07	<1	<2	<2	<2	0.0032	
DCS-3	03-Mar-08	<1	<2	<2	<2	0.0021	0.000
DCS-3	18-Jun-08	<1	<2	<2	<2	0.001	<0.001
DCS-3	29-Sep-08	<1	<2	<2	<2	0.015	0.008

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Summary of Historical Surface-Water Analytical Results
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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-3	10-Dec-08	<1	<2	<2	<2	0.067	<0.0008
DCS-3	17-Mar-09	<1	<2	<2	<2	<0.0008	<0.0008
DCS-3	16-Jun-09	<1	<2	<2	<2	0.0014	
DCS-3	16-Jun-09	<1	<2	<2	<2	0.0014	
DCS-3	17-Sep-09	<1	<2	<2	<2	0.0017	
DCS-3	16-Dec-09	<1	<2	<2	<2	0.0016	0.001
DCS-4	13-Apr-04	<1	<2	<2	<2	0.11	
DCS-4	14-Apr-04	<1	<2	<2	<2	0.09	
DCS-4	15-Apr-04	1.7	<2	<2	<2	0.15	
DCS-4	16-Apr-04	1.4	<2	<2	<2	0.14	
DCS-4	17-Apr-04	2	<2	<2	<2	0.18	
DCS-4	18-Apr-04	1.7	<2	<2	<2	0.17	
DCS-4	19-Apr-04	<1	<2	<2	<2	0.058	
DCS-4	26-Apr-04	<1	<2	<2	<2	0.043	
DCS-4	29-Apr-04	<1	<2	<2	<2	0.012	
DCS-4	03-May-04	<1	<2	<2	<2	0.013	
DCS-4	02-Jun-04	<1	<2	<2	<2	0.006	
DCS-4	08-Jul-04	<1	<2	<2	<2	0.014	
DCS-4	03-Aug-04	<1	<2	<2	<2	0.022	
DCS-4	14-Sep-04	<1	<2	<2	<2	0.027	
DCS-4	12-Oct-04	1	<2	<2	<2	0.13	
DCS-4	26-Oct-04	1.1	<2	<2	<2	0.15	
DCS-4	27-Oct-04	<1	<2	<2	<2	0.11	
DCS-4	28-Oct-04	<1	<2	<2	<2	0.13	
DCS-4	29-Oct-04	1.1	<2	<2	<2	0.13	
DCS-4	30-Oct-04	1.3	<2	<2	<2	0.15	
DCS-4	31-Oct-04	1.2	<2	<2	<2	0.12	
DCS-4	01-Nov-04	1.2	<2	<2	<2	0.13	
DCS-4	02-Nov-04	1.9	<2	<2	<2	0.3	
DCS-4	03-Nov-04	1.3	<2	<2	<2	0.16	
DCS-4	04-Nov-04	1.7	<2	<2	<2	0.21	
DCS-4	05-Nov-04	1.5	<2	<2	<2	0.15	
DCS-4	06-Nov-04	1.3	<2	<2	<2	0.17	
DCS-4	07-Nov-04	1.3	<2	<2	<2	0.16	
DCS-4	08-Nov-04	1	<2	<2	<2	0.077	
DCS-4	09-Nov-04	1	<2	<2	<2	0.11	
DCS-4	10-Nov-04	<1	<2	<2	<2	0.1	
DCS-4	11-Nov-04	1	<2	<2	<2	0.1	
DCS-4	12-Nov-04	**9.8**	<2	<2	<2	0.12	
DCS-4	19-Nov-04	1.1	<2	<2	<2	0.14	
DCS-4	23-Nov-04	1.8	<2	<2	<2	0.26	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-4	02-Dec-04	3	<2	<2	<2	0.5	
DCS-4	09-Dec-04	<1	<2	<2	<2	0.029	
DCS-4	15-Dec-04	<1	<2	<2	<2	0.016	
DCS-4	20-Dec-04	<1	<2	<2	<2	0.0023	
DCS-4	23-Dec-04	<1	<2	<2	<2	0.0097	
DCS-4	06-Jan-05	<1	<2	<2	<2	0.019	
DCS-4	10-Jan-05	<1	<2	<2	<2	0.0046	
DCS-4	20-Jan-05	<1	<2	<2	<2	0.0091	
DCS-4	26-Jan-05	<1	<2	<2	<2	0.01	
DCS-4	04-Feb-05	<1	<2	<2	<2	0.0087	
DCS-4	07-Feb-05	<0.5	<5	<0.5	NA	<0.01	
DCS-4	07-Feb-05	<1	<2	<2	<2	0.0096	
DCS-4	07-Feb-05	<1	<2	<2	<2	0.0096	
DCS-4	16-Feb-05	<1	<2	<2	<2	0.01	
DCS-4	24-Feb-05	<1	<2	<2	<2	0.016	
DCS-4	03-Mar-05	<1	<2	<2	<2	0.0069	
DCS-4	07-Mar-05	<1	<2	<2	<2	0.011	
DCS-4	18-Mar-05	<1	<2	<2	<2	0.0075	
DCS-4	23-Mar-05	<1	<2	<2	<2	0.033	
DCS-4	29-Mar-05	<1	<2	<2	<2	0.0042	
DCS-4	07-Apr-05	<1	<2	<2	<2	0.027	
DCS-4	11-Apr-05	<1	<2	<2	<2	0.057	
DCS-4	20-Apr-05	<1	<2	<2	<2	<0.0008	
DCS-4	27-Apr-05	<1	<2	<2	<2	0.0014	
DCS-4	05-May-05	<1	<2	<2	<2	0.0016	
DCS-4	09-May-05	<1	<2	<2	<2	0.00096	
DCS-4	18-May-05	<1	<2	<2	<2	0.0012	
DCS-4	25-May-05	<1	<2	<2	<2	0.0012	
DCS-4	02-Jun-05	<1	<2	<2	<2	0.003	
DCS-4	08-Jun-05	<1	<2	<2	<2	0.0054	
DCS-4	15-Jun-05	<1	<2	<2	<2	0.0033	
DCS-4	21-Jun-05	<1	<2	<2	<2	0.0022	
DCS-4	30-Jun-05	<1	<2	<2	<2	0.0027	
DCS-4	07-Jul-05	<1	<2	<2	<2	0.0042	
DCS-4	11-Jul-05	<1	<2	<2	<2	0.0041	
DCS-4	21-Jul-05	<1	<2	<2	<2	0.0075	
DCS-4	27-Jul-05	<1	<2	<2	<2	0.0035	
DCS-4	03-Aug-05	<1	<2	<2	<2	0.0077	
DCS-4	08-Aug-05	<1	<2	<2	<2	0.0077	
DCS-4	16-Aug-05	<1	<2	<2	<2	0.0089	
DCS-4	24-Aug-05	<1	<2	<2	<2	0.0068	
DCS-4	02-Sep-05	<1	<2	<2	<2	0.0089	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-4	09-Sep-05	<1	<2	<2	<2	0.0072	
DCS-4	13-Sep-05	<1	<2	<2	<2	0.0084	
DCS-4	22-Sep-05	<1	<2	<2	<2	0.0013	
DCS-4	29-Sep-05	<1	<2	<2	<2	0.0019	
DCS-4	06-Oct-05	<1	<2	<2	<2	0.035	
DCS-4	10-Oct-05	<1	<2	<2	<2	0.0085	
DCS-4	20-Oct-05	<1	<2	<2	<2	0.022	
DCS-4	27-Oct-05	<1	<2	<2	<2	0.025	
DCS-4	03-Nov-05	<1	<2	<2	<2	0.0063	
DCS-4	07-Nov-05	<1	<2	<2	<2	0.0044	
DCS-4	07-Nov-05	<1	<2	<2	<2	0.0034	
DCS-4	07-Nov-05	<0.5	<5	<0.5	NA	<0.01	
DCS-4	17-Nov-05	<1	<2	<2	<2	0.0049	
DCS-4	22-Nov-05	<1	<2	<2	<2	0.014	
DCS-4	29-Nov-05	<1	<2	<2	<2	0.024	
DCS-4	06-Dec-05	<1	<2	<2	<2	0.012	
DCS-4	14-Dec-05	<1	<2	<2	<2	0.011	
DCS-4	21-Dec-05	<1	<2	<2	<2	0.0038	
DCS-4	29-Dec-05	<1	<2	<2	<2	0.0038	
DCS-4	05-Jan-06	<1	<2	<2	<2	0.0042	
DCS-4	09-Jan-06	<0.5	<1	<2	<1	0.005	
DCS-4	09-Jan-06	<1	<2	<2	<2	0.0064	
DCS-4	09-Jan-06	<1	<2	<2	<2	0.0064	
DCS-4	18-Jan-06	<1	<2	<2	<2	0.0057	
DCS-4	24-Jan-06	<1	<2	<2	<2	0.019	
DCS-4	01-Feb-06	<1	<2	<2	<2	0.0059	
DCS-4	09-Feb-06	<0.5	<1	<1	<1	0.015	
DCS-4	13-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-4	22-Feb-06	<1	<2	<2	<2	0.0054	
DCS-4	01-Mar-06	<1	<2	<2	<2	0.0013	
DCS-4	09-Mar-06	<1	<2	<2	<2	0.0032	
DCS-4	14-Mar-06	<1	<2	<2	<2	0.004	
DCS-4	22-Mar-06	<1	<2	<2	<2	0.008	
DCS-4	30-Mar-06	<1	<2	<2	<2	0.0018	
DCS-4	05-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-4	10-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-4	20-Apr-06	<1	<2	<2	<2	0.00078	
DCS-4	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-4	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-4	09-May-06	<1	<2	<2	<2	0.00081	
DCS-4	13-Jun-06	<1	<2	<2	<2	0.0038	
DCS-4	05-Sep-06	<1	<5	<2	<2	0.0096	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-4	04-Dec-06	<1	<5	<2	<2	0.014	
DCS-4	12-Mar-07	<1	<5	<2	<2	0.0014	
DCS-4	21-Jun-07	<1	<2	<2	<2	0.0014	
DCS-4	13-Sep-07	<1	<2	<2	<2	0.0058	
DCS-4	17-Dec-07	<1	<2	<2	<2	0.0078	
DCS-4	03-Mar-08	<1	<2	<2	<2	0.0022	
DCS-4	18-Jun-08	<1	<2	<2	<2	0.0028	
DCS-4	29-Sep-08	<1	<2	<2	<2	0.0098	
DCS-4	29-Sep-08	<1	<2	<2	<2	0.0098	
DCS-4	10-Dec-08	<1	<2	<2	<2	0.006	
DCS-4	17-Mar-09	<1	<2	<2	<2	0.00096	
DCS-4	16-Jun-09	<1	<2	<2	<2	0.0029	
DCS-4	17-Sep-09	<1	<2	<2	<2	0.0042	
DCS-4	16-Dec-09	<1	<2	<2	<2	0.0063	
DCS-5	13-Apr-04	<1	<2	<2	<2	0.11	
DCS-5	14-Apr-04	<1	<2	<2	<2	0.086	
DCS-5	15-Apr-04	1.3	<2	<2	<2	0.13	
DCS-5	16-Apr-04	<1	<2	<2	<2	0.13	
DCS-5	17-Apr-04	1.3	<2	<2	<2	0.15	
DCS-5	18-Apr-04	1.2	<2	<2	<2	0.15	
DCS-5	19-Apr-04	<1	<2	<2	<2	0.057	
DCS-5	26-Apr-04	<1	<2	<2	<2	0.046	
DCS-5	29-Apr-04	<1	<2	<2	<2	0.014	
DCS-5	03-May-04	<1	<2	<2	<2	0.018	
DCS-5	26-May-04	<1	<2	<2	<2	0.015	
DCS-5	02-Jun-04	<1	<2	<2	<2	0.012	
DCS-5	08-Jul-04	<1	<2	<2	<2	0.016	
DCS-5	03-Aug-04	<1	<2	<2	<2	0.014	
DCS-5	14-Sep-04	<1	<2	<2	<2	0.017	
DCS-5	12-Oct-04	<1	<2	<2	<2	0.044	
DCS-5	26-Oct-04	<1	<2	<2	<2	0.055	
DCS-5	27-Oct-04	<1	<2	<2	<2	0.035	
DCS-5	28-Oct-04	<1	<2	<2	<2	0.028	
DCS-5	29-Oct-04	<1	<2	<2	<2	0.053	
DCS-5	30-Oct-04	<1	<2	<2	<2	0.047	
DCS-5	31-Oct-04	<1	<2	<2	<2	0.052	
DCS-5	01-Nov-04	<1	<2	<2	<2	0.049	
DCS-5	02-Nov-04	<1	<2	<2	<2	0.12	
DCS-5	03-Nov-04	<1	<2	<2	<2	0.072	
DCS-5	04-Nov-04	<1	<2	<2	<2	0.088	
DCS-5	05-Nov-04	<1	<2	<2	<2	0.064	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-5	06-Nov-04	<1	<2	<2	<2	0.06	
DCS-5	07-Nov-04	<1	<2	<2	<2	0.054	
DCS-5	08-Nov-04	<1	<2	<2	<2	0.026	
DCS-5	09-Nov-04	<1	<2	<2	<2	0.35	
DCS-5	10-Nov-04	<1	<2	<2	<2	0.035	
DCS-5	11-Nov-04	<1	<2	<2	<2	0.039	
DCS-5	12-Nov-04	3.6	<2	<2	<2	0.048	
DCS-5	19-Nov-04	<1	<2	<2	<2	0.056	
DCS-5	23-Nov-04	<1	<2	<2	<2	0.11	
DCS-5	02-Dec-04	1.1	<2	<2	<2	0.18	
DCS-5	09-Dec-04	<1	<2	<2	<2	0.029	
DCS-5	15-Dec-04	<1	<2	<2	<2	0.017	
DCS-5	20-Dec-04	<1	<2	<2	<2	0.0034	
DCS-5	23-Dec-04	<1	<2	<2	<2	0.026	
DCS-5	06-Jan-05	<1	<2	<2	<2	0.02	
DCS-5	10-Jan-05	<1	<2	<2	<2	0.012	
DCS-5	20-Jan-05	<1	<2	<2	<2	0.0098	
DCS-5	26-Jan-05	<1	<2	<2	<2	0.013	
DCS-5	04-Feb-05	<1	<2	<2	<2	0.011	
DCS-5	07-Feb-05	<1	<2	<2	<2	0.012	
DCS-5	16-Feb-05	<1	<2	<2	<2	0.011	
DCS-5	24-Feb-05	<1	<2	<2	<2	0.014	
DCS-5	03-Mar-05	<1	<2	<2	<2	0.0086	
DCS-5	07-Mar-05	<1	<2	<2	<2	0.012	
DCS-5	18-Mar-05	<1	<2	<2	<2	0.0099	
DCS-5	23-Mar-05	<1	<2	<2	<2	0.021	
DCS-5	29-Mar-05	<1	<2	<2	<2	0.006	
DCS-5	07-Apr-05	<1	<2	<2	<2	0.014	
DCS-5	11-Apr-05	<1	<2	<2	<2	0.044	
DCS-5	20-Apr-05	<1	<2	<2	<2	0.00091	
DCS-5	27-Apr-05	<1	<2	<2	<2	0.0037	
DCS-5	05-May-05	<1	<2	<2	<2	0.0046	
DCS-5	09-May-05	<1	<2	<2	<2	0.0016	
DCS-5	18-May-05	<1	<2	<2	<2	0.0013	
DCS-5	25-May-05	<1	<2	<2	<2	0.0018	
DCS-5	02-Jun-05	<1	<2	<2	<2	0.0035	
DCS-5	08-Jun-05	<1	<2	<2	<2	0.0049	
DCS-5	15-Jun-05	<1	<2	<2	<2	0.0027	
DCS-5	21-Jun-05	<1	<2	<2	<2	0.0025	
DCS-5	30-Jun-05	<1	<2	<2	<2	0.0052	
DCS-5	07-Jul-05	<1	<2	<2	<2	0.0053	
DCS-5	11-Jul-05	<1	<2	<2	<2	0.0053	

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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-5	21-Jul-05	<1	<2	<2	<2	0.0079	
DCS-5	27-Jul-05	<1	<2	<2	<2	0.0058	
DCS-5	03-Aug-05	<1	<2	<2	<2	0.0091	
DCS-5	08-Aug-05	<1	<2	<2	<2	0.011	
DCS-5	16-Aug-05	<1	<2	<2	<2	0.0098	
DCS-5	24-Aug-05	<1	<2	<2	<2	0.0074	
DCS-5	02-Sep-05	<1	<2	<2	<2	0.01	
DCS-5	09-Sep-05	<1	<2	<2	<2	0.009	
DCS-5	13-Sep-05	<1	<2	<2	<2	0.0076	
DCS-5	13-Sep-05	<0.5	<5	<0.5	NA	0.012	
DCS-5	13-Sep-05	<1	<2	<2	<2	0.0075	
DCS-5	22-Sep-05	<1	<2	<2	<2	0.002	
DCS-5	29-Sep-05	<1	<2	<2	<2	0.0035	
DCS-5	06-Oct-05	<1	<2	<2	<2	0.028	
DCS-5	10-Oct-05	<1	<2	<2	<2	0.015	
DCS-5	20-Oct-05	<1	<2	<2	<2	0.016	
DCS-5	27-Oct-05	<1	<2	<2	<2	0.018	
DCS-5	03-Nov-05	<1	<2	<2	<2	0.007	
DCS-5	07-Nov-05	<1	<2	<2	<2	0.005	
DCS-5	17-Nov-05	<1	<2	<2	<2	0.0068	
DCS-5	22-Nov-05	<1	<2	<2	<2	0.013	
DCS-5	29-Nov-05	<1	<2	<2	<2	0.023	
DCS-5	06-Dec-05	<1	<2	<2	<2	0.015	
DCS-5	14-Dec-05	<1	<2	<2	<2	0.012	
DCS-5	21-Dec-05	<1	<2	<2	<2	0.0055	
DCS-5	29-Dec-05	<1	<2	<2	<2	0.0048	
DCS-5	05-Jan-06	<1	<2	<2	<2	0.0068	
DCS-5	09-Jan-06	<1	<2	<2	<2	0.0072	
DCS-5	18-Jan-06	<1	<2	<2	<2	0.0074	
DCS-5	24-Jan-06	<1	<2	<2	<2	0.021	
DCS-5	01-Feb-06	<1	<2	<2	<2	0.007	
DCS-5	09-Feb-06	<0.5	<1	<1	<1	0.015	
DCS-5	13-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-5	13-Feb-06	<0.5	<1	<1	<1	0.009	
DCS-5	13-Feb-06	<0.5	<0.5	<0.5	<0.5	0.013	
DCS-5	22-Feb-06	<1	<2	<2	<2	0.0073	
DCS-5	01-Mar-06	<1	<2	<2	<2	0.0019	
DCS-5	09-Mar-06	<1	<2	<2	<2	0.0041	
DCS-5	14-Mar-06	<1	<2	<2	<2	0.0052	
DCS-5	22-Mar-06	<1	<2	<2	<2	0.0085	
DCS-5	30-Mar-06	<1	<2	<2	<2	0.0025	
DCS-5	05-Apr-06	<1	<2	<2	<2	0.00089	

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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-5	10-Apr-06	<1	<2	<2	<2	0.0009	
DCS-5	20-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-5	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-5	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-5	09-May-06	<1	<2	<2	<2	0.00097	
DCS-5	13-Jun-06	<1	<2	<2	<2	0.0045	
DCS-5	13-Jun-06	<0.5	<0.5	<0.5	<0.5	0.00445	
DCS-5	05-Sep-06	<1	<5	<2	<2	0.01	
DCS-5	04-Dec-06	<1	<5	<2	<2	0.012	
DCS-5	12-Mar-07	<1	<5	<2	<2	0.0026	
DCS-5	21-Jun-07	<1	<2	<2	<2	0.0018	
DCS-5	13-Sep-07	<1	<2	<2	<2	0.0055	
DCS-5	17-Dec-07	<1	<2	<2	<2	0.0077	
DCS-5	04-Mar-08	<1	<2	<2	<2	0.0038	
DCS-5	18-Jun-08	<1	<2	<2	<2	0.0019	
DCS-5	29-Sep-08	<1	<2	<2	<2	0.008	
DCS-5	10-Dec-08	<1	<2	<2	<2	0.0066	
DCS-5	10-Dec-08	<1	<2	<2	<2	0.0062	
DCS-5	10-Dec-08	<1	<1	<1	<1	0.003	
DCS-5	17-Mar-09	<1	<2	<2	<2	0.0012	
DCS-5	16-Jun-09	<1	<2	<2	<2	0.0028	
DCS-5	17-Sep-09	<1	<2	<2	<2	0.0042	
DCS-5	16-Dec-09	<1	<2	<2	<2	0.006	
DCS-6	13-Apr-04	<1	<2	<2	<2	0.087	
DCS-6	14-Apr-04	<1	<2	<2	<2	0.063	
DCS-6	15-Apr-04	<1	<2	<2	<2	0.11	
DCS-6	16-Apr-04	<1	<2	<2	<2	0.083	
DCS-6	17-Apr-04	<1	<2	<2	<2	0.11	
DCS-6	18-Apr-04	<1	<2	<2	<2	0.093	
DCS-6	19-Apr-04	<1	<2	<2	<2	0.048	
DCS-6	26-Apr-04	<1	<2	<2	<2	0.035	
DCS-6	29-Apr-04	<1	<2	<2	<2	0.011	
DCS-6	29-Apr-04	<1	<2	<2	<2	0.015	
DCS-6	03-May-04	<1	<2	<2	<2	0.014	
DCS-6	02-Jun-04	<1	<2	<2	<2	0.0091	
DCS-6	08-Jul-04	<1	<2	<2	<2	0.014	
DCS-6	03-Aug-04	<1	<2	<2	<2	0.014	
DCS-6	14-Sep-04	<1	<2	<2	<2	0.031	
DCS-6	12-Oct-04	<1	<2	<2	<2	0.032	
DCS-6	26-Oct-04	<1	<2	<2	<2	0.049	
DCS-6	27-Oct-04	<1	<2	<2	<2	0.023	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-6	28-Oct-04	<1	<2	<2	<2	0.06	
DCS-6	29-Oct-04	<1	<2	<2	<2	0.086	
DCS-6	30-Oct-04	<1	<2	<2	<2	0.034	
DCS-6	31-Oct-04	<1	<2	<2	<2	0.045	
DCS-6	01-Nov-04	<1	<2	<2	<2	0.24	
DCS-6	02-Nov-04	<1	<2	<2	<2	0.093	
DCS-6	03-Nov-04	<1	<2	<2	<2	0.16	
DCS-6	04-Nov-04	<1	<2	<2	<2	0.061	
DCS-6	05-Nov-04	<1	<2	<2	<2	0.039	
DCS-6	06-Nov-04	<1	<2	<2	<2	0.043	
DCS-6	07-Nov-04	<1	<2	<2	<2	0.039	
DCS-6	08-Nov-04	<1	<2	<2	<2	0.017	
DCS-6	09-Nov-04	<1	<2	<2	<2	0.034	
DCS-6	10-Nov-04	<1	<2	<2	<2	0.024	
DCS-6	11-Nov-04	<1	<2	<2	<2	0.026	
DCS-6	12-Nov-04	<1	<2	<2	<2	0.022	
DCS-6	19-Nov-04	<1	<2	<2	<2	0.035	
DCS-6	23-Nov-04	<1	<2	<2	<2	0.069	
DCS-6	02-Dec-04	1.5	<2	<2	<2	-88.8	
DCS-6	09-Dec-04	<1	<2	<2	<2	0.028	
DCS-6	15-Dec-04	<1	<2	<2	<2	0.018	
DCS-6	20-Dec-04	<1	<2	<2	<2	0.036	
DCS-6	23-Dec-04	<1	<2	<2	<2	0.021	
DCS-6	06-Jan-05	<1	<2	<2	<2	0.019	
DCS-6	10-Jan-05	<1	<2	<2	<2	0.011	
DCS-6	20-Jan-05	<1	<2	<2	<2	0.0086	
DCS-6	26-Jan-05	<1	<2	<2	<2	0.013	
DCS-6	04-Feb-05	<1	<2	<2	<2	0.0088	
DCS-6	07-Feb-05	<1	<2	<2	<2	0.0091	
DCS-6	16-Feb-05	<1	<2	<2	<2	0.011	
DCS-6	24-Feb-05	<1	<2	<2	<2	0.014	
DCS-6	03-Mar-05	<1	<2	<2	<2	0.0086	
DCS-6	07-Mar-05	<1	<2	<2	<2	0.013	
DCS-6	18-Mar-05	<1	<2	<2	<2	0.01	
DCS-6	23-Mar-05	<1	<2	<2	<2	0.023	
DCS-6	29-Mar-05	<1	<2	<2	<2	0.0052	
DCS-6	07-Apr-05	<1	<2	<2	<2	0.015	
DCS-6	11-Apr-05	<1	<2	<2	<2	0.034	
DCS-6	27-Apr-05	<1	<2	<2	<2	0.003	
DCS-6	05-May-05	<1	<2	<2	<2	0.0045	
DCS-6	09-May-05	<1	<2	<2	<2	0.0022	
DCS-6	18-May-05	<1	<2	<2	<2	0.0019	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-6	25-May-05	<1	<2	<2	<2	0.0025	
DCS-6	02-Jun-05	<1	<2	<2	<2	0.0031	
DCS-6	08-Jun-05	<1	<2	<2	<2	0.0049	
DCS-6	15-Jun-05	<1	<2	<2	<2	0.0044	
DCS-6	21-Jun-05	<1	<2	<2	<2	0.0027	
DCS-6	30-Jun-05	<1	<2	<2	<2	0.0036	
DCS-6	07-Jul-05	<1	<2	<2	<2	0.0068	
DCS-6	11-Jul-05	<1	<2	<2	<2	0.0064	
DCS-6	21-Jul-05	<1	<2	<2	<2	0.012	
DCS-6	27-Jul-05	<1	<2	<2	<2	0.0066	
DCS-6	03-Aug-05	<1	<2	<2	<2	0.0081	
DCS-6	08-Aug-05	<1	<2	<2	<2	0.018	
DCS-6	16-Aug-05	<1	<2	<2	<2	0.016	
DCS-6	24-Aug-05	<1	<2	<2	<2	0.013	
DCS-6	02-Sep-05	<1	<2	<2	<2	0.013	
DCS-6	09-Sep-05	<1	<2	<2	<2	0.0086	
DCS-6	13-Sep-05	<1	<2	<2	<2	0.011	
DCS-6	22-Sep-05	<1	<2	<2	<2	0.0021	
DCS-6	29-Sep-05	<1	<2	<2	<2	0.0033	
DCS-6	06-Oct-05	<1	<2	<2	<2	0.027	
DCS-6	10-Oct-05	<1	<2	<2	<2	0.014	
DCS-6	10-Oct-05	<1	<2	<2	<2	0.015	
DCS-6	10-Oct-05	<0.5	<5	<0.5	<0.5	0.019	
DCS-6	20-Oct-05	<1	<2	<2	<2	0.014	
DCS-6	27-Oct-05	<1	<2	<2	<2	0.012	
DCS-6	03-Nov-05	<1	<2	<2	<2	0.0066	
DCS-6	07-Nov-05	<1	<2	<2	<2	0.0059	
DCS-6	17-Nov-05	<1	<2	<2	<2	0.007	
DCS-6	22-Nov-05	<1	<2	<2	<2	0.013	
DCS-6	29-Nov-05	<1	<2	<2	<2	0.021	
DCS-6	06-Dec-05	<1	<2	<2	<2	0.015	
DCS-6	06-Dec-05	<1	<2	<2	<2	0.014	
DCS-6	06-Dec-05	<0.5	<5	<0.5	NA	0.014	
DCS-6	14-Dec-05	<1	<2	<2	<2	0.011	
DCS-6	21-Dec-05	<1	<2	<2	<2	0.0064	
DCS-6	29-Dec-05	<1	<2	<2	<2	0.0026	
DCS-6	05-Jan-06	<1	<2	<2	<2	0.0056	
DCS-6	09-Jan-06	<1	<2	<2	<2	0.0078	
DCS-6	18-Jan-06	<1	<2	<2	<2	0.0066	
DCS-6	24-Jan-06	<1	<2	<2	<2	0.036	
DCS-6	01-Feb-06	<1	<2	<2	<2	0.0056	
DCS-6	09-Feb-06	<0.5	<1	<1	<1	0.016	

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Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-6	13-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-6	22-Feb-06	<1	<2	<2	<2	0.0066	
DCS-6	01-Mar-06	<1	<2	<2	<2	0.0019	
DCS-6	09-Mar-06	<1	<2	<2	<2	0.0056	
DCS-6	14-Mar-06	<0.25	<0.25	<0.25	<0.25	0.0143	
DCS-6	14-Mar-06	<1	<2	<2	<2	0.012	
DCS-6	14-Mar-06	<1	<2	<2	<2	0.012	
DCS-6	22-Mar-06	<1	<2	<2	<2	0.0096	
DCS-6	30-Mar-06	<1	<2	<2	<2	0.0058	
DCS-6	05-Apr-06	<1	<2	<2	<2	0.00089	
DCS-6	10-Apr-06	<1	<2	<2	<2	0.00089	
DCS-6	20-Apr-06	<1	<2	<2	<2	0.00098	
DCS-6	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-6	04-May-06	<1	<2	<2	<2	0.00084	
DCS-6	09-May-06	<1	<2	<2	<2	0.00083	
DCS-6	13-Jun-06	<1	<2	<2	<2	0.0054	
DCS-6	05-Sep-06	<1	<5	<2	<2	0.013	
DCS-6	04-Dec-06	<1	<5	<2	<2	0.013	
DCS-6	12-Mar-07	<1	<5	<2	<2	0.0035	
DCS-6	21-Jun-07	<1	<2	<2	<2	0.0025	
DCS-6	13-Sep-07	<1	<2	<2	<2	NA	
DCS-6	17-Dec-07	<1	<2	<2	<2	0.0078	
DCS-6	04-Mar-08	<1	<2	<2	<2	0.0047	
DCS-6	18-Jun-08	<1	<2	<2	<2	0.0029	
DCS-6	29-Sep-08	<1	<2	<2	<2	0.011	
DCS-6	10-Dec-08	<1	<2	<2	<2	0.085	
DCS-6	17-Mar-09	<1	<2	<2	<2	0.0011	
DCS-6	16-Jun-09	<1	<2	<2	<2	0.0056	
DCS-6	17-Sep-09	<1	<2	<2	<2	0.0051	
DCS-6	16-Dec-09	<1	<2	<2	<2	0.0077	
DCS-7	09-Dec-04	<1	<2	<2	<2	0.026	
DCS-7	15-Dec-04	<1	<2	<2	<2	0.016	
DCS-7	20-Dec-04	<1	<2	<2	<2	0.031	
DCS-7	23-Dec-04	<1	<2	<2	<2	0.019	
DCS-7	06-Jan-05	<1	<2	<2	<2	0.018	
DCS-7	10-Jan-05	<1	<2	<2	<2	0.01	
DCS-7	20-Jan-05	<1	<2	<2	<2	0.0082	
DCS-7	26-Jan-05	<1	<2	<2	<2	0.012	
DCS-7	04-Feb-05	<1	<2	<2	<2	0.0087	
DCS-7	07-Feb-05	<1	<2	<2	<2	0.0092	
DCS-7	16-Feb-05	<1	<2	<2	<2	0.0094	

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Summary of Historical Surface-Water Analytical Results
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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-7	24-Feb-05	<1	<2	<2	<2	0.012	
DCS-7	03-Mar-05	<1	<2	<2	<2	0.0081	
DCS-7	07-Mar-05	<1	<2	<2	<2	0.01	
DCS-7	18-Mar-05	<1	<2	<2	<2	0.0087	
DCS-7	23-Mar-05	<1	<2	<2	<2	0.017	
DCS-7	29-Mar-05	<1	<2	<2	<2	0.0049	
DCS-7	07-Apr-05	<1	<2	<2	<2	0.0097	
DCS-7	11-Apr-05	<1	<2	<2	<2	0.033	
DCS-7	27-Apr-05	<1	<2	<2	<2	0.0027	
DCS-7	05-May-05	<1	<2	<2	<2	0.0038	
DCS-7	09-May-05	<1	<2	<2	<2	0.0021	
DCS-7	18-May-05	<1	<2	<2	<2	0.0016	
DCS-7	25-May-05	<1	<2	<2	<2	0.0018	
DCS-7	02-Jun-05	<1	<2	<2	<2	0.0031	
DCS-7	08-Jun-05	<1	<2	<2	<2	0.0041	
DCS-7	15-Jun-05	<1	<2	<2	<2	0.0027	
DCS-7	21-Jun-05	<1	<2	<2	<2	0.0027	
DCS-7	30-Jun-05	<1	<2	<2	<2	0.0036	
DCS-7	07-Jul-05	<1	<2	<2	<2	0.0054	
DCS-7	11-Jul-05	<1	<2	<2	<2	0.0051	
DCS-7	21-Jul-05	<1	<2	<2	<2	0.0082	
DCS-7	27-Jul-05	<1	<2	<2	<2	0.0053	
DCS-7	03-Aug-05	<1	<2	<2	<2	0.0074	
DCS-7	08-Aug-05	<1	<2	<2	<2	0.0099	
DCS-7	16-Aug-05	<1	<2	<2	<2	0.0098	
DCS-7	24-Aug-05	<1	<2	<2	<2	0.0085	
DCS-7	02-Sep-05	<1	<2	<2	<2	0.0085	
DCS-7	09-Sep-05	<1	<2	<2	<2	0.0074	
DCS-7	13-Sep-05	<1	<2	<2	<2	0.0079	
DCS-7	22-Sep-05	<1	<2	<2	<2	0.0021	
DCS-7	29-Sep-05	<1	<2	<2	<2	0.0034	
DCS-7	06-Oct-05	<1	<2	<2	<2	0.025	
DCS-7	10-Oct-05	<1	<2	<2	<2	0.013	
DCS-7	20-Oct-05	<1	<2	<2	<2	0.0096	
DCS-7	27-Oct-05	<1	<2	<2	<2	0.01	
DCS-7	03-Nov-05	<1	<2	<2	<2	0.0064	
DCS-7	07-Nov-05	<1	<2	<2	<2	0.0052	
DCS-7	17-Nov-05	<1	<2	<2	<2	0.0066	
DCS-7	22-Nov-05	<1	<2	<2	<2	0.012	
DCS-7	29-Nov-05	<1	<2	<2	<2	0.022	
DCS-7	06-Dec-05	<1	<2	<2	<2	0.015	
DCS-7	14-Dec-05	<1	<2	<2	<2	0.013	

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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-7	21-Dec-05	<1	<2	<2	<2	0.0067	
DCS-7	29-Dec-05	<1	<2	<2	<2	0.0044	
DCS-7	05-Jan-06	<1	<2	<2	<2	0.0058	
DCS-7	09-Jan-06	<1	<2	<2	<2	0.008	
DCS-7	18-Jan-06	<1	<2	<2	<2	0.0055	
DCS-7	24-Jan-06	<1	<2	<2	<2	0.02	
DCS-7	01-Feb-06	<1	<2	<2	<2	0.0053	
DCS-7	09-Feb-06	<0.5	<1	<1	<1	0.017	
DCS-7	13-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-7	22-Feb-06	<1	<2	<2	<2	0.004	
DCS-7	01-Mar-06	<1	<2	<2	<2	0.002	
DCS-7	09-Mar-06	<1	<2	<2	<2	0.0039	
DCS-7	14-Mar-06	<1	<2	<2	<2	0.01	
DCS-7	22-Mar-06	<1	<2	<2	<2	0.0084	
DCS-7	30-Mar-06	<1	<2	<2	<2	0.0025	
DCS-7	05-Apr-06	<1	<2	<2	<2	0.00079	
DCS-7	10-Apr-06	<1	<2	<2	<2	0.00077	
DCS-7	20-Apr-06	<1	<2	<2	<2	0.00089	
DCS-7	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-7	04-May-06	<1	<2	<2	<2	0.0014	
DCS-7	09-May-06	<1	<2	<2	<2	<0.0008	
DCS-7	13-Jun-06	<1	<2	<2	<2	0.0053	
DCS-7	05-Sep-06	<1	<5	<2	<2	0.01	
DCS-7	04-Dec-06	<1	<5	<2	<2	0.011	
DCS-7	12-Mar-07	<1	<5	<2	<2	0.0027	
DCS-7	21-Jun-07	<1	<2	<2	<2	0.002	
DCS-7	13-Sep-07	<1	<2	<2	<2	-88.8	
DCS-7	17-Dec-07	<1	<2	<2	<2	0.0078	
DCS-7	04-Mar-08	<1	<2	<2	<2	0.004	
DCS-7	18-Jun-08	<1	<2	<2	<2	0.0022	
DCS-7	29-Sep-08	<1	<2	<2	<2	0.0084	
DCS-7	10-Dec-08	<1	<2	<2	<2	0.0083	
DCS-7	17-Mar-09	<1	<2	<2	<2	0.0012	
DCS-7	16-Jun-09	<1	<2	<2	<2	0.0037	
DCS-7	17-Sep-09	<1	<2	<2	<2	0.0054	
DCS-7	16-Dec-09	<1	<2	<2	<2	0.0069	
DCS-8	09-Dec-04	<1	<2	<2	<2	0.021	
DCS-8	15-Dec-04	<1	<2	<2	<2	0.013	
DCS-8	20-Dec-04	<1	<2	<2	<2	0.026	
DCS-8	23-Dec-04	<1	<2	<2	<2	0.016	
DCS-8	06-Jan-05	<1	<2	<2	<2	0.016	

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Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-8	10-Jan-05	<1	<2	<2	<2	0.0098	
DCS-8	20-Jan-05	<1	<2	<2	<2	0.0075	
DCS-8	26-Jan-05	<1	<2	<2	<2	0.013	
DCS-8	04-Feb-05	<1	<2	<2	<2	0.0075	
DCS-8	07-Feb-05	<1	<2	<2	<2	0.0076	
DCS-8	16-Feb-05	<1	<2	<2	<2	0.0074	
DCS-8	24-Feb-05	<1	<2	<2	<2	0.0099	
DCS-8	03-Mar-05	<1	<2	<2	<2	0.0058	
DCS-8	07-Mar-05	<1	<2	<2	<2	0.0086	
DCS-8	18-Mar-05	<1	<2	<2	<2	0.0075	
DCS-8	23-Mar-05	<1	<2	<2	<2	0.013	
DCS-8	29-Mar-05	<1	<2	<2	<2	0.0041	
DCS-8	07-Apr-05	<1	<2	<2	<2	0.0083	
DCS-8	11-Apr-05	<1	<2	<2	<2	0.025	
DCS-8	27-Apr-05	<1	<2	<2	<2	0.0027	
DCS-8	05-May-05	<1	<2	<2	<2	0.0032	
DCS-8	09-May-05	<1	<2	<2	<2	0.0019	
DCS-8	18-May-05	<1	<2	<2	<2	0.002	
DCS-8	25-May-05	<1	<2	<2	<2	0.0017	
DCS-8	02-Jun-05	<1	<2	<2	<2	0.0032	
DCS-8	08-Jun-05	<1	<2	<2	<2	0.0045	
DCS-8	15-Jun-05	<1	<2	<2	<2	0.0025	
DCS-8	21-Jun-05	<1	<2	<2	<2	0.0024	
DCS-8	30-Jun-05	<1	<2	<2	<2	0.0034	
DCS-8	07-Jul-05	<1	<2	<2	<2	0.0047	
DCS-8	11-Jul-05	<1	<2	<2	<2	0.0044	
DCS-8	21-Jul-05	<1	<2	<2	<2	0.0072	
DCS-8	27-Jul-05	<1	<2	<2	<2	0.0038	
DCS-8	03-Aug-05	<1	<2	<2	<2	0.0099	
DCS-8	08-Aug-05	<0.5	<5	<2	NA	<0.01	
DCS-8	08-Aug-05	<1	<2	<2	<2	0.0075	
DCS-8	08-Aug-05	<1	<2	<2	<2	0.0072	
DCS-8	16-Aug-05	<1	<2	<2	<2	0.0083	
DCS-8	24-Aug-05	<1	<2	<2	<2	0.0065	
DCS-8	02-Sep-05	<1	<2	<2	<2	0.0066	
DCS-8	09-Sep-05	<1	<2	<2	<2	0.0068	
DCS-8	13-Sep-05	<1	<2	<2	<2	0.0064	
DCS-8	22-Sep-05	<1	<2	<2	<2	0.0018	
DCS-8	29-Sep-05	<1	<2	<2	<2	0.0032	
DCS-8	06-Oct-05	<1	<2	<2	<2	0.026	
DCS-8	10-Oct-05	<1	<2	<2	<2	0.0097	
DCS-8	20-Oct-05	<1	<2	<2	<2	0.011	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-8	27-Oct-05	<1	<2	<2	<2	0.0091	
DCS-8	03-Nov-05	<1	<2	<2	<2	0.0065	
DCS-8	07-Nov-05	<1	<2	<2	<2	0.0043	
DCS-8	17-Nov-05	<1	<2	<2	<2	0.0066	
DCS-8	22-Nov-05	<1	<2	<2	<2	0.012	
DCS-8	29-Nov-05	<1	<2	<2	<2	0.021	
DCS-8	06-Dec-05	<1	<2	<2	<2	0.013	
DCS-8	14-Dec-05	<1	<2	<2	<2	0.073	
DCS-8	21-Dec-05	<1	<2	<2	<2	0.0073	
DCS-8	29-Dec-05	<1	<2	<2	<2	-88.8	
DCS-8	05-Jan-06	<1	<2	<2	<2	0.006	
DCS-8	09-Jan-06	<1	<2	<2	<2	0.0081	
DCS-8	18-Jan-06	<1	<2	<2	<2	0.005	
DCS-8	24-Jan-06	<1	<2	<2	<2	0.018	
DCS-8	01-Feb-06	<1	<2	<2	<2	0.0056	
DCS-8	09-Feb-06	<0.5	<1	<2	<1	0.015	
DCS-8	13-Feb-06	<0.5	<1	<2	<1	<0.002	
DCS-8	22-Feb-06	<1	<2	<2	<2	0.0052	
DCS-8	01-Mar-06	<1	<2	<2	<2	0.0018	
DCS-8	09-Mar-06	<1	<2	<2	<2	0.0038	
DCS-8	14-Mar-06	<1	<2	<2	<2	0.0088	
DCS-8	22-Mar-06	<1	<2	<2	<2	0.008	
DCS-8	30-Mar-06	<1	<2	<2	<2	0.0024	
DCS-8	05-Apr-06	<1	<2	<2	<2	0.00083	
DCS-8	10-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-8	20-Apr-06	<1	<2	<2	<2	0.0008	
DCS-8	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-8	04-May-06	<1	<2	<2	<2	0.0013	
DCS-8	09-May-06	<1	<2	<2	<2	0.0011	
DCS-8	13-Jun-06	<1	<2	<2	<2	0.0043	
DCS-8	05-Sep-06	<1	<5	<2	<2	0.0084	
DCS-8	04-Dec-06	<1	<5	<2	<2	0.011	
DCS-8	12-Mar-07	<1	<5	<2	<2	0.0022	
DCS-8	21-Jun-07	<1	<2	<2	<2	0.0017	
DCS-8	13-Sep-07	<1	<2	<2	<2	0.0064	
DCS-8	13-Sep-07	<1	<2	<2	<2	0.005	
DCS-8	17-Dec-07	<1	<2	<2	<2	0.0058	
DCS-8	04-Mar-08	<1	<2	<2	<2	0.0034	
DCS-8	18-Jun-08	<1	<2	<2	<2	0.0023	
DCS-8	29-Sep-08	<1	<2	<2	<2	0.0065	
DCS-8	10-Dec-08	<1	<2	<2	<2	0.006	
DCS-8	17-Mar-09	<1	<2	<2	<2	0.0011	

Appendix C

Summary of Historical Surface-Water Analytical Results
EnCana, West Divide Creek Seep
Garfield County, Colorado

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-8	16-Jun-09	<1	<2	<2	<2	0.0032	
DCS-8	17-Sep-09	<1	<2	<2	<2	0.0038	
DCS-8	16-Dec-09	<1	<2	<2	<2	0.0058	

Bold - indicates value exceeds state standard
mg/l - milligrams/liter
ug/l - micrograms/liter
Total number of observations for all points over all dates = 1004

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
DCS-1		1/10/05	< 1	< 2	< 2	< 2	0.0022
DCS-1	Dup	1/10/05	< 1	< 2	< 2	< 2	0.0023
DCS-1	Split	1/10/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-1		3/7/05	< 1	< 2	< 2	< 2	0.0014
DCS-1	Dup	3/7/05	< 1	< 2	< 2	< 2	0.0014
DCS-1	Split	3/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-1		12/4/06	< 1	< 5	< 2	< 2	0.0015
DCS-1	Dup	12/4/06	< 1	< 5	< 2	< 2	0.0015
DCS-1	Split	12/4/06	< 0.25	< 0.25	< 0.25	< 0.5	0.0005
DCS-1		3/17/09	< 1	< 2	< 2	< 2	< 0.0008
DCS-1	Dup	3/17/09	< 1	< 2	< 2	< 2	0.0062
DCS-1	Split	3/17/09	< 1	< 1	< 1	< 1	< 0.001
DCS-2		10/12/04	4.3	< 2	< 2	< 2	0.36
DCS-2	Dup	10/12/04	4.1	< 2	< 2	< 2	0.36
DCS-2	Split	10/12/04	3.6	< 2	< 2	< 1.5	0.18
DCS-2		5/9/05	< 1	< 2	< 2	< 2	0.0084
DCS-2	Dup	5/9/05	< 1	< 2	< 2	< 2	0.0098
DCS-2	Split	5/9/05	< 0.5	< 5	< 0.5	< 1.5	0.012
DCS-2		4/10/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-2	Dup	4/10/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-2	Split	4/10/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00061
DCS-2		9/5/06	< 1	< 5	< 2	< 2	0.0054
DCS-2	Dup	9/5/06	< 1	< 5	< 2	< 2	0.0057
DCS-2	Split	9/5/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00269
DCS-2		3/12/07	< 1	< 5	< 2	< 2	0.072
DCS-2	Dup.	3/12/07	< 1	< 5	< 2	< 2	0.11
DCS-2	Split	3/12/07	< 1	< 5	< 2	< 2	0.0735
DCS-2		6/21/07	< 1	< 2	< 2	< 2	0.0019
DCS-2	Dup	6/21/07	< 1	< 2	< 2	< 2	0.002
DCS-2	Split	6/21/07	< 0.25	< 0.25	< 0.25	< 0.5	0.991
DCS-2		3/3/08	< 1	< 2	< 2	< 2	0.00096
DCS-2	Dup	3/3/08	< 1	< 2	< 2	< 2	0.0011
DCS-2	Split	3/3/08	< 0.5	< 0.5	< 0.5	< 1	0.000488
DCS-3		4/16/04	**5.7**	4.2	< 2	< 2	0.38
DCS-3	Dup	4/16/04	**5.8**	4.2	< 2	2.3	0.33
DCS-3		12/9/04	< 1	< 2	< 2	< 2	0.077
DCS-3	Dup	12/9/04	< 1	< 2	< 2	< 2	0.079
DCS-3	Split	12/9/04	< 0.5	< 5	< 0.5	< 1.5	0.058
DCS-3		6/8/05	< 1	< 2	< 2	< 2	0.0035
DCS-3	Dup	6/8/05	< 1	< 2	< 2	< 2	0.0037
DCS-3	Split	6/8/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-3		7/11/05	< 1	< 2	< 2	< 2	0.0069
DCS-3	Dup	7/11/05	< 1	< 2	< 2	< 2	0.006

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
DCS-3	Split	7/11/05	< 0.5	< 5	0.53	2.6	0.017
DCS-3		5/9/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-3	Dup	5/9/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-3	Split	5/9/06	< 0.5	< 0.5	< 0.5	< 1	0.000849
DCS-3		12/17/07	< 1	< 2	< 2	< 2	0.0032
DCS-3	Dup	12/17/07	< 1	< 2	< 2	< 2	0.0034
DCS-3	Rep	12/17/07	< 0.5	< 5	< 0.5	< 0	0.00371
DCS-3		6/16/09	< 1	< 2	< 2	< 2	0.0014
DCS-3	Dup	6/16/09	< 1	< 2	< 2	< 2	0.0014
DCS-4		2/7/05	< 1	< 2	< 2	< 2	0.0096
DCS-4	Dup	2/7/05	< 1	< 2	< 2	< 2	0.0096
DCS-4	Split	2/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-4		11/7/05	< 1	< 2	< 2	< 2	0.0044
DCS-4	Dup	11/7/05	< 1	< 2	< 2	< 2	0.0034
DCS-4	Split	11/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-4		1/9/06	< 1	< 2	< 2	< 2	0.0064
DCS-4	Dup	1/9/06	< 1	< 2	< 2	< 2	0.0064
DCS-4	Split	1/9/06	< 0.5	< 1	< 1	< 2	0.005
DCS-4		9/29/08	< 1	< 2	< 2	< 2	0.0098
DCS-4	Dup	9/29/08	< 1	< 2	< 2	< 2	0.0098
DCS-4	Split	9/29/08	< 0.5	< 0.5	< 0.5	< 0.5	0.012
DCS-5		9/13/05	< 1	< 2	< 2	< 2	0.0076
DCS-5	Dup	9/13/05	< 1	< 2	< 2	< 2	0.0075
DCS-5	Split	9/13/05	0.99	< 5	< 0.5	1.9	0.012
DCS-5		2/13/06	< 0.5	< 1	< 1	< 2	< 0.002
DCS-5	Dup	2/13/06	< 0.5	< 1	< 1	< 2	0.009
DCS-5	Split	2/13/06	< 0.5	< 0.5	< 0.5	< 1	0.013
DCS-5		6/13/06	< 1	< 2	< 2	< 2	0.0045
DCS-5	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	0.00445
DCS-5		12/10/08	<1	<2	<2	<2	0.0066
DCS-5	Dup	12/10/08	<1	<2	<2	<2	0.0062
DCS-5	Split	12/10/08	<1	<1	<1	<1	0.003
DCS-6		4/29/04	< 1	< 2	< 2	< 2	0.011
DCS-6	Dup	4/29/04	< 1	< 2	< 2	< 2	0.015
DCS-6		10/10/05	< 1	< 2	< 2	< 2	0.014
DCS-6	Dup	10/10/05	< 1	< 2	< 2	< 2	0.015
DCS-6	Split	10/10/05	< 0.5	< 5	< 0.5	< 1.5	0.019
DCS-6		12/6/05	< 1	< 2	< 2	< 2	0.015
DCS-6	Dup	12/6/05	< 1	< 2	< 2	< 2	0.014
DCS-6	Split	12/6/05	< 0.5	< 5	< 0.5	< 1.5	0.014
DCS-6		3/14/06	< 1	< 2	< 2	< 2	0.012
DCS-6	Dup	3/14/06	< 1	< 2	< 2	< 2	0.012

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
DCS-6	Split	3/14/06	< 0.25	< 0.25	< 0.25	< 0.5	0.0143
DCS-6		6/18/08	< 1	< 2	< 2	< 2	0.0029
DCS-6	Dup	6/18/08	< 1	< 2	< 2	< 2	0.0027
DCS-6	Split	6/18/08	< 1	< 1	< 1	< 3	NS
DCS-8		8/8/05	< 1	< 2	< 2	< 2	0.0075
DCS-8	Dup	8/8/05	< 1	< 2	< 2	< 2	0.0072
DCS-8	Split	8/8/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-8		6/13/06	< 1	< 2	< 2	< 2	0.0043
DCS-8	Dup	6/13/06	< 1	< 2	< 2	< 2	0.0048
DCS-8		9/13/07	< 1	< 2	< 2	< 2	0.0064
DCS-8	Dup	9/13/07	< 1	< 2	< 2	< 2	0.005
MW-1		9/11/07	< 1	< 2	< 2	< 2	0.001
MW-1	Dup	9/11/07	< 1	< 2	< 2	< 2	< 0.0008
MW-1	Split	9/11/07	< 0.5	< 0.5	< 0.5	< 1	0.000144
MW-2		2/9/05	**420**	< 10	< 10	30	3
MW-2	Dup	2/9/05	**420**	2.4	8.6	43.5	2.6
MW-2	Split	2/9/05	**340**	< 5	6.7	33	0.65
MW-2		12/7/05	**290**	< 10	< 10	46	6.5
MW-2	Dup	12/7/05	**270**	< 10	< 10	42	5.1
MW-2	Split	12/7/05	**290**	35	8.1	49	8.4
MW-2		1/11/06	**310**	< 2	8.5	63.9	8
MW-2	Dup	1/11/06	**340**	< 2	8.8	62.5	9
MW-2	Split	1/11/06	**174**	< 2	4.9	36.9	3.1
MW-2		3/12/07	**230**	< 2	5.8	37.8	7.8
MW-2	Dup.	3/12/07	**250**	< 2	6.5	43.4	9.4
MW-2	Split	3/12/07	**212**	< 2	8.05	51.43	0.0691
MW-2		6/20/07	**220**	< 2	5.3	36.1	6.1
MW-2	Dup	6/20/07	**190**	< 2	4.6	31.6	4.5
MW-2	Split	6/20/07	**94**	< 0.25	5.5	43.49	0.979
MW-2		3/3/08	**120**	< 2	2.6	11	5.8
MW-2	Dup	3/3/08	**130**	< 2	2.7	12	5.9
MW-2	Split	3/3/08	**186**	< 0.5	5.1	31.2	1.86
MW-2		6/15/09	**110**	<2	<2	28.8	8.3
MW-2	Dup	6/15/09	**94**	<2	<2	24.1	9.2
MW-4		9/15/04	**320**	76	9.5	80.5	9.2
MW-4	Dup	9/15/04	**330**	76	9.1	77.1	8.6
MW-4	Split	9/15/04	**240**	59	6.7	60	27
MW-4		10/14/04	**300**	37	9	55.2	5.6
MW-4	Dup	10/14/04	**300**	51	9	59	9.3
MW-4	Split	10/14/04	**210**	< 50	6.1	37	4.4
MW-4		12/13/04	**270**	36	8.1	64.9	14

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-4	Dup	12/13/04	**270**	37	7.7	62.6	12
MW-4	Split	12/13/04	**240**	33	12	97	7.8
MW-4		1/12/05	**350**	68	11	71.9	14
MW-4	Dup	1/12/05	**360**	40	11	62.3	14
MW-4	Split	1/12/05	**320**	35	8.1	49	6.1
MW-4		4/12/05	**130**	33	< 2	20	8.9
MW-4	Dup	4/12/05	**130**	52	< 2	24	10
MW-4	Split	4/12/05	**280**	< 1200	< 120	< 380	8.7
MW-4		5/9/05	**310**	66	11	88	10
MW-4	Dup	5/9/05	**320**	77	11	90	11
MW-4		7/11/05	**180**	32	3.8	34.9	6.1
MW-4	Dup	7/11/05	**170**	40	3.3	38.7	7.8
MW-4	Split	7/11/05	0.69	< 1200	< 120	< 380	< 1
MW-4		8/9/05	**270**	41	< 10	69	8.3
MW-4	Dup	8/9/05	**240**	46	< 10	65	8.5
MW-4	Split	8/9/05	**170**	29	2.2	62	2.7
MW-4		1/10/06	**270**	< 2	6.5	71	8.8
MW-4	Dup	1/10/06	**270**	< 2	8	73	8.5
MW-4	Split	1/10/06	**97**	< 2	< 2	37	8.3
MW-4		3/12/07	**220**	< 2	7	67.2	9.8
MW-4	Dup.	3/12/07	**200**	< 2	6	55.9	7.6
MW-4	Split	3/12/07	**172**	< 0.25	6.73	69.28	0.0592
MW-4		10/1/08	**110**	< 2	< 2	33.7	6.2
MW-4	Dup	10/1/08	**120**	< 2	< 2	34.9	5
MW-4	Split	10/1/08	**100**	< 0.5	0.69	23.7	4.48
MW-4		3/16/09	**81**	< 2	< 2	17.3	9.2
MW-4	Dup	3/16/09	**83**	< 2	< 2	18.5	9.1
MW-4	Split	3/16/09	**73**	<1	<1	15.7	5.99
MW-6		12/14/04	< 1	< 2	< 2	< 2	0.054
MW-6	Dup	12/14/04	< 1	< 2	< 2	< 2	0.4
MW-6	Split	12/14/04	< 0.5	< 5	< 0.5	< 1.5	0.071
MW-6		6/8/05	1.3	< 2	< 2	< 2	0.18
MW-6	Dup	6/8/05	2.5	< 2	< 2	< 2	0.22
MW-6	Split	6/8/05	2.2	< 5	< 0.5	< 1.5	0.024
MW-6		9/12/05	2	< 2	< 2	< 2	0.12
MW-6	Dup	9/12/05	1.9	< 2	< 2	< 2	0.16
MW-6	Split	9/12/05	1.9	< 5	< 0.5	< 1.5	< 0.01
MW-6		11/8/05	3.7	< 2	< 2	< 2	0.17
MW-6	Dup	11/8/05	3.6	< 2	< 2	< 2	0.17
MW-6	Split	11/8/05	2.1	< 5	< 0.5	< 1.5	0.41
MW-6		2/14/06	< 0.5	< 1	< 1	< 2	0.15
MW-6	Dup	2/14/06	< 0.5	< 1	< 1	< 2	0.077
MW-6	Split	2/14/06	0.6	< 0.5	< 0.5	< 1	0.128
MW-6		4/12/06	1.1	< 2	< 2	< 2	0.046

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-6	Dup	4/12/06	1	< 2	< 2	< 2	0.034
MW-6	Split	4/12/06	1.12	< 0.25	< 0.25	< 0.5	0.125
MW-6		9/7/06	< 1	< 5	< 2	< 2	0.038
MW-6	DUP	9/7/06	< 1	< 5	< 2	< 2	0.031
MW-6	Split	9/7/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00523
MW-6		12/17/07	<1	<2	<2	<2	0.0081
MW-6	Dup	12/17/07	< 1	< 2	< 2	< 2	0.008
MW-6	Split	12/17/07	< 0.5	< 5	< 0.5	< 0	0.00846
MW-6		9/30/08	< 1	< 2	< 2	< 2	< 0.008
MW-6	Dup	9/30/08	< 1	< 2	< 2	< 2	< 0.008
MW-6	Split	9/30/08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.001
MW-7		5/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Dup	5/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Split2	5/10/05	< 0.5	< 5	< 0.5	< 1.5	0.031
MW-7		10/11/05	< 1	< 2	< 2	< 2	0.0075
MW-7	Dup	10/11/05	< 1	< 2	< 2	< 2	0.026
MW-7	Split2	10/11/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-7		9/7/06	< 1	< 2	< 2	< 2	0.047
MW-7	Dup	9/7/06	< 1	< 2	< 2	< 2	0.039
MW-7	Split	9/7/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00163
MW-7		9/21/06	< 1	< 2	< 2	< 2	0.002
MW-7	DUP	9/21/06	< 1	< 2	< 2	< 2	0.0013
MW-7	Split	9/21/06	< 0.25	< 0.25	< 0.25	< 0.5	0.000762
MW-7		6/20/07	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Dup	6/20/07	< 1	< 2	< 2	< 2	0.0013
MW-7	Split	6/20/07	< 0.25	< 0.25	< 0.25	< 0.5	NS
MW-8		11/10/04	**140**	< 2	< 2	< 2	7.2
MW-8	Dup	11/10/04	**150**	< 2	< 2	< 2	6.5
MW-8	Split	11/10/04	**120**	< 5	< 0.5	< 1.5	3.1
MW-8		7/12/05	< 1	< 2	< 2	< 2	0.043
MW-8	Dup	7/12/05	< 1	< 2	< 2	< 2	0.12
MW-8	Split	7/12/05	**120**	< 5	< 0.5	< 1.5	3.1
MW-8		10/12/05	< 1	< 2	< 2	< 2	0.25
MW-8	Dup	10/12/05	< 1	< 2	< 2	< 2	0.19
MW-8	Split	10/12/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-8		5/11/06	< 1	< 2	< 2	< 2	0.032
MW-8	Dup	5/11/06	< 1	< 2	< 2	< 2	0.017
MW-8	Split	5/11/06	< 0.5	< 0.5	< 0.5	< 1	0.0649
MW-9		11/9/04	**310**	160	10	98	10
MW-9	Dup	11/9/04	**320**	170	11	104	9
MW-9	Split	11/9/04	**280**	160	9.8	100	14

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-12		10/13/04	< 1	< 2	< 2	< 2	< 0.0008
MW-12	Dup	10/13/04	< 1	< 2	< 2	< 2	0.17
MW-12	Split	10/13/04	< 1	< 2	< 2	< 1.5	0.12
MW-12		3/15/06	< 1	< 2	< 2	< 2	1.6
MW-12	Dup	3/15/06	< 1	< 2	< 2	< 2	1.4
MW-12	Split	3/15/06	< 0.5	< 0.5	< 0.5	< 1	1.51
MW-16		3/8/05	**6.1**	< 2	< 2	< 2	0.83
MW-16	Dup	3/8/05	**6.3**	< 2	< 2	< 2	0.66
MW-16	Split	3/8/05	**6.2**	< 5	< 0.5	< 1.5	1.7
MW-16		9/16/09	<1	<2	<2	<2	1.8
MW-16	Dup	9/16/09	<1	<2	<2	<2	1.5
MW-16		12/15/09	< 1	< 2	< 2	< 2	0.76
MW-16	Dup	12/15/09	< 1	< 2	< 2	< 2	0.75
MW-18		12/8/05	< 1	< 2	< 2	< 2	0.76
MW-18	Dup	12/8/05	< 1	< 2	< 2	< 2	0.68
MW-18	Split2	12/8/05	< 0.5	< 5	< 0.5	< 1.5	0.8
MW-18		6/13/06	< 1	< 2	< 2	< 2	1.4
MW-18	Dup	6/13/06	< 1	< 2	< 2	< 2	1.2
MW-18	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	1.46
MW-18		6/19/08	< 1	< 2	< 2	< 2	0.15
MW-18	Dup	6/19/08	< 1	< 2	< 2	< 2	0.013
MW-18	Split	6/19/08	< 1	< 1	< 1	< 3	NS
MW-22		3/9/05	< 1	< 2	< 2	< 2	0.0043
MW-22	Dup	3/9/05	< 1	< 2	< 2	< 2	0.0034
MW-22	Split2	3/9/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-23		9/16/09	<1	<2	<2	<2	<0.0008
MW-23	Dup	9/16/09	<1	<2	<2	<2	0.0011
MW-24		8/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	8/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split2	8/10/05	< 0.5	< 5	< 0.5	1.9	< 0.01
MW-24		11/9/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	11/9/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split2	11/9/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-24		2/15/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	2/15/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split	2/15/06	< 0.5	< 0.5	< 0.5	< 1	< 0.0034
MW-24		12/6/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	DUP	12/6/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split	12/6/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00028
MW-24		12/10/08	<1	<2	<2	<2	<0.0008

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-24	Dup	12/10/08	<1	<2	<2	<2	<0.0008
MW-24	Split	12/10/08	<1	<1	<1	<1	<0.001
MW-26		1/13/05	< 1	< 2	< 2	< 2	2.4
MW-26	Dup	1/13/05	< 1	< 2	< 2	< 2	2.1
MW-26	Split	1/13/05	< 0.5	< 5	< 0.5	< 1.5	0.5
MW-26		2/10/05	< 1	< 2	< 2	< 2	2.9
MW-26	Dup	2/10/05	< 1	< 2	< 2	< 2	3.2
MW-26	Split2	2/10/05	< 0.5	< 5	< 0.5	< 1.5	2.9
MW-26		4/13/05	< 1	< 2	< 2	< 2	3.3
MW-26	Dup	4/13/05	< 1	< 2	< 2	< 2	3.3
MW-26	Split2	4/13/05	< 0.5	< 5	< 0.5	< 1.5	3.7
MW-26		5/11/05	< 1	< 2	< 2	< 2	2.3
MW-26	Dup	5/11/05	< 1	< 2	< 2	< 2	2.1
MW-26	Split2	5/11/05	< 0.5	< 5	< 0.5	< 1.5	0.38
MW-26		9/13/05	< 1	< 2	< 2	< 2	0.97
MW-26	Dup	9/13/05	< 1	< 2	< 2	< 2	0.99
MW-26	Split2	9/13/05	< 0.5	< 5	< 0.5	< 1.5	1.5
MW-26		3/16/06	< 1	< 2	< 2	< 2	0.83
MW-26	Dup	3/16/06	< 1	< 2	< 2	< 2	0.79
MW-26	Split	3/16/06	< 0.25	< 0.25	< 0.25	< 0.5	0.000377
MW-26		4/12/06	< 1	< 2	< 2	< 2	0.45
MW-26	Dup	4/12/06	< 1	< 2	< 2	< 2	0.6
MW-26	Split	4/12/06	< 0.25	< 0.25	< 0.25	< 0.5	0.858
MW-26		5/11/06	< 1	< 2	< 2	< 2	0.75
MW-26	Dup	5/11/06	< 1	< 2	< 2	< 2	0.74
MW-26	Split	5/11/06	< 0.5	< 0.5	< 0.5	< 1	0.877
MW-26		6/13/06	< 1	< 2	< 2	< 2	0.63
MW-26	Dup	6/13/06	< 1	< 2	< 2	< 2	0.74
MW-26	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	0.767
MW-26		12/6/06	< 1	< 2	< 2	< 2	1.1
MW-26	DUP	12/6/06	< 1	< 2	< 2	< 2	0.76
MW-26	Split	12/6/06	< 0.25	< 0.25	< 0.25	< 0.5	0.355
MW-26		6/17/08	< 1	< 2	< 2	< 2	0.55
MW-26	Dup	6/17/08	< 1	< 2	< 2	< 2	0.51
MW-26	Split	6/17/08	< 1	< 1	< 1	< 3	NS
MW-26		12/9/08	<1	<2	<2	<2	0.73
MW-26	Dup	12/9/08	<1	<2	<2	<2	0.79
MW-26	Split	12/9/08	<1	<1	<1	<1	0.145
MW-26		12/16/09	< 1	< 2	< 2	< 2	0.27
MW-26	Dup	12/16/09	< 1	< 2	< 2	< 2	0.33
E2		6/9/05	< 1	< 2	< 2	< 2	0.43
E2	Dup	6/9/05	< 1	< 2	< 2	< 2	0.51
E2	Split	6/9/05	< 0.5	< 5	< 0.5	< 1.5	0.13

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
E2		10/25/06	< 1	< 2	< 2	< 2	0.0061
E2	Dup	10/25/06	< 1	< 2	< 2	< 2	0.0098
E2	Split	10/25/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00274

Bold - Indicates Value exceeds state standard
ug/L = micrograms per liter
mg/L = milligrams per liter
< - below laborator reporting limit
NS - Not sampled
Dup - Duplicate sample
Split - Split sample
Split2 - Split sample

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
DCS-1		1/10/05	< 1	< 2	< 2	< 2	0.0022
DCS-1	Dup	1/10/05	< 1	< 2	< 2	< 2	0.0023
DCS-1	Split	1/10/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-1		3/7/05	< 1	< 2	< 2	< 2	0.0014
DCS-1	Dup	3/7/05	< 1	< 2	< 2	< 2	0.0014
DCS-1	Split	3/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-1		12/4/06	< 1	< 5	< 2	< 2	0.0015
DCS-1	Dup	12/4/06	< 1	< 5	< 2	< 2	0.0015
DCS-1	Split	12/4/06	< 0.25	< 0.25	< 0.25	< 0.5	0.0005
DCS-1		3/17/09	< 1	< 2	< 2	< 2	< 0.0008
DCS-1	Dup	3/17/09	< 1	< 2	< 2	< 2	0.0062
DCS-1	Split	3/17/09	< 1	< 1	< 1	< 1	< 0.001
DCS-2		10/12/04	4.3	< 2	< 2	< 2	0.36
DCS-2	Dup	10/12/04	4.1	< 2	< 2	< 2	0.36
DCS-2	Split	10/12/04	3.6	< 2	< 2	< 1.5	0.18
DCS-2		5/9/05	< 1	< 2	< 2	< 2	0.0084
DCS-2	Dup	5/9/05	< 1	< 2	< 2	< 2	0.0098
DCS-2	Split	5/9/05	< 0.5	< 5	< 0.5	< 1.5	0.012
DCS-2		4/10/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-2	Dup	4/10/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-2	Split	4/10/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00061
DCS-2		9/5/06	< 1	< 5	< 2	< 2	0.0054
DCS-2	Dup	9/5/06	< 1	< 5	< 2	< 2	0.0057
DCS-2	Split	9/5/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00269
DCS-2		3/12/07	< 1	< 5	< 2	< 2	0.072
DCS-2	Dup.	3/12/07	< 1	< 5	< 2	< 2	0.11
DCS-2	Split	3/12/07	< 1	< 5	< 2	< 2	0.0735
DCS-2		6/21/07	< 1	< 2	< 2	< 2	0.0019
DCS-2	Dup	6/21/07	< 1	< 2	< 2	< 2	0.002
DCS-2	Split	6/21/07	< 0.25	< 0.25	< 0.25	< 0.5	0.991
DCS-2		3/3/08	< 1	< 2	< 2	< 2	0.00096
DCS-2	Dup	3/3/08	< 1	< 2	< 2	< 2	0.0011
DCS-2	Split	3/3/08	< 0.5	< 0.5	< 0.5	< 1	0.000488
DCS-3		4/16/04	**5.7**	4.2	< 2	< 2	0.38
DCS-3	Dup	4/16/04	**5.8**	4.2	< 2	2.3	0.33
DCS-3		12/9/04	< 1	< 2	< 2	< 2	0.077
DCS-3	Dup	12/9/04	< 1	< 2	< 2	< 2	0.079
DCS-3	Split	12/9/04	< 0.5	< 5	< 0.5	< 1.5	0.058
DCS-3		6/8/05	< 1	< 2	< 2	< 2	0.0035
DCS-3	Dup	6/8/05	< 1	< 2	< 2	< 2	0.0037
DCS-3	Split	6/8/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-3		7/11/05	< 1	< 2	< 2	< 2	0.0069
DCS-3	Dup	7/11/05	< 1	< 2	< 2	< 2	0.006

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Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
DCS-3	Split	7/11/05	< 0.5	< 5	0.53	2.6	0.017
DCS-3		5/9/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-3	Dup	5/9/06	< 1	< 2	< 2	< 2	< 0.0008
DCS-3	Split	5/9/06	< 0.5	< 0.5	< 0.5	< 1	0.000849
DCS-3		12/17/07	< 1	< 2	< 2	< 2	0.0032
DCS-3	Dup	12/17/07	< 1	< 2	< 2	< 2	0.0034
DCS-3	Rep	12/17/07	< 0.5	< 5	< 0.5	< 0	0.00371
DCS-3		6/16/09	< 1	< 2	< 2	< 2	0.0014
DCS-3	Dup	6/16/09	< 1	< 2	< 2	< 2	0.0014
DCS-4		2/7/05	< 1	< 2	< 2	< 2	0.0096
DCS-4	Dup	2/7/05	< 1	< 2	< 2	< 2	0.0096
DCS-4	Split	2/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-4		11/7/05	< 1	< 2	< 2	< 2	0.0044
DCS-4	Dup	11/7/05	< 1	< 2	< 2	< 2	0.0034
DCS-4	Split	11/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-4		1/9/06	< 1	< 2	< 2	< 2	0.0064
DCS-4	Dup	1/9/06	< 1	< 2	< 2	< 2	0.0064
DCS-4	Split	1/9/06	< 0.5	< 1	< 1	< 2	0.005
DCS-4		9/29/08	< 1	< 2	< 2	< 2	0.0098
DCS-4	Dup	9/29/08	< 1	< 2	< 2	< 2	0.0098
DCS-4	Split	9/29/08	< 0.5	< 0.5	< 0.5	< 0.5	0.012
DCS-5		9/13/05	< 1	< 2	< 2	< 2	0.0076
DCS-5	Dup	9/13/05	< 1	< 2	< 2	< 2	0.0075
DCS-5	Split	9/13/05	0.99	< 5	< 0.5	1.9	0.012
DCS-5		2/13/06	< 0.5	< 1	< 1	< 2	< 0.002
DCS-5	Dup	2/13/06	< 0.5	< 1	< 1	< 2	0.009
DCS-5	Split	2/13/06	< 0.5	< 0.5	< 0.5	< 1	0.013
DCS-5		6/13/06	< 1	< 2	< 2	< 2	0.0045
DCS-5	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	0.00445
DCS-5		12/10/08	<1	<2	<2	<2	0.0066
DCS-5	Dup	12/10/08	<1	<2	<2	<2	0.0062
DCS-5	Split	12/10/08	<1	<1	<1	<1	0.003
DCS-6		4/29/04	< 1	< 2	< 2	< 2	0.011
DCS-6	Dup	4/29/04	< 1	< 2	< 2	< 2	0.015
DCS-6		10/10/05	< 1	< 2	< 2	< 2	0.014
DCS-6	Dup	10/10/05	< 1	< 2	< 2	< 2	0.015
DCS-6	Split	10/10/05	< 0.5	< 5	< 0.5	< 1.5	0.019
DCS-6		12/6/05	< 1	< 2	< 2	< 2	0.015
DCS-6	Dup	12/6/05	< 1	< 2	< 2	< 2	0.014
DCS-6	Split	12/6/05	< 0.5	< 5	< 0.5	< 1.5	0.014
DCS-6		3/14/06	< 1	< 2	< 2	< 2	0.012
DCS-6	Dup	3/14/06	< 1	< 2	< 2	< 2	0.012

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
DCS-6	Split	3/14/06	< 0.25	< 0.25	< 0.25	< 0.5	0.0143
DCS-6		6/18/08	< 1	< 2	< 2	< 2	0.0029
DCS-6	Dup	6/18/08	< 1	< 2	< 2	< 2	0.0027
DCS-6	Split	6/18/08	< 1	< 1	< 1	< 3	NS
DCS-8		8/8/05	< 1	< 2	< 2	< 2	0.0075
DCS-8	Dup	8/8/05	< 1	< 2	< 2	< 2	0.0072
DCS-8	Split	8/8/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-8		6/13/06	< 1	< 2	< 2	< 2	0.0043
DCS-8	Dup	6/13/06	< 1	< 2	< 2	< 2	0.0048
DCS-8		9/13/07	< 1	< 2	< 2	< 2	0.0064
DCS-8	Dup	9/13/07	< 1	< 2	< 2	< 2	0.005
MW-1		9/11/07	< 1	< 2	< 2	< 2	0.001
MW-1	Dup	9/11/07	< 1	< 2	< 2	< 2	< 0.0008
MW-1	Split	9/11/07	< 0.5	< 0.5	< 0.5	< 1	0.000144
MW-2		2/9/05	**420**	< 10	< 10	30	3
MW-2	Dup	2/9/05	**420**	2.4	8.6	43.5	2.6
MW-2	Split	2/9/05	**340**	< 5	6.7	33	0.65
MW-2		12/7/05	**290**	< 10	< 10	46	6.5
MW-2	Dup	12/7/05	**270**	< 10	< 10	42	5.1
MW-2	Split	12/7/05	**290**	35	8.1	49	8.4
MW-2		1/11/06	**310**	< 2	8.5	63.9	8
MW-2	Dup	1/11/06	**340**	< 2	8.8	62.5	9
MW-2	Split	1/11/06	**174**	< 2	4.9	36.9	3.1
MW-2		3/12/07	**230**	< 2	5.8	37.8	7.8
MW-2	Dup.	3/12/07	**250**	< 2	6.5	43.4	9.4
MW-2	Split	3/12/07	**212**	< 2	8.05	51.43	0.0691
MW-2		6/20/07	**220**	< 2	5.3	36.1	6.1
MW-2	Dup	6/20/07	**190**	< 2	4.6	31.6	4.5
MW-2	Split	6/20/07	**94**	< 0.25	5.5	43.49	0.979
MW-2		3/3/08	**120**	< 2	2.6	11	5.8
MW-2	Dup	3/3/08	**130**	< 2	2.7	12	5.9
MW-2	Split	3/3/08	**186**	< 0.5	5.1	31.2	1.86
MW-2		6/15/09	**110**	<2	<2	28.8	8.3
MW-2	Dup	6/15/09	**94**	<2	<2	24.1	9.2
MW-4		9/15/04	**320**	76	9.5	80.5	9.2
MW-4	Dup	9/15/04	**330**	76	9.1	77.1	8.6
MW-4	Split	9/15/04	**240**	59	6.7	60	27
MW-4		10/14/04	**300**	37	9	55.2	5.6
MW-4	Dup	10/14/04	**300**	51	9	59	9.3
MW-4	Split	10/14/04	**210**	< 50	6.1	37	4.4
MW-4		12/13/04	**270**	36	8.1	64.9	14

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-4	Dup	12/13/04	**270**	37	7.7	62.6	12
MW-4	Split	12/13/04	**240**	33	12	97	7.8
MW-4		1/12/05	**350**	68	11	71.9	14
MW-4	Dup	1/12/05	**360**	40	11	62.3	14
MW-4	Split	1/12/05	**320**	35	8.1	49	6.1
MW-4		4/12/05	**130**	33	< 2	20	8.9
MW-4	Dup	4/12/05	**130**	52	< 2	24	10
MW-4	Split	4/12/05	**280**	< 1200	< 120	< 380	8.7
MW-4		5/9/05	**310**	66	11	88	10
MW-4	Dup	5/9/05	**320**	77	11	90	11
MW-4		7/11/05	**180**	32	3.8	34.9	6.1
MW-4	Dup	7/11/05	**170**	40	3.3	38.7	7.8
MW-4	Split	7/11/05	0.69	< 1200	< 120	< 380	< 1
MW-4		8/9/05	**270**	41	< 10	69	8.3
MW-4	Dup	8/9/05	**240**	46	< 10	65	8.5
MW-4	Split	8/9/05	**170**	29	2.2	62	2.7
MW-4		1/10/06	**270**	< 2	6.5	71	8.8
MW-4	Dup	1/10/06	**270**	< 2	8	73	8.5
MW-4	Split	1/10/06	**97**	< 2	< 2	37	8.3
MW-4		3/12/07	**220**	< 2	7	67.2	9.8
MW-4	Dup.	3/12/07	**200**	< 2	6	55.9	7.6
MW-4	Split	3/12/07	**172**	< 0.25	6.73	69.28	0.0592
MW-4		10/1/08	**110**	< 2	< 2	33.7	6.2
MW-4	Dup	10/1/08	**120**	< 2	< 2	34.9	5
MW-4	Split	10/1/08	**100**	< 0.5	0.69	23.7	4.48
MW-4		3/16/09	**81**	< 2	< 2	17.3	9.2
MW-4	Dup	3/16/09	**83**	< 2	< 2	18.5	9.1
MW-4	Split	3/16/09	**73**	<1	<1	15.7	5.99
MW-6		12/14/04	< 1	< 2	< 2	< 2	0.054
MW-6	Dup	12/14/04	< 1	< 2	< 2	< 2	0.4
MW-6	Split	12/14/04	< 0.5	< 5	< 0.5	< 1.5	0.071
MW-6		6/8/05	1.3	< 2	< 2	< 2	0.18
MW-6	Dup	6/8/05	2.5	< 2	< 2	< 2	0.22
MW-6	Split	6/8/05	2.2	< 5	< 0.5	< 1.5	0.024
MW-6		9/12/05	2	< 2	< 2	< 2	0.12
MW-6	Dup	9/12/05	1.9	< 2	< 2	< 2	0.16
MW-6	Split	9/12/05	1.9	< 5	< 0.5	< 1.5	< 0.01
MW-6		11/8/05	3.7	< 2	< 2	< 2	0.17
MW-6	Dup	11/8/05	3.6	< 2	< 2	< 2	0.17
MW-6	Split	11/8/05	2.1	< 5	< 0.5	< 1.5	0.41
MW-6		2/14/06	< 0.5	< 1	< 1	< 2	0.15
MW-6	Dup	2/14/06	< 0.5	< 1	< 1	< 2	0.077
MW-6	Split	2/14/06	0.6	< 0.5	< 0.5	< 1	0.128
MW-6		4/12/06	1.1	< 2	< 2	< 2	0.046

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-6	Dup	4/12/06	1	< 2	< 2	< 2	0.034
MW-6	Split	4/12/06	1.12	< 0.25	< 0.25	< 0.5	0.125
MW-6		9/7/06	< 1	< 5	< 2	< 2	0.038
MW-6	DUP	9/7/06	< 1	< 5	< 2	< 2	0.031
MW-6	Split	9/7/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00523
MW-6		12/17/07	<1	<2	<2	<2	0.0081
MW-6	Dup	12/17/07	< 1	< 2	< 2	< 2	0.008
MW-6	Split	12/17/07	< 0.5	< 5	< 0.5	< 0	0.00846
MW-6		9/30/08	< 1	< 2	< 2	< 2	< 0.008
MW-6	Dup	9/30/08	< 1	< 2	< 2	< 2	< 0.008
MW-6	Split	9/30/08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.001
MW-7		5/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Dup	5/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Split2	5/10/05	< 0.5	< 5	< 0.5	< 1.5	0.031
MW-7		10/11/05	< 1	< 2	< 2	< 2	0.0075
MW-7	Dup	10/11/05	< 1	< 2	< 2	< 2	0.026
MW-7	Split2	10/11/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-7		9/7/06	< 1	< 2	< 2	< 2	0.047
MW-7	Dup	9/7/06	< 1	< 2	< 2	< 2	0.039
MW-7	Split	9/7/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00163
MW-7		9/21/06	< 1	< 2	< 2	< 2	0.002
MW-7	DUP	9/21/06	< 1	< 2	< 2	< 2	0.0013
MW-7	Split	9/21/06	< 0.25	< 0.25	< 0.25	< 0.5	0.000762
MW-7		6/20/07	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Dup	6/20/07	< 1	< 2	< 2	< 2	0.0013
MW-7	Split	6/20/07	< 0.25	< 0.25	< 0.25	< 0.5	NS
MW-8		11/10/04	**140**	< 2	< 2	< 2	7.2
MW-8	Dup	11/10/04	**150**	< 2	< 2	< 2	6.5
MW-8	Split	11/10/04	**120**	< 5	< 0.5	< 1.5	3.1
MW-8		7/12/05	< 1	< 2	< 2	< 2	0.043
MW-8	Dup	7/12/05	< 1	< 2	< 2	< 2	0.12
MW-8	Split	7/12/05	**120**	< 5	< 0.5	< 1.5	3.1
MW-8		10/12/05	< 1	< 2	< 2	< 2	0.25
MW-8	Dup	10/12/05	< 1	< 2	< 2	< 2	0.19
MW-8	Split	10/12/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-8		5/11/06	< 1	< 2	< 2	< 2	0.032
MW-8	Dup	5/11/06	< 1	< 2	< 2	< 2	0.017
MW-8	Split	5/11/06	< 0.5	< 0.5	< 0.5	< 1	0.0649
MW-9		11/9/04	**310**	160	10	98	10
MW-9	Dup	11/9/04	**320**	170	11	104	9
MW-9	Split	11/9/04	**280**	160	9.8	100	14

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-12		10/13/04	< 1	< 2	< 2	< 2	< 0.0008
MW-12	Dup	10/13/04	< 1	< 2	< 2	< 2	0.17
MW-12	Split	10/13/04	< 1	< 2	< 2	< 1.5	0.12
MW-12		3/15/06	< 1	< 2	< 2	< 2	1.6
MW-12	Dup	3/15/06	< 1	< 2	< 2	< 2	1.4
MW-12	Split	3/15/06	< 0.5	< 0.5	< 0.5	< 1	1.51
MW-16		3/8/05	**6.1**	< 2	< 2	< 2	0.83
MW-16	Dup	3/8/05	**6.3**	< 2	< 2	< 2	0.66
MW-16	Split	3/8/05	**6.2**	< 5	< 0.5	< 1.5	1.7
MW-16		9/16/09	<1	<2	<2	<2	1.8
MW-16	Dup	9/16/09	<1	<2	<2	<2	1.5
MW-16		12/15/09	< 1	< 2	< 2	< 2	0.76
MW-16	Dup	12/15/09	< 1	< 2	< 2	< 2	0.75
MW-18		12/8/05	< 1	< 2	< 2	< 2	0.76
MW-18	Dup	12/8/05	< 1	< 2	< 2	< 2	0.68
MW-18	Split2	12/8/05	< 0.5	< 5	< 0.5	< 1.5	0.8
MW-18		6/13/06	< 1	< 2	< 2	< 2	1.4
MW-18	Dup	6/13/06	< 1	< 2	< 2	< 2	1.2
MW-18	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	1.46
MW-18		6/19/08	< 1	< 2	< 2	< 2	0.15
MW-18	Dup	6/19/08	< 1	< 2	< 2	< 2	0.013
MW-18	Split	6/19/08	< 1	< 1	< 1	< 3	NS
MW-22		3/9/05	< 1	< 2	< 2	< 2	0.0043
MW-22	Dup	3/9/05	< 1	< 2	< 2	< 2	0.0034
MW-22	Split2	3/9/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-23		9/16/09	<1	<2	<2	<2	<0.0008
MW-23	Dup	9/16/09	<1	<2	<2	<2	0.0011
MW-24		8/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	8/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split2	8/10/05	< 0.5	< 5	< 0.5	1.9	< 0.01
MW-24		11/9/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	11/9/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split2	11/9/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-24		2/15/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	2/15/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split	2/15/06	< 0.5	< 0.5	< 0.5	< 1	< 0.0034
MW-24		12/6/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	DUP	12/6/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split	12/6/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00028
MW-24		12/10/08	<1	<2	<2	<2	<0.0008

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-24	Dup	12/10/08	<1	<2	<2	<2	<0.0008
MW-24	Split	12/10/08	<1	<1	<1	<1	<0.001
MW-26		1/13/05	< 1	< 2	< 2	< 2	2.4
MW-26	Dup	1/13/05	< 1	< 2	< 2	< 2	2.1
MW-26	Split	1/13/05	< 0.5	< 5	< 0.5	< 1.5	0.5
MW-26		2/10/05	< 1	< 2	< 2	< 2	2.9
MW-26	Dup	2/10/05	< 1	< 2	< 2	< 2	3.2
MW-26	Split2	2/10/05	< 0.5	< 5	< 0.5	< 1.5	2.9
MW-26		4/13/05	< 1	< 2	< 2	< 2	3.3
MW-26	Dup	4/13/05	< 1	< 2	< 2	< 2	3.3
MW-26	Split2	4/13/05	< 0.5	< 5	< 0.5	< 1.5	3.7
MW-26		5/11/05	< 1	< 2	< 2	< 2	2.3
MW-26	Dup	5/11/05	< 1	< 2	< 2	< 2	2.1
MW-26	Split2	5/11/05	< 0.5	< 5	< 0.5	< 1.5	0.38
MW-26		9/13/05	< 1	< 2	< 2	< 2	0.97
MW-26	Dup	9/13/05	< 1	< 2	< 2	< 2	0.99
MW-26	Split2	9/13/05	< 0.5	< 5	< 0.5	< 1.5	1.5
MW-26		3/16/06	< 1	< 2	< 2	< 2	0.83
MW-26	Dup	3/16/06	< 1	< 2	< 2	< 2	0.79
MW-26	Split	3/16/06	< 0.25	< 0.25	< 0.25	< 0.5	0.000377
MW-26		4/12/06	< 1	< 2	< 2	< 2	0.45
MW-26	Dup	4/12/06	< 1	< 2	< 2	< 2	0.6
MW-26	Split	4/12/06	< 0.25	< 0.25	< 0.25	< 0.5	0.858
MW-26		5/11/06	< 1	< 2	< 2	< 2	0.75
MW-26	Dup	5/11/06	< 1	< 2	< 2	< 2	0.74
MW-26	Split	5/11/06	< 0.5	< 0.5	< 0.5	< 1	0.877
MW-26		6/13/06	< 1	< 2	< 2	< 2	0.63
MW-26	Dup	6/13/06	< 1	< 2	< 2	< 2	0.74
MW-26	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	0.767
MW-26		12/6/06	< 1	< 2	< 2	< 2	1.1
MW-26	DUP	12/6/06	< 1	< 2	< 2	< 2	0.76
MW-26	Split	12/6/06	< 0.25	< 0.25	< 0.25	< 0.5	0.355
MW-26		6/17/08	< 1	< 2	< 2	< 2	0.55
MW-26	Dup	6/17/08	< 1	< 2	< 2	< 2	0.51
MW-26	Split	6/17/08	< 1	< 1	< 1	< 3	NS
MW-26		12/9/08	<1	<2	<2	<2	0.73
MW-26	Dup	12/9/08	<1	<2	<2	<2	0.79
MW-26	Split	12/9/08	<1	<1	<1	<1	0.145
MW-26		12/16/09	< 1	< 2	< 2	< 2	0.27
MW-26	Dup	12/16/09	< 1	< 2	< 2	< 2	0.33
E2		6/9/05	< 1	< 2	< 2	< 2	0.43
E2	Dup	6/9/05	< 1	< 2	< 2	< 2	0.51
E2	Split	6/9/05	< 0.5	< 5	< 0.5	< 1.5	0.13

Appendix D

Summary of Historical QA/QC Samples
EnCana, West Divide Seep
Garfield County, Colorado

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
E2		10/25/06	< 1	< 2	< 2	< 2	0.0061
E2	Dup	10/25/06	< 1	< 2	< 2	< 2	0.0098
E2	Split	10/25/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00274

Bold - Indicates Value exceeds state standard
ug/L = micrograms per liter
mg/L = milligrams per liter
< - below laborator reporting limit
NS - Not sampled
Dup - Duplicate sample
Split - Split sample
Split2 - Split sample

APPENDIX E

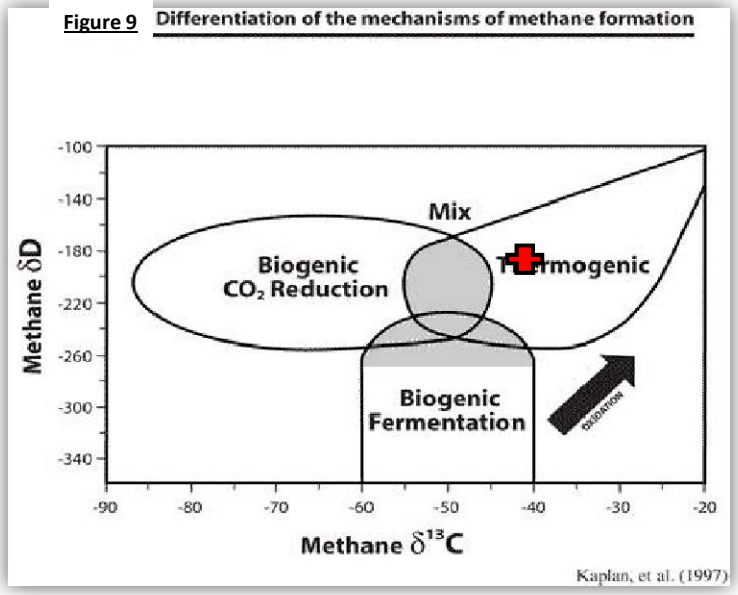
Thermogenic Methane Data
included as .pdf file on CD in back

Appendix E - An Estimation of Thermogenic Methane Data for West Divide Creek Seep Study Area

Date	Site ID	Total Methane mg/L	Thermogenic Methane mg/L	$\delta^{13}C_1$ per mil	δDC_1 per mil	Comment
16-Dec-09	DCS2	0.0032	0.002			Hydrocarbon levels (including methane) too low for accurate analysis
16-Dec-09	DCS3	0.0016	0.001			Hydrocarbon levels (including methane) too low for accurate analysis
15-Dec-09	MW2	9.1	7.1	-40.14	-188.8	Consistent with thermogenic (or mostly thermogenic) formation
15-Dec-09	MW9	9.2	6.4	-40.54	-192.0	Consistent with thermogenic (or mostly thermogenic) formation
15-Dec-09	MW14	5.7	3.4	-40.41	-194.1	Consistent with thermogenic (or mostly thermogenic) formation
15-Dec-09	MW17	3.2	1.5	-45.2	-195.7	Consistent with thermogenic (or mostly thermogenic) formation
16-Dec-09	MW23	<0.3700	<0.0008	-58.7	-134	Consistent with biogenic formation

Hydrocarbon levels (including methane) too low for accurate analysis
Isotech data inconsistent with either thermogenic or biogenic formation
Consistent with biogenic formation
All others consistent with thermogenic (or mostly thermogenic) formation
Ratioed data and Raw data show more information regarding results

Figure 9 Differentiation of the mechanisms of methane formation

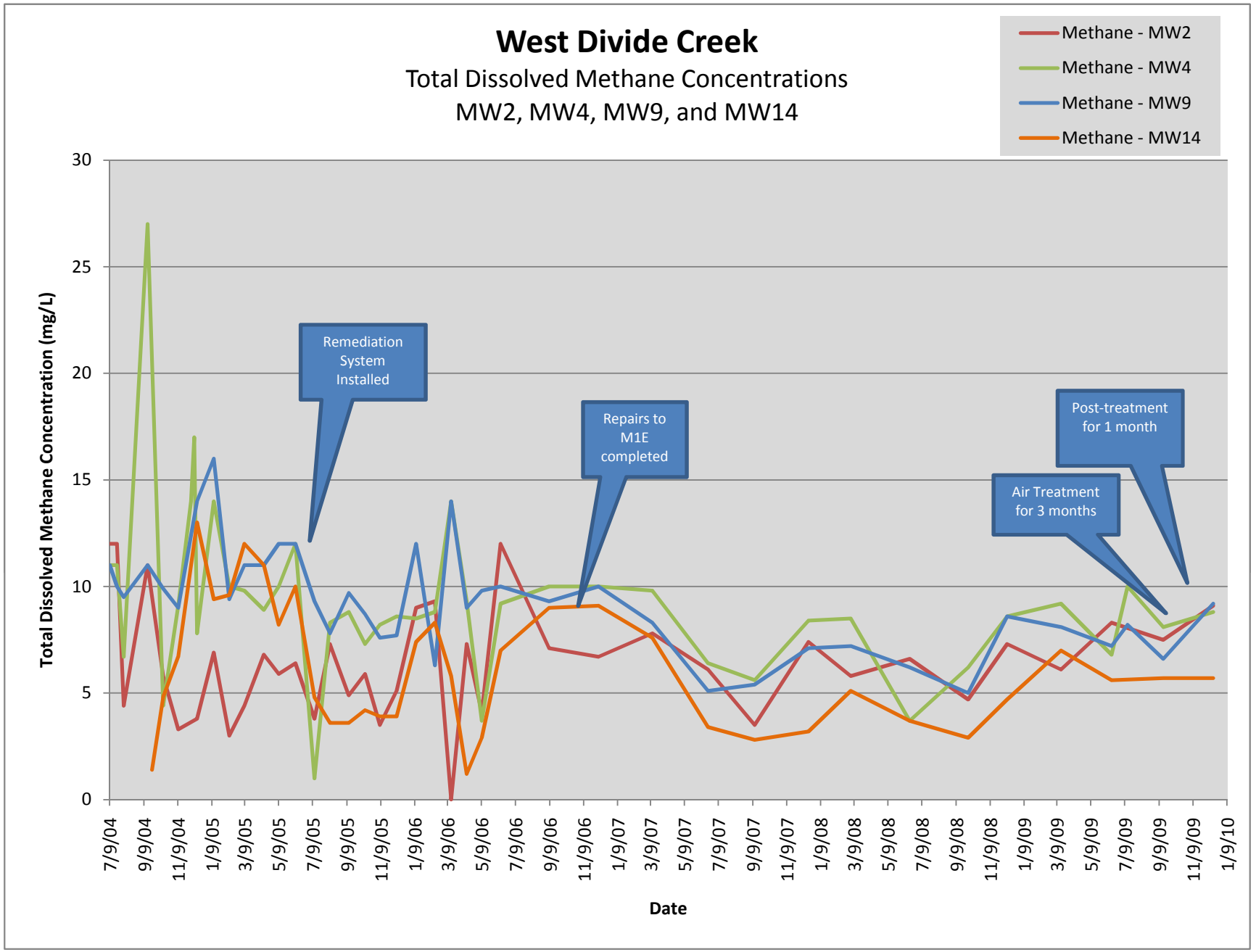


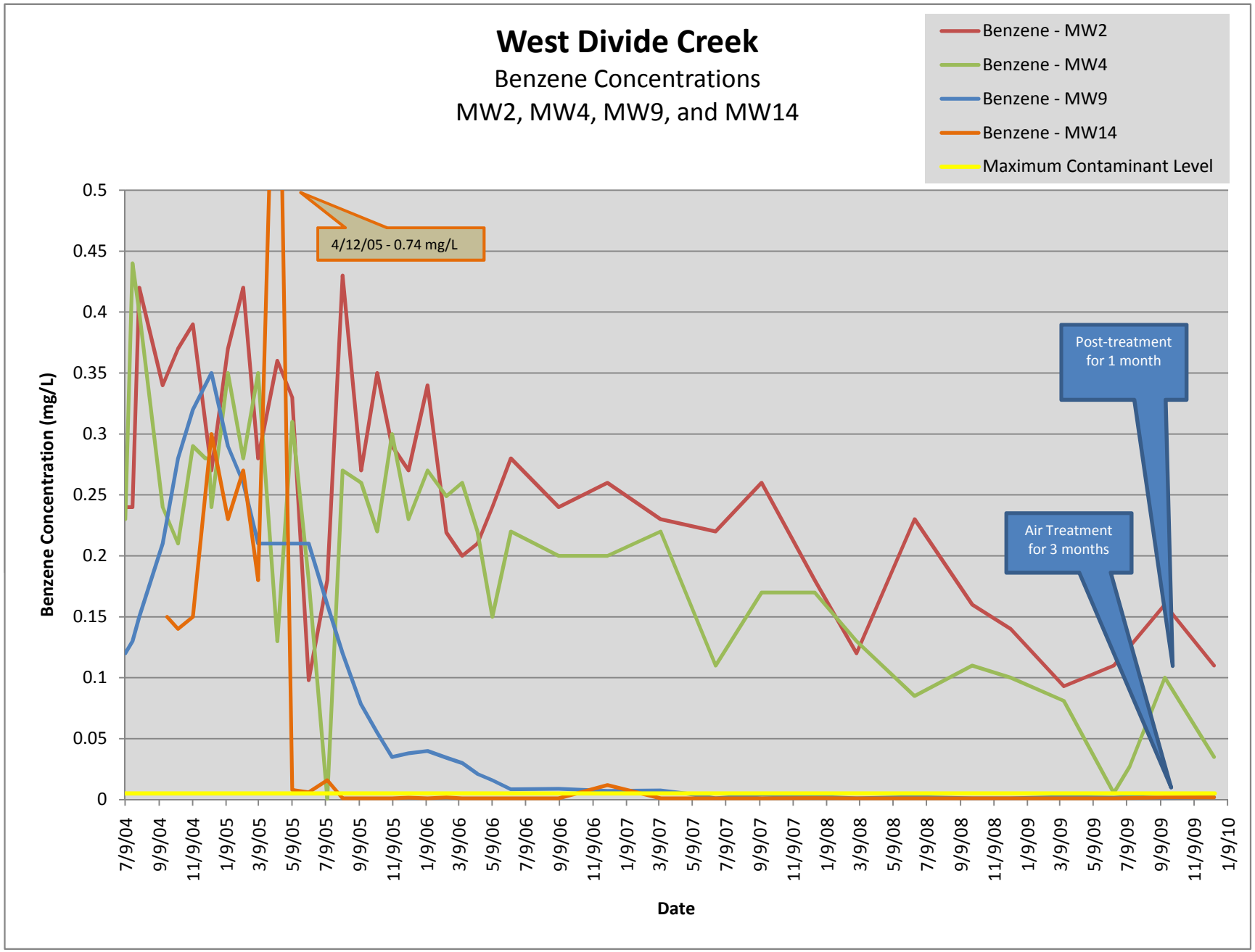
Appendix E - Ratioed Thermogenic Methane Data for West Divide Creek Seep Study Area

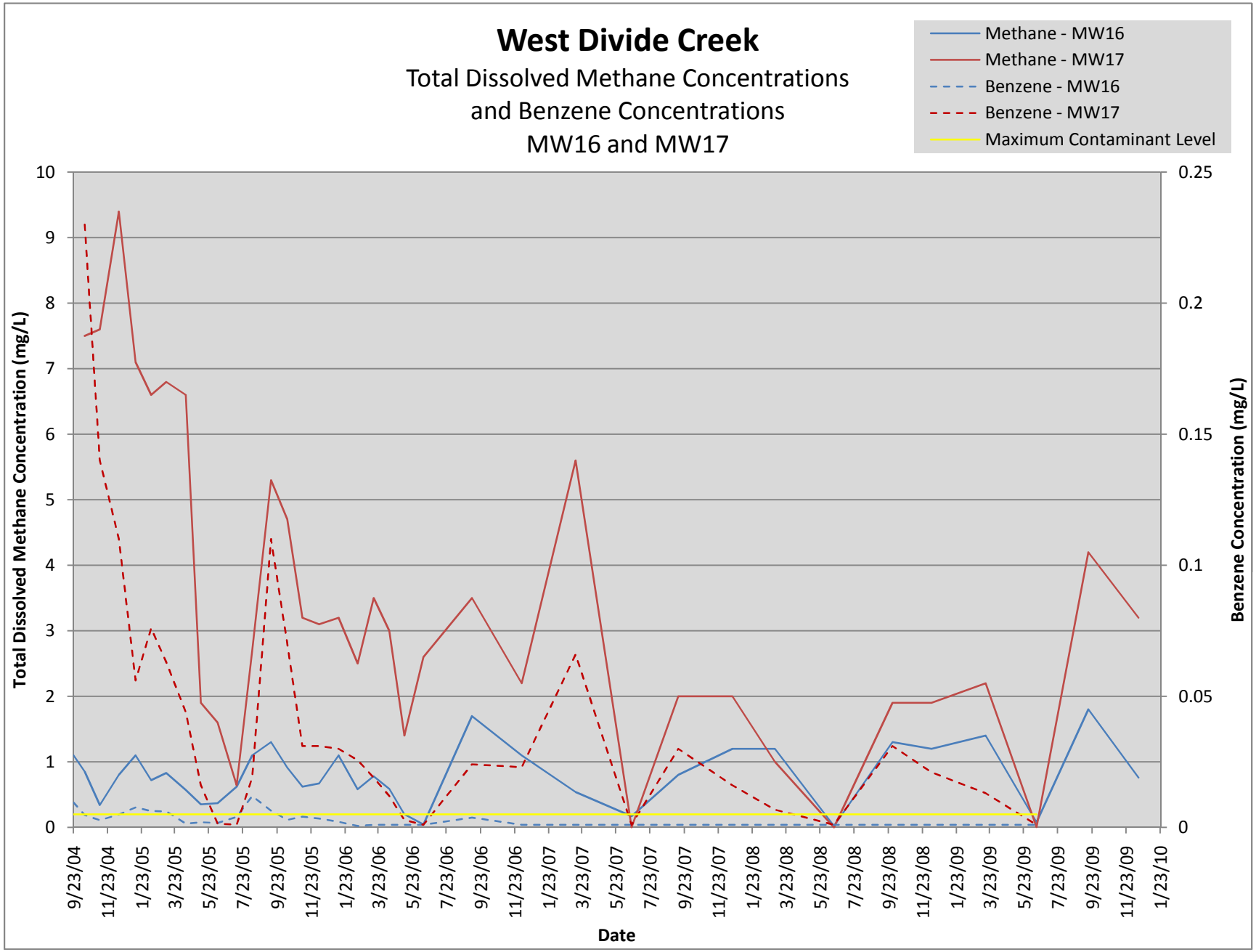
		Water Sample	Percentage, Hydrocarbon only basis															
Date	Site ID	Total Methane mg/L	C_1	C_2	C_3	iC_4	nC_4	iC_5	nC_5	C_6+	$\delta^{13}C_1$ per mil	δDC_1 per mil	C1/ (C2 + C3)	Biogenic only?	Fraction from Biogenic Source	Biogenic Methane mg/L	Thermog Methane mg/L	Total Methane (check) mg/L
16-Dec-09	DCS2	0.0032	87.854%	7.287%	1.619%	0.000%	1.619%	0.000%	0.000%	1.619%			9.9E+00		0.423	0.001	0.002	0.0032
16-Dec-09	DCS3	0.0016	85.714%	5.263%	3.008%	0.000%	3.008%	0.000%	0.000%	3.008%			1.0E+01		0.321	0.001	0.001	0.0016
15-Dec-09	MW2	9.1	83.502%	11.017%	3.899%	0.550%	0.660%	0.149%	0.094%	0.129%	-40.14	-188.8	5.6E+00		0.216	1.967	7.133	9.1
15-Dec-09	MW9	9.2	85.386%	9.555%	3.568%	0.501%	0.605%	0.161%	0.086%	0.138%	-40.54	-192	6.5E+00		0.306	2.812	6.388	9.2
15-Dec-09	MW14	5.7	87.452%	8.571%	2.827%	0.384%	0.493%	0.110%	0.075%	0.089%	-40.41	-194.1	7.7E+00		0.404	2.302	3.398	5.7
15-Dec-09	MW17	3.2	90.090%	9.450%	0.375%	0.035%	0.033%	0.006%	0.003%	0.009%	-45.17	-195.7	9.2E+00		0.529	1.694	1.506	3.2
16-Dec-09	MW23	0.37	97.923%	1.974%	0.079%	0.008%	0.008%	0.000%	0.000%	0.008%	-58.73	-133.5	4.8E+01	Yes	1.000	0.370	0.000	0.37

Appendix E - Raw Thermogenic Methane Data for West Divide Creek Seep Study Area

		Water Sample	Isotech Gas Data														
Date	Site ID	Methane mg/L	Ar %	O_2 %	CO_2 %	N_2 %	C_1 %	C_2 %	C_3 %	iC_4 %	nC_4 %	iC_5 %	nC_5 %	C_6+ %	$\delta^{13}C_1$ per mil	δDC_1 per mil	$\delta^{13}C_2$ per mil	$\delta^{13}C_3$ per mil
16-Dec-09	DCS2	0.0032	1.44	30.63	1.48	66.43	0.0217	0.0018	0.0004	0	0.0004	0	0	0.0004				
16-Dec-09	DCS3	0.0016	1.43	31.16	0.96	66.44	0.0114	0.0007	0.0004	0	0.0004	0	0	0.0004				
15-Dec-09	MW2	9.1	0.222	1.32	2.11	10.92	71.32	9.41	3.33	0.470	0.564	0.127	0.0804	0.11	-40.14	-188.8	-28.24	-26.01
15-Dec-09	MW9	9.2	0.562	2.63	4.91	26.58	55.76	6.24	2.33	0.327	0.395	0.105	0.0564	0.0901	-40.54	-192.0	-28.43	-25.64
15-Dec-09	MW14	5.7	0.977	0.26	8.15	45.44	39.59	3.88	1.28	0.174	0.223	0.0497	0.0339	0.0401	-40.41	-194.1	-28.3	-25.7
15-Dec-09	MW17	3.2	1.26	0.25	7.11	61.22	27.17	2.85	0.113	0.0107	0.0099	0.0017	0.0009	0.0026	-45.17	-195.7	-27.8	-25.0
16-Dec-09	MW23	0.37	1.54	4.65	11.88	76.86	4.96	0.100	0.004	0.0004	0.0004	0	0	0.0004	-58.73	-133.5	-26.7	


West Divide Creek
Total Dissolved Methane Concentrations
MW2, MW4, MW9, and MW14
Methane - MW2
Methane - MW4
Methane - MW9
Methane - MW14
Total Dissolved Methane Concentration (mg/L)
30
25
20
15
10
5
0
Remediation System Installed
Repairs to M1E completed
Air Treatment for 3 months
Post-treatment for 1 month
7/9/04
9/9/04
11/9/04
1/9/05
3/9/05
5/9/05
7/9/05
9/9/05
11/9/05
1/9/06
3/9/06
5/9/06
7/9/06
9/9/06
11/9/06
1/9/07
3/9/07
5/9/07
7/9/07
9/9/07
11/9/07
1/9/08
3/9/08
5/9/08
7/9/08
9/9/08
11/9/08
1/9/09
3/9/09
5/9/09
7/9/09
9/9/09
11/9/09
1/9/10
Date


West Divide Creek
Benzene Concentrations
MW2, MW4, MW9, and MW14
Benzene - MW2
Benzene - MW4
Benzene - MW9
Benzene - MW14
Maximum Contaminant Level
4/12/05 - 0.74 mg/L
Post-treatment for 1 month
Air Treatment for 3 months
Benzene Concentration (mg/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7/9/04
9/9/04
11/9/04
1/9/05
3/9/05
5/9/05
7/9/05
9/9/05
11/9/05
1/9/06
3/9/06
5/9/06
7/9/06
9/9/06
11/9/06
1/9/07
3/9/07
5/9/07
7/9/07
9/9/07
11/9/07
1/9/08
3/9/08
5/9/08
7/9/08
9/9/08
11/9/08
1/9/09
3/9/09
5/9/09
7/9/09
9/9/09
11/9/09
1/9/10
Date


West Divide Creek
Total Dissolved Methane Concentrations
and Benzene Concentrations
MW16 and MW17
Methane - MW16
Methane - MW17
Benzene - MW16
Benzene - MW17
Maximum Contaminant Level
Total Dissolved Methane Concentration (mg/L)
Benzene Concentration (mg/L)
Date
0
1
2
3
4
5
6
7
8
9
10
0
0.05
0.1
0.15
0.2
0.25
9/23/04
11/23/04
1/23/05
3/23/05
5/23/05
7/23/05
9/23/05
11/23/05
1/23/06
3/23/06
5/23/06
7/23/06
9/23/06
11/23/06
1/23/07
3/23/07
5/23/07
7/23/07
9/23/07
11/23/07
1/23/08
3/23/08
5/23/08
7/23/08
9/23/08
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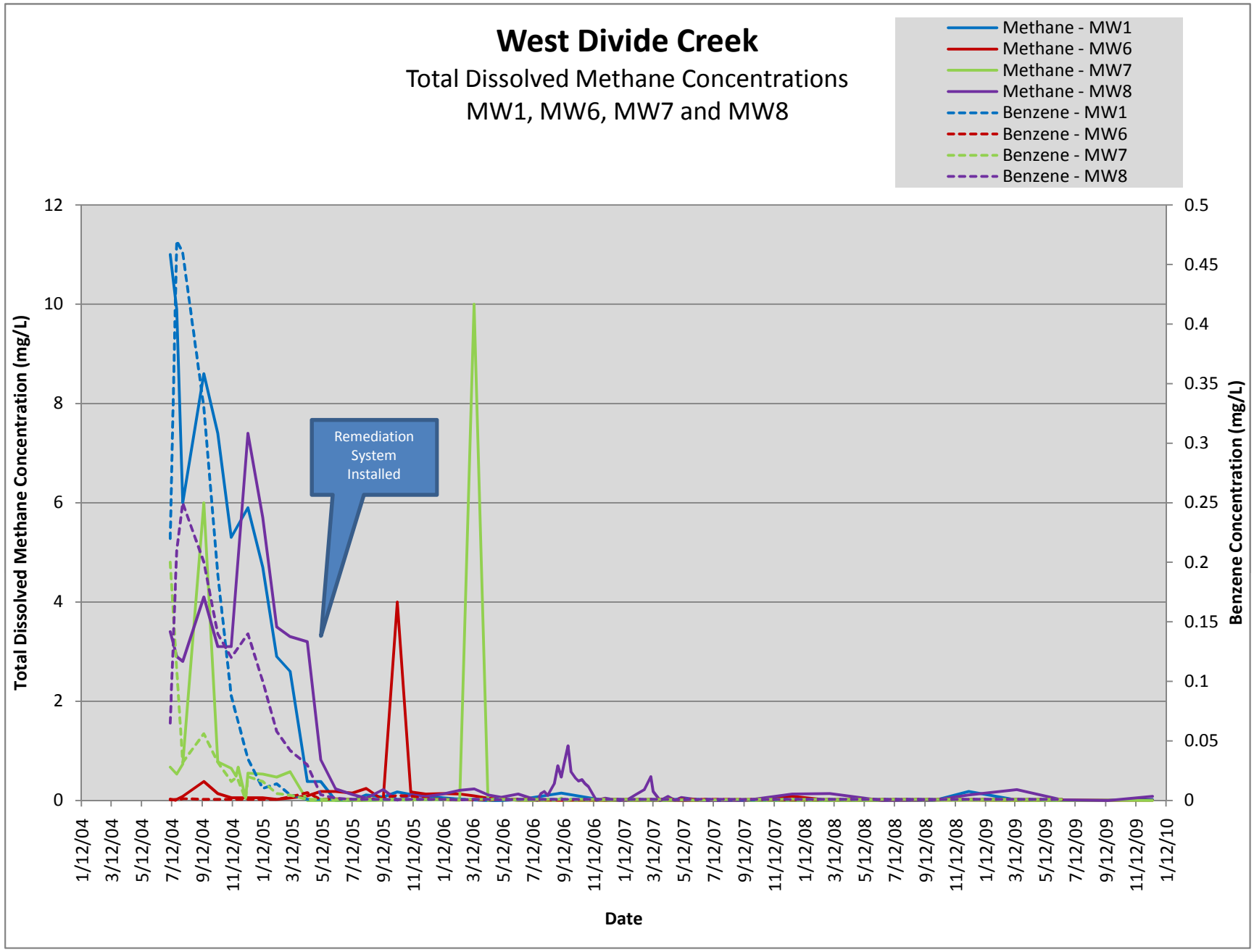
7/23/09
9/23/09
11/23/09
1/23/10


West Divide Creek
Total Dissolved Methane Concentrations
MW1, MW6, MW7 and MW8
Methane - MW1
Methane - MW6
Methane - MW7
Methane - MW8
Benzene - MW1
Benzene - MW6
Benzene - MW7
Benzene - MW8
Remediation System Installed
Total Dissolved Methane Concentration (mg/L)
Benzene Concentration (mg/L)
Date
0
2
4
6
8
10
12
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
1/12/04
3/12/04
5/12/04
7/12/04
9/12/04
11/12/04
1/12/05
3/12/05
5/12/05
7/12/05
9/12/05
11/12/05
1/12/06
3/12/06
5/12/06
7/12/06
9/12/06
11/12/06
1/12/07
3/12/07
5/12/07
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
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3/12/09
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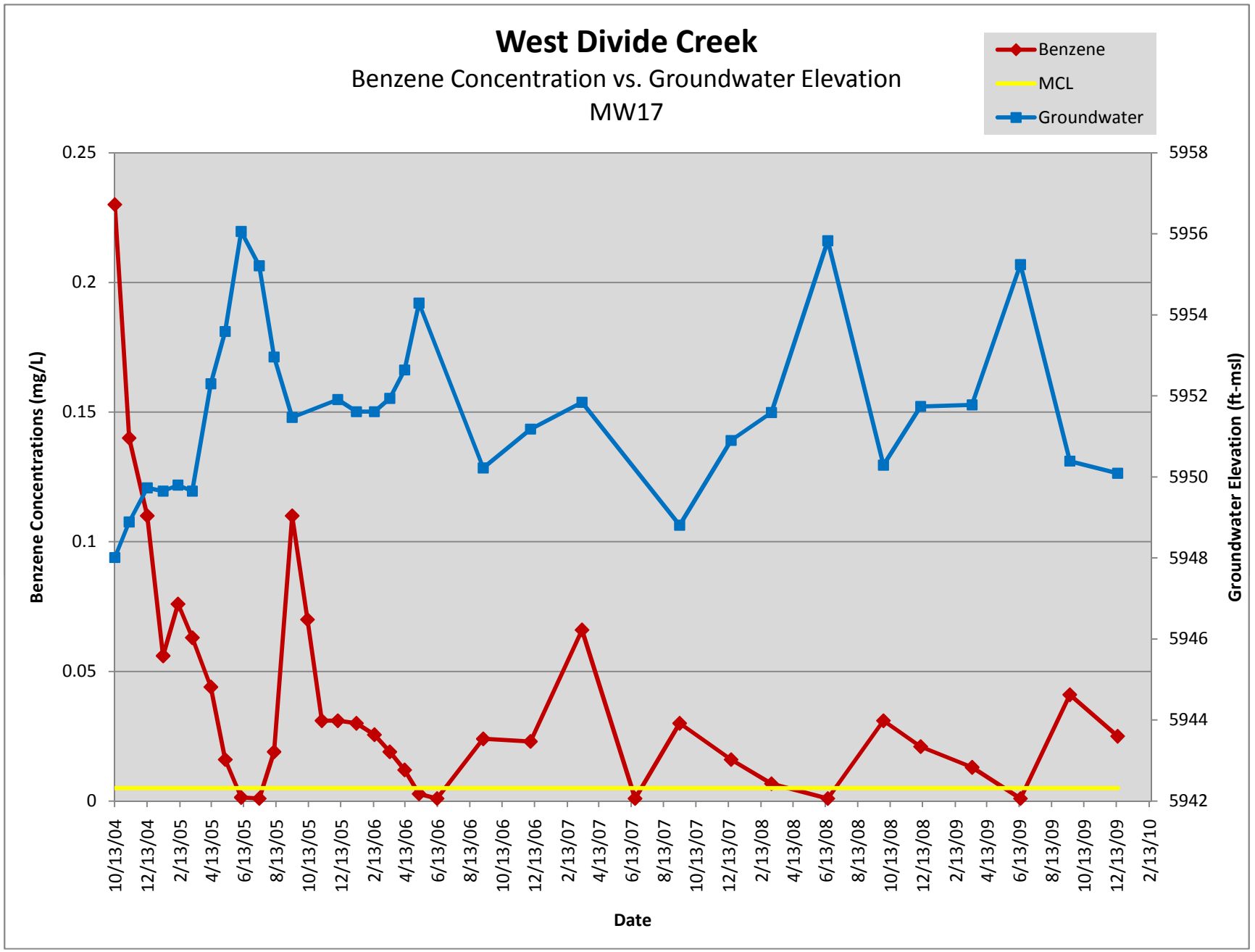
7/12/09
9/12/09
11/12/09
1/12/10


West Divide Creek
Benzene Concentration vs. Groundwater Elevation
MW17
Benzene
MCL
Groundwater
Benzene Concentrations (mg/L)
Groundwater Elevation (ft-msl)
Date
0.25
0.2
0.15
0.1
0.05
0
5958
5956
5954
5952
5950
5948
5946
5944
5942
10/13/04
12/13/04
2/13/05
4/13/05
6/13/05
8/13/05
10/13/05
12/13/05
2/13/06
4/13/06
6/13/06
8/13/06
10/13/06
12/13/06
2/13/07
4/13/07
6/13/07
8/13/07
10/13/07
12/13/07
2/13/08
4/13/08
6/13/08
8/13/08
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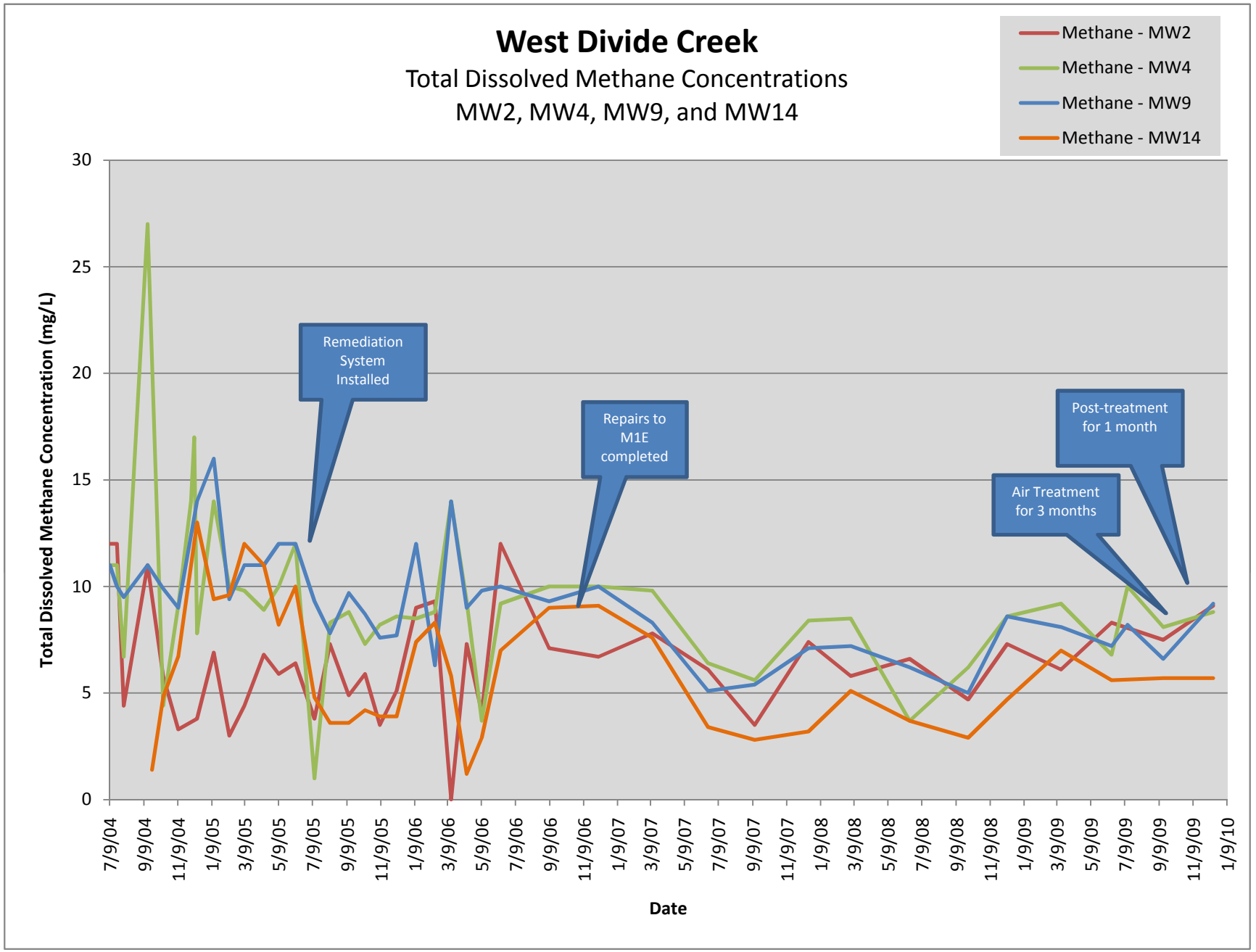
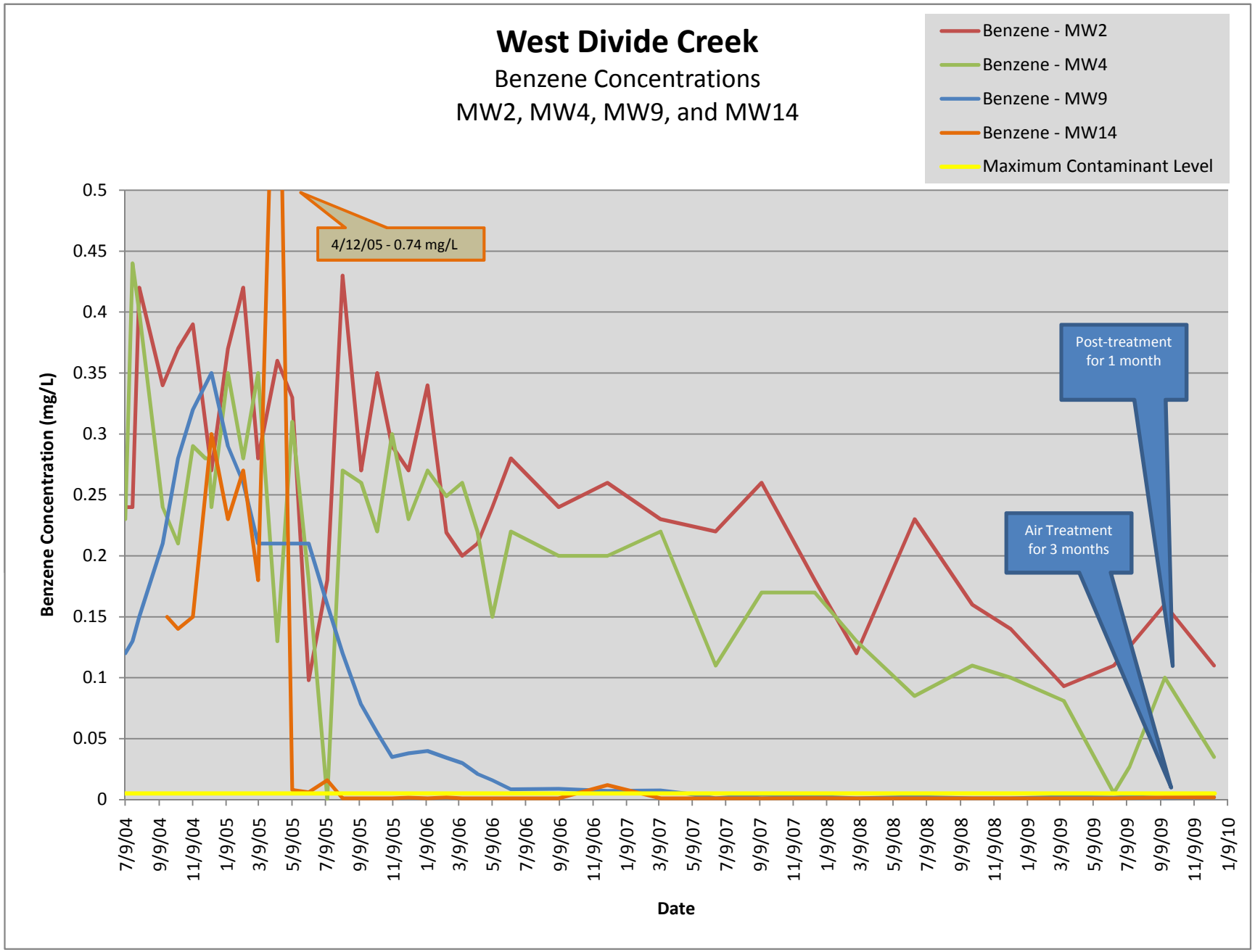
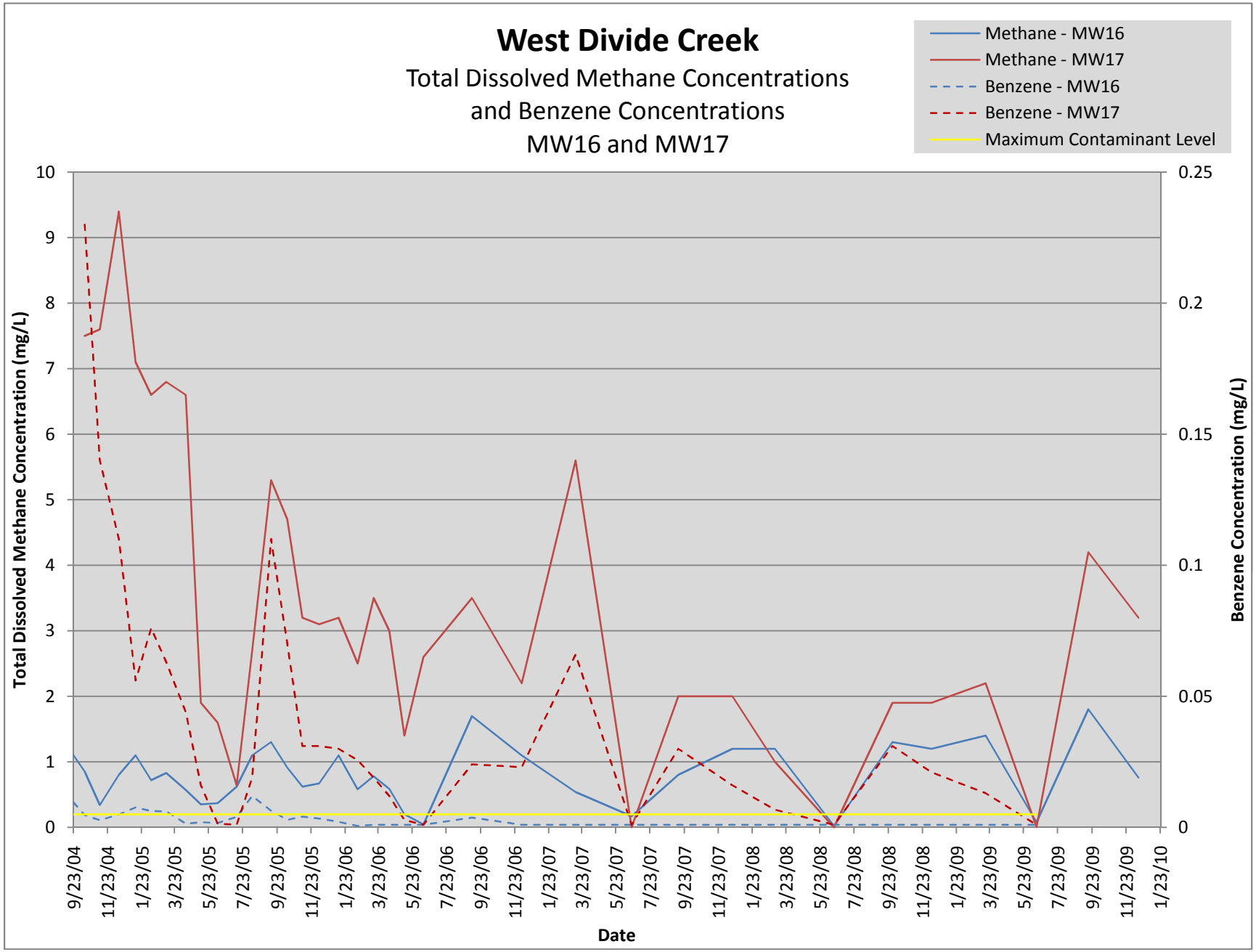
8/13/09
10/13/09
12/13/09
2/13/10


West Divide Creek
Total Dissolved Methane Concentrations
MW2, MW4, MW9, and MW14
Methane - MW2
Methane - MW4
Methane - MW9
Methane - MW14
Total Dissolved Methane Concentration (mg/L)
30
25
20
15
10
5
0
Remediation System Installed
Repairs to M1E completed
Air Treatment for 3 months
Post-treatment for 1 month
7/9/04
9/9/04
11/9/04
1/9/05
3/9/05
5/9/05
7/9/05
9/9/05
11/9/05
1/9/06
3/9/06
5/9/06
7/9/06
9/9/06
11/9/06
1/9/07
3/9/07
5/9/07
7/9/07
9/9/07
11/9/07
1/9/08
3/9/08
5/9/08
7/9/08
9/9/08
11/9/08
1/9/09
3/9/09
5/9/09
7/9/09
9/9/09
11/9/09
1/9/10
Date


West Divide Creek
Benzene Concentrations
MW2, MW4, MW9, and MW14
Benzene - MW2
Benzene - MW4
Benzene - MW9
Benzene - MW14
Maximum Contaminant Level
4/12/05 - 0.74 mg/L
Post-treatment for 1 month
Air Treatment for 3 months
Benzene Concentration (mg/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7/9/04
9/9/04
11/9/04
1/9/05
3/9/05
5/9/05
7/9/05
9/9/05
11/9/05
1/9/06
3/9/06
5/9/06
7/9/06
9/9/06
11/9/06
1/9/07
3/9/07
5/9/07
7/9/07
9/9/07
11/9/07
1/9/08
3/9/08
5/9/08
7/9/08
9/9/08
11/9/08
1/9/09
3/9/09
5/9/09
7/9/09
9/9/09
11/9/09
1/9/10
Date


West Divide Creek
Total Dissolved Methane Concentrations
and Benzene Concentrations
MW16 and MW17
Methane - MW16
Methane - MW17
Benzene - MW16
Benzene - MW17
Maximum Contaminant Level
Total Dissolved Methane Concentration (mg/L)
Benzene Concentration (mg/L)
Date
0
1
2
3
4
5
6
7
8
9
10
0
0.05
0.1
0.15
0.2
0.25
9/23/04
11/23/04
1/23/05
3/23/05
5/23/05
7/23/05
9/23/05
11/23/05
1/23/06
3/23/06
5/23/06
7/23/06
9/23/06
11/23/06
1/23/07
3/23/07
5/23/07
7/23/07
9/23/07
11/23/07
1/23/08
3/23/08
5/23/08
7/23/08
9/23/08
11/23/08
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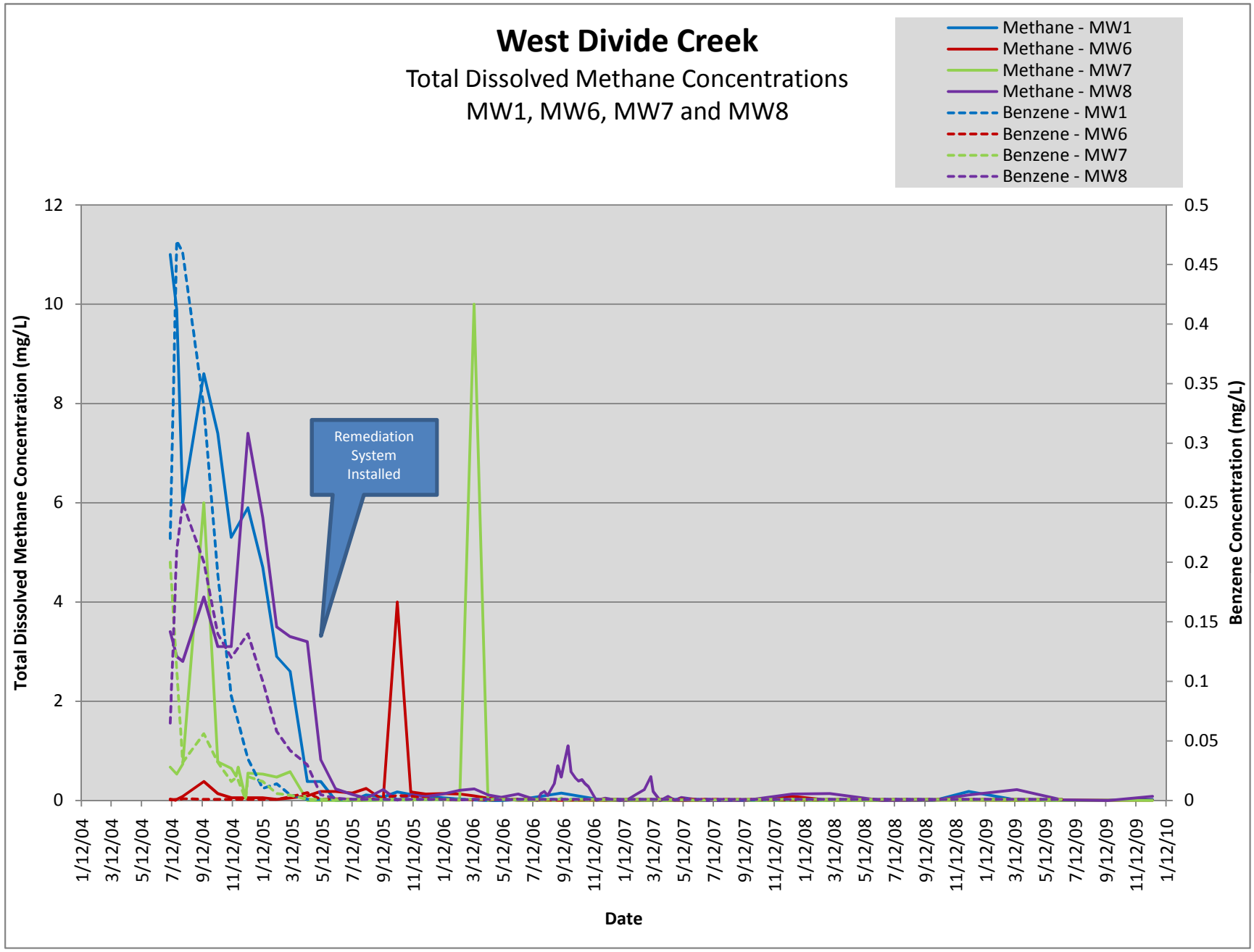
7/23/09
9/23/09
11/23/09
1/23/10


West Divide Creek
Total Dissolved Methane Concentrations
MW1, MW6, MW7 and MW8
Methane - MW1
Methane - MW6
Methane - MW7
Methane - MW8
Benzene - MW1
Benzene - MW6
Benzene - MW7
Benzene - MW8
Remediation System Installed
Total Dissolved Methane Concentration (mg/L)
Benzene Concentration (mg/L)
Date
0
2
4
6
8
10
12
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
1/12/04
3/12/04
5/12/04
7/12/04
9/12/04
11/12/04
1/12/05
3/12/05
5/12/05
7/12/05
9/12/05
11/12/05
1/12/06
3/12/06
5/12/06
7/12/06
9/12/06
11/12/06
1/12/07
3/12/07
5/12/07
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
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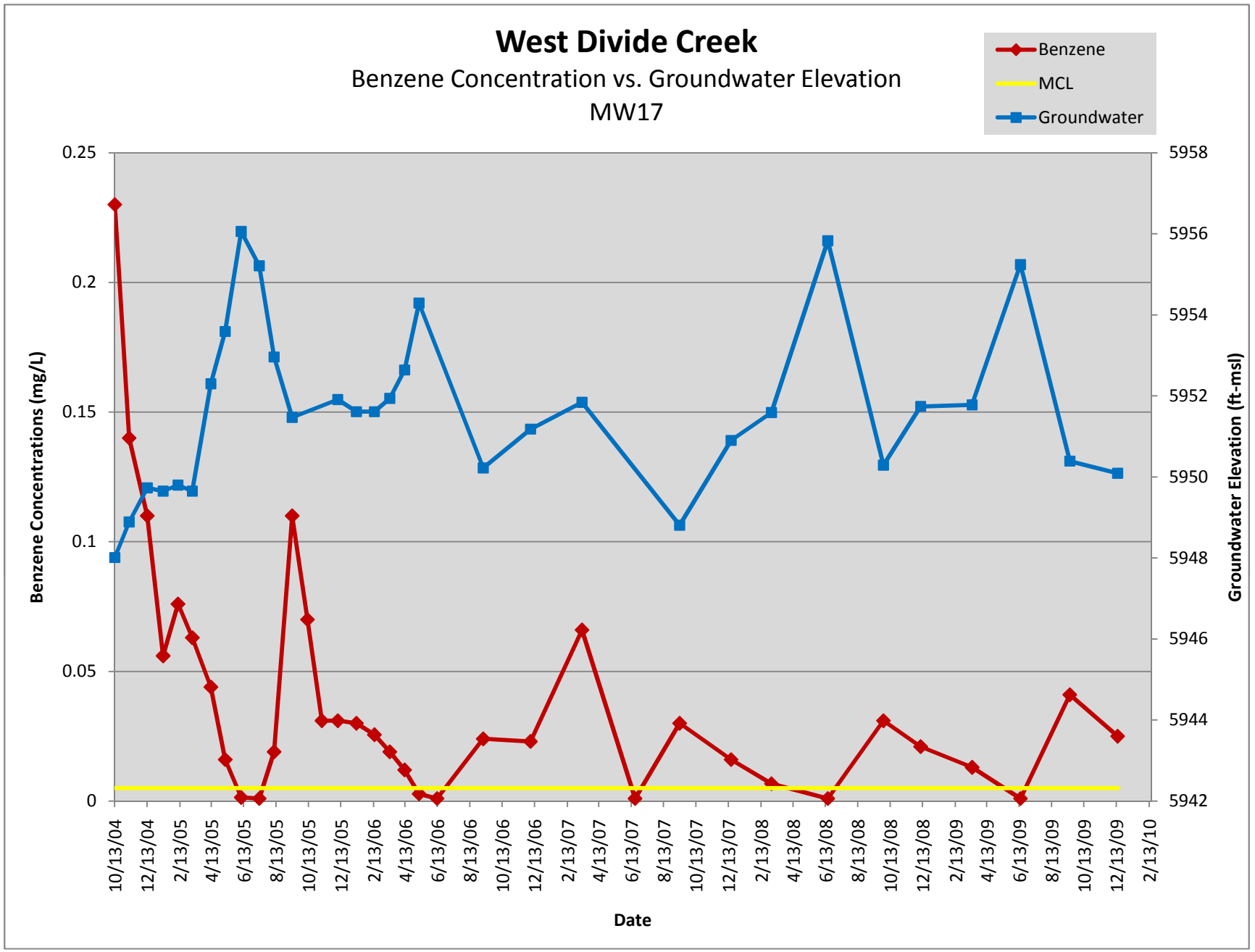
7/12/09
9/12/09
11/12/09
1/12/10


West Divide Creek
Benzene Concentration vs. Groundwater Elevation
MW17
Benzene
MCL
Groundwater
Benzene Concentrations (mg/L)
Groundwater Elevation (ft-msl)
Date
0.25
0.2
0.15
0.1
0.05
0
5958
5956
5954
5952
5950
5948
5946
5944
5942
10/13/04
12/13/04
2/13/05
4/13/05
6/13/05
8/13/05
10/13/05
12/13/05
2/13/06
4/13/06
6/13/06
8/13/06
10/13/06
12/13/06
2/13/07
4/13/07
6/13/07
8/13/07
10/13/07
12/13/07
2/13/08
4/13/08
6/13/08
8/13/08
10/13/08
12/13/08
2/13/09
4/13/09
6/13/09
8/13/09
10/13/09
12/13/09
2/13/10

APPENDIX G

Lab Reports

Accutest Labs: report included as .pdf file on CD in back
Isotech Labs: report included as .pdf file on CD in back

001

WORK ORDER Summary Evergreen Analytical, Inc. 09-9771

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 237-2072

Email To: bstephenson@oaconsulting.com

12/16/2009 2:47:53 PM

Client Project ID: 008-2067

QC Level: LEVEL I

Comments

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-9771-01A	MW1	Water	12/15/09 0955	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-01B	MW1	Water	12/15/09 0955	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-01C	MW1	Water	12/15/09 0955	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-01D	MW1	Water	12/15/09 0955	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-02A	MW20	Water	12/15/09 1000	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-02B	MW20	Water	12/15/09 1000	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-02C	MW20	Water	12/15/09 1000	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-02D	MW20	Water	12/15/09 1000	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-03A	MW21	Water	12/15/09 1015	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-03B	MW21	Water	12/15/09 1015	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-03C	MW21	Water	12/15/09 1015	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-03D	MW21	Water	12/15/09 1015	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-04A	MW17	Water	12/15/09 1020	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-04B	MW17	Water	12/15/09 1020	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-04C	MW17	Water	12/15/09 1020	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-04D	MW17	Water	12/15/09 1020	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-05A	MW18	Water	12/15/09 1040	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-05B	MW18	Water	12/15/09 1040	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-05C	MW18	Water	12/15/09 1040	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-05D	MW18	Water	12/15/09 1040	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-06A	MW16	Water	12/15/09 1045	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-9771

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 237-2072

Email To: bstephenson@oaconsulting.com

12/16/2009 2:47:53 PM

Client Project ID: 008-2067

QC Level: LEVEL I

09-9771-06B	MW16	Water	12/15/09 1045	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-06C	MW16	Water	12/15/09 1045	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-06D	MW16	Water	12/15/09 1045	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-07A	MW22	Water	12/15/09 1100	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-07B	MW22	Water	12/15/09 1100	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-07C	MW22	Water	12/15/09 1100	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-07D	MW22	Water	12/15/09 1100	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-08A	MW7	Water	12/15/09 1125	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-08B	MW7	Water	12/15/09 1125	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-08C	MW7	Water	12/15/09 1125	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-08D	MW7	Water	12/15/09 1125	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-09A	MW8	Water	12/15/09 1200	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-09B	MW8	Water	12/15/09 1200	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-09C	MW8	Water	12/15/09 1200	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-09D	MW8	Water	12/15/09 1200	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-10A	MW14	Water	12/15/09 1200	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-10B	MW14	Water	12/15/09 1200	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-10C	MW14	Water	12/15/09 1200	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-10D	MW14	Water	12/15/09 1200	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-11A	MW9	Water	12/15/09 1215	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-11B	MW9	Water	12/15/09 1215	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-11C	MW9	Water	12/15/09 1215	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-11D	MW9	Water	12/15/09 1215	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-9771

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 237-2072

Email To: bstephenson@oaconsulting.com

12/16/2009 2:47:53 PM

Client Project ID: 008-2067

QC Level: LEVEL I

09-9771-12A	MW2	Water	12/15/09 1220	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-12B	MW2	Water	12/15/09 1220	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-12C	MW2	Water	12/15/09 1220	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-12D	MW2	Water	12/15/09 1220	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-13A	MW12	Water	12/15/09 1240	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-13B	MW12	Water	12/15/09 1240	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-13C	MW12	Water	12/15/09 1240	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-13D	MW12	Water	12/15/09 1240	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-14A	MW6	Water	12/15/09 1300	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-14B	MW6	Water	12/15/09 1300	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-14C	MW6	Water	12/15/09 1300	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-14D	MW6	Water	12/15/09 1300	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-15A	MW11	Water	12/15/09 1305	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-15B	MW11	Water	12/15/09 1305	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-15C	MW11	Water	12/15/09 1305	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-15D	MW11	Water	12/15/09 1305	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-16A	MW4	Water	12/15/09 1325	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-16B	MW4	Water	12/15/09 1325	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-16C	MW4	Water	12/15/09 1325	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09
09-9771-16D	MW4	Water	12/15/09 1325	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10
09-9771-17A	MW16D	Water	12/15/09 1045	12/16/09	8021_W *	8021: BTEX	☐	☐	12/21/09	12/22/09
09-9771-17B	MW16D	Water	12/15/09 1045	12/16/09	MEEP_W *	RSK175M: Methane	☐	☐	12/31/09	12/22/09
09-9771-17C	MW16D	Water	12/15/09 1045	12/16/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	12/31/09	12/17/09

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-9771

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 237-2072

Email To: bstephenson@oaconsulting.com

12/16/2009 2:47:53 PM

Client Project ID: 008-2067

QC Level: LEVEL I

09-9771-17D	MW16D	Water	12/15/09 1045	12/16/09	200.7_D *	200.7: Dissolved Metals	☐	☐	12/31/09	6/13/10

Definitions: * - Test Code has a Select List

005

CHAIN OF CUSTODY

ACCUTEST Laboratories
4036 Youngfield Street, Wheat Ridge, Colorado 80033
TEL. 303-425-6021; 877-737-4521 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job #

Client / Reporting Information

Company Name: Olsson Associates
Street Address: 826 21 1/2 Rd
City: GJ State: CO Zip: 81505
Project Contact: Brad Stephenson E-mail: bstephenson@olssonassociates.com
Phone #: 970-263-7800 Fax #:
Sampler(s) Name(s): Stuart Hall / Jess Vann Phone #:

Project Information

Project Name: Divide Creek Quarterly
Street:
City: State:
Project #: 008-2067 ~~008-3071~~
Client Purchase Order #:
Project Manager: Brad Stephenson

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank EB
Equipment Blank RB
Rinse Blank TB
Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	8021 BTEX	Dissolved Methane	Chloride	200.7 Dissolved Na	LAB USE ONLY
	MW1		12/15/09	955											X	X	X	X	01
	MW20			1000											X	X	X	X	02
	MW31			1015											X	X	X	X	03
	MW17			1030											X	X	X	X	04
	MW19			1040											X	X	X	X	05
	MW16			1045											X	X	X	X	06
	MW22			1100											X	X	X	X	07
	MW7			1125											X	X	X	X	08
	MW8			1200											X	X	X	X	09
	MW14			1200											X	X	X	X	10
	MW9			1215											X	X	X	X	11
	MW2			1220											X	X	X	X	12

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] UST Analysis 3-5 Days
- [ ] 6 - 9 Day *RUSH*
- [ ] 3 - 5 Day *RUSH*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Labtink

Data Deliverable Information

- [ ] Level 1 Results Only
- [ ] Level 2 Results, QC Summary, Case Narrative
- [ ] Level 3 Results, QC Summary, Case Narrative, Partial Raw Data
- [ ] Level 4 Full Deliverable
- [ ] PDF [ ] EDD Format
- [ ] Other

Comments / Special Instructions

WO# 09-9771 BO# 33135
C/SO) 1971 / VTS
C/S(I) 1971 / VTS
Temp 5.1 °C Ice Y / N
Seals: Y / N Samples Pres. Y / N / NA
Hd Sp: Y / N NA By MV

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Stuart Hall	12/15/09 @ 1700	1	2		2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time: 12/16/9 1030A	Received By: 5	Custody Seal #	Intact / Not intact	Preserved where applicable ☐ On Ice ☐ Cooler Temp.

006

CHAIN OF CUSTODY

ACCUTEST Laboratories
4036 Youngfield Street, Wheat Ridge, Colorado 80033
TEL. 303-425-6021; 877-737-4521 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job #

Client / Reporting Information

Company Name: Same as Page 1
Street Address:
City: State: Zip:
Project Contact: E-mail:
Phone #: Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name:
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank EB-
Equipment Blank RB-
Rinse Blank TB-
Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	8021 BTEX	Dissolved Methane	Chloride	200.7 Dissolved Na	LAB USE ONLY
	MW12		12/15/09	1240											X	X	X	X	13
	MW6			1300											X	X	X	X	14
	MW11			1305											X	X	X	X	15
	MW4			1375											X	X	X	X	16
	MW16D			1045											X	X	X	X	17

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] UST Analysis 3-5 Days
- [ ] 6 - 9 Day *RUSH*
- [ ] 3 - 5 Day *RUSH*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Level 1 Results Only
- [ ] Level 2 Results, QC Summary, Case Narrative
- [ ] Level 3 Results, QC Summary, Case Narrative, Partial Raw Data
- [ ] Level 4 Full Deliverable
- [ ] PDF [ ] EDD Format
- [ ] Other

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	[signature]	12/15/09 1700	1	2		2
3			3	4		4
5		12/16/9 10:30A	5 [signature]	Custody Seal #	Intact / Not intact	Preserved where applicable ☐ On Ice ☐ Cooler Temp.

Evergreen Analytical, Inc. **Date:** *30-Dec-09*

Lab Order: 09-9771
Client Project ID 008-2067

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.
The temperature of the sample(s) upon arrival was 5.1°C.
Sample(s) were received in good condition, in the proper container, and within holding times.
VOC sample(s) were received with no headspace present. NJO

QUALITY ASSURANCE (QA)

Analyses performed on samples in this work order by EAL meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. JE

CLIENT SERVICES

There are no anomalies to report. AE

GENERAL CHEMISTRY

There are no anomalies to report. MM

METALS ANALYSIS

There are no anomalies to report. SS

GAS CHROMATOGRAPHY

Method RSK175: There are no anomalies to report. AS

Method 8021_W: There are no anomalies to report. SD

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MW1
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-01A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3946.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	105	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/18/2009

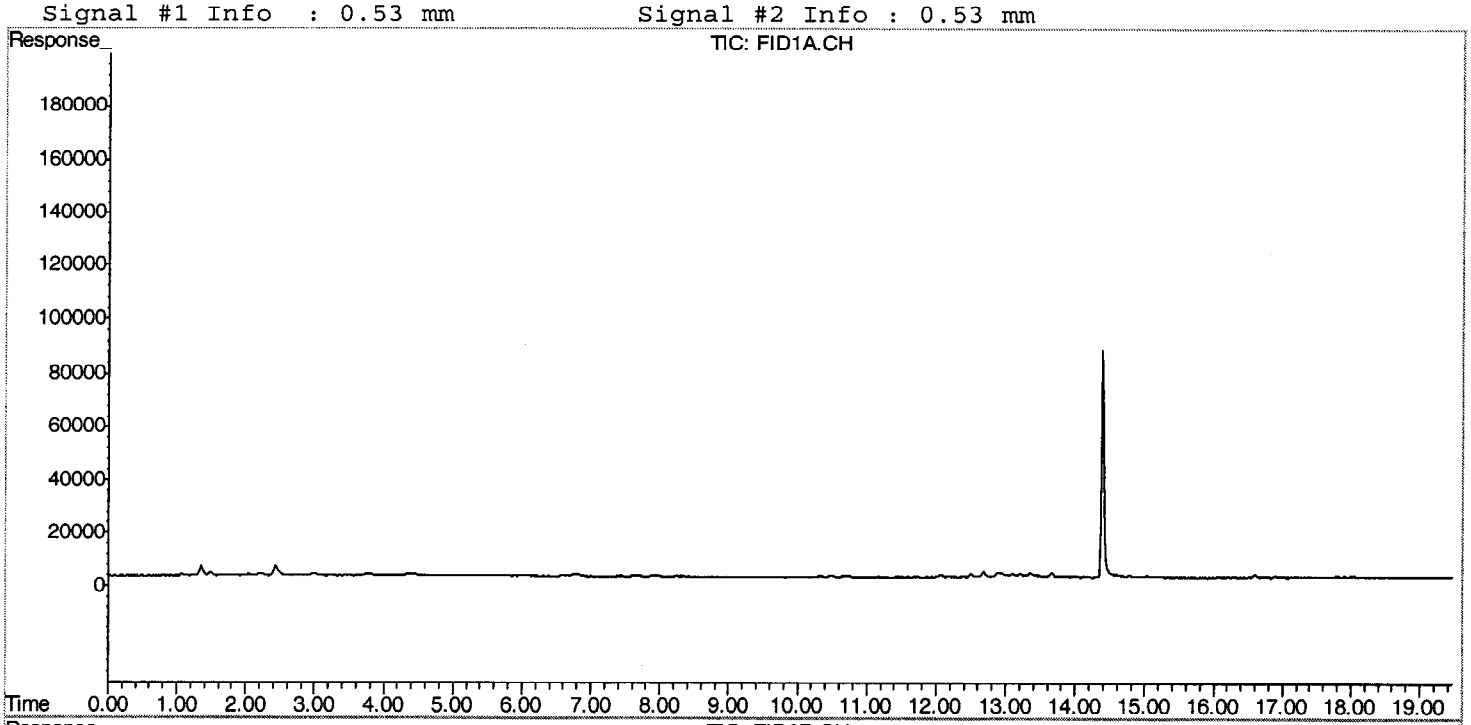
Quantitation Report (QT Reviewed)

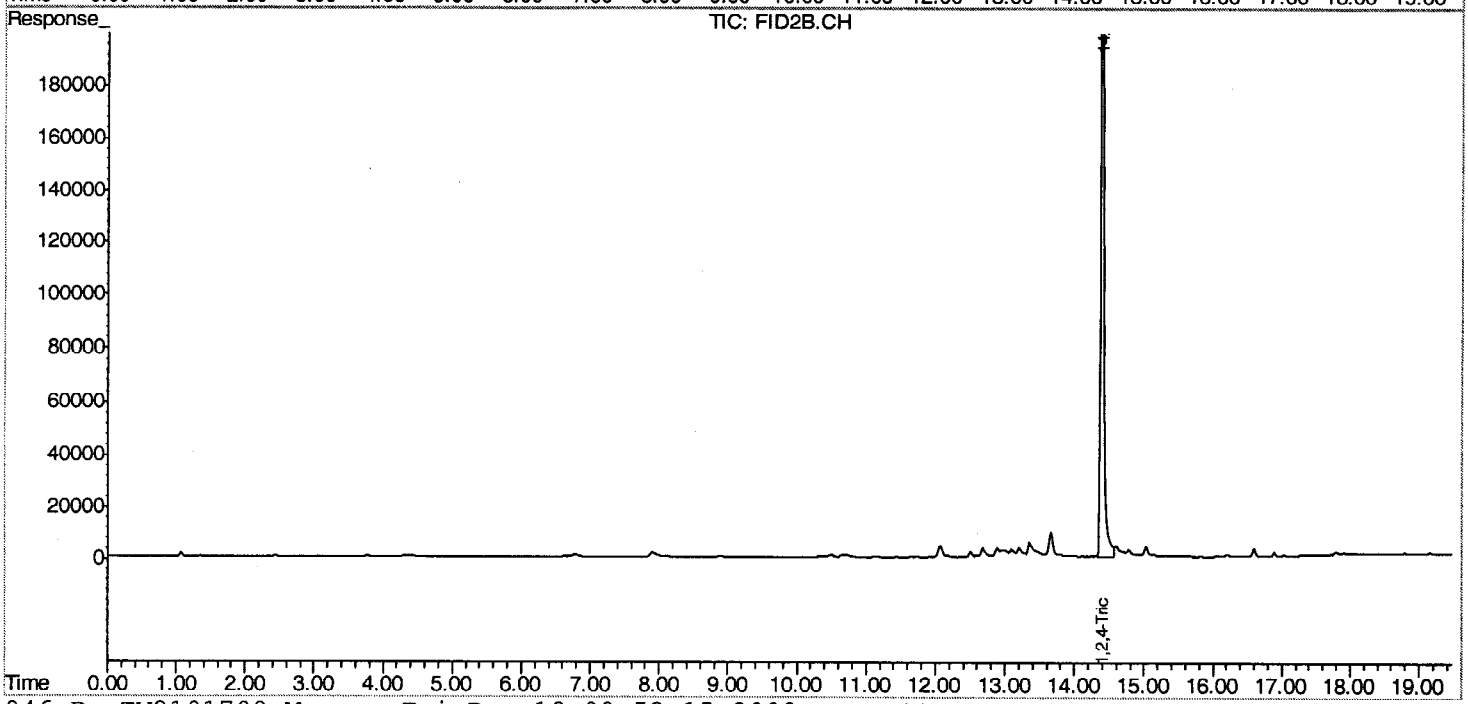
600

Signal #1 : Z:\121709\TA3946.D\FID1A.CH Vial: 18
Signal #2 : Z:\121709\TA3946.D\FID2B.CH
Acq On : 18 Dec 2009 2:56 am Operator: laurac
Sample : 09-9771-01A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:48 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MW20
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-02A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3947.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	103	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/18/2009

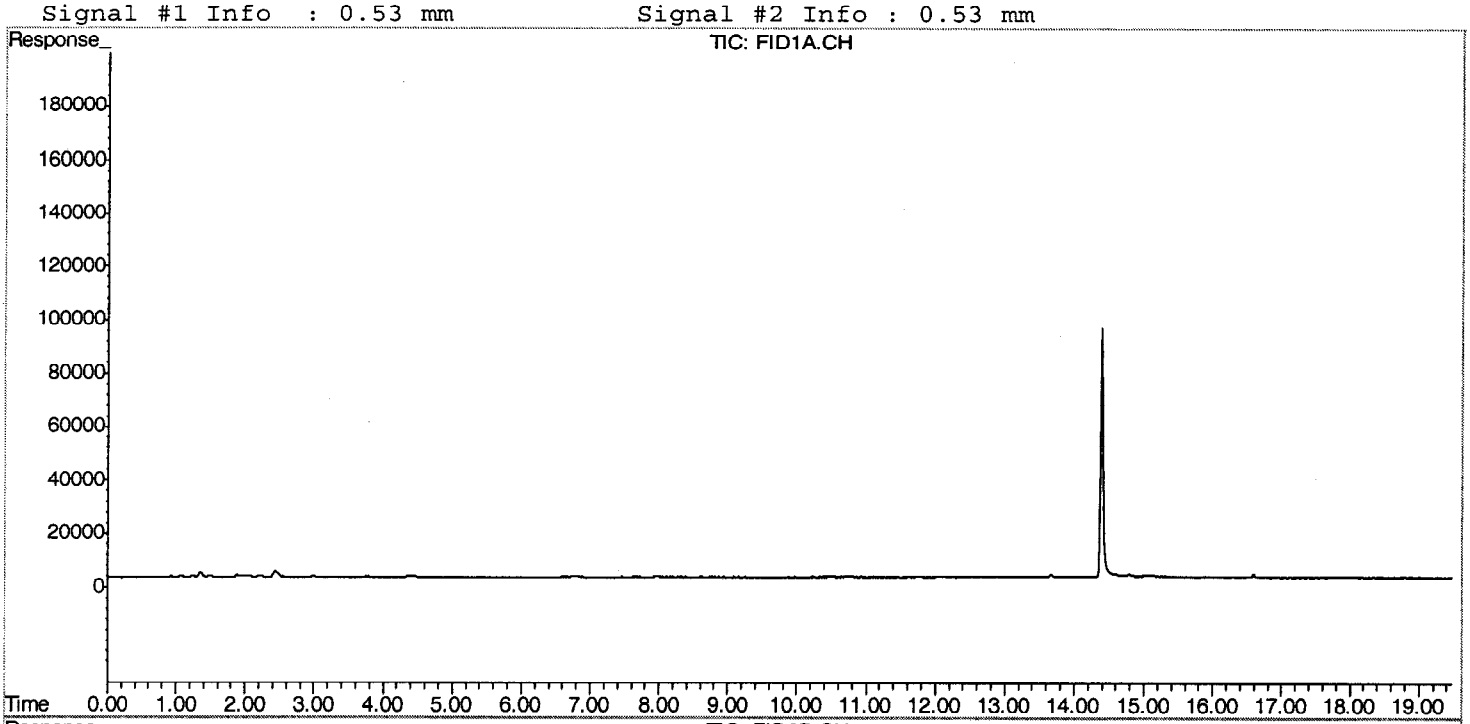
Quantitation Report (QT Reviewed)

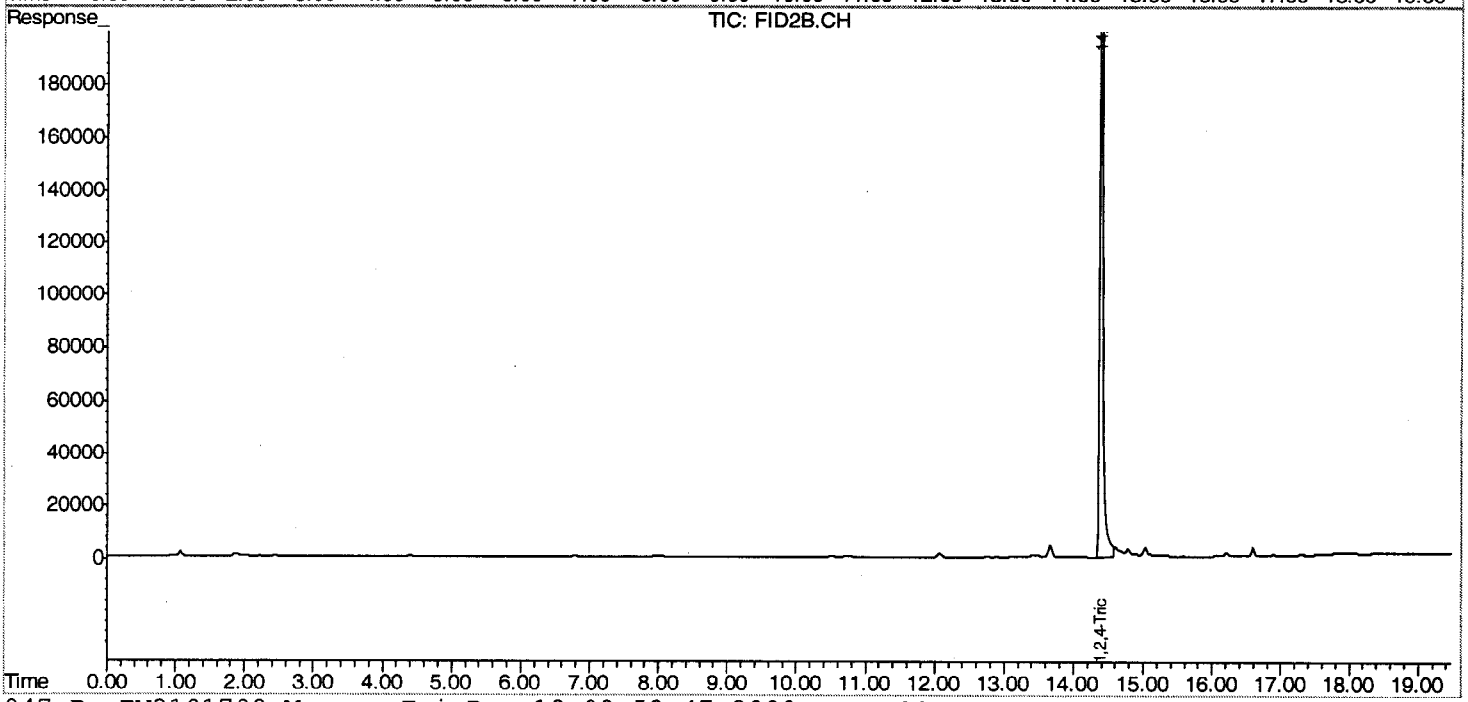
Data Path : Z:\121709\

Data File : TA3947.D
Signal #1 : Z:\121709\TA3947.D\FID1A.CH Vial: 19
Signal #2 : Z:\121709\TA3947.D\FID2B.CH
Acq On : 18 Dec 2009 3:31 am Operator: laurac
Sample : 09-9771-02A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:48 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID:	MW21	**Lab Work Order:**	09-9771
Client Project ID:	008-2067	**Lab Sample ID:**	09-9771-03A
Date Collected:	12/15/2009	**Sample Matrix:**	Water
Date Received:	12/16/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009 **Lab File ID:** TA3948.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/18/2009 **Method Blank:** MB2121709-2

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	107	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

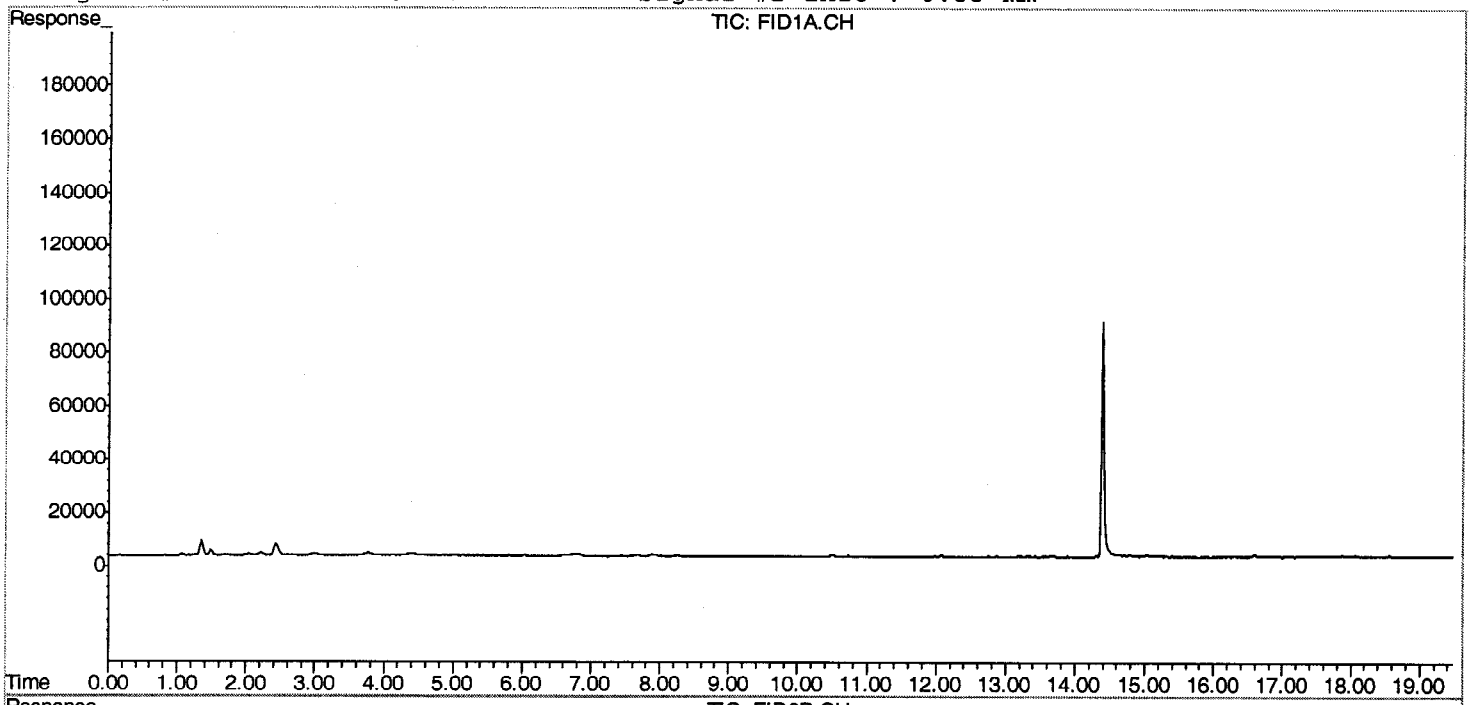
Print Date: 12/18/2009

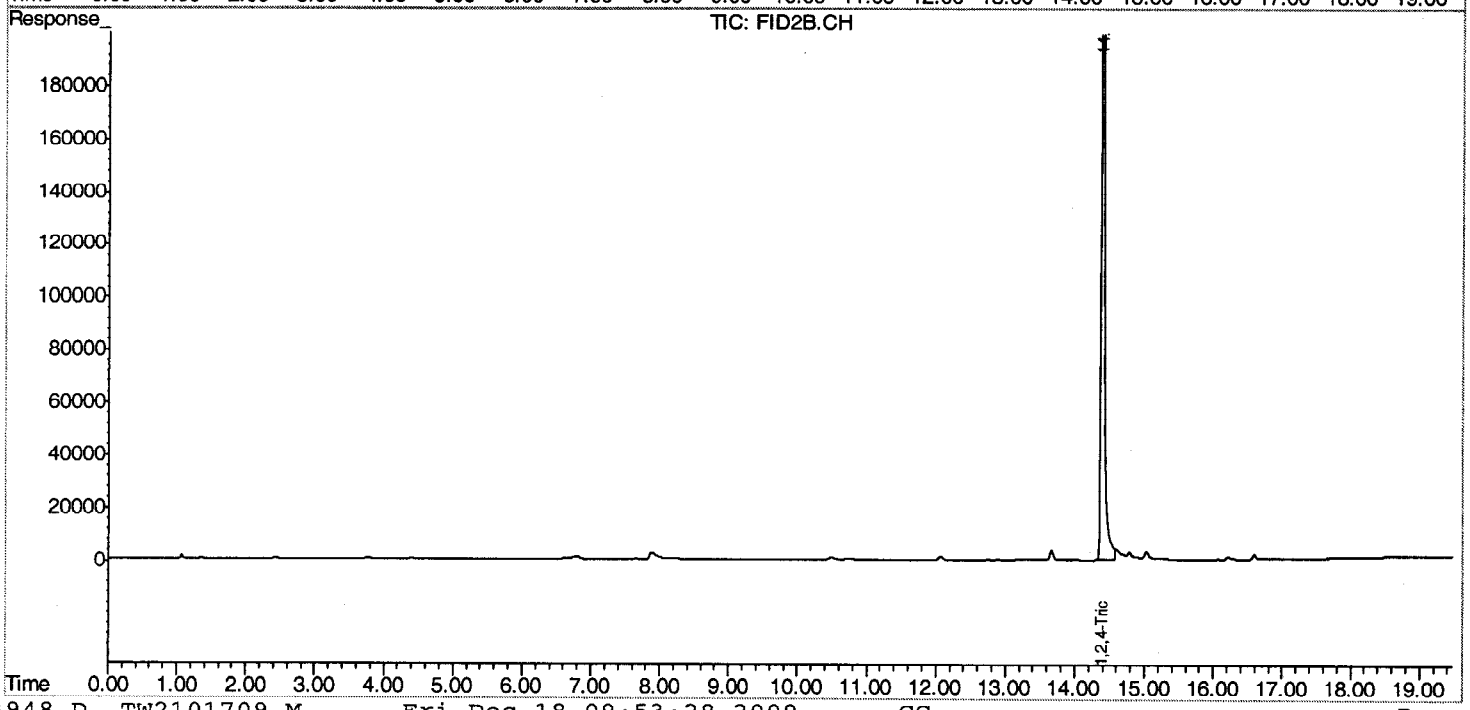
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3948.D\FID1A.CH Vial: 20
Signal #2 : Z:\121709\TA3948.D\FID2B.CH
Acq On : 18 Dec 2009 4:06 am Operator: laurac
Sample : 09-9771-03A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:49 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW17
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-04A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3949.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	25		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	102	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

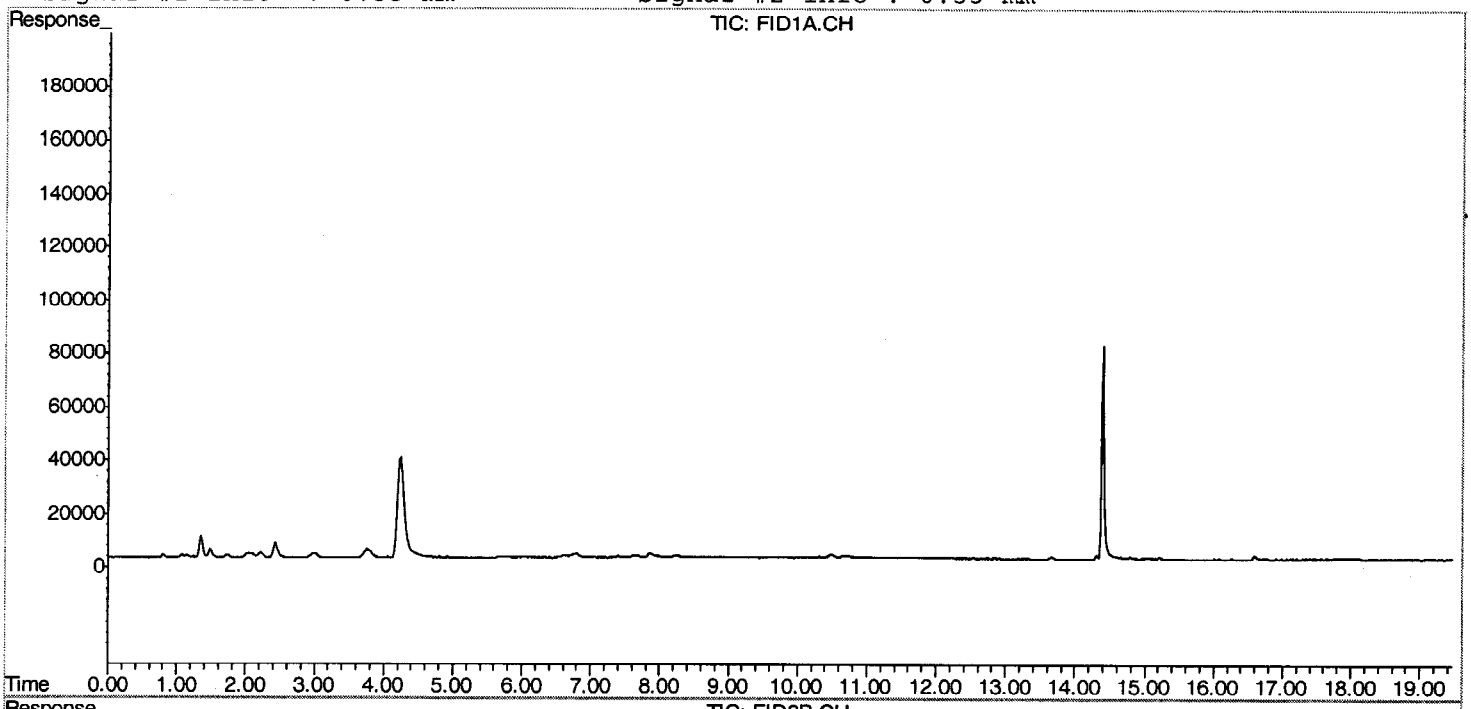
Print Date: 12/18/2009

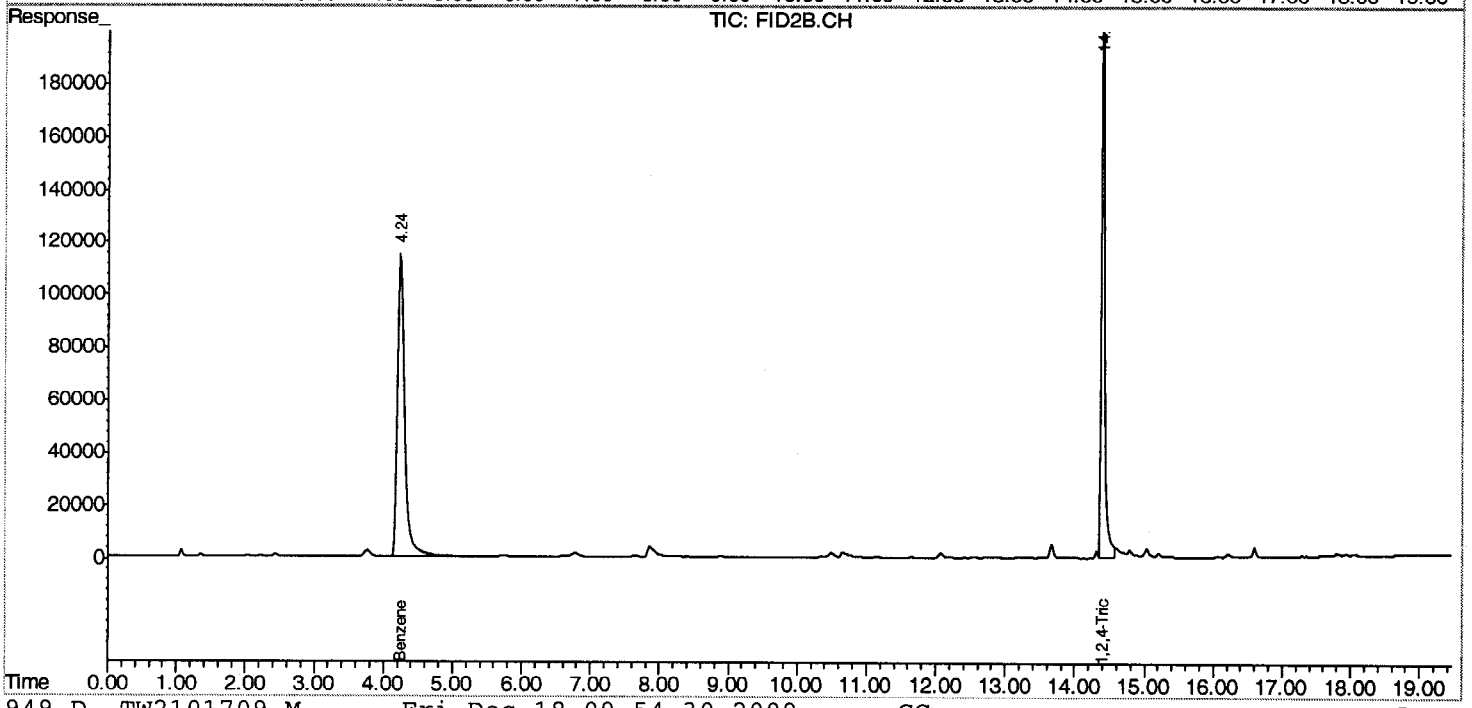
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3949.D\FID1A.CH Vial: 21
Signal #2 : Z:\121709\TA3949.D\FID2B.CH
Acq On : 18 Dec 2009 4:41 am Operator: laurac
Sample : 09-9771-04A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:50 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW18
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-05A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009 **Lab File ID:** TA3950.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/18/2009 **Method Blank:** MB2121709-2

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	105	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

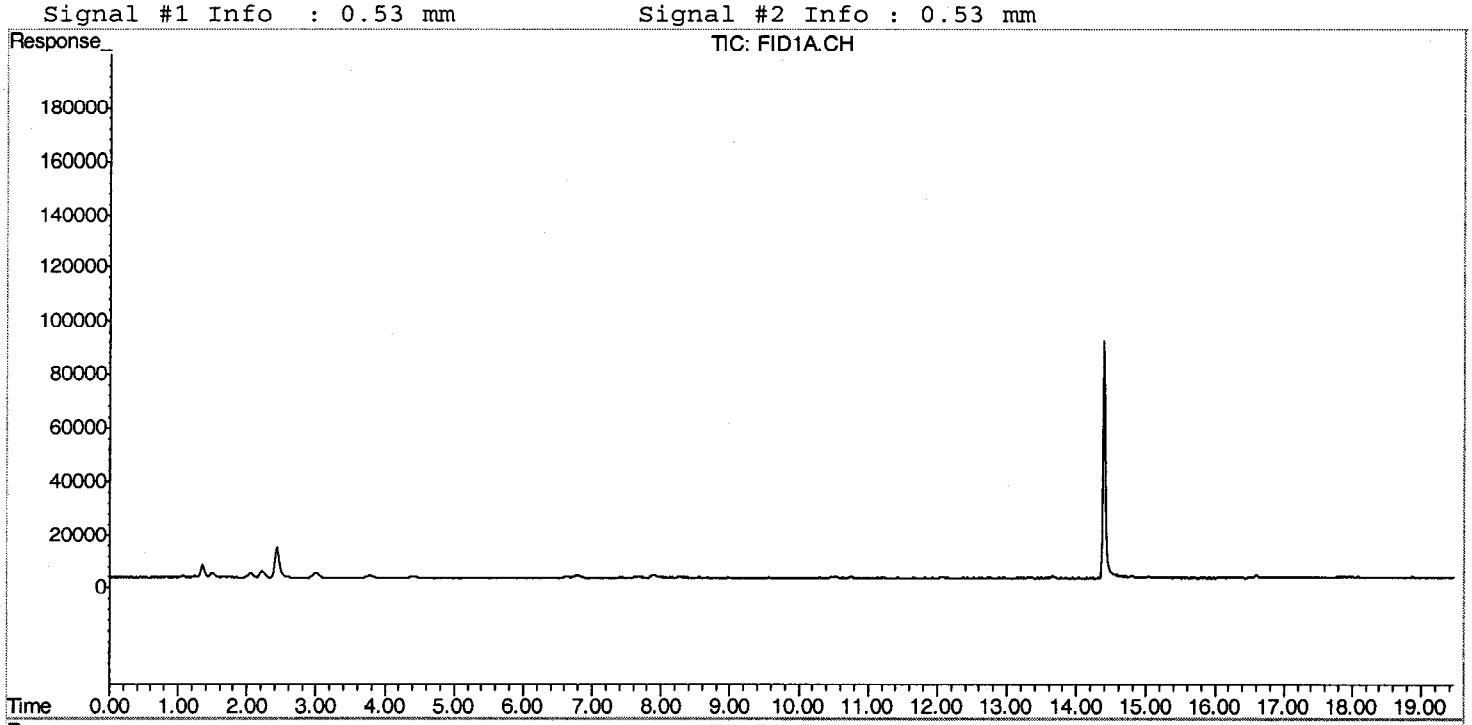
Print Date: 12/18/2009

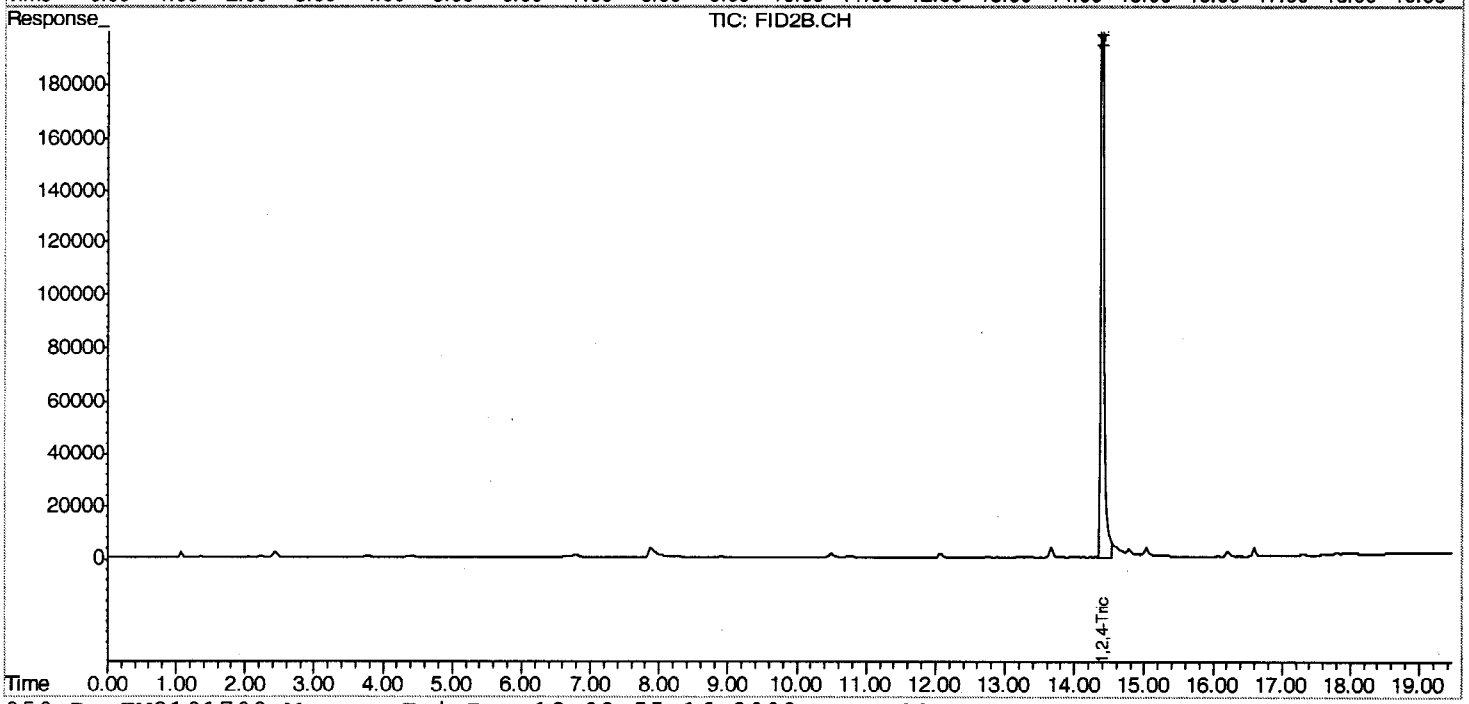
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3950.D\FID1A.CH Vial: 22
Signal #2 : Z:\121709\TA3950.D\FID2B.CH
Acq On : 18 Dec 2009 5:17 am Operator: laurac
Sample : 09-9771-05A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:51 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID:	MW16	**Lab Work Order:**	09-9771
Client Project ID:	008-2067	**Lab Sample ID:**	09-9771-06A
Date Collected:	12/15/2009	**Sample Matrix:**	Water
Date Received:	12/16/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009 **Lab File ID:** TA3952.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/18/2009 **Method Blank:** MB2121709-2

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	107	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

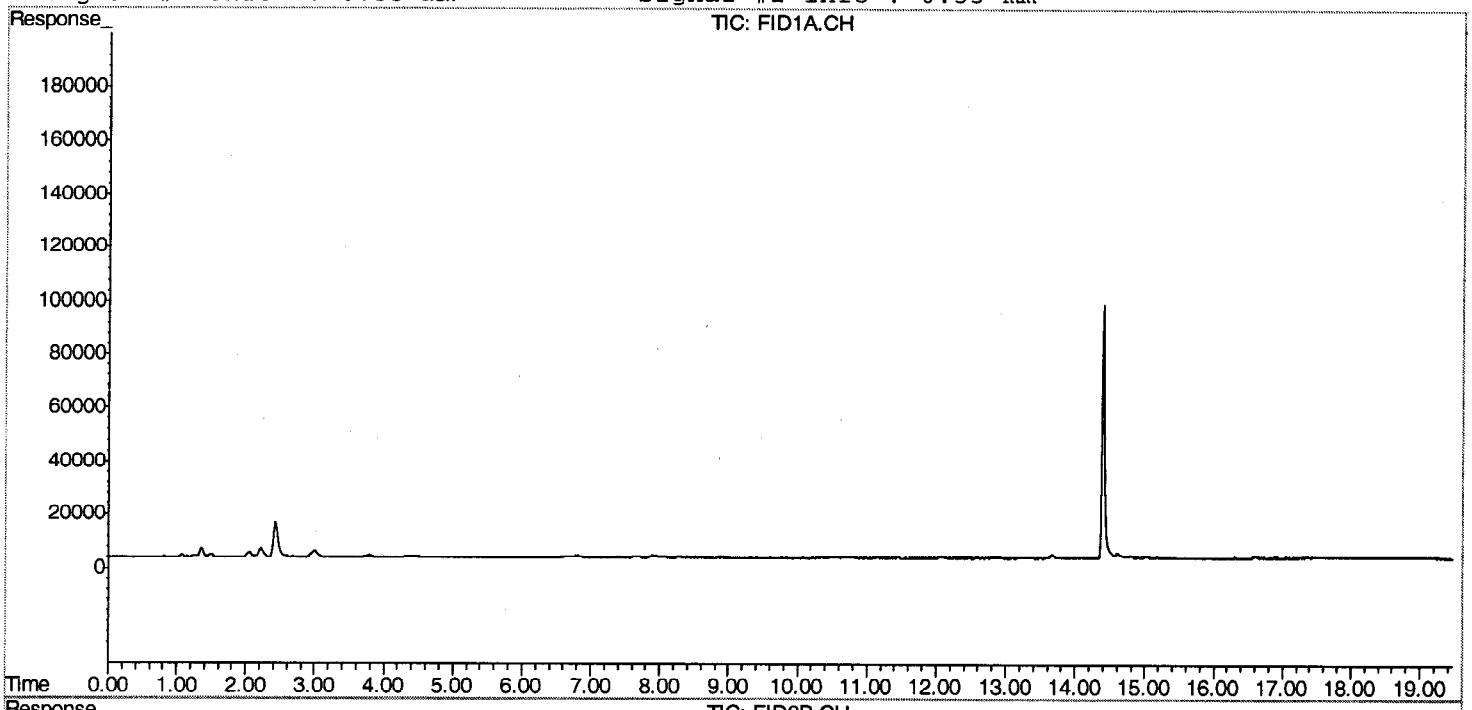
Print Date: 12/18/2009

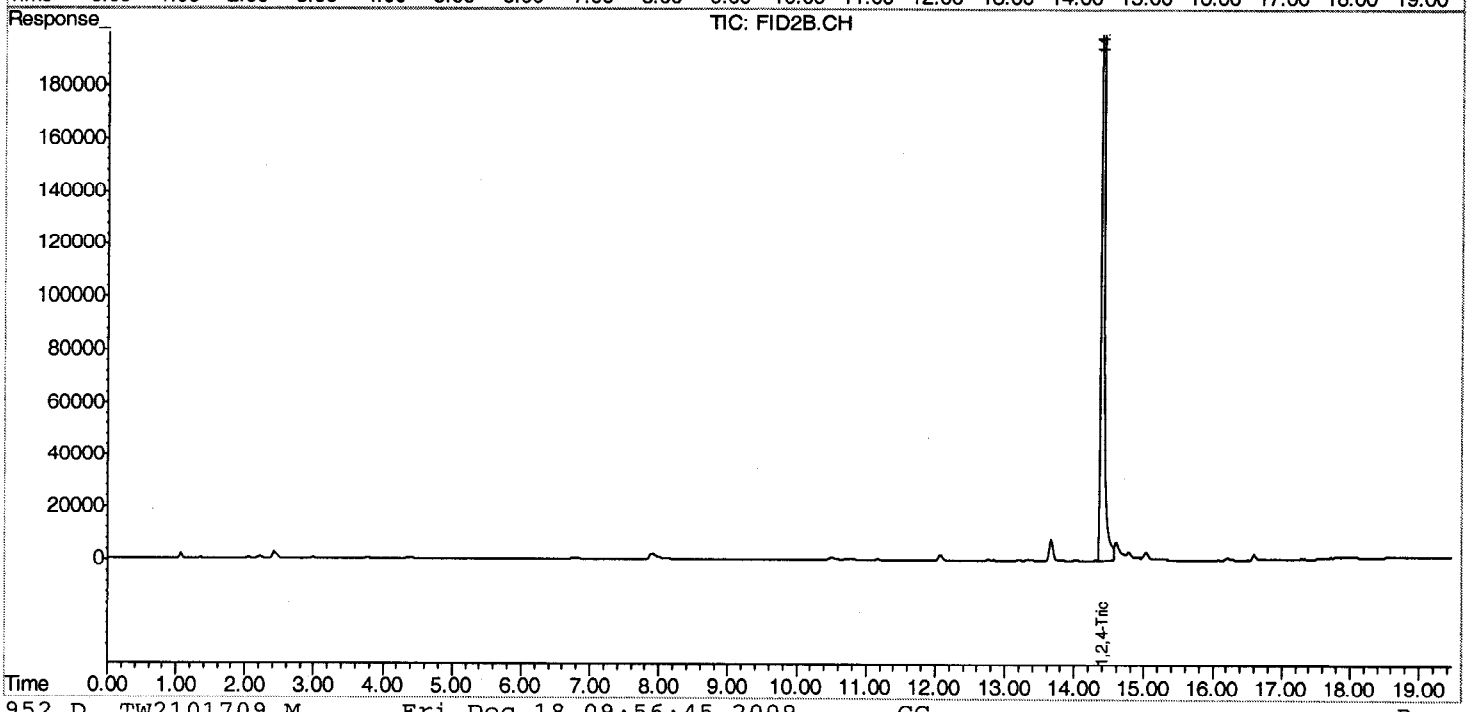
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3952.D\FID1A.CH Vial: 24
Signal #2 : Z:\121709\TA3952.D\FID2B.CH
Acq On : 18 Dec 2009 6:27 am Operator: laurac
Sample : 09-9771-06A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:52 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID:	MW22	**Lab Work Order:**	09-9771
Client Project ID:	008-2067	**Lab Sample ID:**	09-9771-07A
Date Collected:	12/15/2009	**Sample Matrix:**	Water
Date Received:	12/16/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009 **Lab File ID:** TA3953.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/18/2009 **Method Blank:** MB2121709-2

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	106	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/18/2009

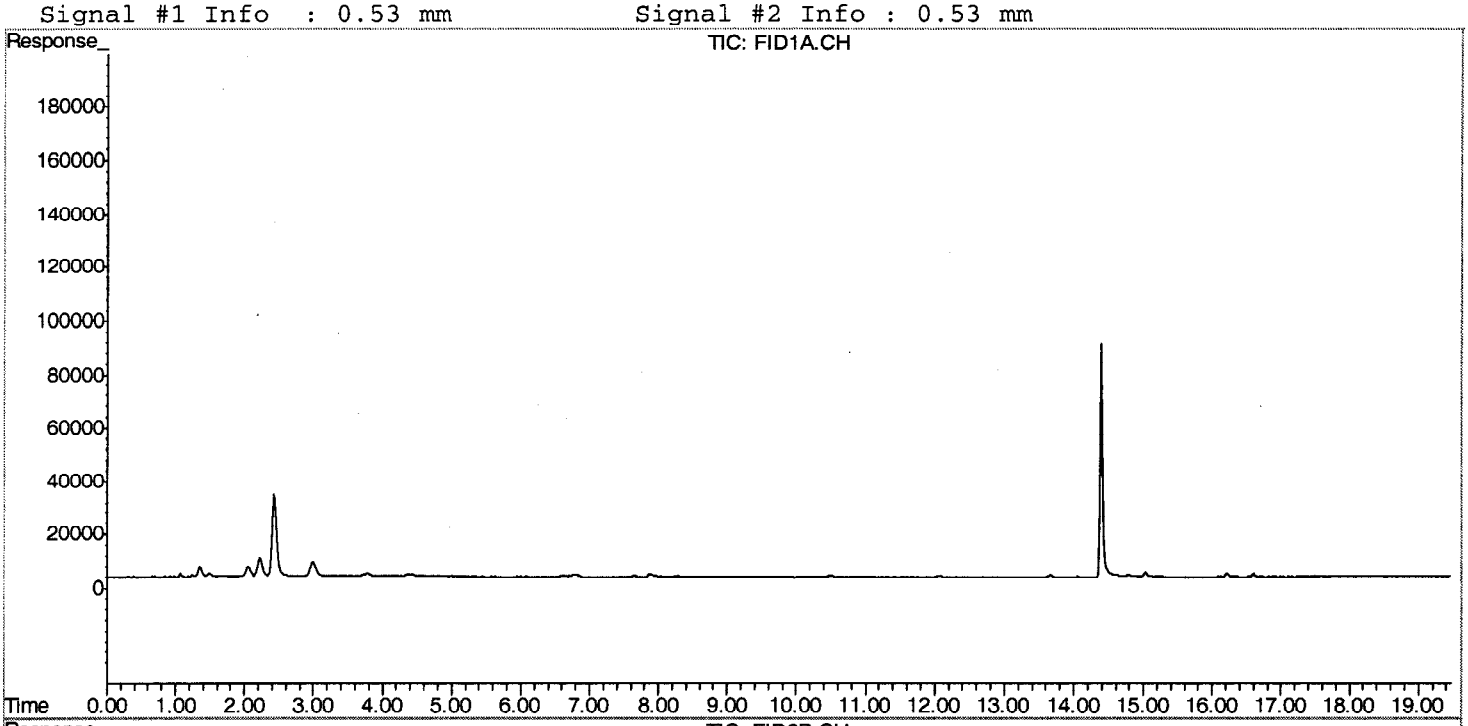
Quantitation Report (QT Reviewed)

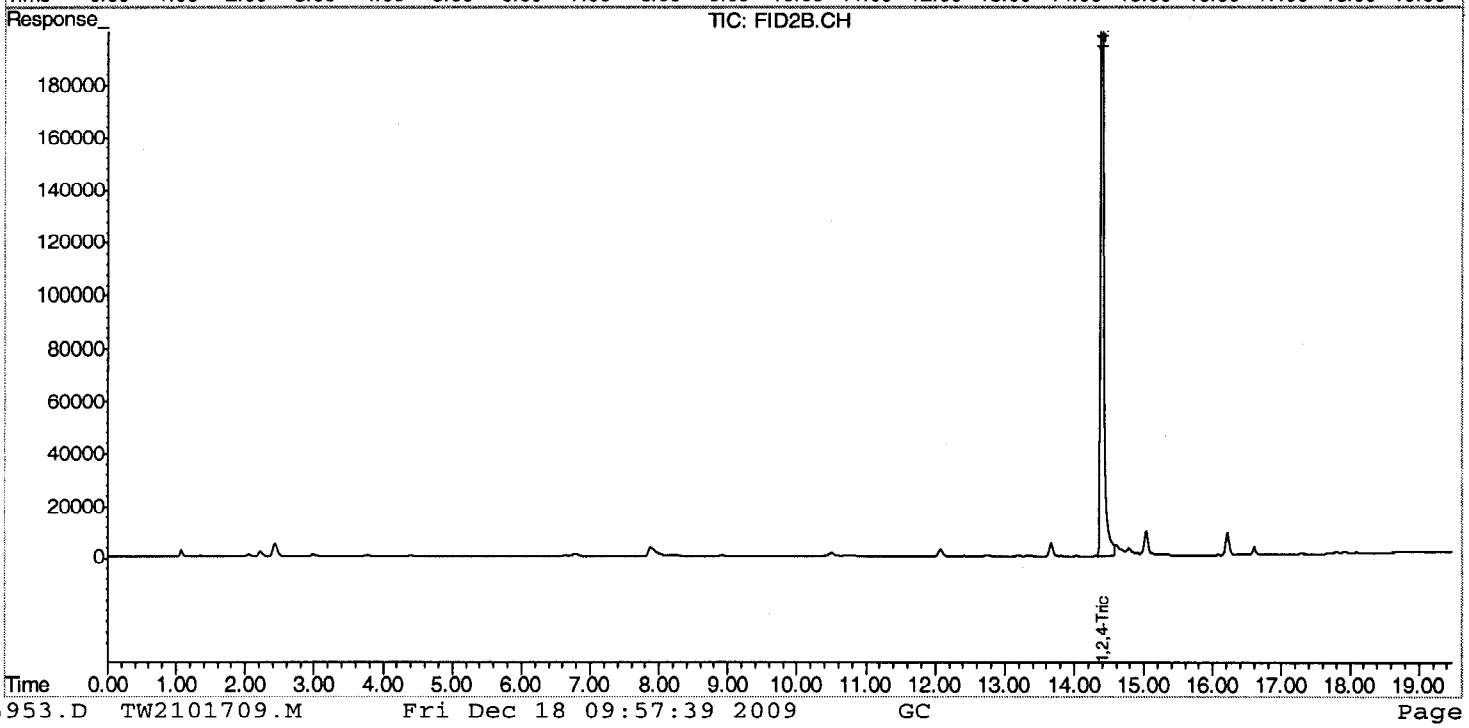
021

Signal #1 : Z:\121709\TA3953.D\FID1A.CH Vial: 25
Signal #2 : Z:\121709\TA3953.D\FID2B.CH
Acq On : 18 Dec 2009 7:02 am Operator: laurac
Sample : 09-9771-07A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:53 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW7
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-08A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3954.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	104	**QC Limits:**	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

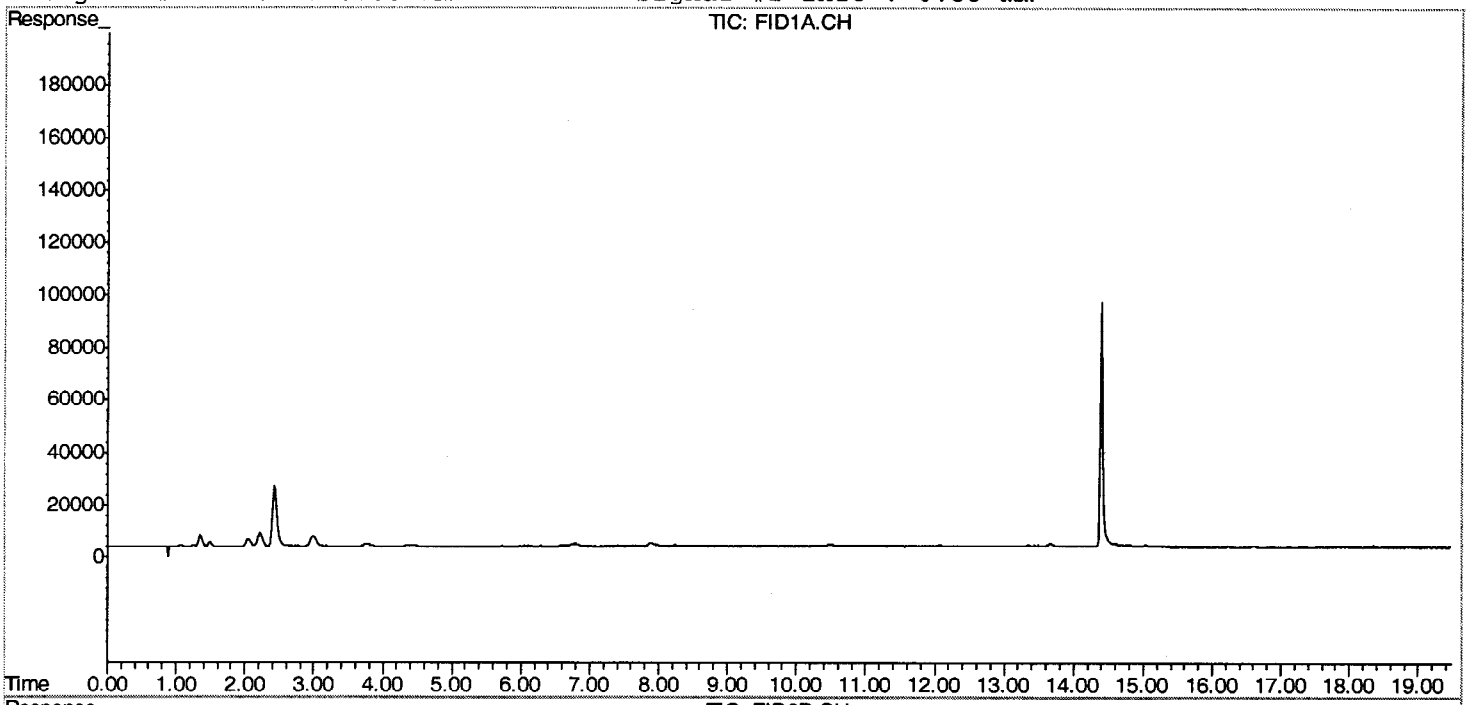
Print Date: 12/18/2009

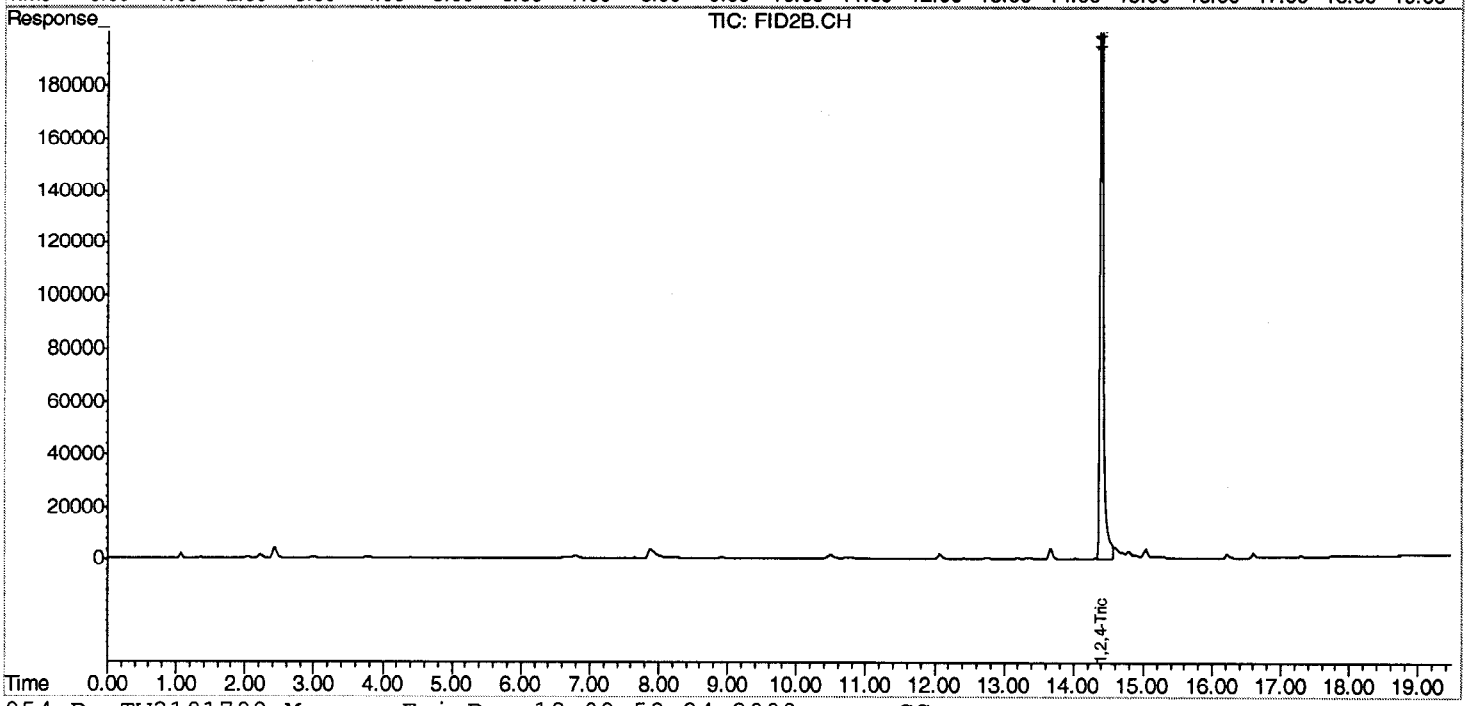
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3954.D\FID1A.CH Vial: 26
Signal #2 : Z:\121709\TA3954.D\FID2B.CH
Acq On : 18 Dec 2009 7:37 am Operator: laurac
Sample : 09-9771-08A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:54 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID:	MW8	**Lab Work Order:**	09-9771
Client Project ID:	008-2067	**Lab Sample ID:**	09-9771-09A
Date Collected:	12/15/2009	**Sample Matrix:**	Water
Date Received:	12/16/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009 **Lab File ID:** TA3955.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/18/2009 **Method Blank:** MB2121709-2

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	103	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

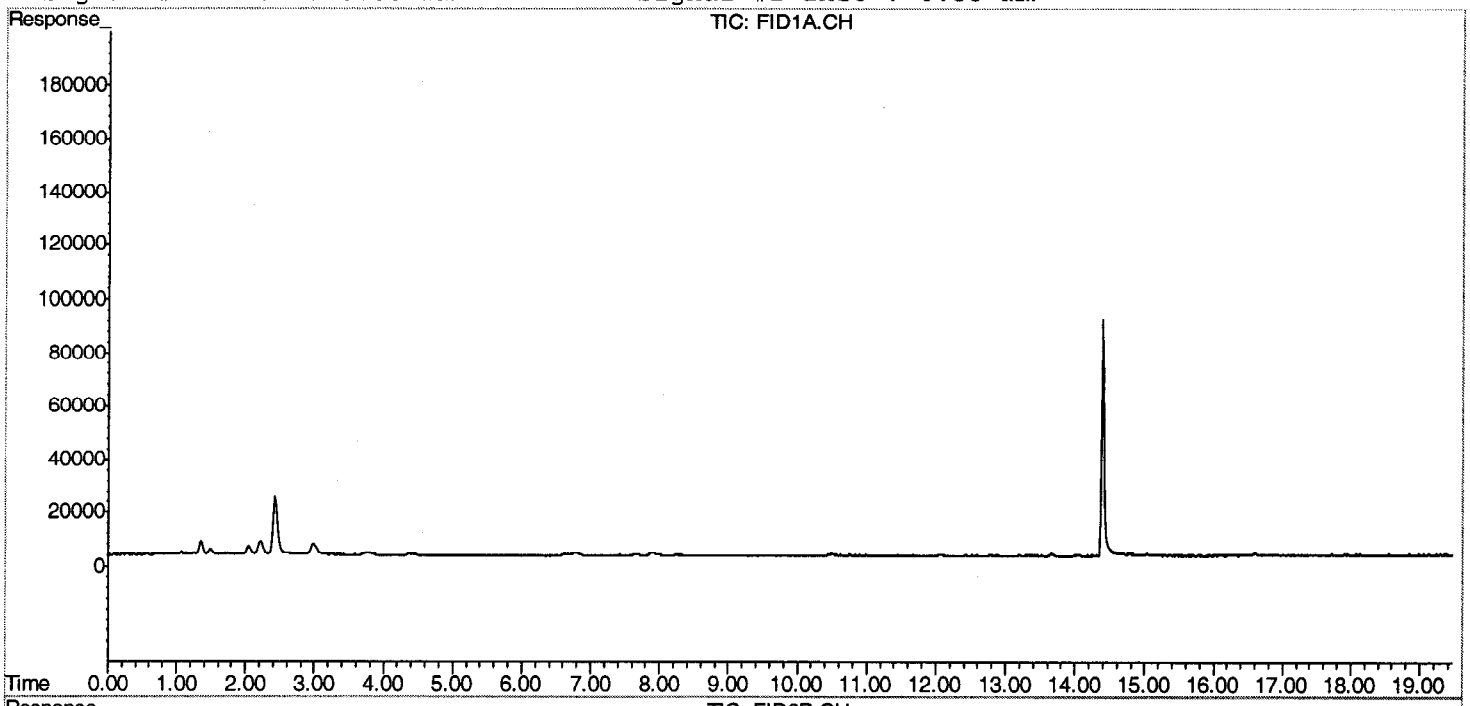
Print Date: 12/18/2009

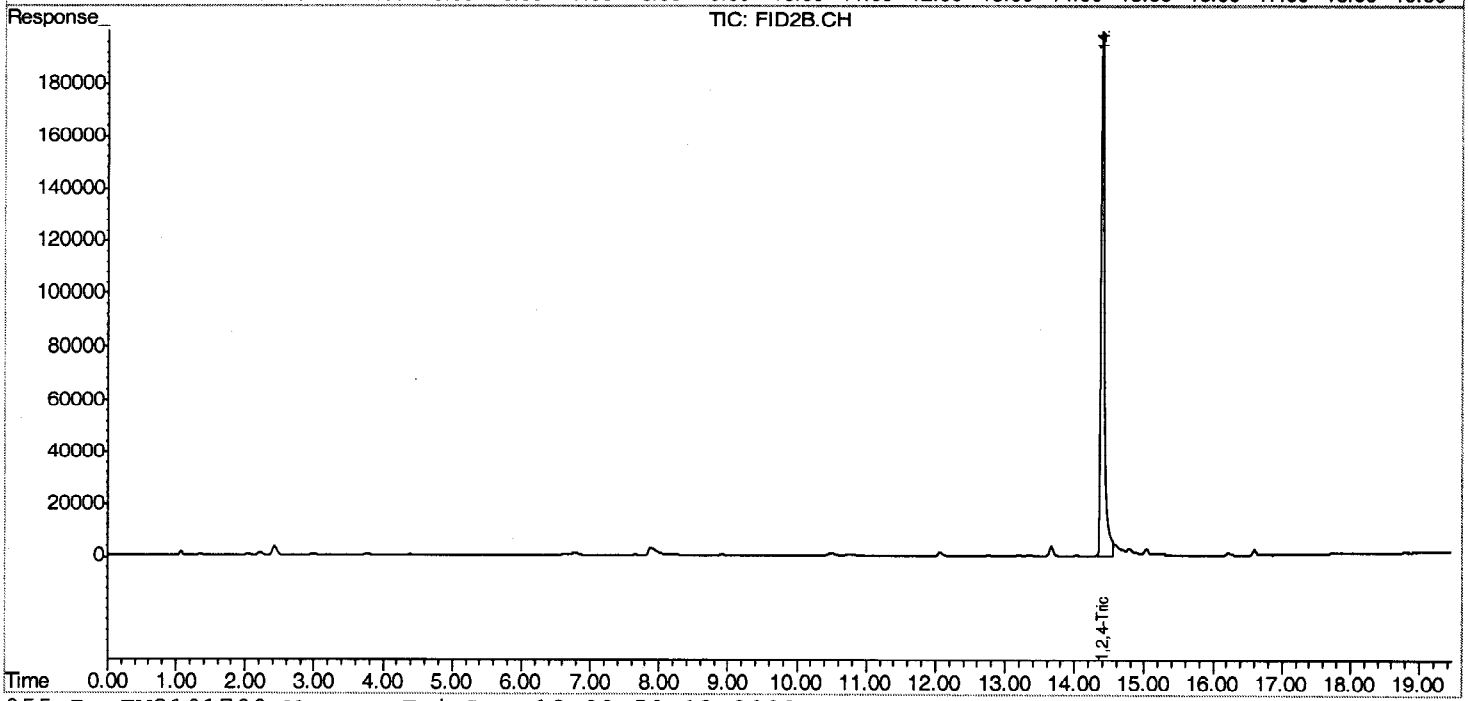
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3955.D\FID1A.CH Vial: 27
Signal #2 : Z:\121709\TA3955.D\FID2B.CH
Acq On : 18 Dec 2009 8:12 am Operator: laurac
Sample : 09-9771-09A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:55 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW14
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-10A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3956.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	1.5		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	103	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

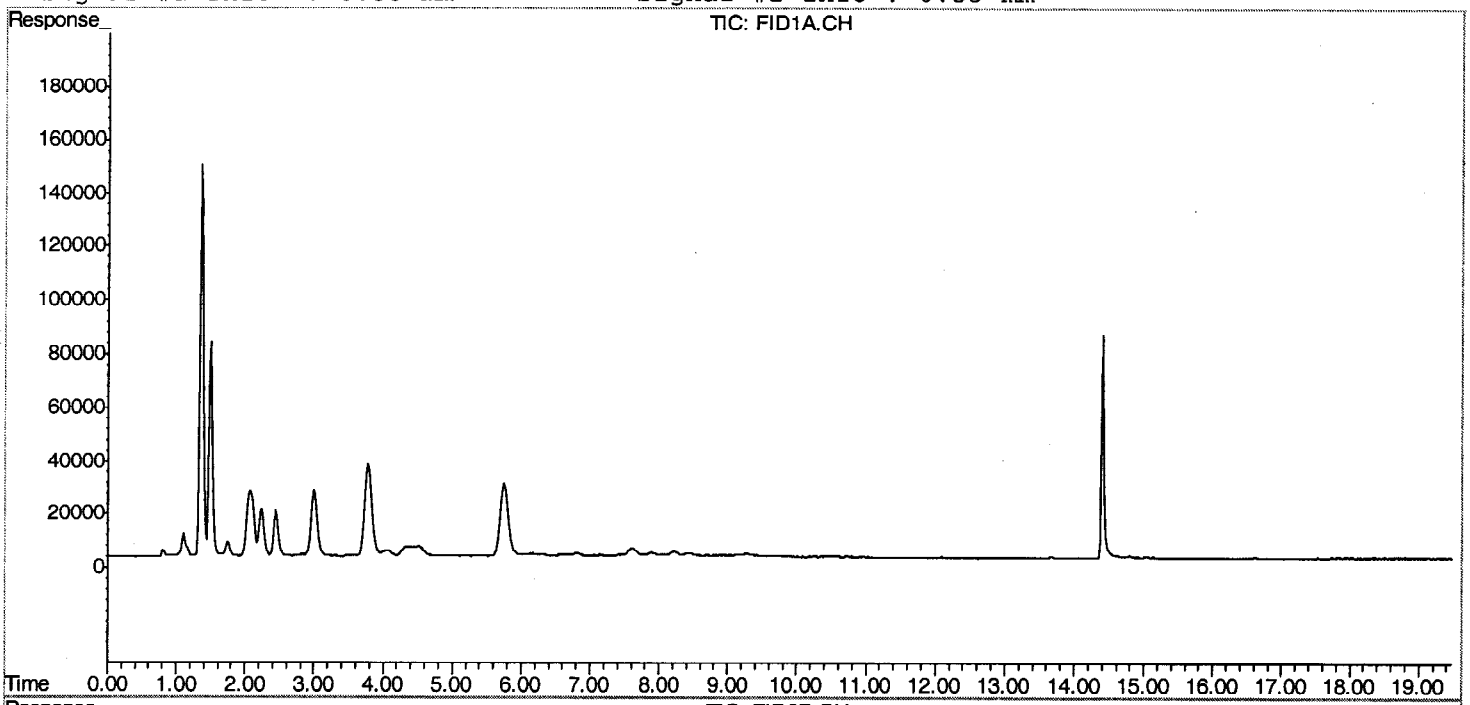
Print Date: 12/18/2009

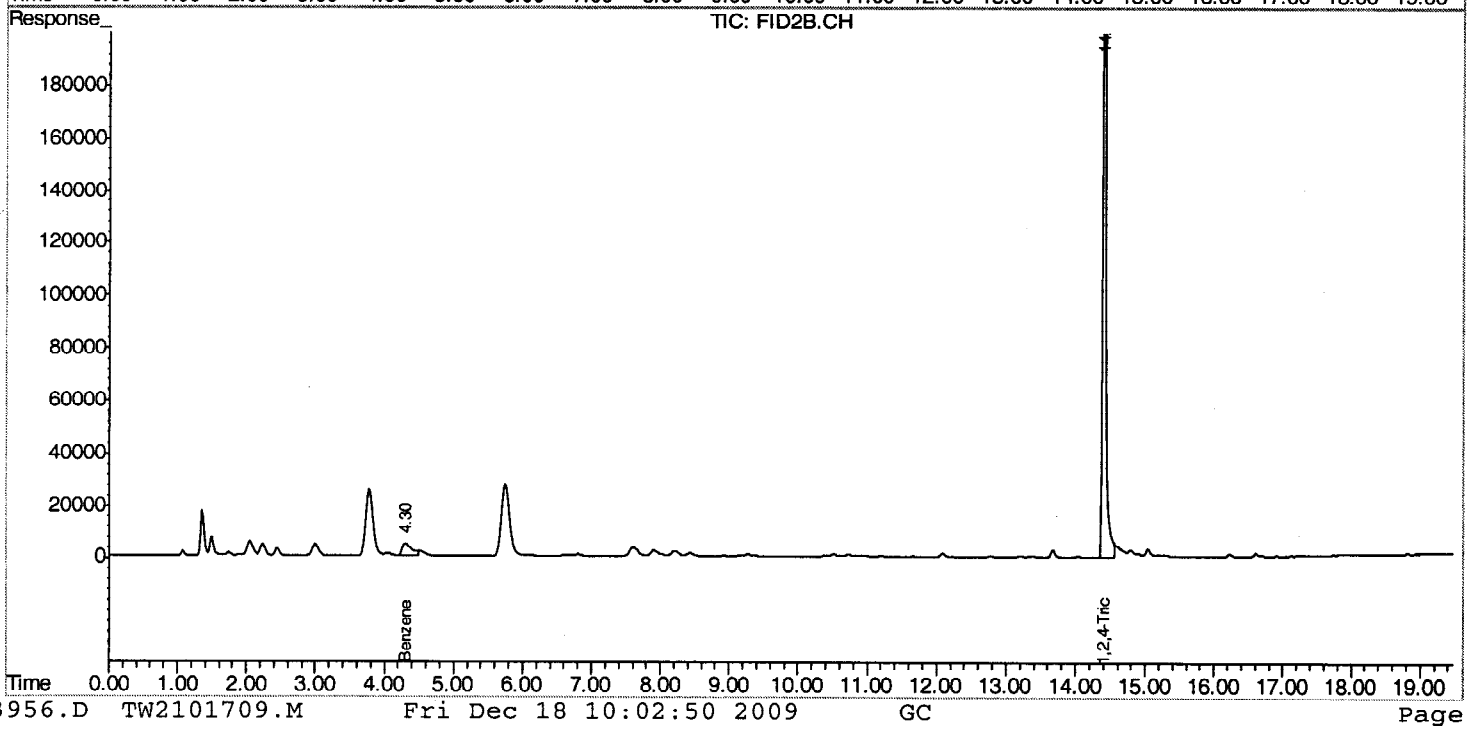
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3956.D\FID1A.CH Vial: 28
Signal #2 : Z:\121709\TA3956.D\FID2B.CH
Acq On : 18 Dec 2009 8:47 am Operator: laurac
Sample : 09-9771-10A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 9:58 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW9
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-11A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009 **Lab File ID:** TA3957.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/18/2009 **Method Blank:** MB2121709-2

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	2.0	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	105	QC Limits: 60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

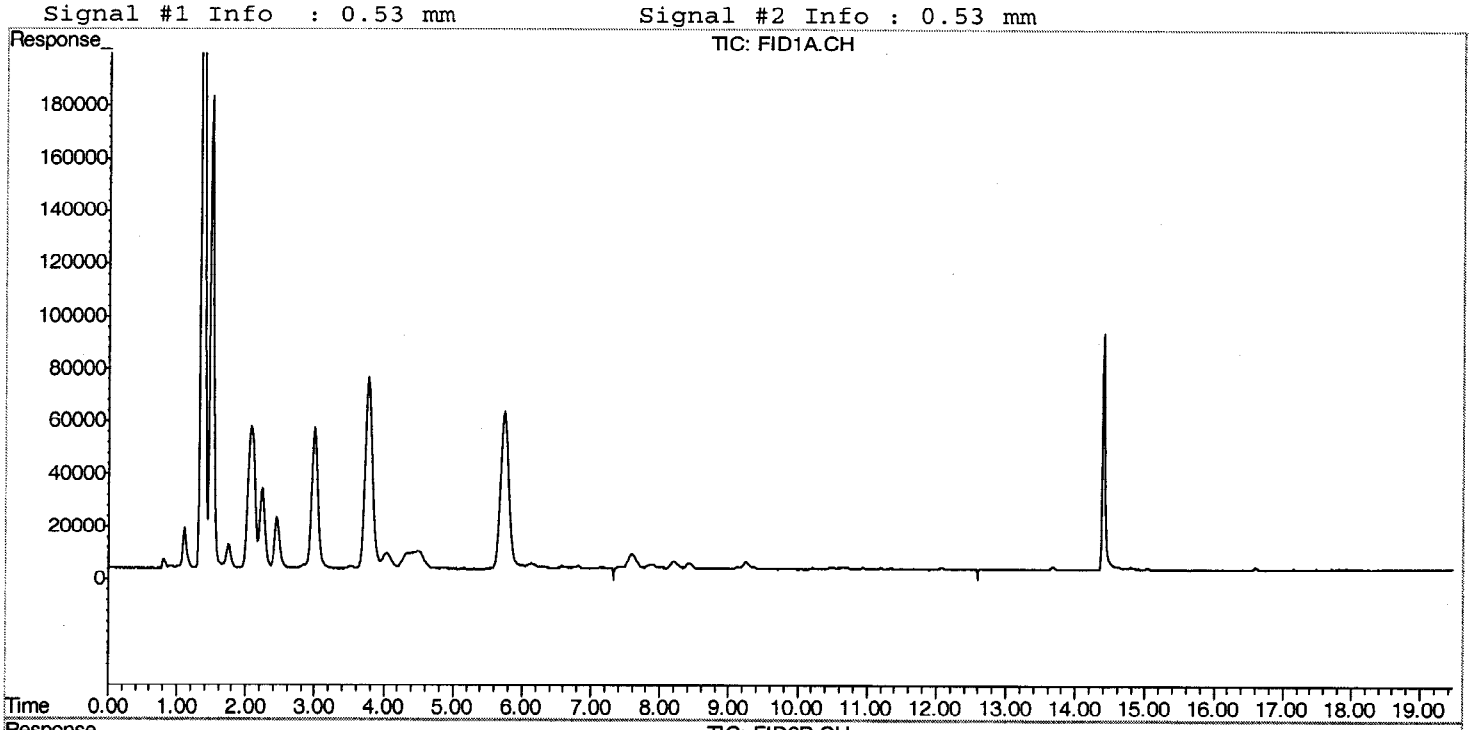
Print Date: 12/18/2009

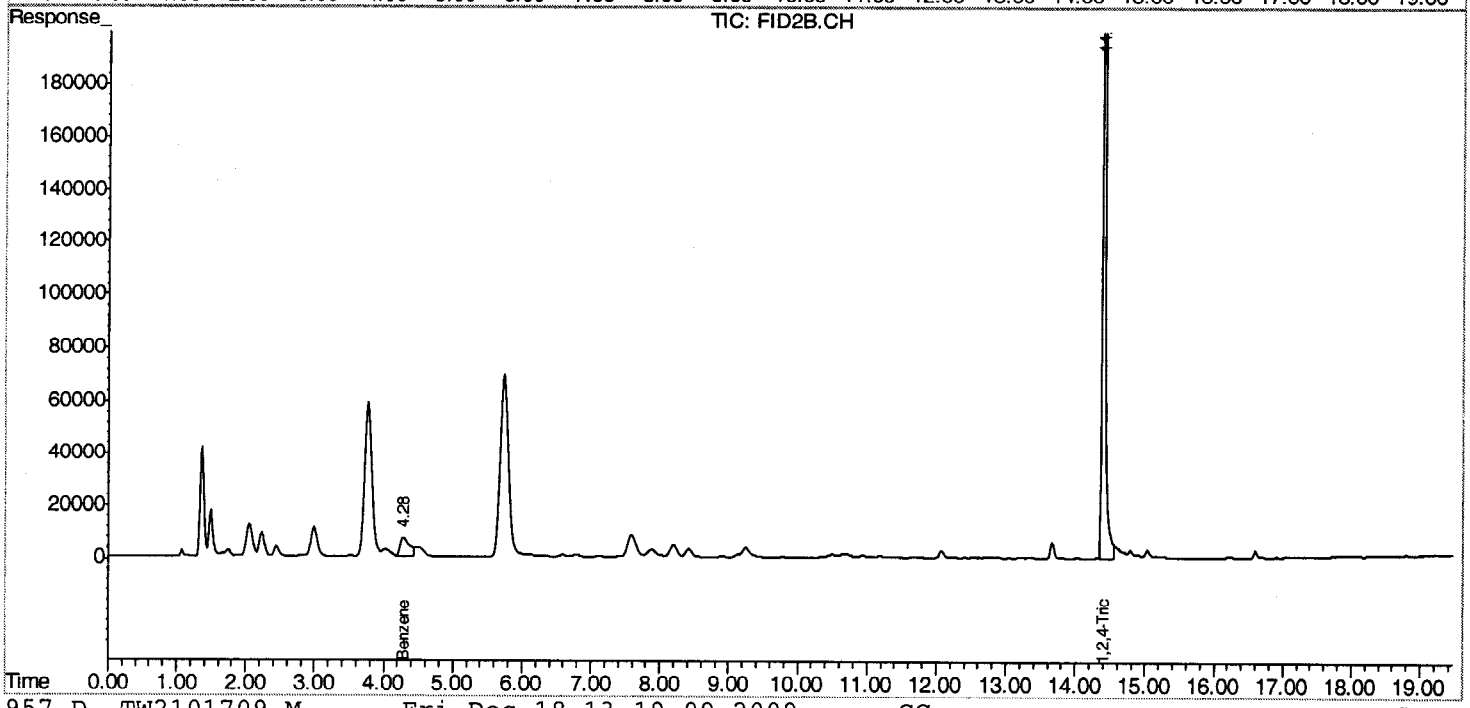
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3957.D\FID1A.CH Vial: 29
Signal #2 : Z:\121709\TA3957.D\FID2B.CH
Acq On : 18 Dec 2009 9:22 am Operator: laurac
Sample : 09-9771-11A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 13:15 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW2
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-12A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3958.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	110		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	2.0		2.0	µg/L
m,p-Xylene	1330-20-7	26		2.0	µg/L
o-Xylene	95-47-6	4.4		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	105	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

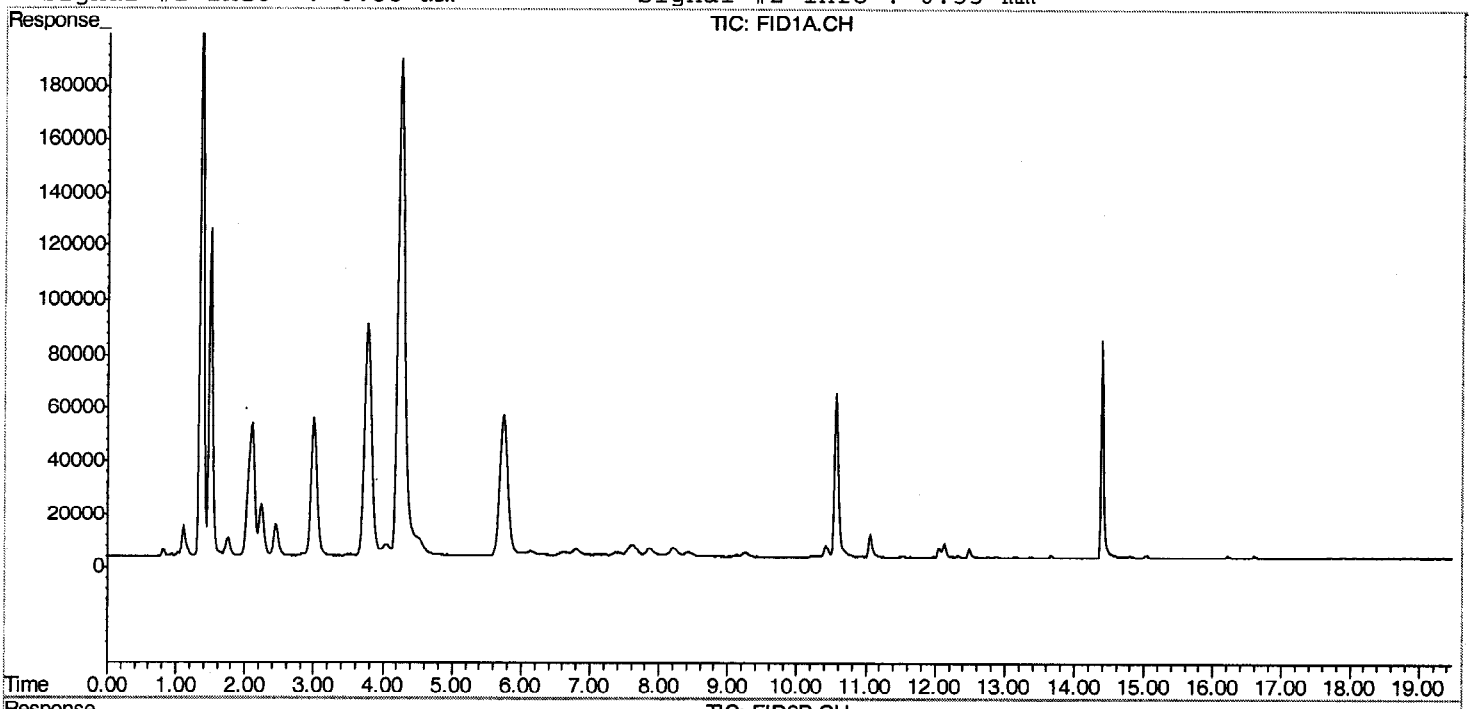
Print Date: 12/18/2009

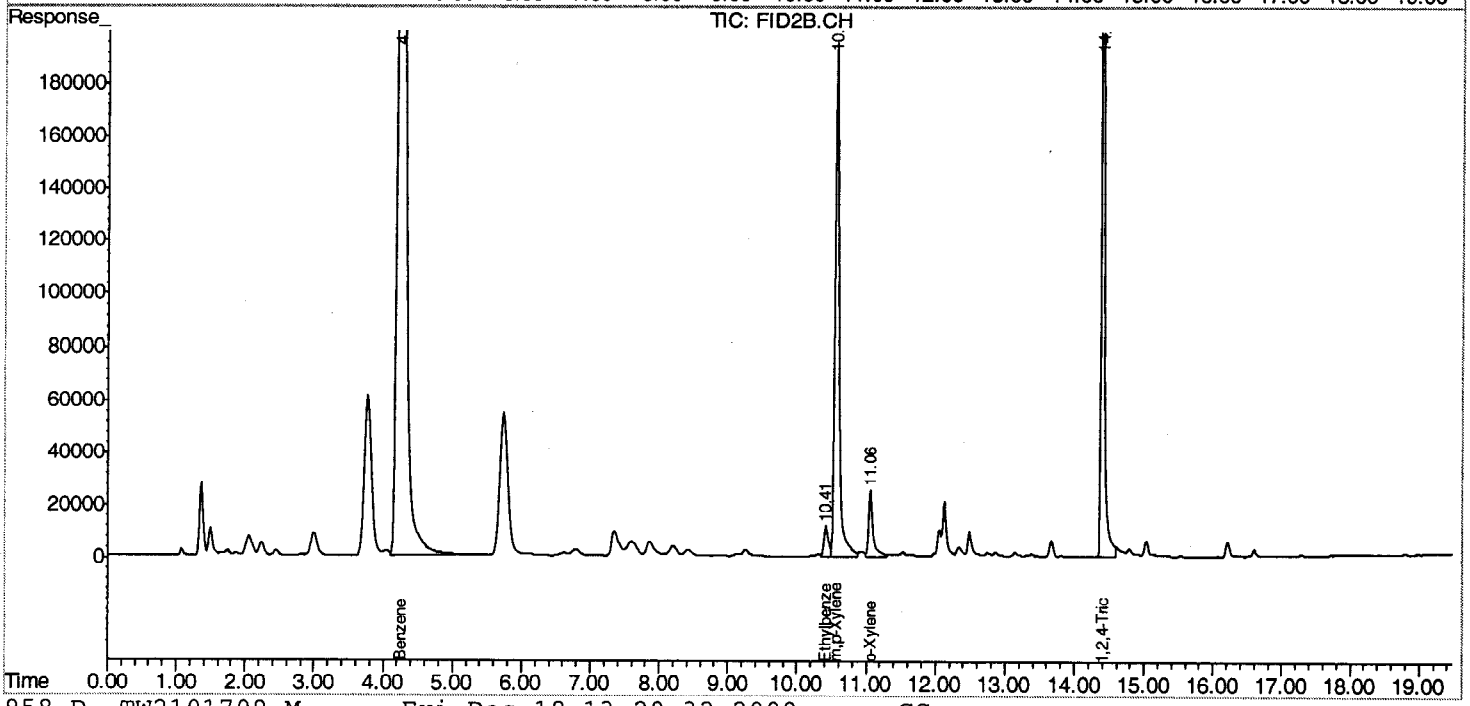
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3958.D\FID1A.CH Vial: 30
Signal #2 : Z:\121709\TA3958.D\FID2B.CH
Acq On : 18 Dec 2009 9:57 am Operator: laurac
Sample : 09-9771-12A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 13:16 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





031

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(303) 425-6021

Client Sample ID: MW12
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-13A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3959.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	107	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

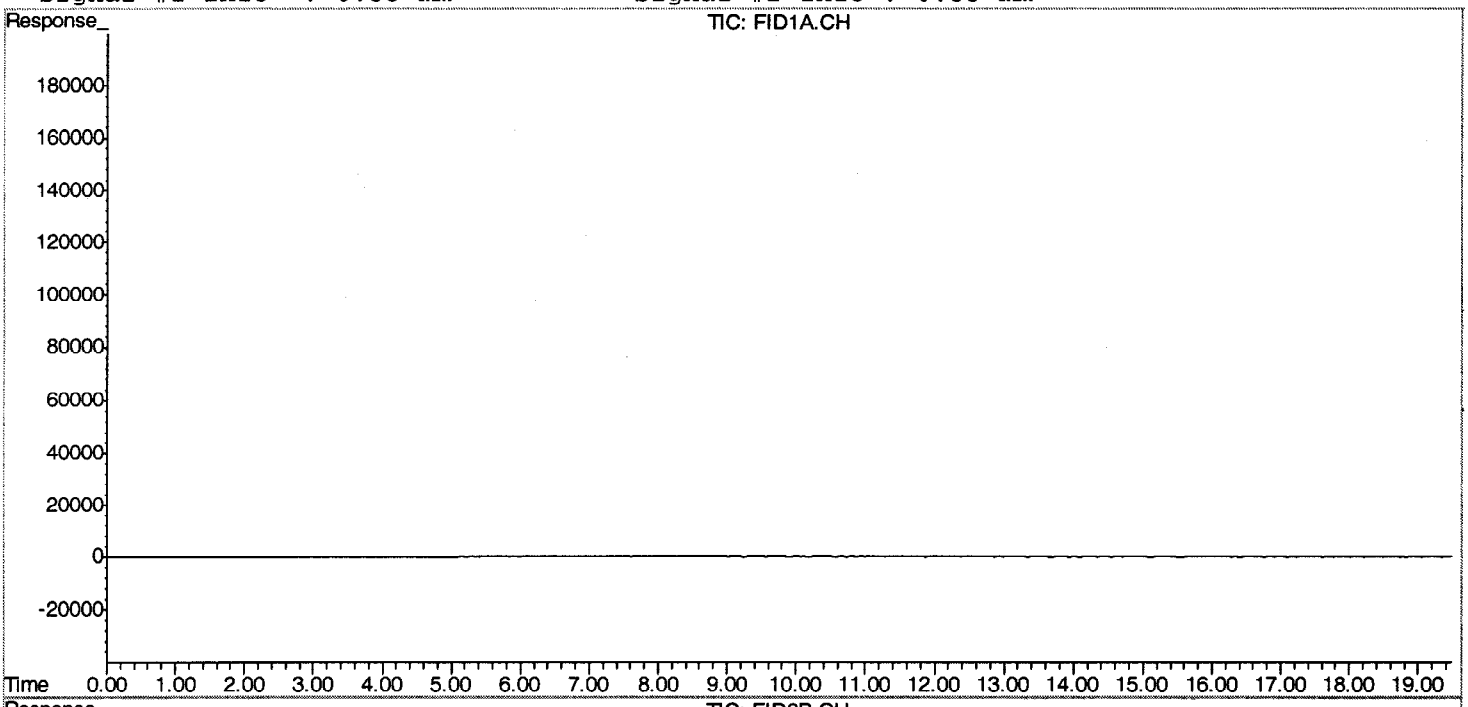
Print Date: 12/18/2009

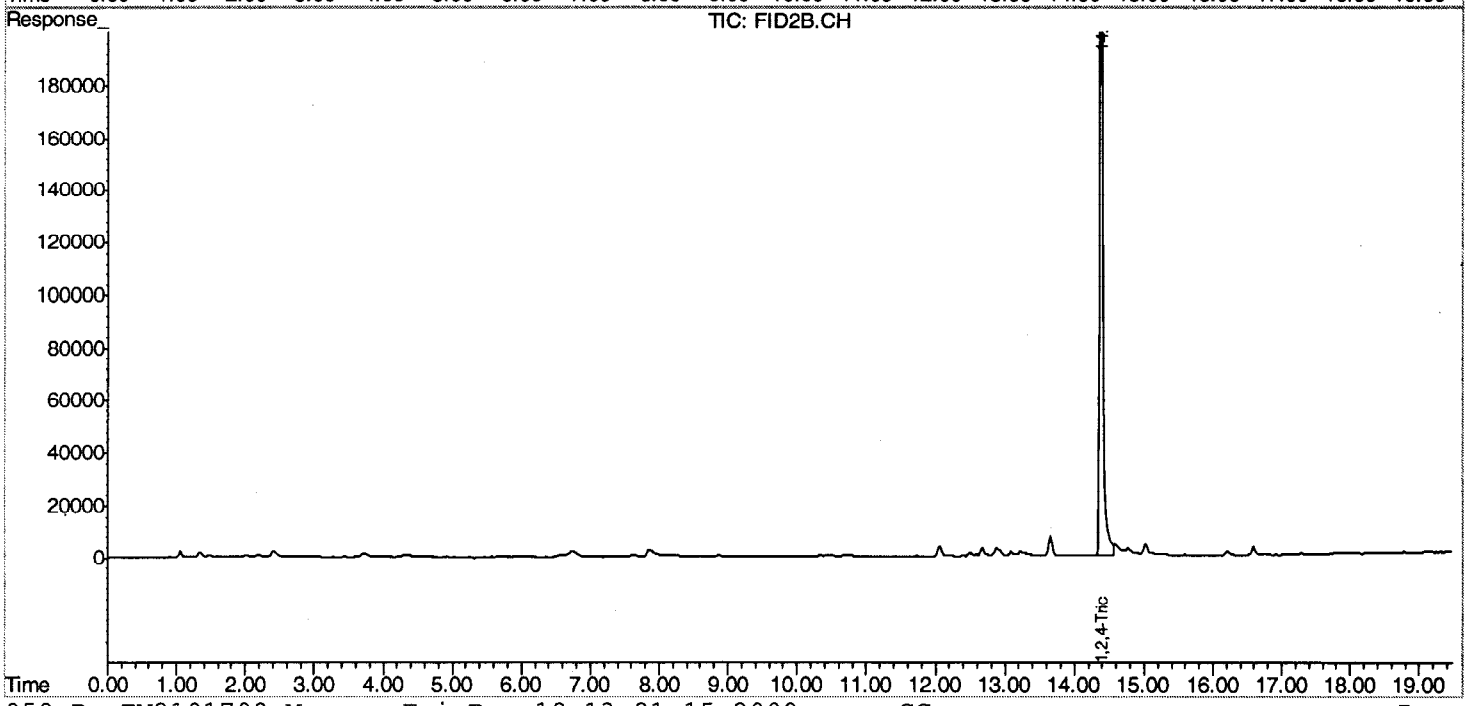
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3959.D\FID1A.CH Vial: 31
Signal #2 : Z:\121709\TA3959.D\FID2B.CH
Acq On : 18 Dec 2009 10:32 am Operator: laurac
Sample : 09-9771-13A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 13:17 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW6
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-14A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3960.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	110	QC Limits: 60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

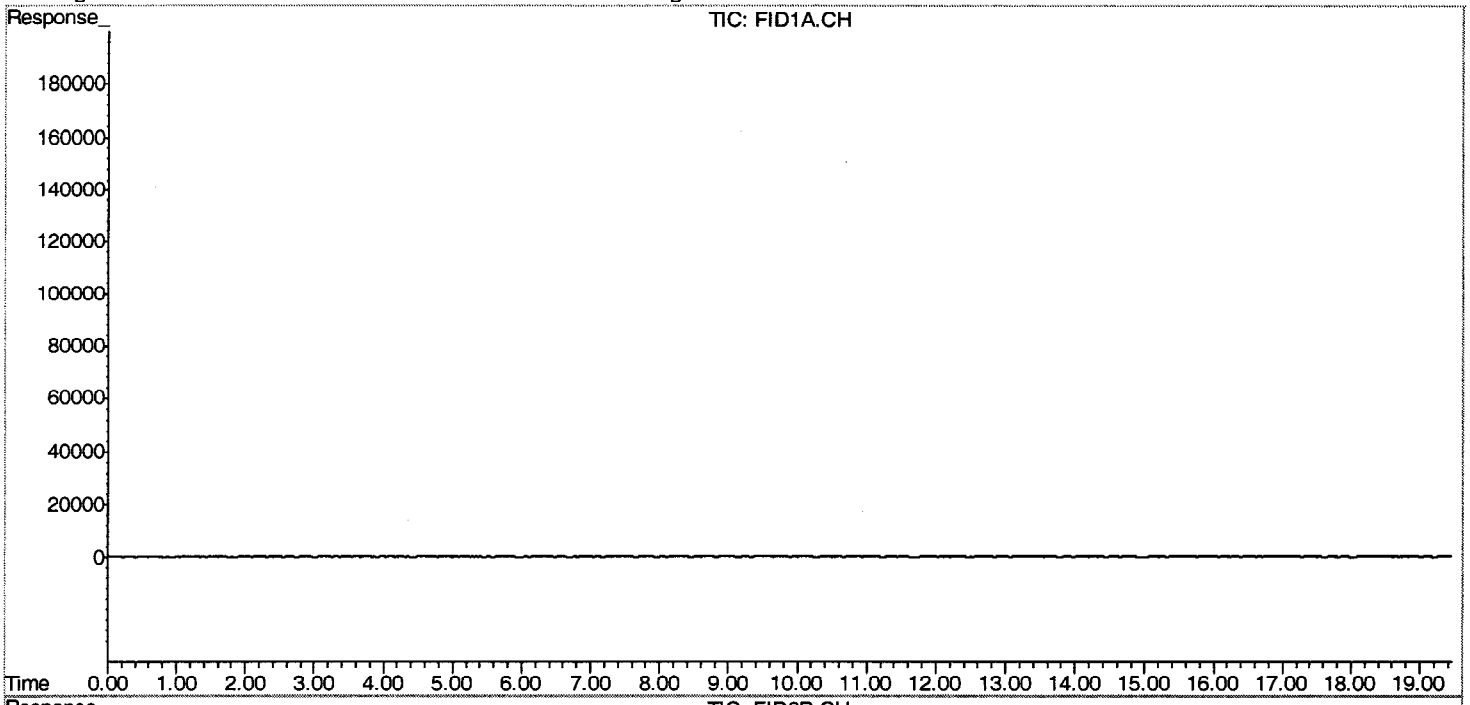
Print Date: 12/18/2009

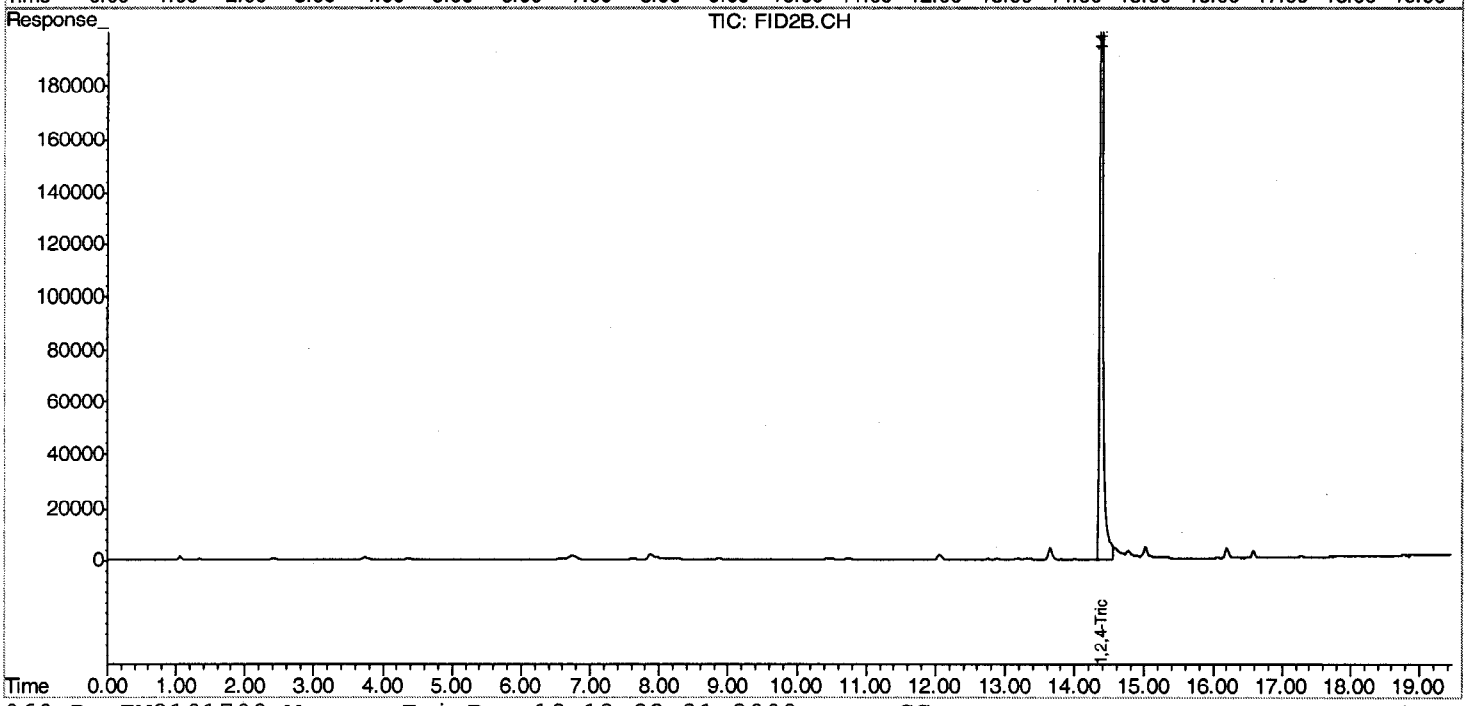
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3960.D\FID1A.CH Vial: 32
Signal #2 : Z:\121709\TA3960.D\FID2B.CH
Acq On : 18 Dec 2009 11:08 am Operator: laurac
Sample : 09-9771-14A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 13:18 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW11
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-15A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/17/2009
Date Analyzed: 12/18/2009
Lab File ID: TA3961.D\FID1A.CH
Method Blank: MB2121709-2
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	107	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

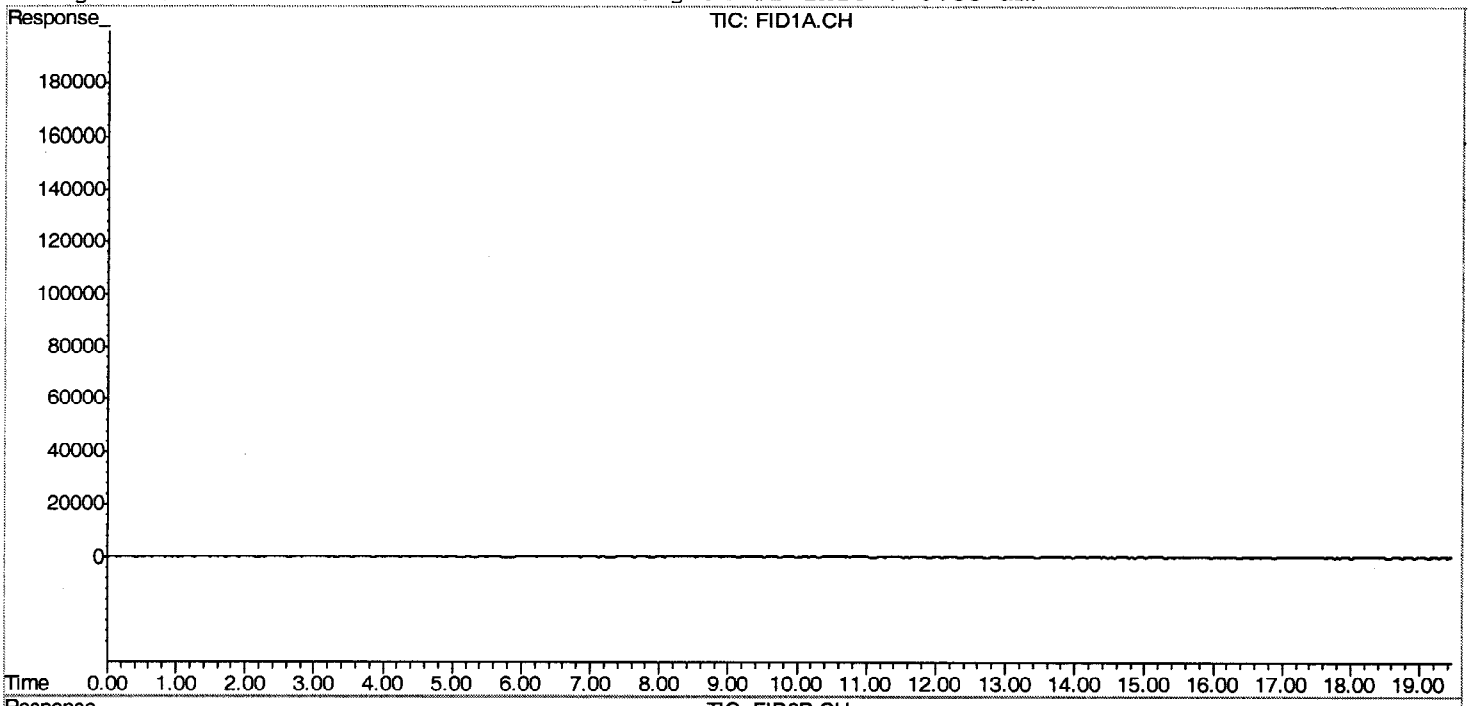
Print Date: 12/18/2009

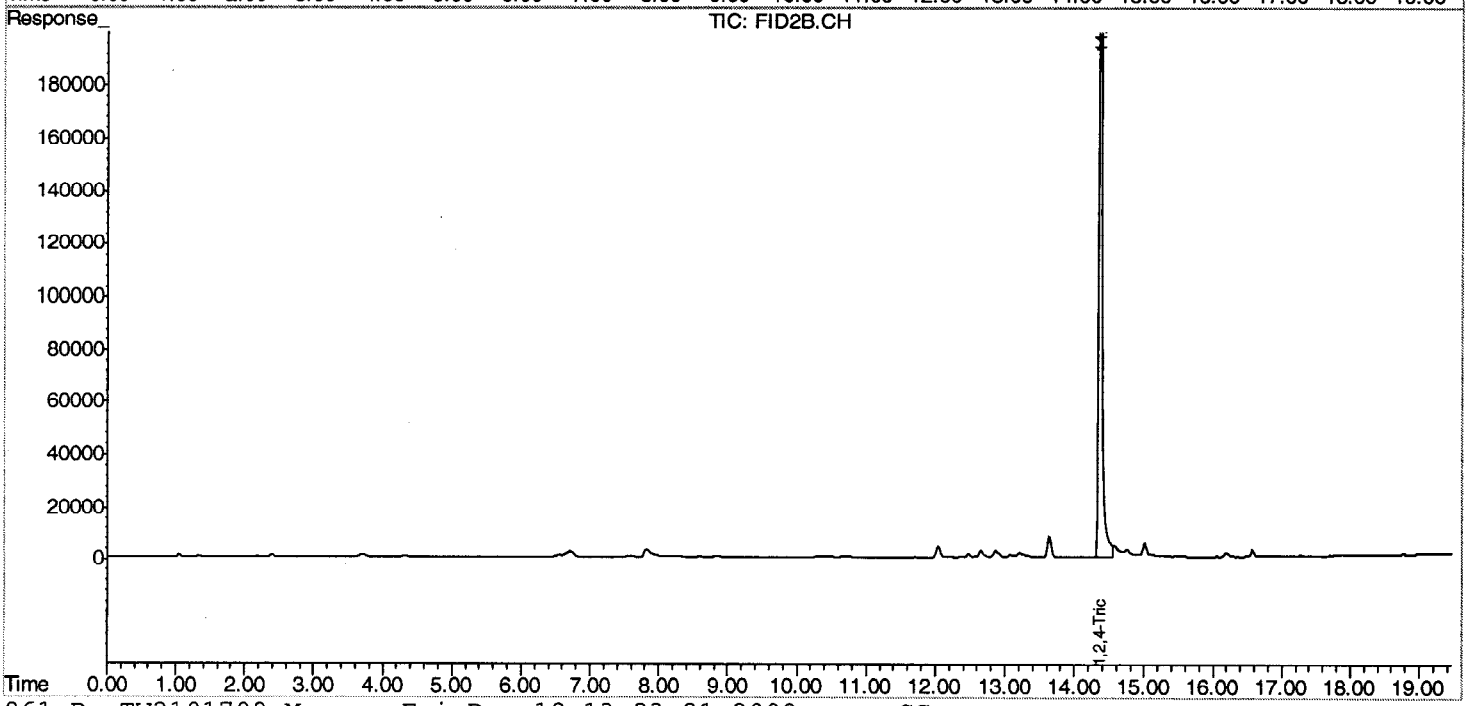
Quantitation Report (QT Reviewed)

Signal #1 : Z:\121709\TA3961.D\FID1A.CH Vial: 33
Signal #2 : Z:\121709\TA3961.D\FID2B.CH
Acq On : 18 Dec 2009 11:43 am Operator: laurac
Sample : 09-9771-15A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC440,GTA211,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 18 13:19 2009 Quant Results File: TW2101709.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW2101709.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Nov 11 08:27:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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Client Sample ID: MW4
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-16A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4030.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/21/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	35		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	18		2.0	µg/L
o-Xylene	95-47-6	3.4		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	102	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

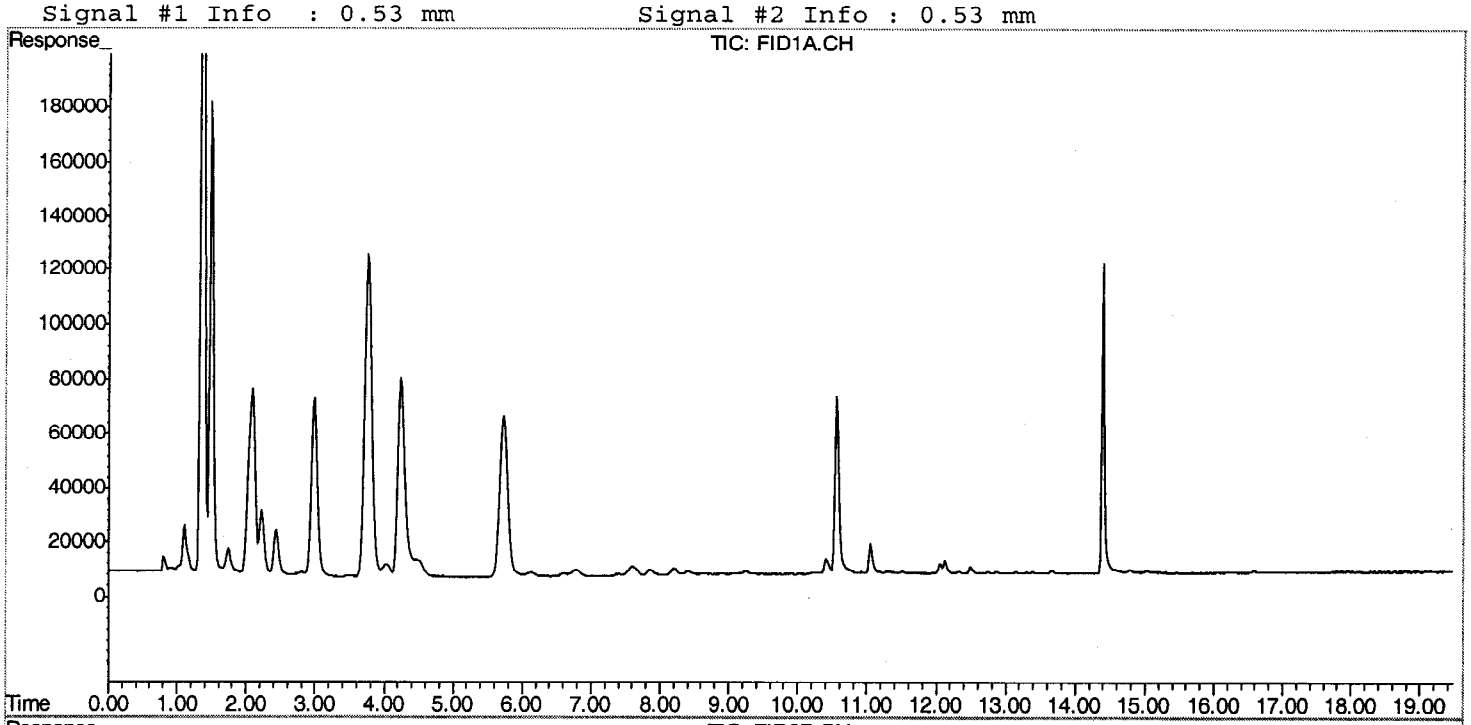
Print Date: 12/21/2009

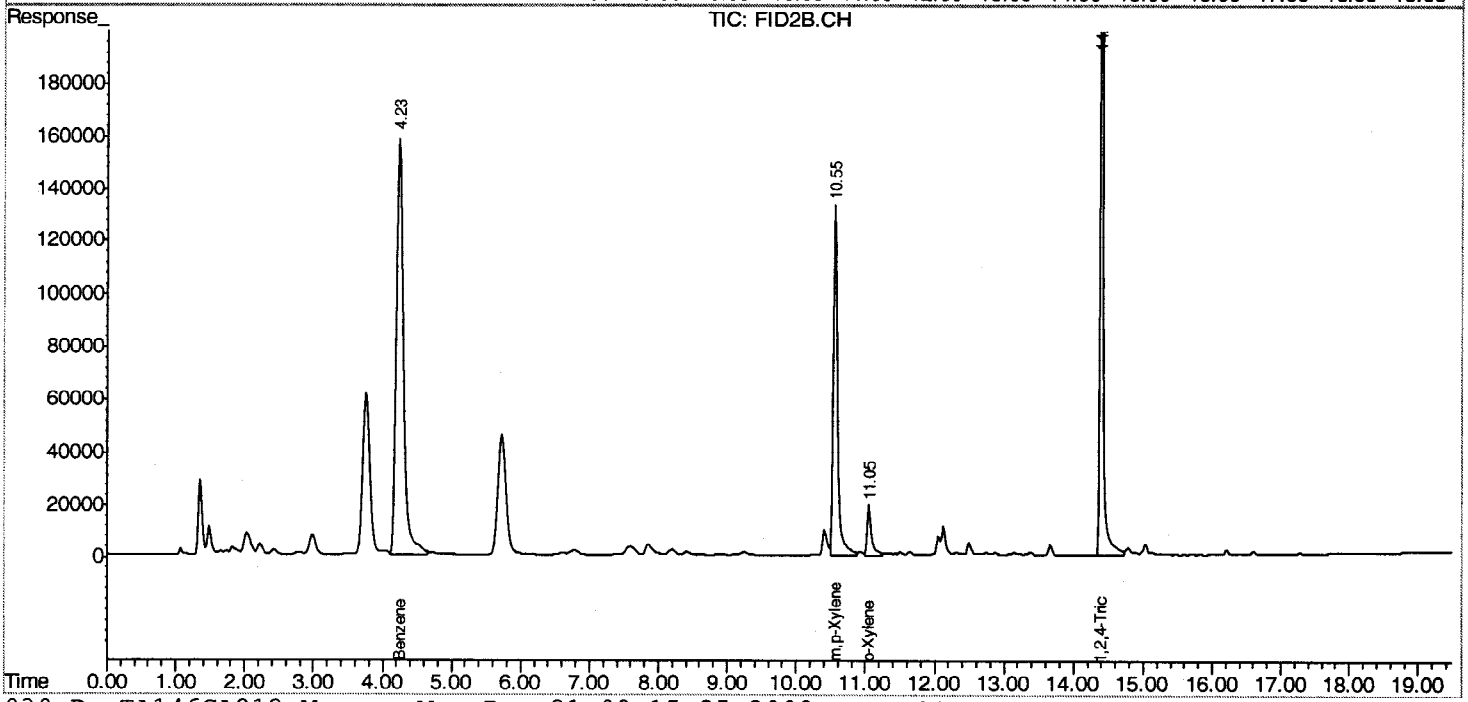
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4030.D\FID1A.CH Vial: 21
Signal #2 : Z:\122009\TA4030.D\FID2B.CH
Acq On : 21 Dec 2009 2:19 am Operator: laurac
Sample : 09-9771-16A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:10 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: MW16D
Client Project ID: 008-2067
Date Collected: 12/15/2009
Date Received: 12/16/2009

Lab Work Order: 09-9771
Lab Sample ID: 09-9771-17A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4031.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/21/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	103	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

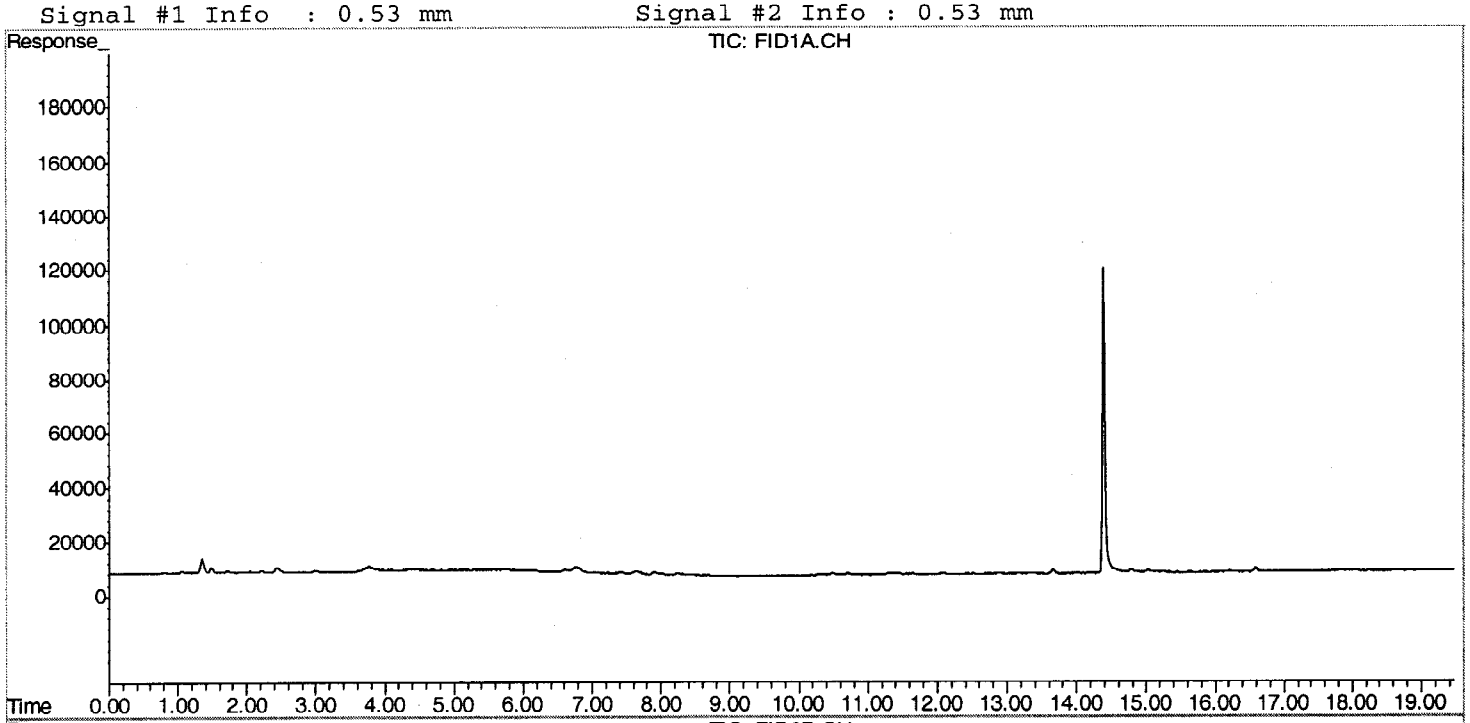
Print Date: 12/21/2009

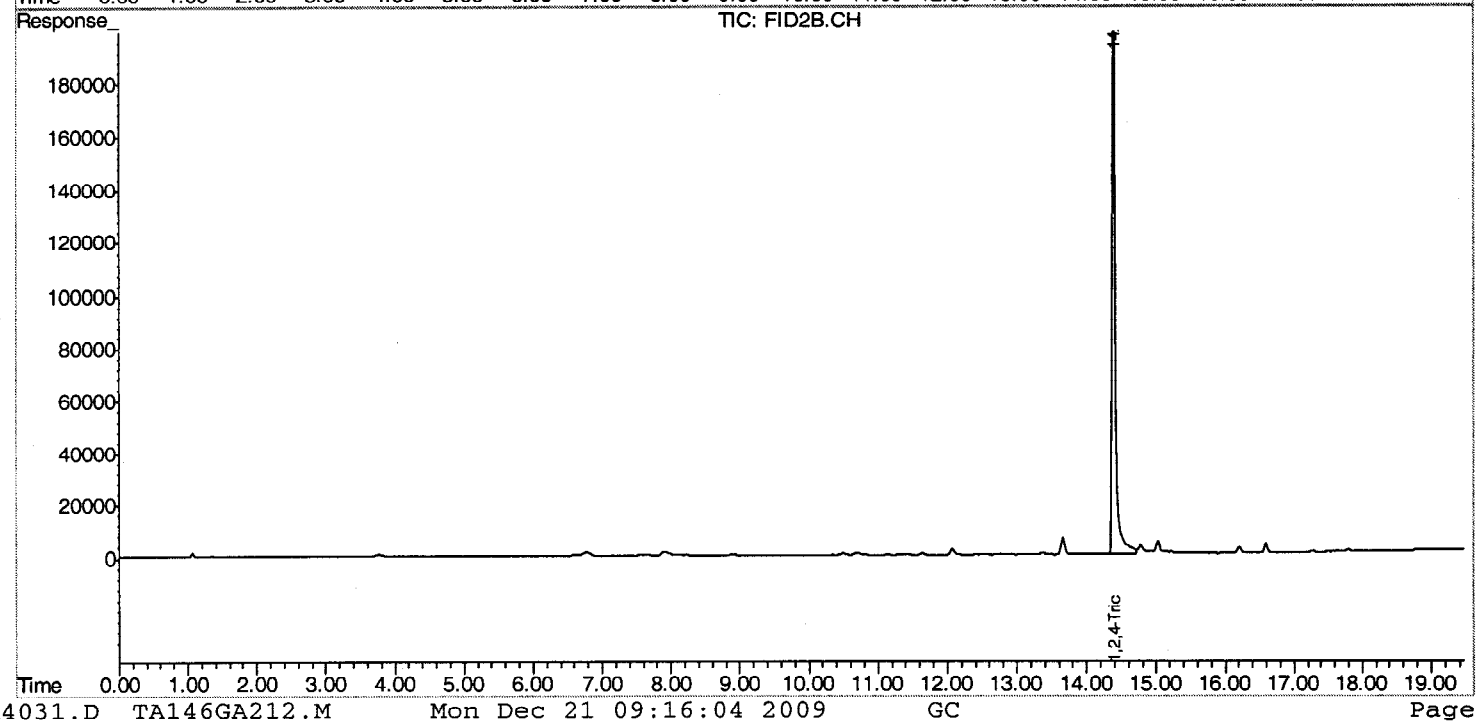
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4031.D\FID1A.CH Vial: 22
Signal #2 : Z:\122009\TA4031.D\FID2B.CH
Acq On : 21 Dec 2009 2:54 am Operator: laurac
Sample : 09-9771-17A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:11 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Project ID 008-2067

Lab Order: 09-9771
Units: mg/L

RSKSOP-175M Headspace
Methane

Method: RSKSOP175M

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results		LQL	DF
09-9771-01B	MW1	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.019		0.00080	1
09-9771-02B	MW20	Water	12/16/09	12/15/09	12/17/09	12/17/09		U	0.00080	1
09-9771-03B	MW21	Water	12/16/09	12/15/09	12/17/09	12/17/09		U	0.00080	1
09-9771-04B	MW17	Water	12/16/09	12/15/09	12/17/09	12/17/09	3.2		0.0080	10
09-9771-05B	MW18	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.042		0.00080	1
09-9771-06B	MW16	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.76		0.0016	2
09-9771-07B	MW22	Water	12/16/09	12/15/09	12/17/09	12/17/09		U	0.00080	1
09-9771-08B	MW7	Water	12/16/09	12/15/09	12/17/09	12/17/09		U	0.00080	1
09-9771-09B	MW8	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.083		0.00080	1
09-9771-10B	MW14	Water	12/16/09	12/15/09	12/17/09	12/17/09	5.9		0.0080	10
09-9771-11B	MW9	Water	12/16/09	12/15/09	12/17/09	12/17/09	9.2		0.020	25
09-9771-12B	MW2	Water	12/16/09	12/15/09	12/17/09	12/17/09	9.1		0.020	25
09-9771-13B	MW12	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.070		0.00080	1
09-9771-14B	MW6	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.0051		0.00080	1
09-9771-15B	MW11	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.041		0.00080	1
09-9771-16B	MW4	Water	12/16/09	12/15/09	12/17/09	12/17/09	8.8		0.020	25
09-9771-17B	MW16D	Water	12/16/09	12/15/09	12/17/09	12/17/09	0.75		0.0016	2

AS
Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 12/18/09

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Project ID 008-2067

Lab Order: 09-9771
Units: mg/L

Anions by IC
Chloride

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
09-9771-01C	MW1	Water	12/16/09	12/15/09 0955	12/22/09	12/22/09 1402	19.6	0.50	1
09-9771-02C	MW20	Water	12/16/09	12/15/09 1000	12/22/09	12/22/09 1414	14.6	0.50	1
09-9771-03C	MW21	Water	12/16/09	12/15/09 1015	12/22/09	12/22/09 1427	16.4	0.50	1
09-9771-04C	MW17	Water	12/16/09	12/15/09 1020	12/22/09	12/22/09 1931	44.7	2.5	5
09-9771-05C	MW18	Water	12/16/09	12/15/09 1040	12/22/09	12/22/09 1453	5.0	0.50	1
09-9771-06C	MW16	Water	12/16/09	12/15/09 1045	12/22/09	12/22/09 1944	44.6	2.5	5
09-9771-07C	MW22	Water	12/16/09	12/15/09 1100	12/22/09	12/22/09 1518	15.9	0.50	1
09-9771-08C	MW7	Water	12/16/09	12/15/09 1125	12/22/09	12/22/09 1531	33.0	0.50	1
09-9771-09C	MW8	Water	12/16/09	12/15/09 1200	12/22/09	12/22/09 1543	38.3	0.50	1
09-9771-10C	MW14	Water	12/16/09	12/15/09 1200	12/22/09	12/22/09 1556	18.7	0.50	1
09-9771-11C	MW9	Water	12/16/09	12/15/09 1215	12/22/09	12/22/09 1634	24.4	0.50	1
09-9771-12C	MW2	Water	12/16/09	12/15/09 1220	12/22/09	12/22/09 1956	44.9	2.5	5
09-9771-13C	MW12	Water	12/16/09	12/15/09 1240	12/22/09	12/22/09 1659	24.0	0.50	1
09-9771-14C	MW6	Water	12/16/09	12/15/09 1300	12/22/09	12/22/09 1737	16.8	0.50	1
09-9771-15C	MW11	Water	12/16/09	12/15/09 1305	12/22/09	12/22/09 1750	18.6	0.50	1
09-9771-16C	MW4	Water	12/16/09	12/15/09 1325	12/22/09	12/22/09 1802	33.3	0.50	1
09-9771-17C	MW16D	Water	12/16/09	12/15/09 1045	12/22/09	12/22/09 2022	44.2	2.5	5

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 12/23/09

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID 008-2067
Date Received: 12/16/09

Lab Order: 09-9771
Date Prepared: 12/22/09
Units: mg/L

Dissolved Metals
Sodium

Method: E200.7, Rev. 4.4 **Prep Method: E200.7/SW3010A**

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
09-9771-01D	MW1	Water	12/15/09	12/23/09	199	0.400	1
09-9771-02D	MW20	Water	12/15/09	12/23/09	91.8	0.400	1
09-9771-03D	MW21	Water	12/15/09	12/23/09	217	0.400	1
09-9771-04D	MW17	Water	12/15/09	12/23/09	228	0.400	1
09-9771-05D	MW18	Water	12/15/09	12/23/09	61.9	0.400	1
09-9771-06D	MW16	Water	12/15/09	12/23/09	239	0.400	1
09-9771-07D	MW22	Water	12/15/09	12/23/09	113	0.400	1
09-9771-08D	MW7	Water	12/15/09	12/23/09	130	0.400	1
09-9771-09D	MW8	Water	12/15/09	12/23/09	163	0.400	1
09-9771-10D	MW14	Water	12/15/09	12/23/09	42.2	0.400	1
09-9771-11D	MW9	Water	12/15/09	12/23/09	47.2	0.400	1
09-9771-12D	MW2	Water	12/15/09	12/23/09	118	0.400	1
09-9771-13D	MW12	Water	12/15/09	12/23/09	81.6	0.400	1
09-9771-14D	MW6	Water	12/15/09	12/23/09	106	0.400	1
09-9771-15D	MW11	Water	12/15/09	12/23/09	36.0	0.400	1
09-9771-16D	MW4	Water	12/15/09	12/23/09	117	0.400	1
09-9771-17D	MW16D	Water	12/15/09	12/23/09	245	0.400	1

Analyst

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding tim
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
PF - Prep Factor
LQL - Lower Quantitation Limit

Print Date: 12/30/2009

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

* For Metals or Wet Chemistry analyses: only included if requested or if performed on this client's samples.

Evergreen Analytical, Inc.

Date: *21-Dec-09*

Work Order: 09-9771
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **MB2121709-2**	SampType: **MBLK**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091217B**	Prep Date: **12/17/2009**	Units: **µg/L**
	Batch ID: **R51931**	TestNo: **SW8021B**	FileID: **TA3937.D\FID1A.CH**	Analysis Date: **12/17/2009**	SeqNo: **947723**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	102.5	0	100	0	103	60	140	0	0		

Sample ID: **MB2122009**	SampType: **MBLK**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**	Prep Date: **12/20/2009**	Units: **µg/L**
	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4011.D\FID1A.CH**	Analysis Date: **12/20/2009**	SeqNo: **948403**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	101.9	0	100	0	102	60	140	0	0		

Sample ID: **LCS2121709-2**	SampType: **LCS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091217B**	Prep Date: **12/17/2009**	Units: **µg/L**
	Batch ID: **R51931**	TestNo: **SW8021B**	FileID: **TA3938.D\FID1A.CH**	Analysis Date: **12/17/2009**	SeqNo: **947724**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.07	1.0	27.2	0	103	70	130	0	0		
Toluene	205	2.0	211.6	0	96.9	70	130	0	0		
Ethylbenzene	48.62	2.0	45.6	0	107	70	130	0	0		
m,p-Xylene	157.3	2.0	150	0	105	70	130	0	0		
o-Xylene	69.49	2.0	65.9	0	105	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	121.3	0	100	0	121	60	140	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 09-9771
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **LCS2122009**	SampType: **LCS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**	Prep Date: **12/20/2009**	Units: **µg/L**
	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4012.D\FID1A.CH**	Analysis Date: **12/20/2009**	SeqNo: **948404**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	27.97	1.0	27.2	0	103	70	130	0	0		
Toluene	199.8	2.0	211.6	0	94.4	70	130	0	0		
Ethylbenzene	47.44	2.0	45.6	0	104	70	130	0	0		
m,p-Xylene	153.1	2.0	150	0	102	70	130	0	0		
o-Xylene	67.92	2.0	65.9	0	103	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	117	0	100	0	117	60	140	0	0		

Sample ID: **09-9724-01DMS**	SampType: **MS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091217B**	Prep Date: **12/17/2009**	Units: **µg/L**
	Batch ID: **R51931**	TestNo: **SW8021B**	FileID: **TA3940.D\FID1A.CH**	Analysis Date: **12/17/2009**	SeqNo: **947726**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	27.64	1.0	27.2	0	102	70	130	0	0		
Toluene	201.8	2.0	211.6	0	95.4	70	130	0	0		
Ethylbenzene	48.77	2.0	45.6	0	107	62	130	0	0		
m,p-Xylene	156.1	2.0	150	0	104	70	134	0	0		
o-Xylene	71.32	2.0	65.9	0	108	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	131.6	0	100	0	132	60	140	0	0		

Sample ID: **09-9892-01AMS**	SampType: **MS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**	Prep Date: **12/20/2009**	Units: **µg/L**
	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4014.D\FID1A.CH**	Analysis Date: **12/20/2009**	SeqNo: **948383**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.54	1.0	27.2	0	105	70	130	0	0		
Toluene	205.4	2.0	211.6	0	97.1	70	130	0	0		
Ethylbenzene	48.84	2.0	45.6	0	107	62	130	0	0		
m,p-Xylene	157.7	2.0	150	0	105	70	134	0	0		
o-Xylene	71.26	2.0	65.9	0	108	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	120.8	0	100	0	121	60	140	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 09-9771
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: 09-9724-01DMSD	SampType: MSD	TestCode: 8021_W	Run ID: TVHBTEX2_091217B	Prep Date: 12/17/2009	Units: µg/L
	Batch ID: R51931	TestNo: SW8021B	FileID: TA3941.D\FID1A.CH	Analysis Date: 12/18/2009	SeqNo: 947727

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	27.26	1.0	27.2	0	100	70	130	27.64	1.39	30	
Toluene	199.3	2.0	211.6	0	94.2	70	130	201.8	1.23	30	
Ethylbenzene	48.06	2.0	45.6	0	105	62	130	48.77	1.47	30	
m,p-Xylene	153.9	2.0	150	0	103	70	134	156.1	1.45	30	
o-Xylene	70.31	2.0	65.9	0	107	63	130	71.32	1.42	30	
Surr: 1,2,4-Trichlorobenzene (S)	123.5	0	100	0	123	60	140	0	0	0	

Sample ID: 09-9892-01AMSD	SampType: MSD	TestCode: 8021_W	Run ID: TVHBTEX2_091220A	Prep Date: 12/20/2009	Units: µg/L
	Batch ID: R51975	TestNo: SW8021B	FileID: TA4015.D\FID1A.CH	Analysis Date: 12/20/2009	SeqNo: 948384

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.77	1.0	27.2	0	106	70	130	28.54	0.817	30	
Toluene	207	2.0	211.6	0	97.8	70	130	205.4	0.801	30	
Ethylbenzene	49.1	2.0	45.6	0	108	62	130	48.84	0.535	30	
m,p-Xylene	158.5	2.0	150	0	106	70	134	157.7	0.513	30	
o-Xylene	71.36	2.0	65.9	0	108	63	130	71.26	0.133	30	
Surr: 1,2,4-Trichlorobenzene (S)	123.6	0	100	0	124	60	140	0	0	0	

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *18-Dec-09*

Work Order: 09-9771
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: MEEP_W

Sample ID: **GB121709** SampType: **MBLK** TestCode: **MEEP_W** Run ID: **FID4_091217A** Prep Date: **12/17/09** Units: **mg/L**
Batch ID: **GAS121709** TestNo: **RSKSOP175** FileID: **FB1067** Analysis Date: **12/17/09** SeqNo: **947581**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	U	0.00080									

Sample ID: **LCS121709** SampType: **LCS** TestCode: **MEEP_W** Run ID: **FID4_091217A** Prep Date: **12/17/09** Units: **mg/L**
Batch ID: **GAS121709** TestNo: **RSKSOP175** FileID: **FB1068** Analysis Date: **12/17/09** SeqNo: **947582**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.609	0.0080	0.5094	0	120	70	130	0	0		

Sample ID: **LCSD121709** SampType: **LCSD** TestCode: **MEEP_W** Run ID: **FID4_091217A** Prep Date: **12/17/09** Units: **mg/L**
Batch ID: **GAS121709** TestNo: **RSKSOP175** FileID: **FB1069** Analysis Date: **12/17/09** SeqNo: **947583**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.6252	0.0080	0.5094	0	123	70	130	0.609	2.63	30	

Sample ID: **09-9771-07BMS** SampType: **MS** TestCode: **MEEP_W** Run ID: **FID4_091217A** Prep Date: **12/17/09** Units: **mg/L**
Client ID: **MW22** Batch ID: **GAS121709** TestNo: **RSKSOP175** FileID: **FB1103** Analysis Date: **12/17/09** SeqNo: **947566**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5902	0.0080	0.5094	0	116	70	130	0	0		

Sample ID: **09-9771-07BMSD** SampType: **MSD** TestCode: **MEEP_W** Run ID: **FID4_091217A** Prep Date: **12/17/09** Units: **mg/L**
Client ID: **MW22** Batch ID: **GAS121709** TestNo: **RSKSOP175** FileID: **FB1104** Analysis Date: **12/17/09** SeqNo: **947567**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5873	0.0080	0.5094	0	115	70	130	0.5902	0.506	30	

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *23-Dec-09*

Work Order: 09-9771
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_NONDW

Sample ID: **MB 12/22/09**	SampType: **MBLK**	TestCode: **ANIONS_NON**	Run ID: **IC-DX120_091222A**	Prep Date: **12/22/09**	Units: **mg/L**
	Batch ID: **R52032**	TestNo: **E300.0**	FileID:	Analysis Date: **12/22/09**	SeqNo: **949686**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	U	0.50									

Sample ID: **LCS ALLT218099**	SampType: **LCS**	TestCode: **ANIONS_NON**	Run ID: **IC-DX120_091222A**	Prep Date: **12/22/09**	Units: **mg/L**
	Batch ID: **R52032**	TestNo: **E300.0**	FileID:	Analysis Date: **12/22/09**	SeqNo: **949685**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.33	2.5	20	0	91.7	90	110	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *30-Dec-09*

Work Order: 09-9771
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: 21988

Sample ID: **MB-21988**	SampType: **MBLK**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_091223A**	Prep Date: **12/22/2009**	Units: **mg/L**
	Batch ID: **21988**	TestNo: **E200.7, Rev.**	FileID: **122309PM**	Analysis Date: **12/23/2009**	SeqNo: **950083**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	U	0.400									

Sample ID: **LCS-21988**	SampType: **LCS**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_091223A**	Prep Date: **12/22/2009**	Units: **mg/L**
	Batch ID: **21988**	TestNo: **E200.7, Rev.**	FileID: **122309PM**	Analysis Date: **12/23/2009**	SeqNo: **950084**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	10.48	0.400	10	0	105	85	115	0	0		

Sample ID: **09-9771-01DMS**	SampType: **MS**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_091223A**	Prep Date: **12/22/2009**	Units: **mg/L**
Client ID: **MW1**	Batch ID: **21988**	TestNo: **E200.7, Rev.**	FileID: **122309PM**	Analysis Date: **12/23/2009**	SeqNo: **950087**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	211.2	0.500	12.5	197.6	109	75	125	0	0		

Sample ID: **09-9875-01CMS**	SampType: **MS**	TestCode: **6010_D**	Run ID: **ICP-OPTIMA 5300 DV_091223A**	Prep Date: **12/22/2009**	Units: **mg/L**
	Batch ID: **21988**	TestNo: **SW6010B**	FileID: **122309PM**	Analysis Date: **12/23/2009**	SeqNo: **950110**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	17.59	0.50	12.5	5.628	95.7	75	125	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

ACCUTEST Laboratories

December 30, 2009

Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403

Lab Work Order: 09-9771
Client Project ID: 008-2067

Dear Brad Stephenson:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary.

THE INVOICE WILL BE MAILED FROM OUR NEW JERSEY OFFICE UNDER SEPARATE COVER.

The enclosed data for testing performed at Accutest Laboratory (formerly Evergreen Analytical) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

Accutest will dispose of all samples 44 days from the sample receipt date. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Accutest Laboratories. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

Joseph J Egry IV/ Tiffany Pham
Quality Assurance

001

WORK ORDER Summary Evergreen Analytical, Inc. 09-9892

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 941-6156

Email To: bstephenson@oaconsulting.com

12/18/2009 3:09:27 PM

Client Project ID: Divide Creek Quartlerly

QC Level: LEVEL I

Comments Each job must have its own invoice in Anita

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-9892-01A	DCS8	Water	12/16/09 0950	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-01B	DCS8	Water	12/16/09 0950	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-01C	DCS8	Water	12/16/09 0950	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-01D	DCS8	Water	12/16/09 0950	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-02A	MW23	Water	12/16/09 0945	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-02B	MW23	Water	12/16/09 0945	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-02C	MW23	Water	12/16/09 0945	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-02D	MW23	Water	12/16/09 0945	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-03A	MW27	Water	12/16/09 1005	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-03B	MW27	Water	12/16/09 1005	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-03C	MW27	Water	12/16/09 1005	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-03D	MW27	Water	12/16/09 1005	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-04A	DCS6	Water	12/16/09 1005	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-04B	DCS6	Water	12/16/09 1005	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-04C	DCS6	Water	12/16/09 1005	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-04D	DCS6	Water	12/16/09 1005	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-05A	DCS7	Water	12/16/09 1015	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-05B	DCS7	Water	12/16/09 1015	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-05C	DCS7	Water	12/16/09 1015	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-05D	DCS7	Water	12/16/09 1015	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-06A	EICH2	Water	12/16/09 1020	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-9892

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 941-6156

Email To: bstephenson@oaconsulting.com

12/18/2009 3:09:27 PM

Client Project ID: Divide Creek Quartlerly

QC Level: LEVEL I

09-9892-06B	EICH2	Water	12/16/09 1020	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-06C	EICH2	Water	12/16/09 1020	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-06D	EICH2	Water	12/16/09 1020	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-07A	DCS5	Water	12/16/09 1030	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-07B	DCS5	Water	12/16/09 1030	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-07C	DCS5	Water	12/16/09 1030	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-07D	DCS5	Water	12/16/09 1030	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-08A	MW24	Water	12/16/09 1050	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-08B	MW24	Water	12/16/09 1050	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-08C	MW24	Water	12/16/09 1050	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-08D	MW24	Water	12/16/09 1050	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-09A	DCS4	Water	12/16/09 1040	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-09B	DCS4	Water	12/16/09 1040	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-09C	DCS4	Water	12/16/09 1040	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-09D	DCS4	Water	12/16/09 1040	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-10A	DCS1	Water	12/16/09 1055	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-10B	DCS1	Water	12/16/09 1055	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-10C	DCS1	Water	12/16/09 1055	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-10D	DCS1	Water	12/16/09 1055	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-11A	DCS3	Water	12/16/09 1120	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-11B	DCS3	Water	12/16/09 1120	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-11C	DCS3	Water	12/16/09 1120	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-11D	DCS3	Water	12/16/09 1120	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-9892

Rpt To: Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403
(303) 941-6156

Email To: bstephenson@oaconsulting.com

12/18/2009 3:09:27 PM

Client Project ID: Divide Creek Quartlerly

QC Level: LEVEL I

09-9892-12A	DCS2	Water	12/16/09 1135	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-12B	DCS2	Water	12/16/09 1135	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-12C	DCS2	Water	12/16/09 1135	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-12D	DCS2	Water	12/16/09 1135	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-13A	MW26	Water	12/16/09 1125	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-13B	MW26	Water	12/16/09 1125	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-13C	MW26	Water	12/16/09 1125	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-13D	MW26	Water	12/16/09 1125	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-14A	MW26D	Water	12/16/09 1125	12/18/09	8021_W *	8021: BTEX	☐	☐	1/05/10	12/23/09
09-9892-14B	MW26D	Water	12/16/09 1125	12/18/09	MEEP_W *	RSK175M: Methane	☐	☐	1/05/10	12/23/09
09-9892-14C	MW26D	Water	12/16/09 1125	12/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	1/05/10	12/18/09
09-9892-14D	MW26D	Water	12/16/09 1125	12/18/09	200.7_D *	200.7: Dissolved Metals	☐	☐	1/05/10	6/14/10
09-9892-15A	Trip Blank	Trip Blank	12/16/09 0000	12/18/09	8021_W *	8021: BTEX	☑	☐	1/05/10	12/30/09

Definitions: * - Test Code has a Select List

004

CHAIN OF CUSTODY

PAGE 1 OF 2

ACCUTEST Laboratories

4036 Youngfield Street, Wheat Ridge, Colorado 80033
TEL. 303-425-6021; 877-737-4521 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job #

Client / Reporting Information

Company Name: Olsson Associates
Street Address: 826 21 1/2 Rd
City: GJ State: CO Zip: 81505
Project Contact: Brad Stephenson E-mail: bstephenson@olssonassociates.com
Phone #: 970-263-7800 Fax #:
Sampler(s) Name(s): Stuart Hall / Jess Venn Phone #:

Project Information

Project Name: Divide Creek Quarterly
Street:
City: State:
Project #: 008-2067
Client Purchase Order #:
Project Manager: Stephenson

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank EB; Equipment Blank RB; Rinse Blank TB; Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	8021 BTEX	Dissolved Methane	Chloride	200.7 Dissolved Na		LAB USE ONLY
	DCS8		12/16/09	950															01	
	MW23			945															02	
	MW27			1005															03	
	DCS6			1005															04	
	DCS7			1015															05	
	EICH2			1020															06	
	DCS5			1030															07	
	MW24			1050															08	
	DCS4			1040															09	
	DCS1			1055															10	
	DCS3			1120															11	
	DCS2			1135															12	

WO# 09-9892 BO# 33135
C/SO) 1 2 1 1
C/S(I) 1920 1928 1 1
Temp 3.0 °C Ice Y / N
Seals: Y / N Samples Pres. Y / N / NA
Hd Sp: Y / N / NA By

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] UST Analysis 3-5 Days
- [ ] 6 - 9 Day *RUSH*
- [ ] 3 - 5 Day *RUSH*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Level 1 Results Only
- [ ] Level 2 Results, QC Summary, Case Narrative
- [ ] Level 3 Results, QC Summary, Case Narrative, Partial Raw Data
- [ ] Level 4 Full Deliverable
- [ ] PDF [ ] EDD Format
- [ ] Other

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		12/16/09 1700	1			2
3	Relinquished by Sampler:	Date Time:	Received By: 12-18-09 13:50	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp.

005

CHAIN OF CUSTODY

ACCUTEST Laboratories
4036 Youngfield Street, Wheat Ridge, Colorado 80033
TEL. 303-425-6021; 877-737-4521 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job #

Client / Reporting Information

Company Name: Same as Page 1
Street Address:
City: State: Zip:
Project Contact: E-mail:
Phone #: Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name:
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank EB
Equipment Blank RB-
Rinse Blank TB-
Trip Blank

09-9892

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	8021 BTEX	Dissolved Methane	Chloride	200.7 Dissolved Na					LAB USE ONLY
	MW26		12/16/09	1125																			13
	MW26D		"	1125																			14

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ UST Analysis 3-5 Days
- ☐ 6 - 9 Day *RUSH*
- ☐ 3 - 5 Day *RUSH*
- ☐ 2 Day *EMERGENCY*
- ☐ 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Level 1 Results Only
- ☐ Level 2 Results, QC Summary, Case Narrative
- ☐ Level 3 Results, QC Summary, Case Narrative, Partial Raw Data
- ☐ Level 4 Full Deliverable
- ☐ PDF ☐ EDD Format
- ☐ Other

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time:	Received By: 1	Relinquished By: 2	Date Time:	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not intact	Preserved where applicable ☐ / On Ice ☐ / Cooler Temp.

Evergreen Analytical, Inc.

Date: *04-Jan-10*

Lab Order: 09-9892
Client Project ID Divide Creek Quartlerly

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.
The temperature of the sample(s) upon arrival was 3.0°C.
Sample(s) were received in good condition, in the proper container, and within holding times.
VOC sample(s) were marked as preserved on the bottle labels.
VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE (QA)

Analyses performed on samples in this work order by EAL meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. TP

CLIENT SERVICES

The samples were logged in per the quote. There are no other anomalies to report. AE/JE

GENERAL CHEMISTRY

There are no anomalies to report. TP

METALS ANALYSIS

There are no anomalies to report. SS

GAS CHROMATOGRAPHY

Method 8021_W: There are no anomalies to report. SD

Method RSK175: The Methane %RPD for the matrix spike and matrix spike duplicate (MS/MSD; on the client's sample) recoveries is above the QC limits, but the spiked recoveries are within QC limits. There are no other anomalies to report. AS/TP

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: DCS8
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-01A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/20/2009
Lab File ID: TA4013.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	103	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

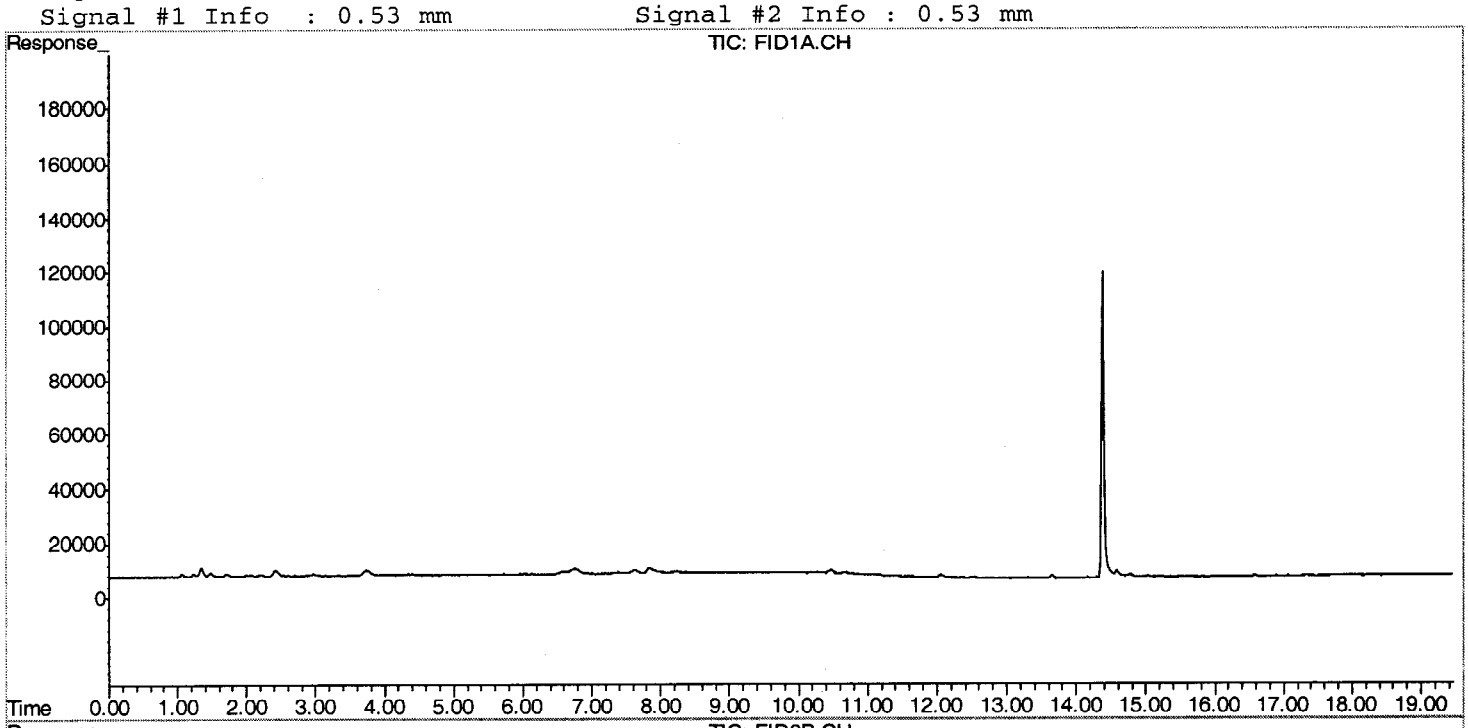
Print Date: 12/21/2009

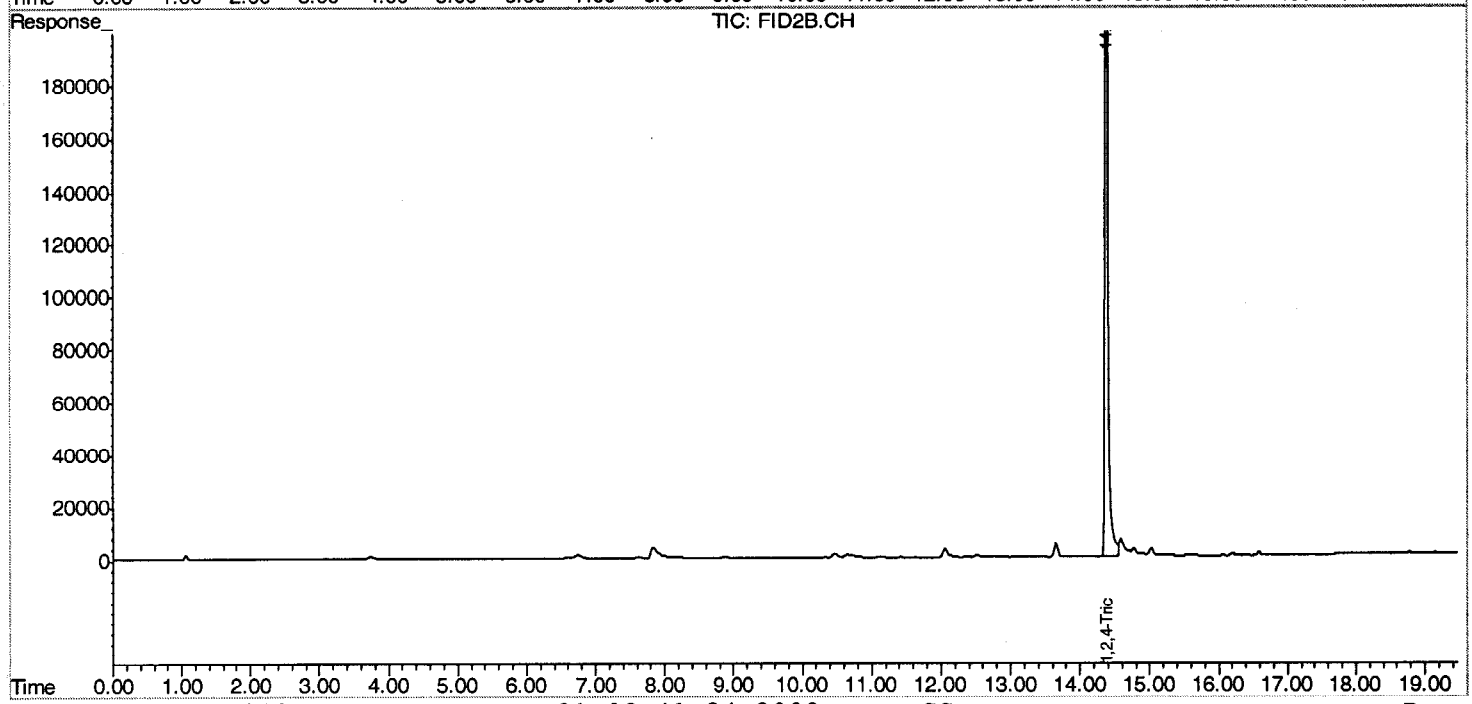
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4013.D\FID1A.CH Vial: 4
Signal #2 : Z:\122009\TA4013.D\FID2B.CH
Acq On : 20 Dec 2009 4:21 pm Operator: laurac
Sample : 09-9892-01A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:36 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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Client Sample ID: MW23
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-02A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/20/2009
Lab File ID: TA4016.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	106	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

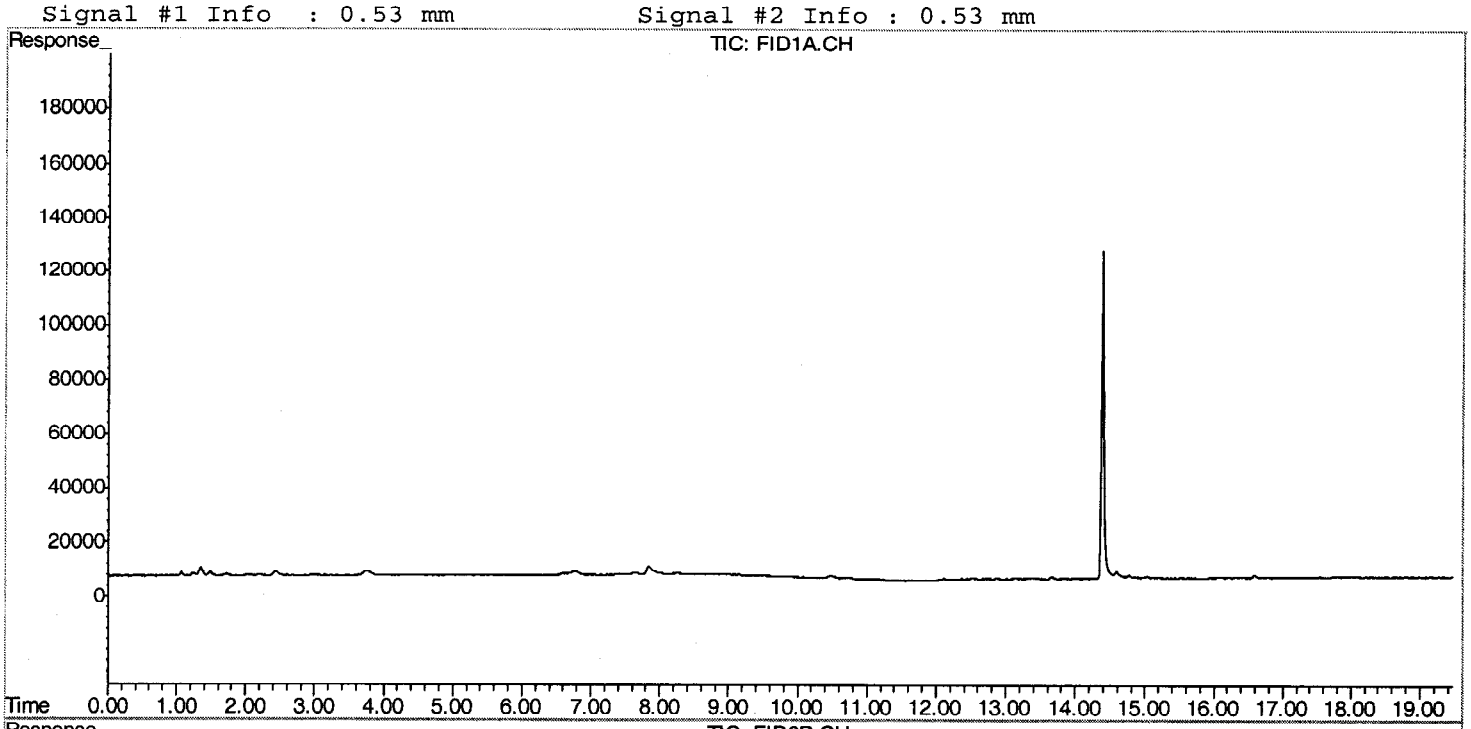
Print Date: 12/21/2009

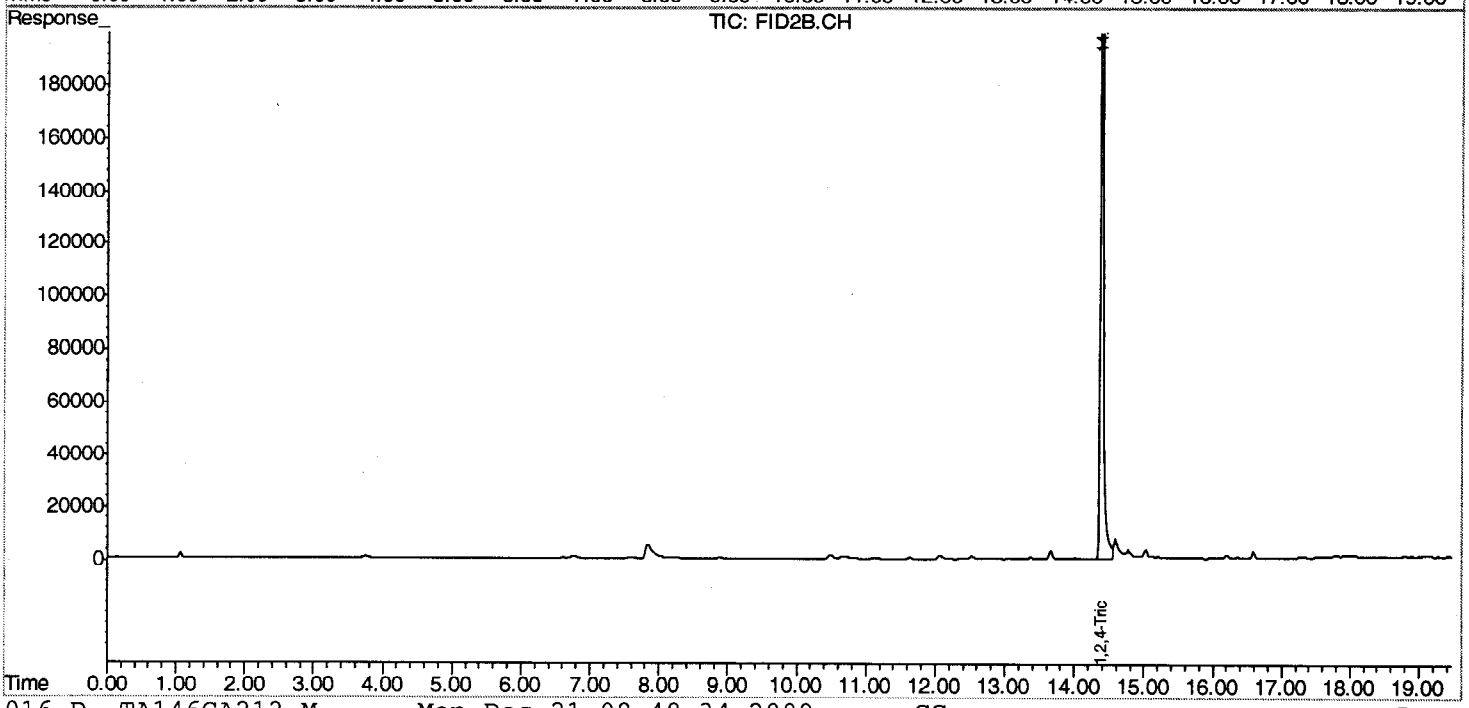
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4016.D\FID1A.CH Vial: 7
Signal #2 : Z:\122009\TA4016.D\FID2B.CH
Acq On : 20 Dec 2009 6:06 pm Operator: laurac
Sample : 09-9892-02A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:43 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID:	MW27	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-03A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4017.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/20/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	105	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

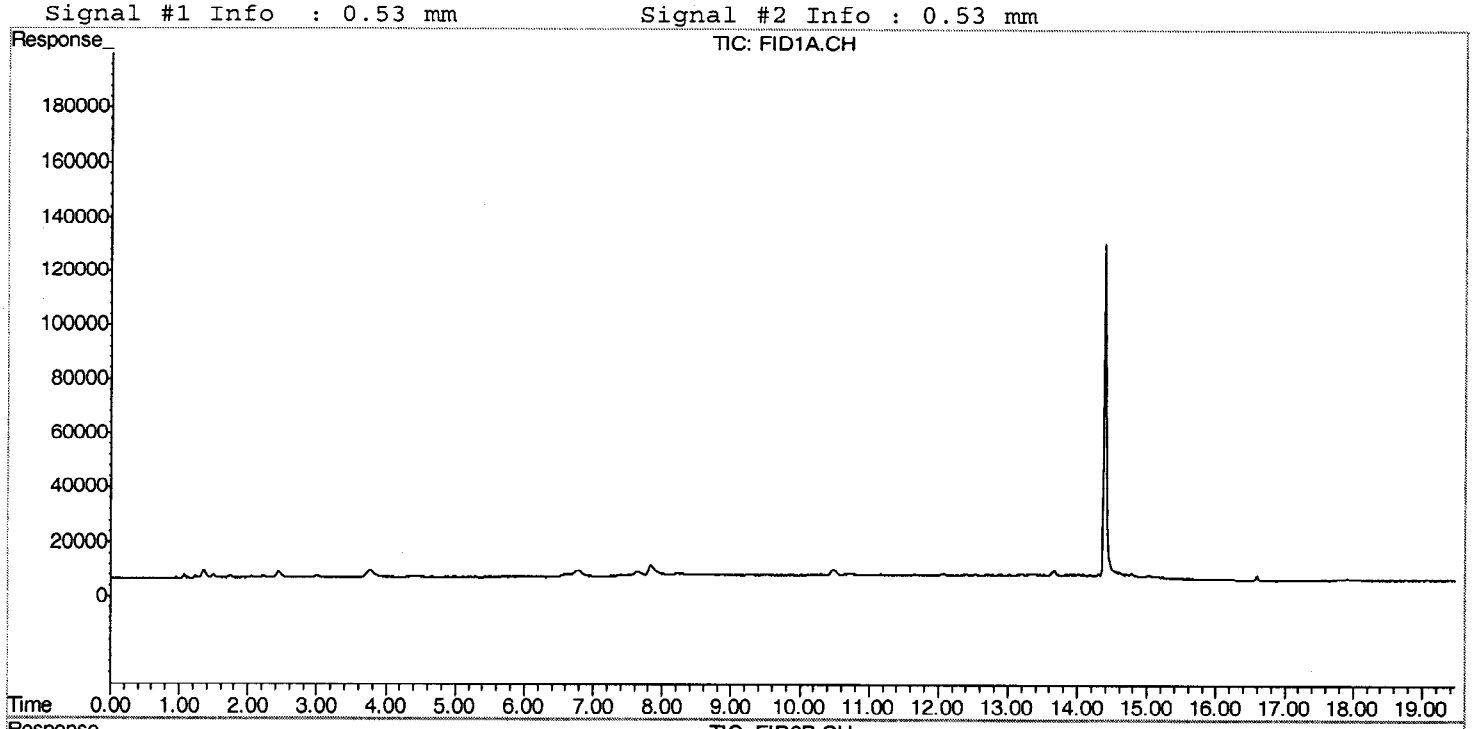
Print Date: 12/21/2009

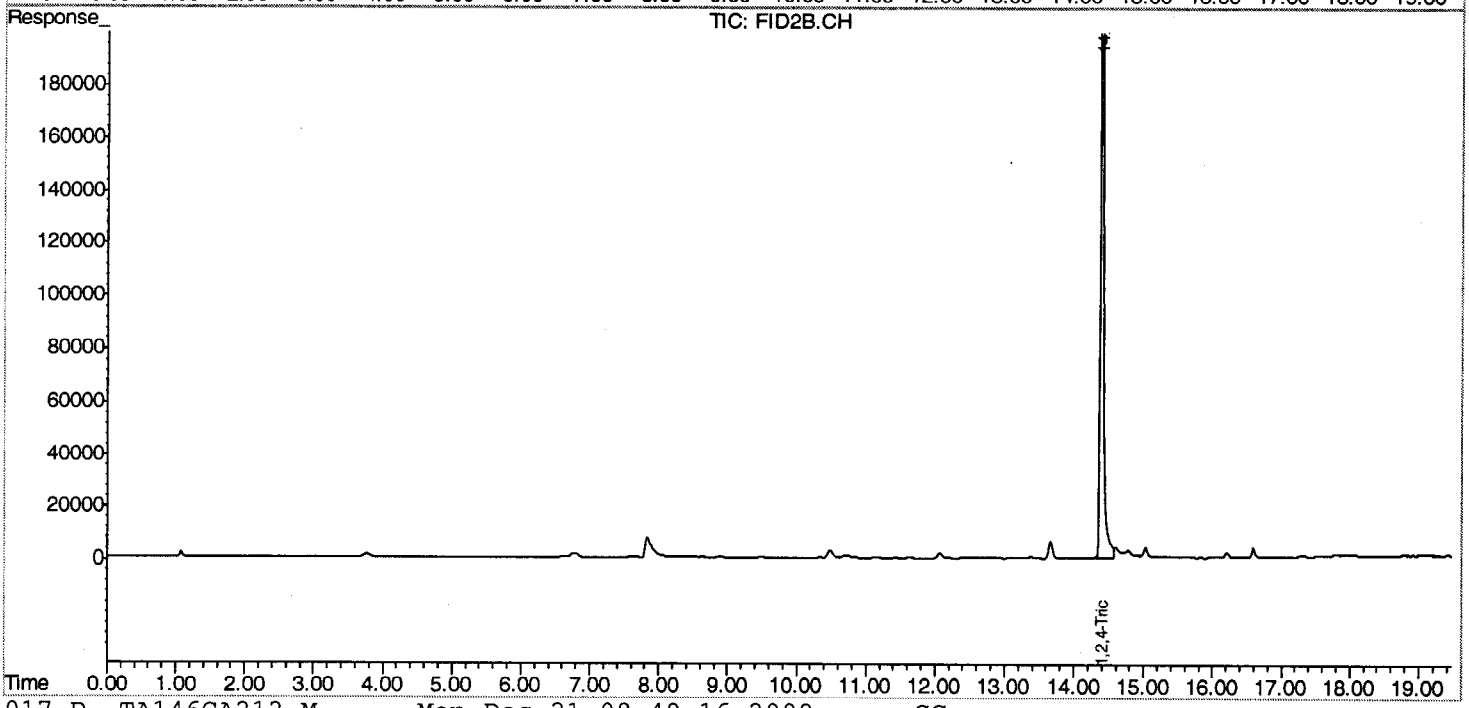
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4017.D\FID1A.CH Vial: 8
Signal #2 : Z:\122009\TA4017.D\FID2B.CH
Acq On : 20 Dec 2009 6:41 pm Operator: laurac
Sample : 09-9892-03A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:44 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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Client Sample ID:	DCS6	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-04A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4018.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/20/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	104	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/21/2009

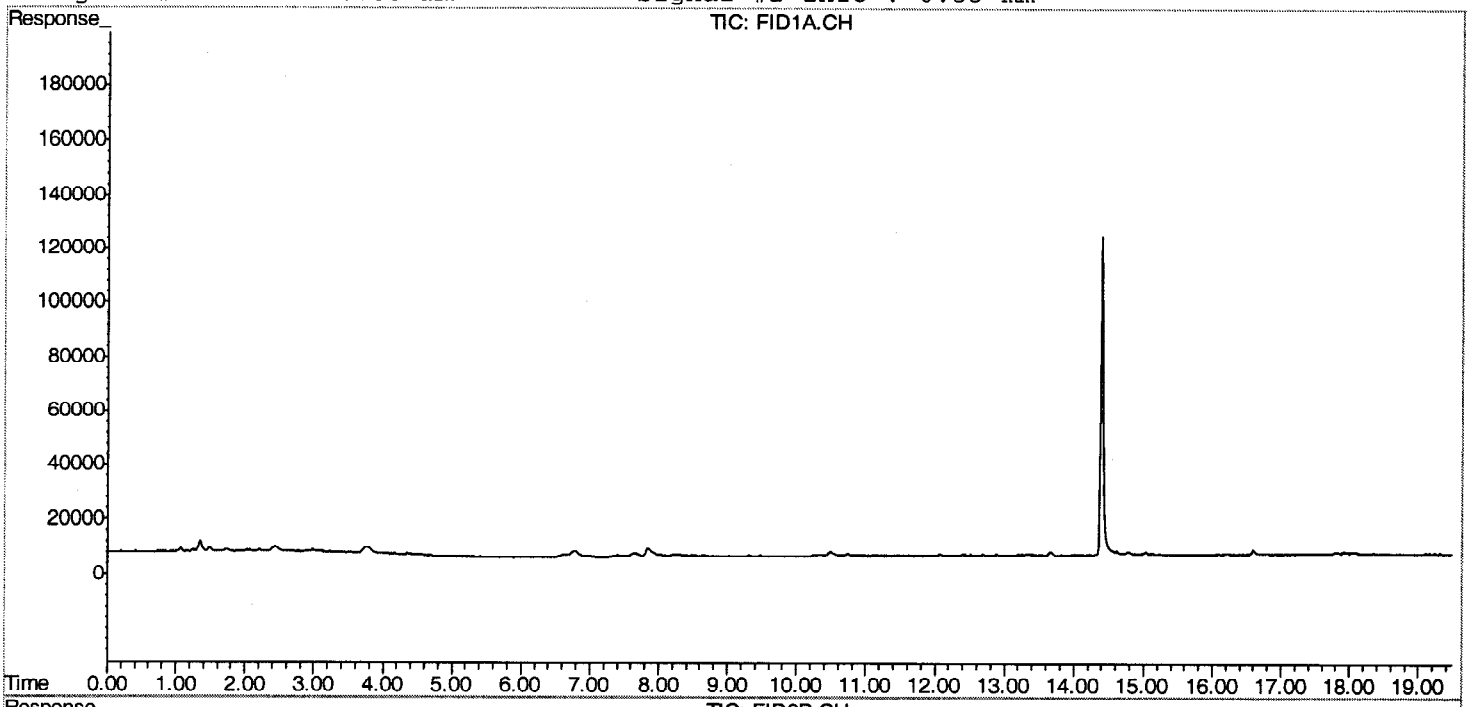
Quantitation Report (QT Reviewed)

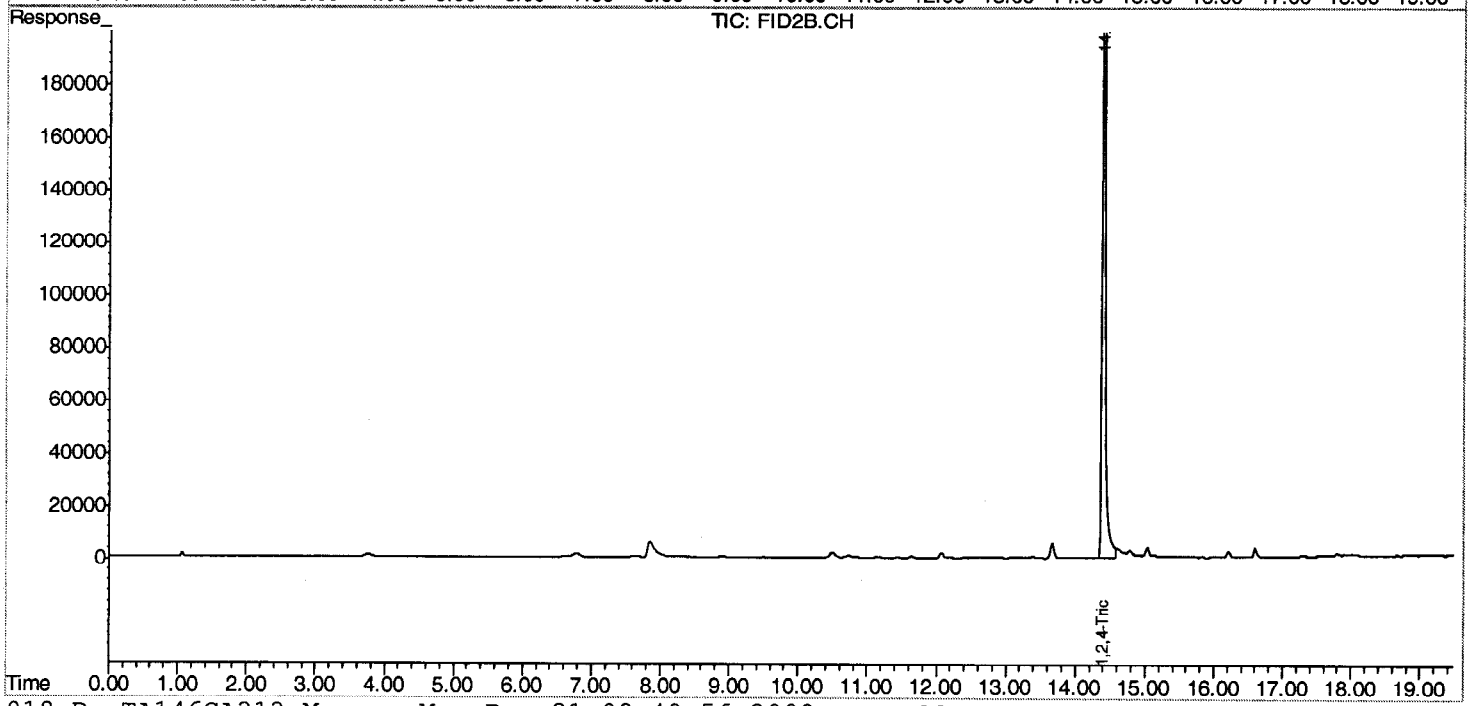
Data Path : Z:\122009\

Data File : TA4018.D
Signal #1 : Z:\122009\TA4018.D\FID1A.CH Vial: 9
Signal #2 : Z:\122009\TA4018.D\FID2B.CH
Acq On : 20 Dec 2009 7:17 pm Operator: laurac
Sample : 09-9892-04A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:45 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID: DCS7
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-05A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/20/2009
Lab File ID: TA4019.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	106	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/21/2009

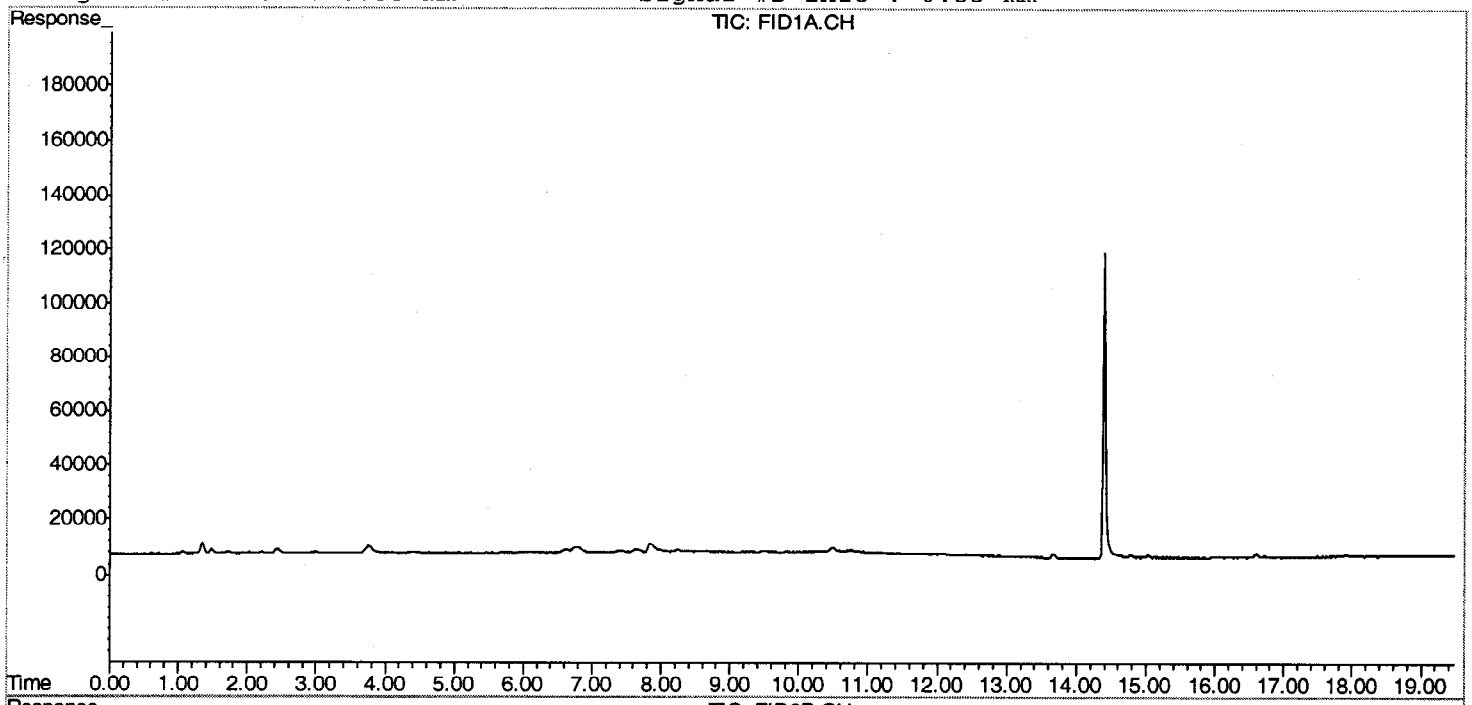
Quantitation Report (QT Reviewed)

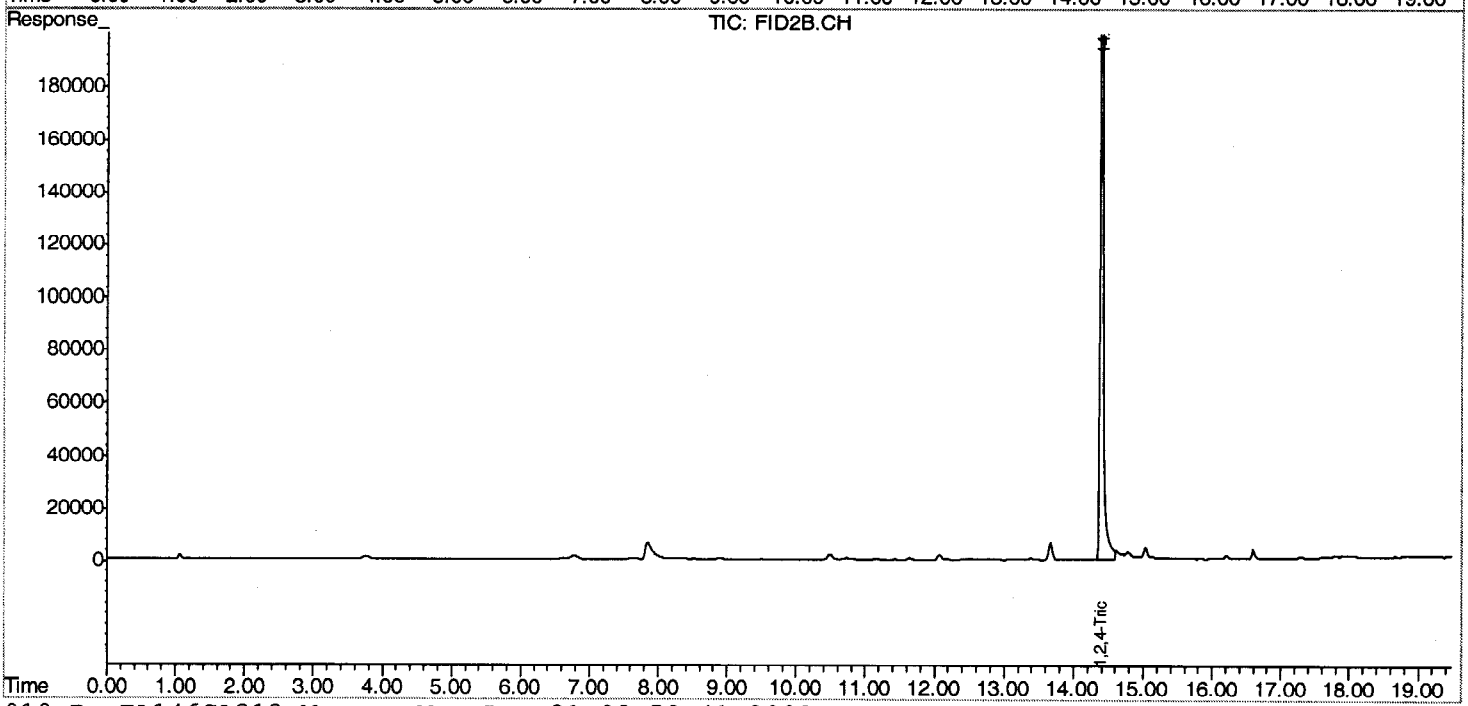
Data Path : Z:\122009\TA4019.D\

Signal #1 : Z:\122009\TA4019.D\FID1A.CH Vial: 10
Signal #2 : Z:\122009\TA4019.D\FID2B.CH
Acq On : 20 Dec 2009 7:52 pm Operator: laurac
Sample : 09-9892-05A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:45 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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Client Sample ID: EICH2
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-06A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/20/2009
Lab File ID: TA4020.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	102	QC Limits:	60-140	%REC

SD
Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

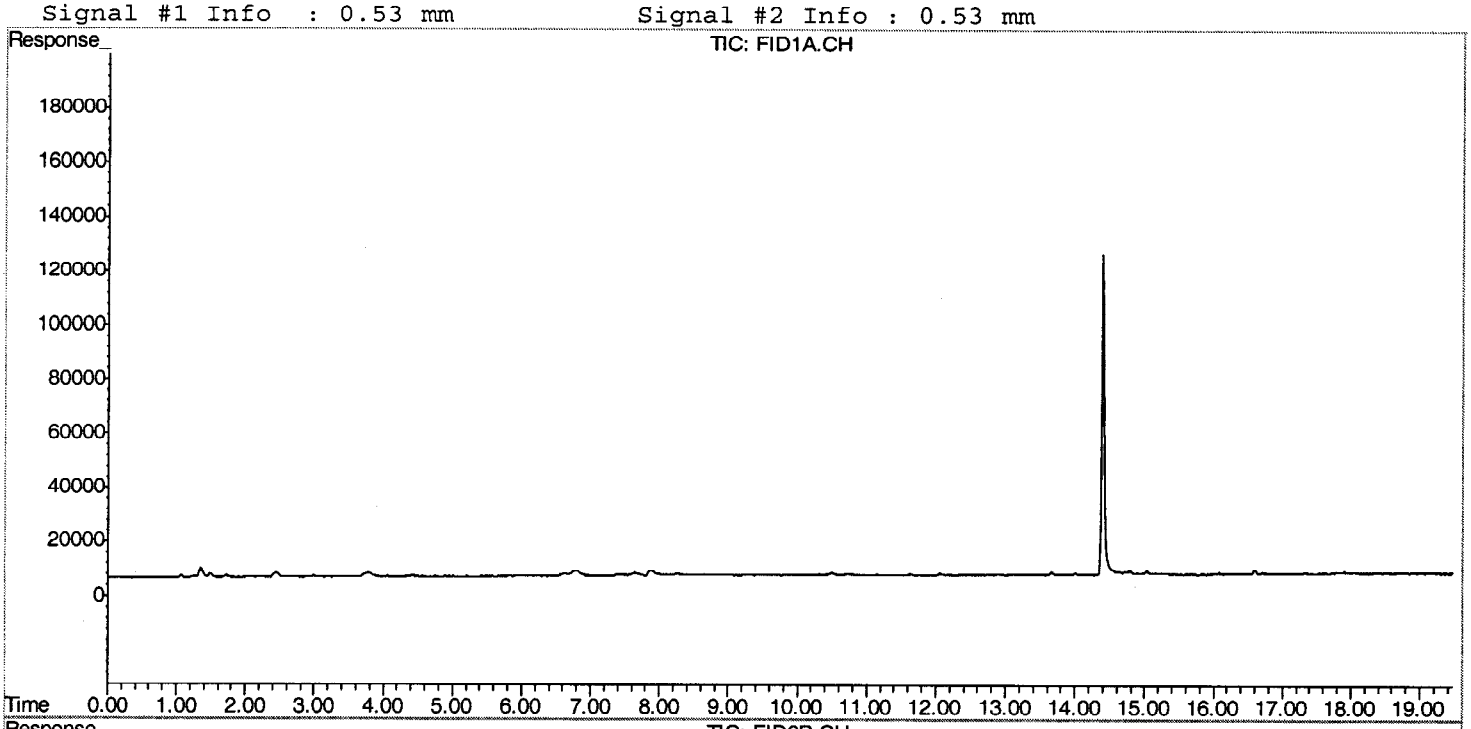
Print Date: 12/21/2009

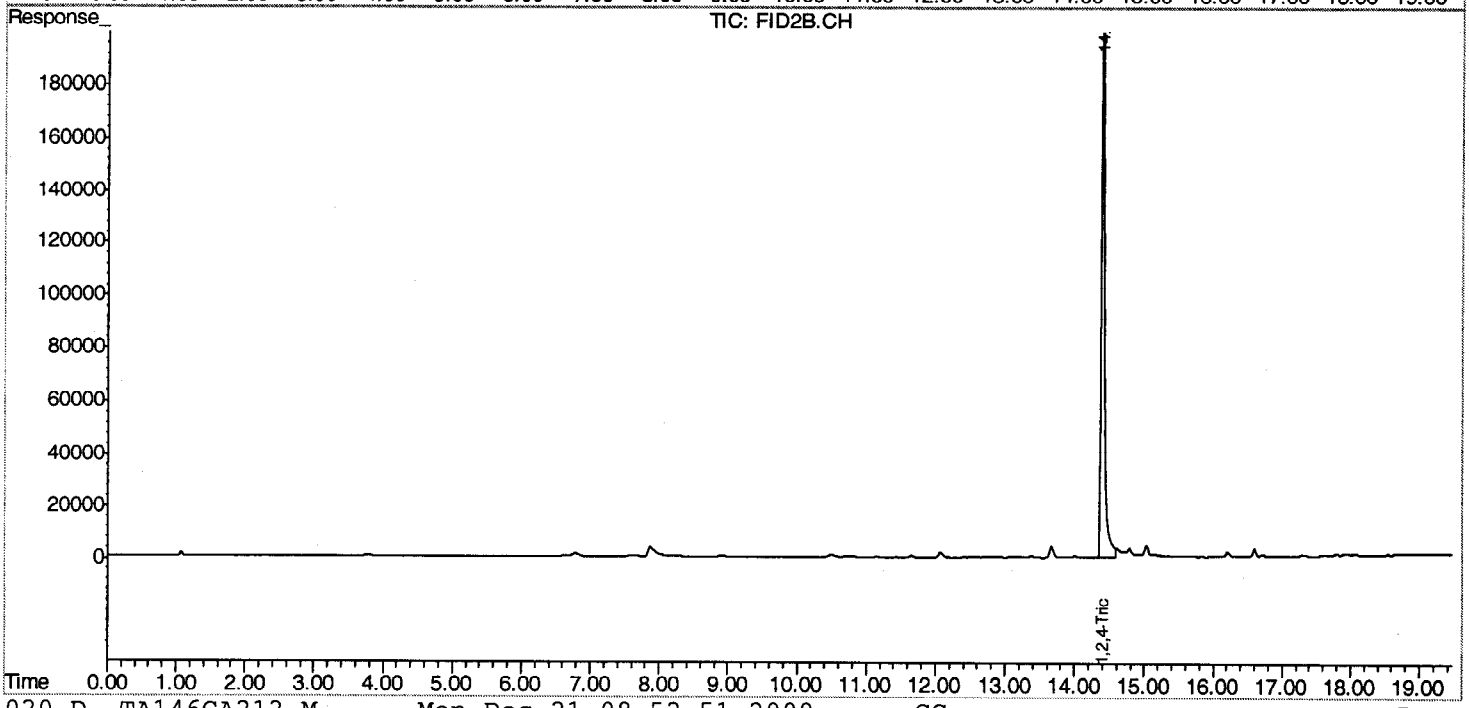
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4020.D\FID1A.CH Vial: 11
Signal #2 : Z:\122009\TA4020.D\FID2B.CH
Acq On : 20 Dec 2009 8:27 pm Operator: laurac
Sample : 09-9892-06A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:46 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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Client Sample ID:	DCS5	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-07A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4021.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/20/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	107	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

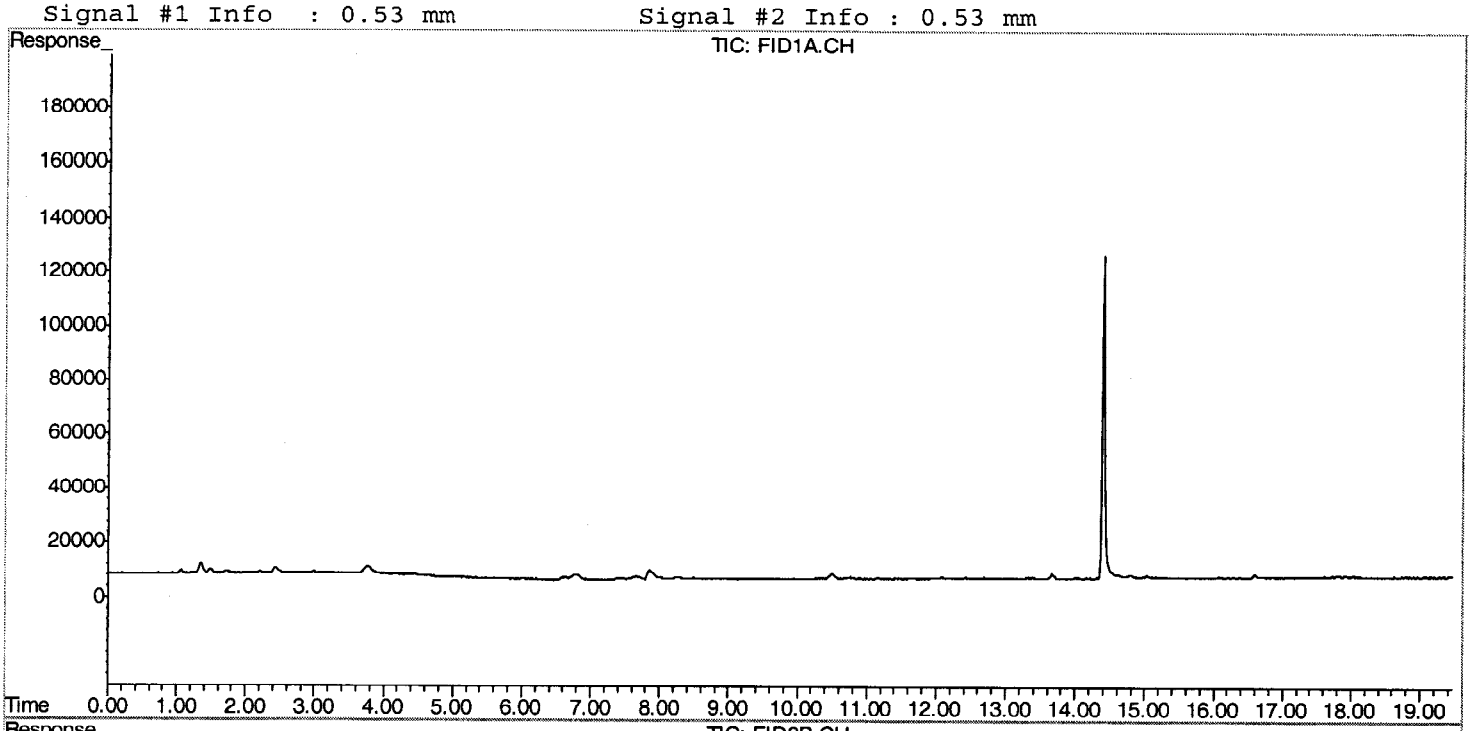
Print Date: 12/21/2009

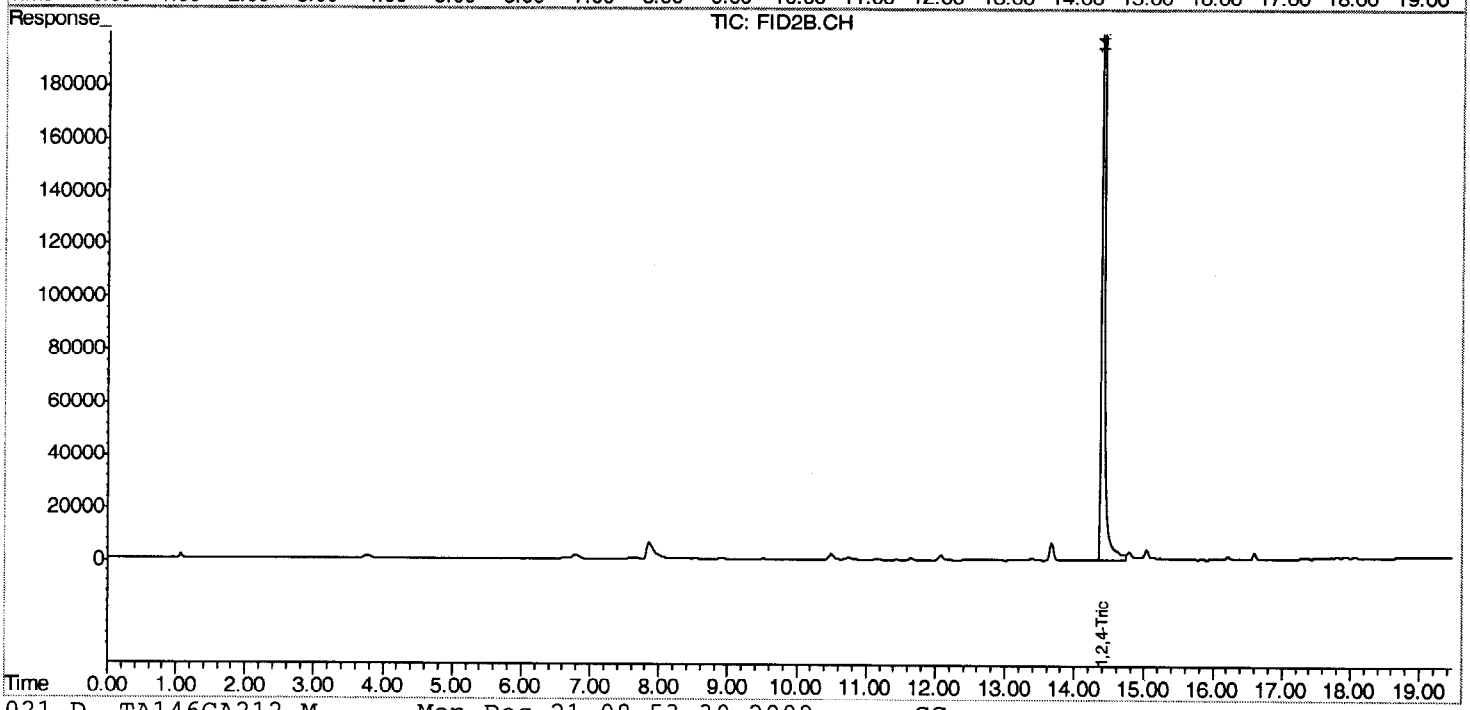
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4021.D\FID1A.CH Vial: 12
Signal #2 : Z:\122009\TA4021.D\FID2B.CH
Acq On : 20 Dec 2009 9:02 pm Operator: laurac
Sample : 09-9892-07A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:48 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID:	MW24	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-08A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4022.D\FID1A.CH **Dilution Factor:** 1
Date Analyzed: 12/20/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	106	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

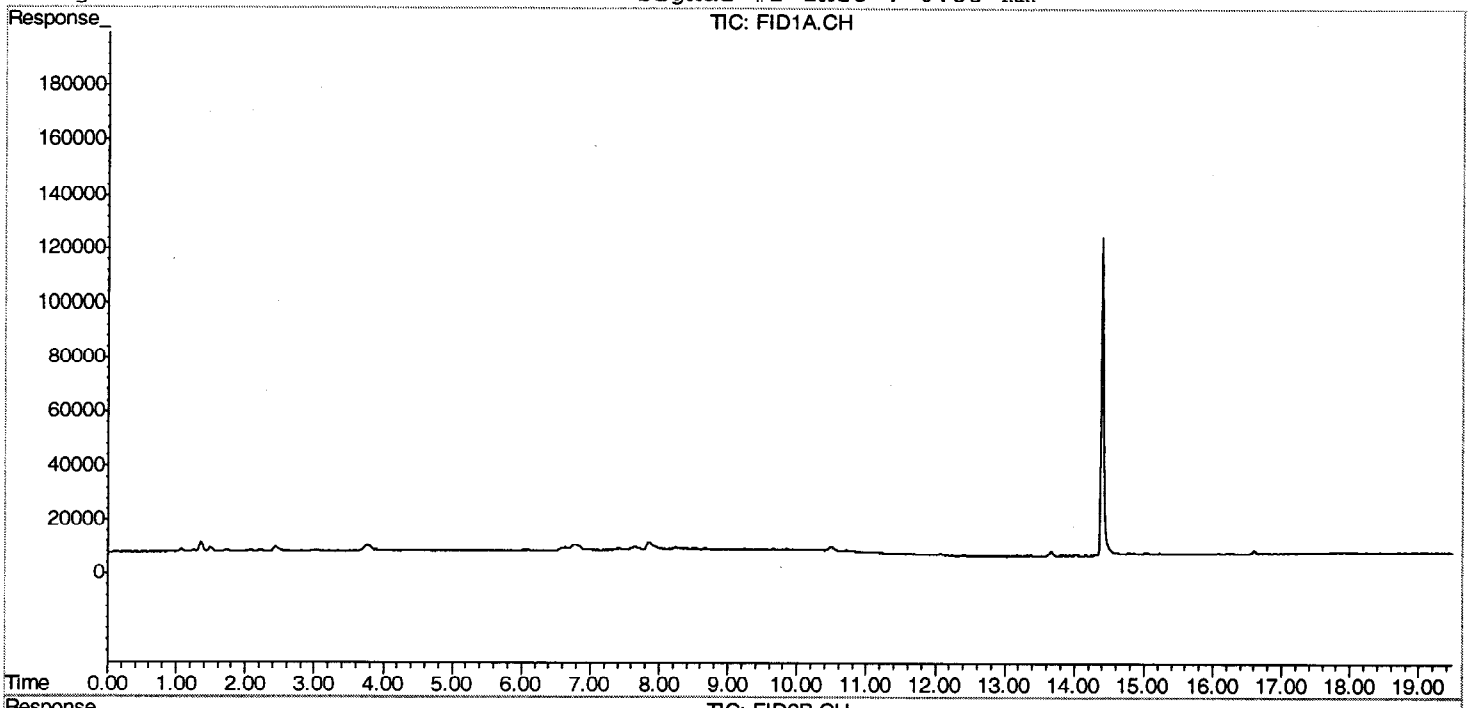
Print Date: 12/21/2009

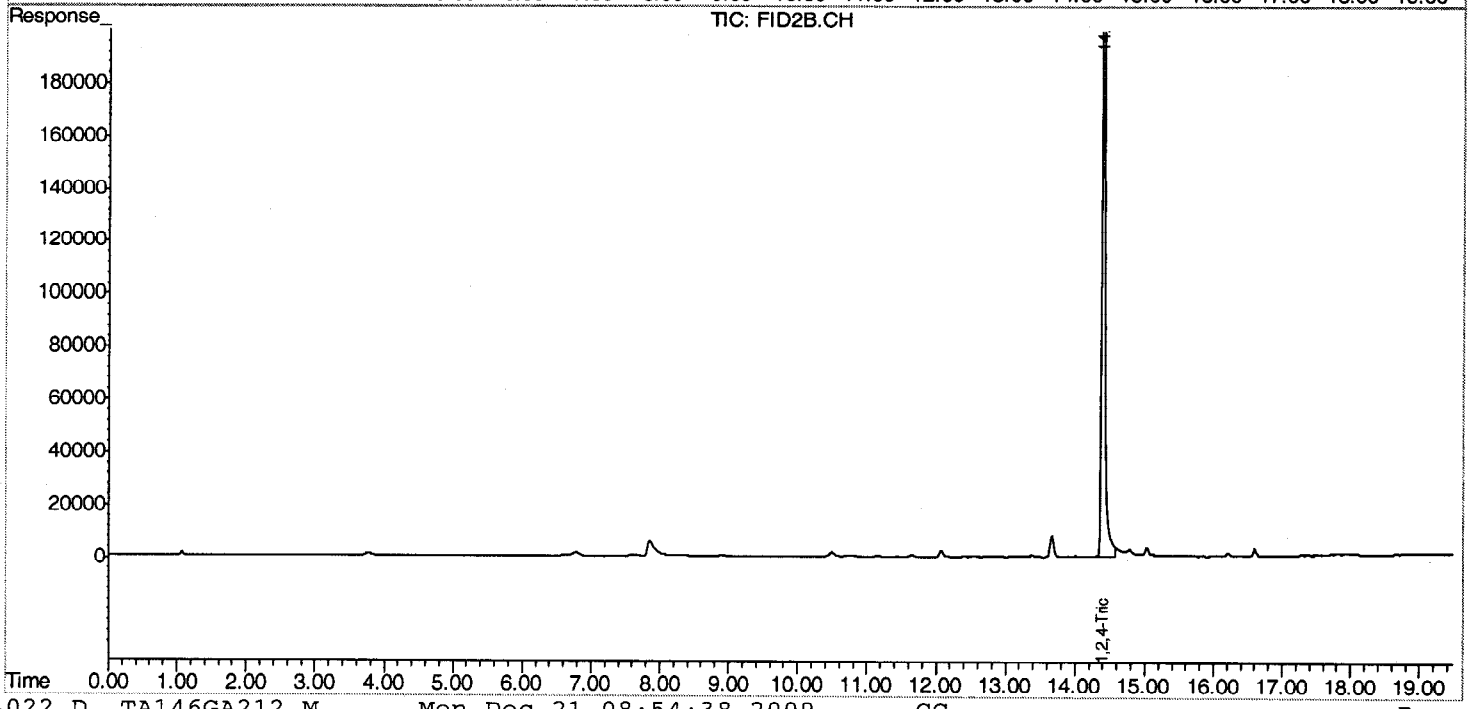
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4022.D\FID1A.CH Vial: 13
Signal #2 : Z:\122009\TA4022.D\FID2B.CH
Acq On : 20 Dec 2009 9:37 pm Operator: laurac
Sample : 09-9892-08A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 8:49 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: DCS4
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-09A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/20/2009
Lab File ID: TA4023.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	107	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/21/2009

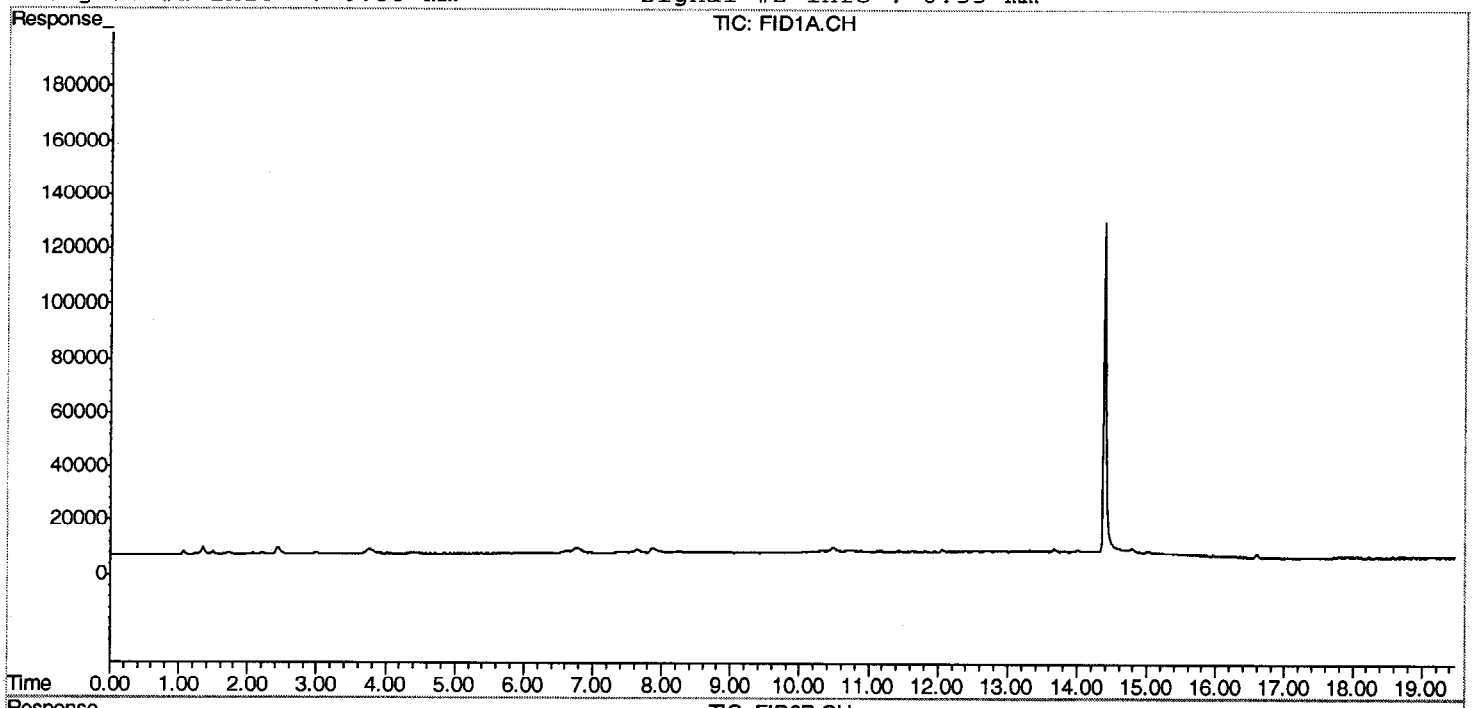
Quantitation Report (QT Reviewed)

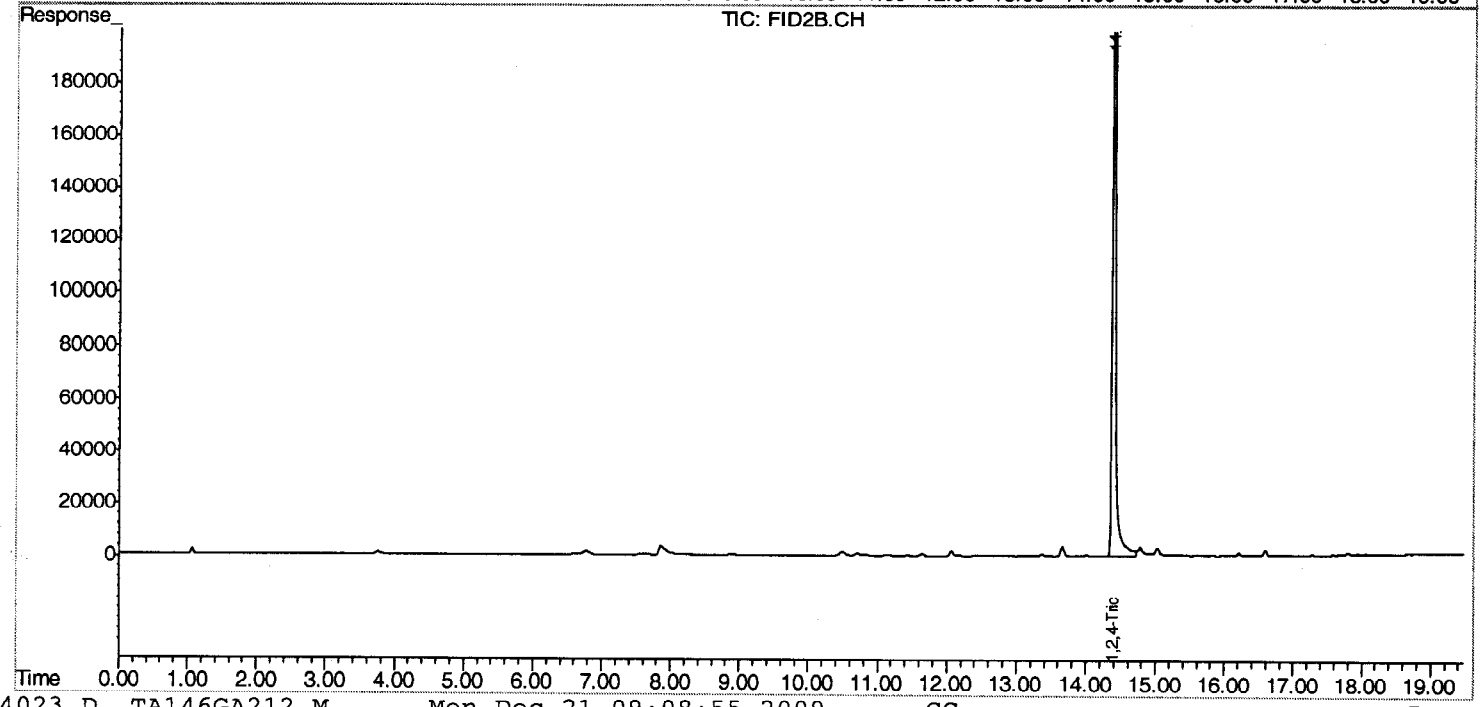
Data Path : Z:\122009\

Data File : TA4023.D
Signal #1 : Z:\122009\TA4023.D\FID1A.CH Vial: 14
Signal #2 : Z:\122009\TA4023.D\FID2B.CH
Acq On : 20 Dec 2009 10:13 pm Operator: laurac
Sample : 09-9892-09A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:03 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





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Client Sample ID:	DCS1	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-10A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4024.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/20/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	104	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

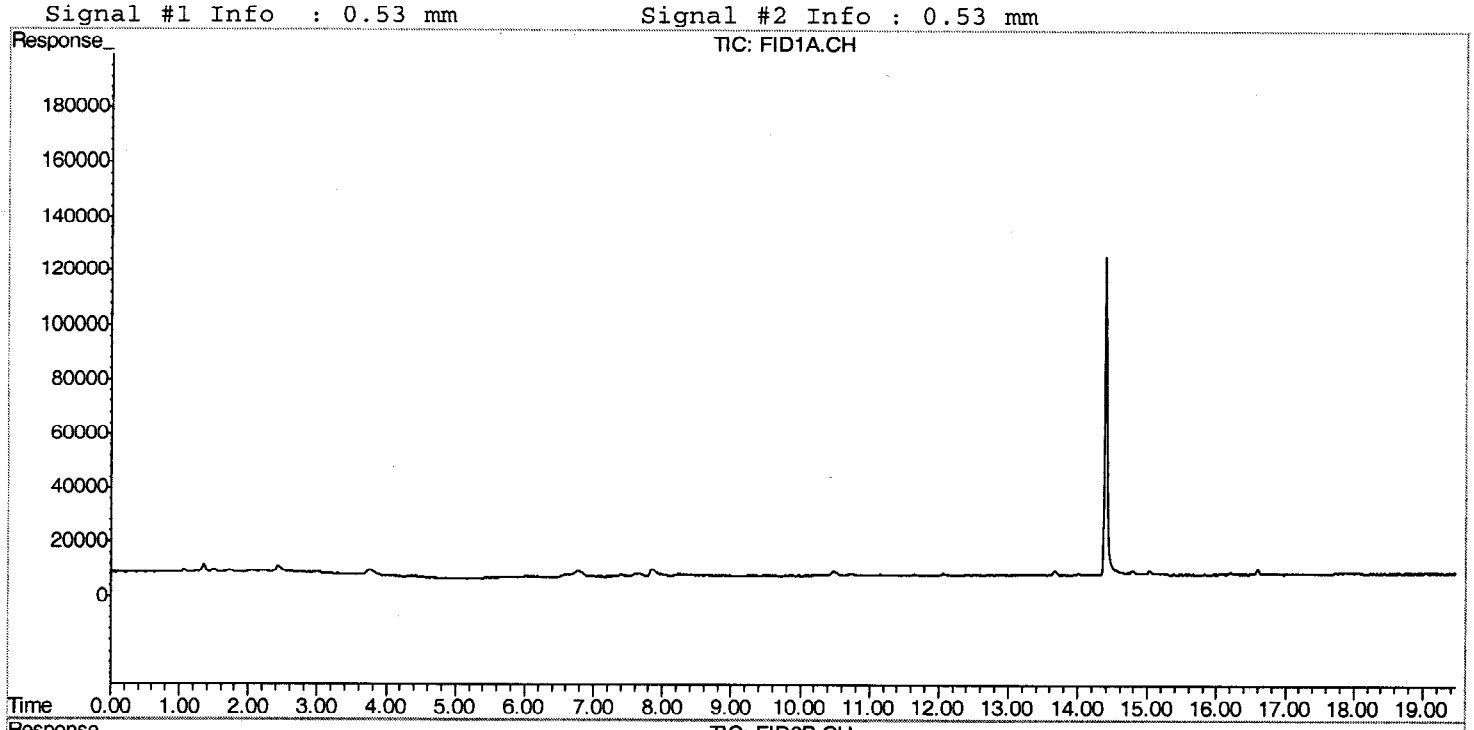
Print Date: 12/21/2009

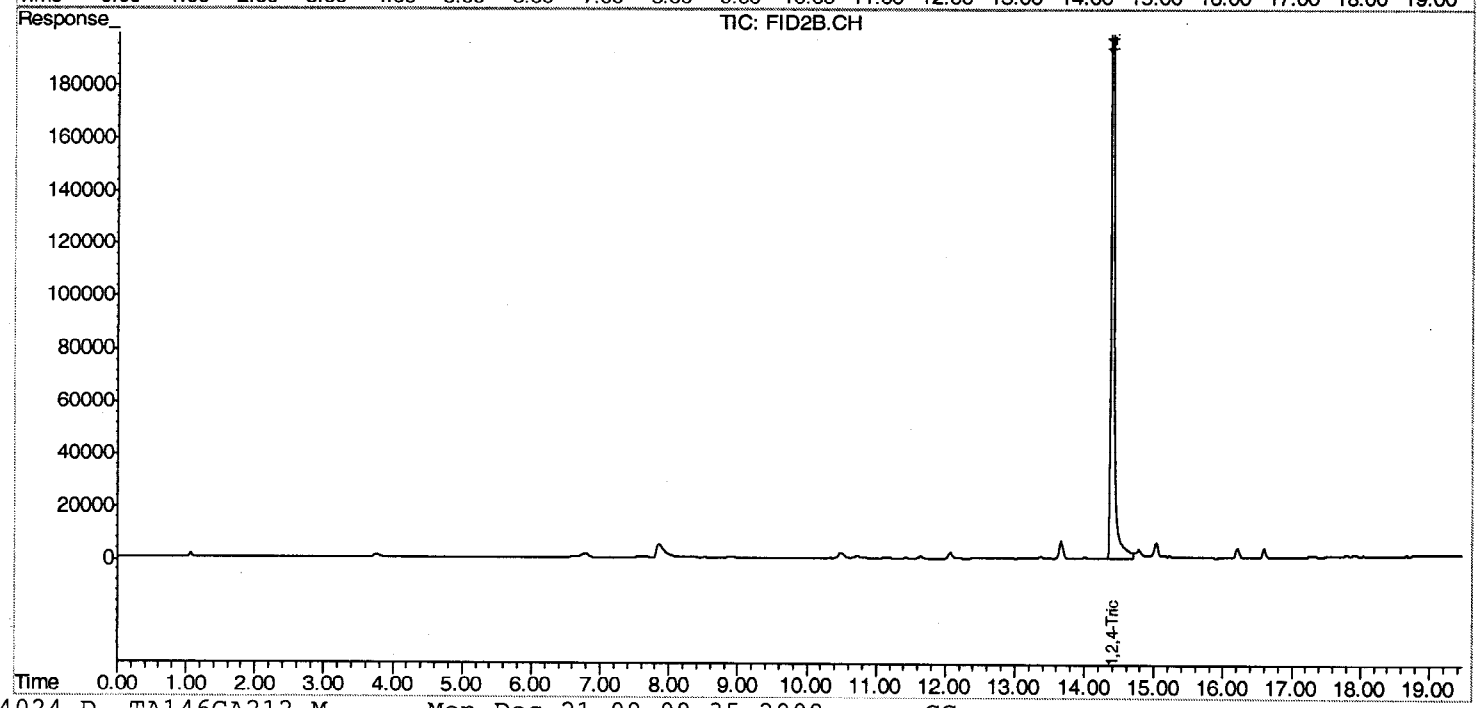
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4024.D\FID1A.CH Vial: 15
Signal #2 : Z:\122009\TA4024.D\FID2B.CH
Acq On : 20 Dec 2009 10:48 pm Operator: laurac
Sample : 09-9892-10A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:04 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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(303) 425-6021

Client Sample ID:	DCS3	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-11A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4026.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/20/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	101	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

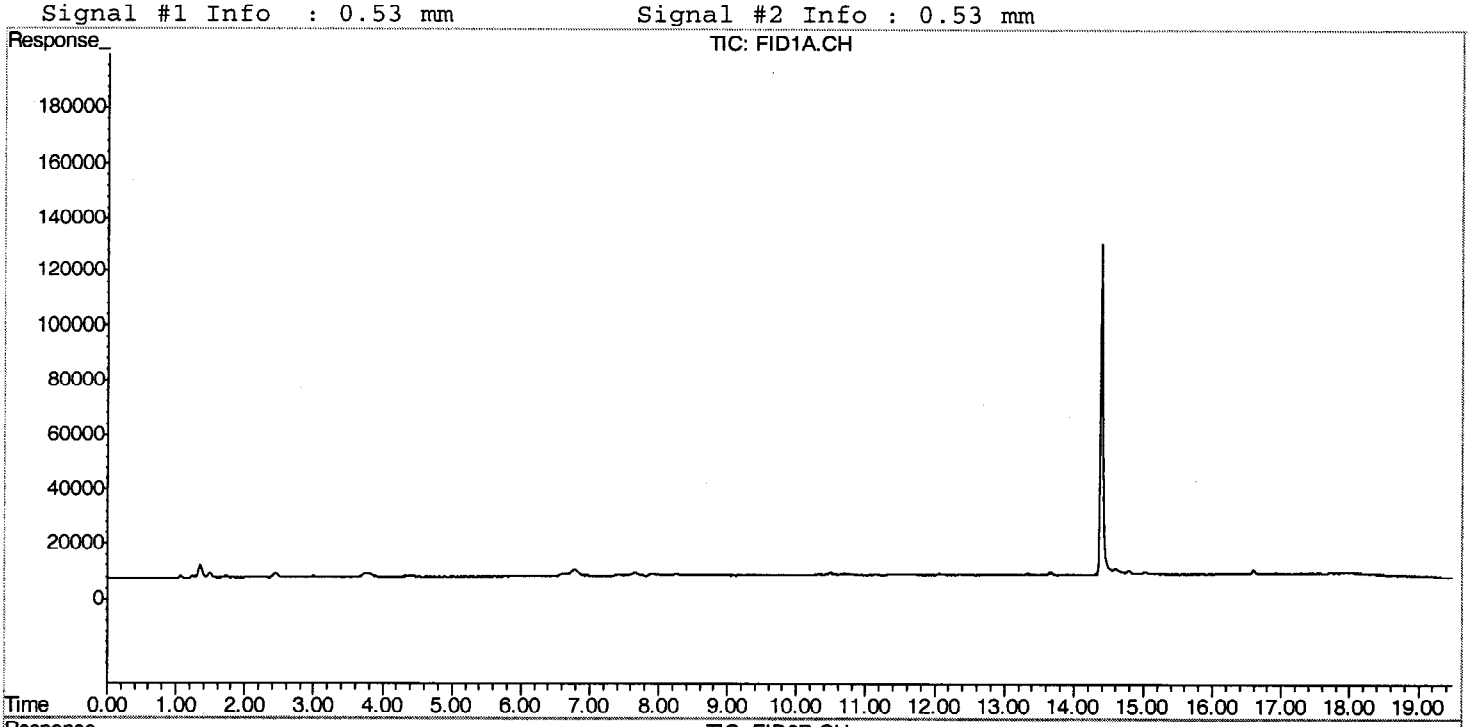
Print Date: 12/21/2009

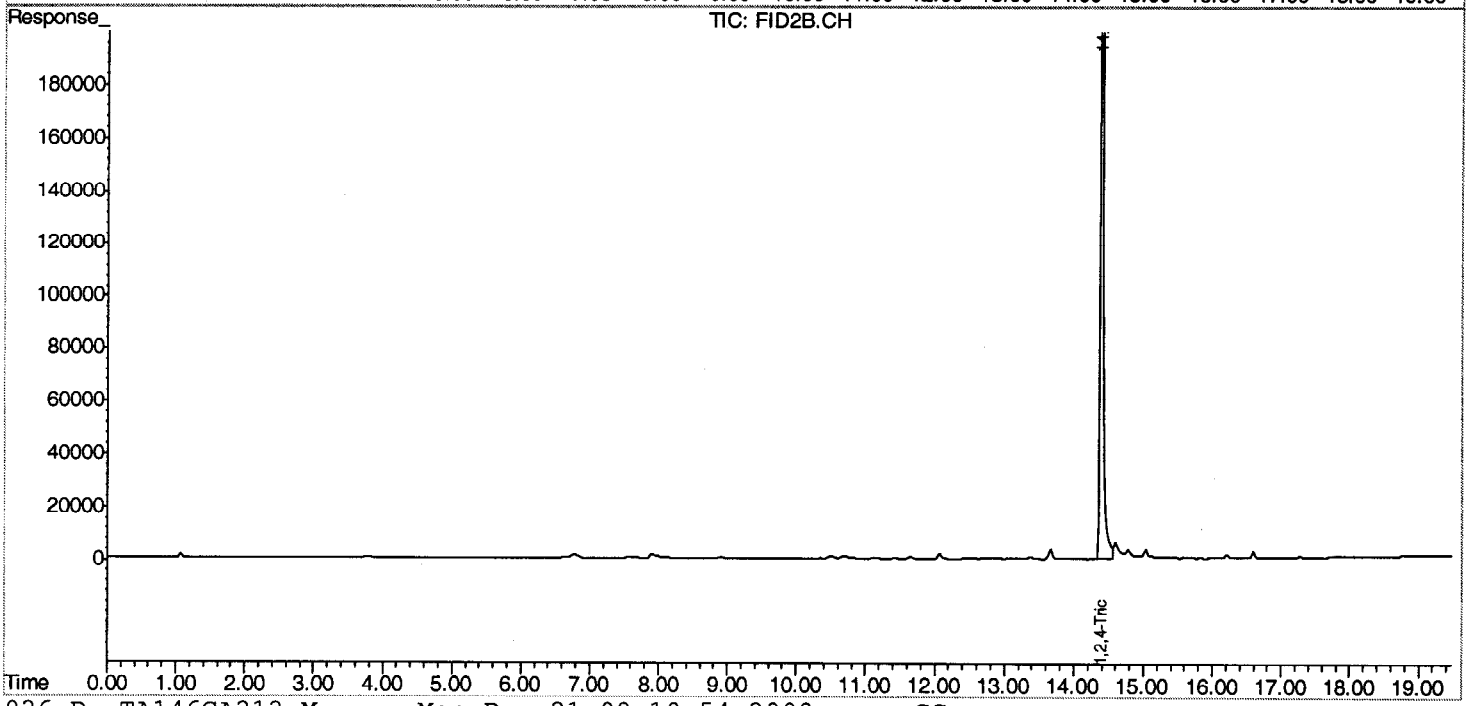
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4026.D\FID1A.CH Vial: 17
Signal #2 : Z:\122009\TA4026.D\FID2B.CH
Acq On : 20 Dec 2009 11:58 pm Operator: laurac
Sample : 09-9892-11A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:06 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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(303) 425-6021

Client Sample ID: DCS2
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-12A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/21/2009
Lab File ID: TA4027.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	104	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

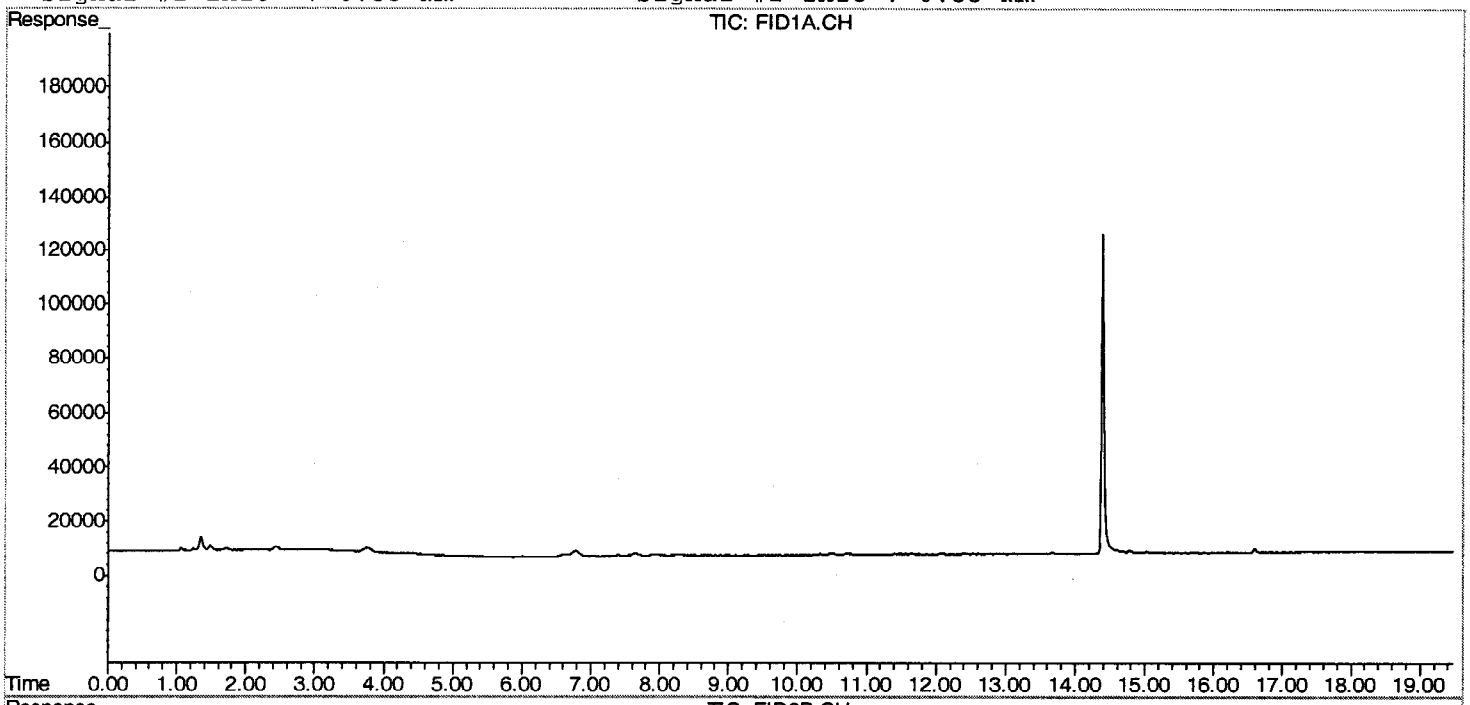
Print Date: 12/21/2009

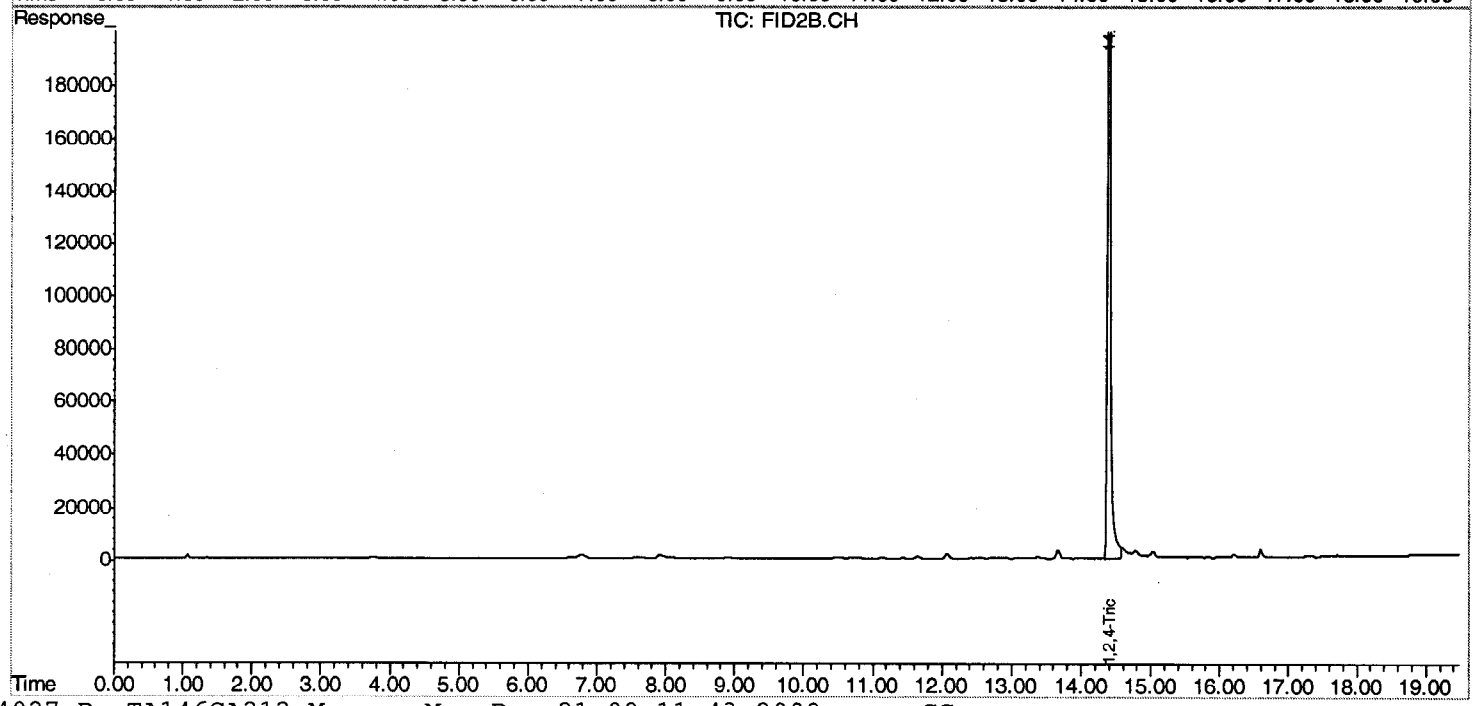
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4027.D\FID1A.CH Vial: 18
Signal #2 : Z:\122009\TA4027.D\FID2B.CH
Acq On : 21 Dec 2009 12:33 am Operator: laurac
Sample : 09-9892-12A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:06 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

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(303) 425-6021

Client Sample ID:	MW26	**Lab Work Order:**	09-9892
Client Project ID:	Divide Creek Quartlerly	**Lab Sample ID:**	09-9892-13A
Date Collected:	12/16/2009	**Sample Matrix:**	Water
Date Received:	12/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009 **Lab File ID:** TA4028.D\FID1A.CH **Dilution Factor:** 1

Date Analyzed: 12/21/2009 **Method Blank:** MB2122009

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	101	**QC Limits:**	60-140	%REC

Analyst **Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

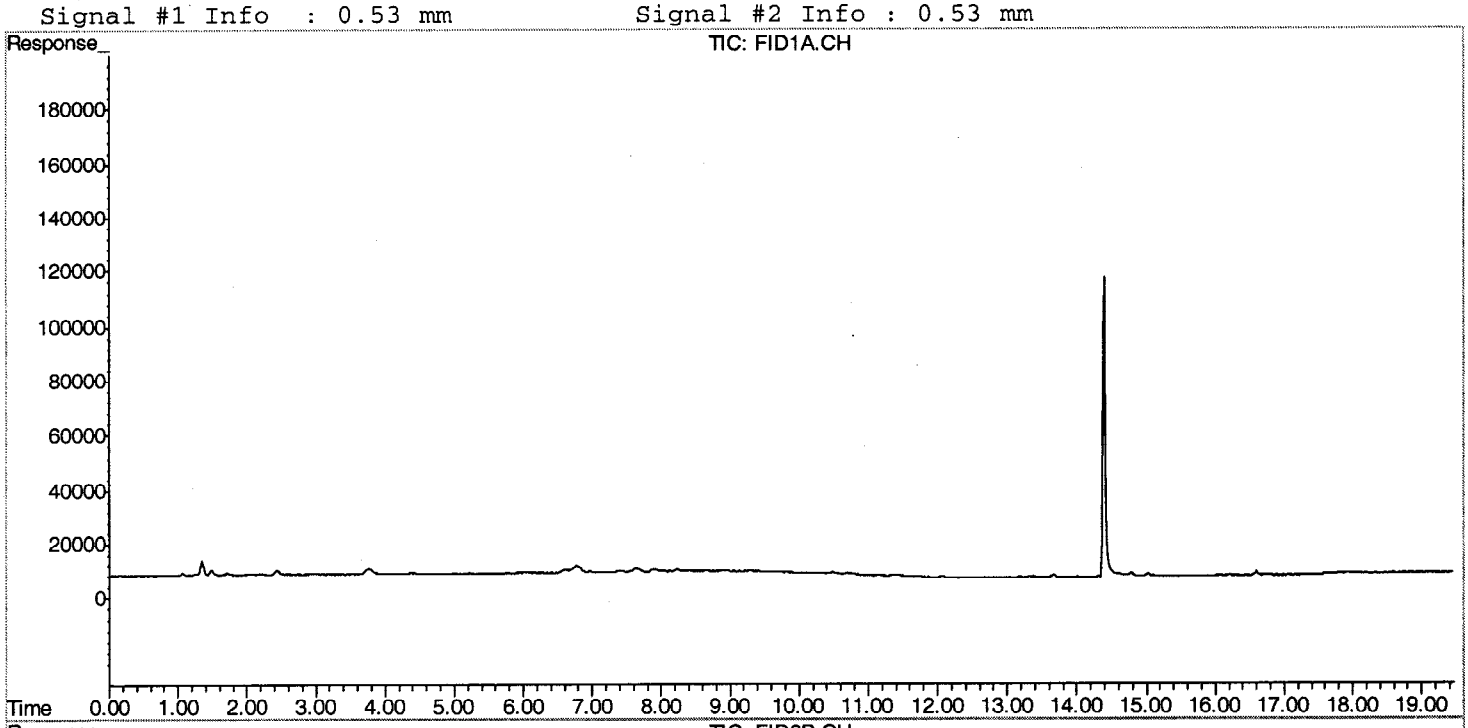
Print Date: 12/21/2009

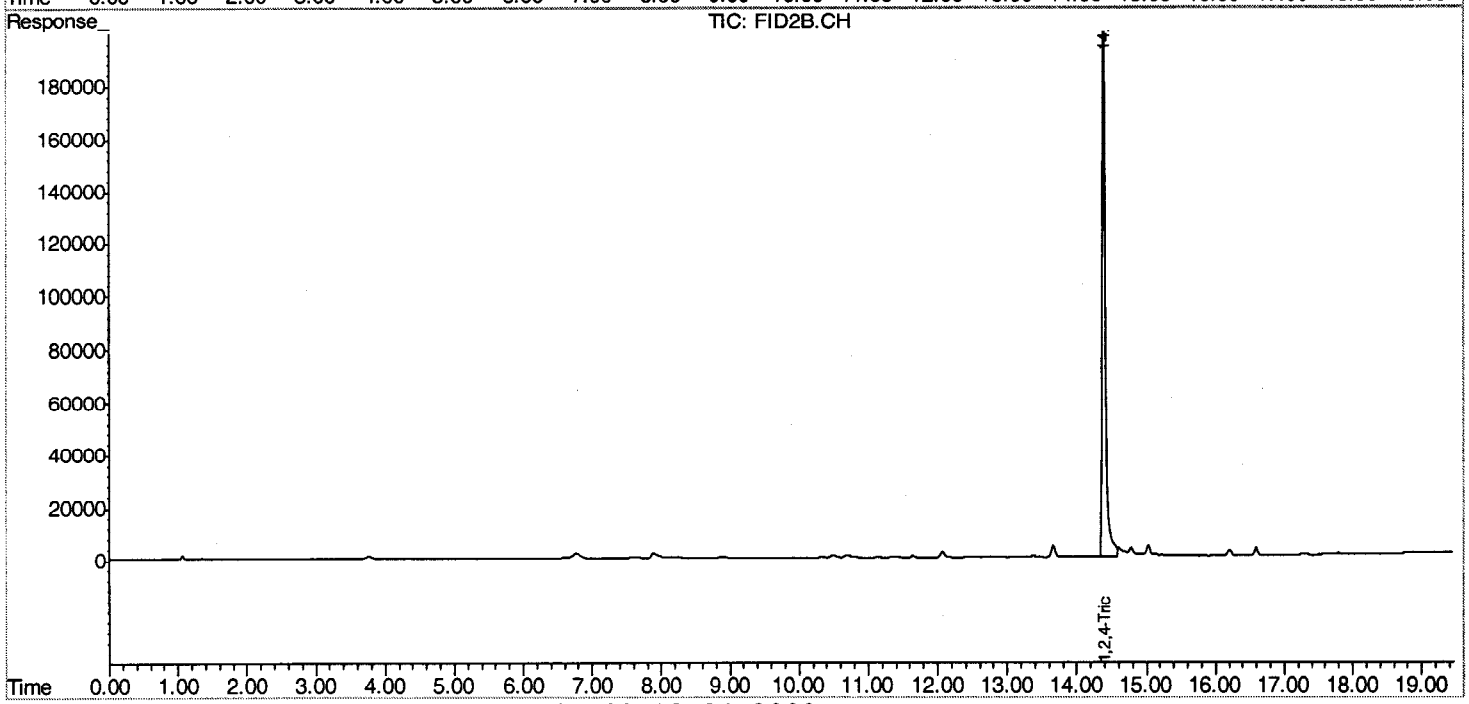
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4028.D\FID1A.CH Vial: 19
Signal #2 : Z:\122009\TA4028.D\FID2B.CH
Acq On : 21 Dec 2009 1:08 am Operator: laurac
Sample : 09-9892-13A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:07 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MW26D
Client Project ID: Divide Creek Quartlerly
Date Collected: 12/16/2009
Date Received: 12/18/2009

Lab Work Order: 09-9892
Lab Sample ID: 09-9892-14A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 12/20/2009
Date Analyzed: 12/21/2009
Lab File ID: TA4029.D\FID1A.CH
Method Blank: MB2122009
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	102	QC Limits:	60-140	%REC

Analyst

Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

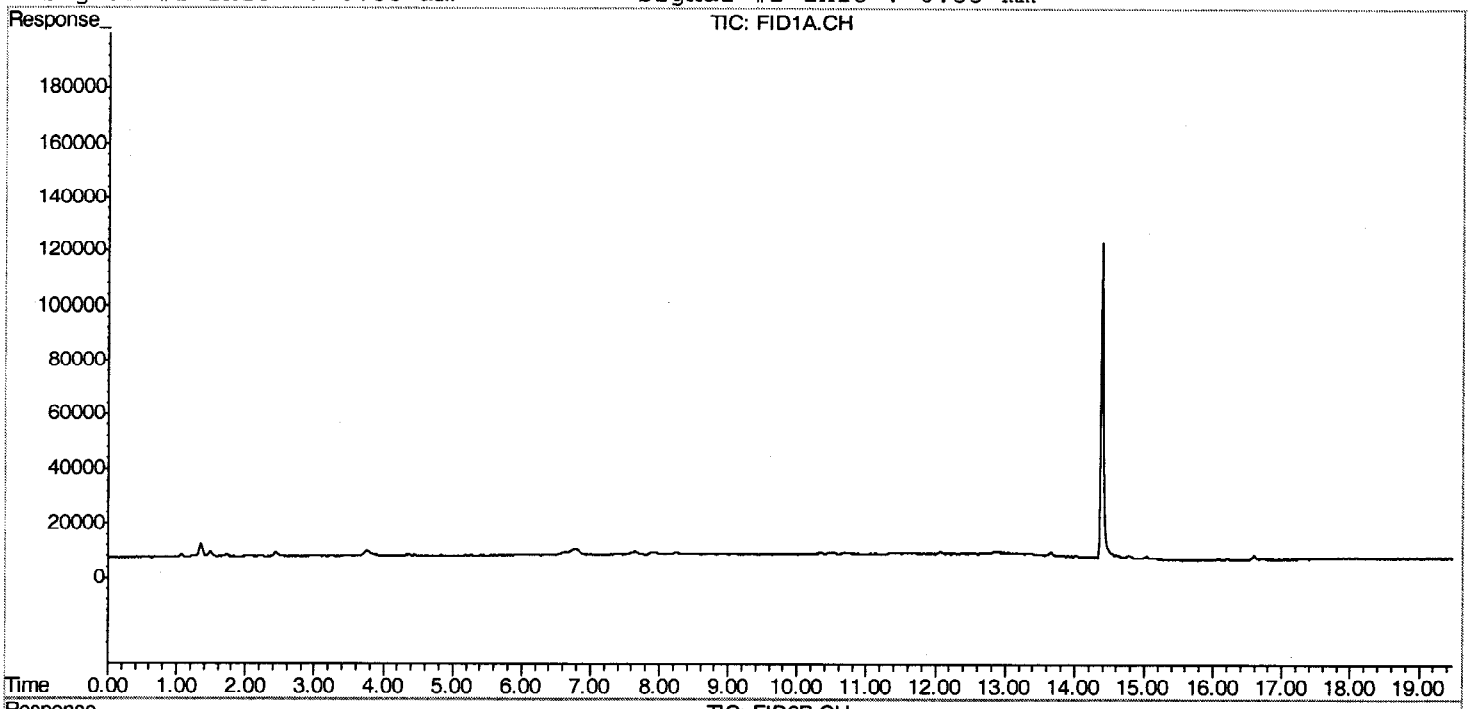
Print Date: 12/21/2009

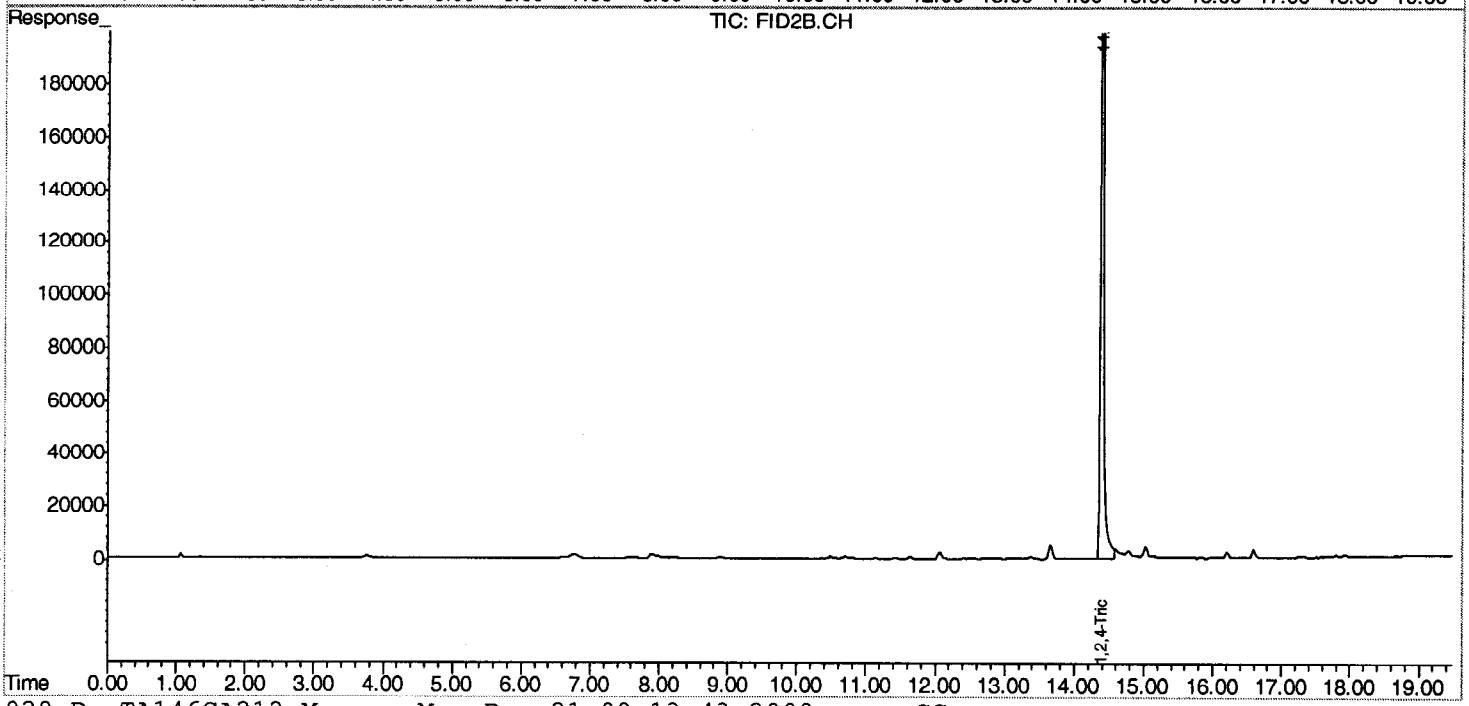
Quantitation Report (QT Reviewed)

Signal #1 : Z:\122009\TA4029.D\FID1A.CH Vial: 20
Signal #2 : Z:\122009\TA4029.D\FID2B.CH
Acq On : 21 Dec 2009 1:43 am Operator: laurac
Sample : 09-9892-14A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1,|GC445,GTA213,,,,,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Dec 21 9:08 2009 Quant Results File: TA146GA212.RES

Quant Method : C:\MSDCHEM\1\METHODS\TA146GA212.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Sun Dec 20 15:47:02 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm





Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Project ID Divide Creek Quartlerly

Lab Order: 09-9892
Units: mg/L

RSKSOP-175M Headspace Methane

Method: RSKSOP175M **Prep Method: RSKSOP175M**

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results		LQL	DF
09-9892-01B	DCS8	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0058		0.00080	1
09-9892-02B	MW23	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.37		0.00080	1
09-9892-03B	MW27	Water	12/18/09	12/16/09	12/21/09	12/21/09		U	0.00080	1
09-9892-04B	DCS6	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0077		0.00080	1
09-9892-05B	DCS7	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0069		0.00080	1
09-9892-06B	EICH2	Water	12/18/09	12/16/09	12/21/09	12/21/09		U	0.00080	1
09-9892-07B	DCS5	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0060		0.00080	1
09-9892-08B	MW24	Water	12/18/09	12/16/09	12/21/09	12/21/09		U	0.00080	1
09-9892-09B	DCS4	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0063		0.00080	1
09-9892-10B	DCS1	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0013		0.00080	1
09-9892-11B	DCS3	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0016		0.00080	1
09-9892-12B	DCS2	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.0032		0.00080	1
09-9892-13B	MW26	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.27		0.00080	1
09-9892-14B	MW26D	Water	12/18/09	12/16/09	12/21/09	12/21/09	0.33		0.00080	1

Comments:

AS
Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 12/21/09

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID Divide Creek Quartlerly

Lab Order: 09-9892

Units: mg/L

Anions by IC
Chloride

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
09-9892-01C	DCS8	Water	12/18/09	12/16/09 0950	12/23/09	12/23/09 1229	23.6	0.50	1
09-9892-02C	MW23	Water	12/18/09	12/16/09 0945	12/23/09	12/23/09 1307	53.3	2.5	5
09-9892-03C	MW27	Water	12/18/09	12/16/09 1005	12/23/09	12/23/09 1732	27.3	0.50	1
09-9892-04C	DCS6	Water	12/18/09	12/16/09 1005	12/23/09	12/23/09 1513	23.7	0.50	1
09-9892-05C	DCS7	Water	12/18/09	12/16/09 1015	12/23/09	12/23/09 1526	23.7	0.50	1
09-9892-06C	EICH2	Water	12/18/09	12/16/09 1020	12/23/09	12/23/09 1538	11.4	0.50	1
09-9892-07C	DCS5	Water	12/18/09	12/16/09 1030	12/23/09	12/23/09 1939	25.3	0.50	1
09-9892-08C	MW24	Water	12/18/09	12/16/09 1050	12/23/09	12/23/09 1952	4.0	0.50	1
09-9892-09C	DCS4	Water	12/18/09	12/16/09 1040	12/23/09	12/23/09 2004	24.4	0.50	1
09-9892-10C	DCS1	Water	12/18/09	12/16/09 1055	12/23/09	12/23/09 2017	24.7	0.50	1
09-9892-11C	DCS3	Water	12/18/09	12/16/09 1120	12/30/09	12/30/09 1454	25.2	0.50	1
09-9892-12C	DCS2	Water	12/18/09	12/16/09 1135	12/30/09	12/30/09 1507	25.2	0.50	1
09-9892-13C	MW26	Water	12/18/09	12/16/09 1125	12/30/09	12/30/09 1520	4.8	0.50	1
09-9892-14C	MW26D	Water	12/18/09	12/16/09 1125	12/30/09	12/30/09 1532	4.9	0.50	1

Comments:

J. Lange
Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 12/31/09

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID Divide Creek Quartlerly
Date Received: 12/18/09

Lab Order: 09-9892
Date Prepared: 12/29/09
Units: mg/L

Dissolved Metals
Sodium

Method: E200.7, Rev. 4.4 **Prep Method: E200.7/SW3010A**

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
09-9892-01D	DCS8	Water	12/16/09	12/29/09	128	0.400	1
09-9892-02D	MW23	Water	12/16/09	12/29/09	395	0.400	1
09-9892-03D	MW27	Water	12/16/09	12/29/09	305	0.400	1
09-9892-04D	DCS6	Water	12/16/09	12/29/09	129	0.400	1
09-9892-05D	DCS7	Water	12/16/09	12/29/09	127	0.400	1
09-9892-06D	EICH2	Water	12/16/09	12/29/09	81.3	0.400	1
09-9892-07D	DCS5	Water	12/16/09	12/29/09	130	0.400	1
09-9892-08D	MW24	Water	12/16/09	12/29/09	44.3	0.400	1
09-9892-09D	DCS4	Water	12/16/09	12/29/09	131	0.400	1
09-9892-10D	DCS1	Water	12/16/09	12/29/09	134	0.400	1
09-9892-11D	DCS3	Water	12/16/09	12/29/09	132	0.400	1
09-9892-12D	DCS2	Water	12/16/09	12/29/09	134	0.400	1
09-9892-13D	MW26	Water	12/16/09	12/29/09	93.1	0.400	1
09-9892-14D	MW26D	Water	12/16/09	12/29/09	91.7	0.400	1

Analyst

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding tim
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
PF - Prep Factor
LQL - Lower Quantitation Limit

Print Date: 12/30/2009

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

* For Metals or Wet Chemistry analyses: only included if requested or if performed on this client's samples.

Evergreen Analytical, Inc.

Date: *21-Dec-09*

Work Order: 09-9892
Client Project ID: Divide Creek Quartlerly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **MB2122009**	SampType: **MBLK**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**	Prep Date: **12/20/2009**	Units: **µg/L**
	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4011.D\FID1A.CH**	Analysis Date: **12/20/2009**	SeqNo: **948403**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	101.9	0	100	0	102	60	140	0	0		

Sample ID: **LCS2122009**	SampType: **LCS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**	Prep Date: **12/20/2009**	Units: **µg/L**
	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4012.D\FID1A.CH**	Analysis Date: **12/20/2009**	SeqNo: **948404**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	27.97	1.0	27.2	0	103	70	130	0	0		
Toluene	199.8	2.0	211.6	0	94.4	70	130	0	0		
Ethylbenzene	47.44	2.0	45.6	0	104	70	130	0	0		
m,p-Xylene	153.1	2.0	150	0	102	70	130	0	0		
o-Xylene	67.92	2.0	65.9	0	103	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	117	0	100	0	117	60	140	0	0		

Sample ID: **09-9892-01AMS**	SampType: **MS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**	Prep Date: **12/20/2009**	Units: **µg/L**
Client ID: **DCS8**	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4014.D\FID1A.CH**	Analysis Date: **12/20/2009**	SeqNo: **948383**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.54	1.0	27.2	0	105	70	130	0	0		
Toluene	205.4	2.0	211.6	0	97.1	70	130	0	0		
Ethylbenzene	48.84	2.0	45.6	0	107	62	130	0	0		
m,p-Xylene	157.7	2.0	150	0	105	70	134	0	0		
o-Xylene	71.26	2.0	65.9	0	108	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	120.8	0	100	0	121	60	140	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 09-9892
Client Project ID: Divide Creek Quartlerly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **09-9892-01AMSD**	SampType: **MSD**	TestCode: **8021_W**	Run ID: **TVHBTEX2_091220A**			Prep Date: **12/20/2009**			Units: **µg/L**	
Client ID: **DCS8**	Batch ID: **R51975**	TestNo: **SW8021B**	FileID: **TA4015.D\FID1A.CH**			Analysis Date: **12/20/2009**			SeqNo: **948384**	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.77	1.0	27.2	0	106	70	130	28.54	0.817	30	
Toluene	207	2.0	211.6	0	97.8	70	130	205.4	0.801	30	
Ethylbenzene	49.1	2.0	45.6	0	108	62	130	48.84	0.535	30	
m,p-Xylene	158.5	2.0	150	0	106	70	134	157.7	0.513	30	
o-Xylene	71.36	2.0	65.9	0	108	63	130	71.26	0.133	30	
Surr: 1,2,4-Trichlorobenzene (S)	123.6	0	100	0	124	60	140	0	0	0	

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *21-Dec-09*

Work Order: 09-9892
Client Project ID: Divide Creek Quartlerly

ANALYTICAL QC SUMMARY REPORT

TestCode: MEEP_W

Sample ID: GB122109	SampType: MBLK	TestCode: MEEP_W	Run ID: FID4_091221A	Prep Date: 12/21/09	Units: mg/L
	Batch ID: GAS122109	TestNo: RSKSOP175	FileID: FB1110	Analysis Date: 12/21/09	SeqNo: 948755

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	U	0.00080									

Sample ID: LCS122109	SampType: LCS	TestCode: MEEP_W	Run ID: FID4_091221A	Prep Date: 12/21/09	Units: mg/L
	Batch ID: GAS122109	TestNo: RSKSOP175	FileID: FB1111	Analysis Date: 12/21/09	SeqNo: 948756

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.6351	0.0080	0.5094	0	125	70	130	0	0		

Sample ID: LCSD122109	SampType: LCSD	TestCode: MEEP_W	Run ID: FID4_091221A	Prep Date: 12/21/09	Units: mg/L
	Batch ID: GAS122109	TestNo: RSKSOP175	FileID: FB1112	Analysis Date: 12/21/09	SeqNo: 948757

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.603	0.0080	0.5094	0	118	70	130	0.6351	5.19	30	

Sample ID: 09-9892-03BMS	SampType: MS	TestCode: MEEP_W	Run ID: FID4_091221A	Prep Date: 12/21/09	Units: mg/L
Client ID: MW27	Batch ID: GAS122109	TestNo: RSKSOP175	FileID: FB1136	Analysis Date: 12/21/09	SeqNo: 948742

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.4198	0.0080	0.5094	0	82.4	70	130	0	0		

Sample ID: 09-9892-03BMSD	SampType: MSD	TestCode: MEEP_W	Run ID: FID4_091221A	Prep Date: 12/21/09	Units: mg/L
Client ID: MW27	Batch ID: GAS122109	TestNo: RSKSOP175	FileID: FB1139	Analysis Date: 12/21/09	SeqNo: 948743

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5918	0.0080	0.5094	0	116	70	130	0.4198	34.0	30	R

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *31-Dec-09*

Work Order: 09-9892

Client Project ID: Divide Creek Quartlerly

ANALYTICAL QC SUMMARY REPORT

TestNo: E300.0

Sample ID: **MB 12/30/09**	SampType: **MBLK**	TestCode: **ANIONS_NON**	Run ID: **IC-DX120_091230A**	Prep Date: **12/30/09**	Units: **mg/L**
	Batch ID: **R52160**	TestNo: **E300.0**	FileID:	Analysis Date: **12/30/09**	SeqNo: **952116**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	U	0.50									

Sample ID: **LCS ALLT218099**	SampType: **LCS**	TestCode: **ANIONS_NON**	Run ID: **IC-DX120_091230A**	Prep Date: **12/30/09**	Units: **mg/L**
	Batch ID: **R52160**	TestNo: **E300.0**	FileID:	Analysis Date: **12/30/09**	SeqNo: **952115**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.92	2.5	20	0	94.6	90	110	0	0		

Sample ID: **MB 12/23/09**	SampType: **MBLK**	TestCode: **ANIONS_W**	Run ID: **IC-DX120_091223A**	Prep Date: **12/23/09**	Units: **mg/L**
	Batch ID: **R52117**	TestNo: **E300.0**	FileID:	Analysis Date: **12/23/09**	SeqNo: **951309**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	0	0.50									

Sample ID: **LCS ALLT218099**	SampType: **LCS**	TestCode: **ANIONS_W**	Run ID: **IC-DX120_091223A**	Prep Date: **12/23/09**	Units: **mg/L**
	Batch ID: **R52117**	TestNo: **E300.0**	FileID:	Analysis Date: **12/23/09**	SeqNo: **951308**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.56	2.5	20	0	92.8	90	110	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *30-Dec-09*

Work Order: 09-9892

Client Project ID: Divide Creek Quartlerly

ANALYTICAL QC SUMMARY REPORT

BatchID: 22031

Sample ID: 09-9892-01DMS	SampType: MS	TestCode: 200.7_D	Run ID: ICP-OPTIMA 5300 DV_091229A	Prep Date: 12/29/2009	Units: mg/L
Client ID: DCS8	Batch ID: 22031	TestNo: E200.7, Rev.	FileID: 122909PM	Analysis Date: 12/29/2009	SeqNo: 951358

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	136.3	0.500	12.5	126.8	75.5	75	125	0	0		

Sample ID: 09-9892-10DMS	SampType: MS	TestCode: 200.7_D	Run ID: ICP-OPTIMA 5300 DV_091229A	Prep Date: 12/29/2009	Units: mg/L
Client ID: DCS1	Batch ID: 22031	TestNo: E200.7, Rev.	FileID: 122909PM	Analysis Date: 12/29/2009	SeqNo: 951373

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	144.5	0.500	12.5	134.6	79.7	75	125	0	0		

Sample ID: MB-22031	SampType: MBLK	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_091229A	Prep Date: 12/29/2009	Units: mg/L
	Batch ID: 22031	TestNo: E200.7, Rev.	FileID: 122909PM	Analysis Date: 12/29/2009	SeqNo: 951354

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	0	0.400									

Sample ID: LCS-22031	SampType: LCS	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_091229A	Prep Date: 12/29/2009	Units: mg/L
	Batch ID: 22031	TestNo: E200.7, Rev.	FileID: 122909PM	Analysis Date: 12/29/2009	SeqNo: 951355

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	9.955	0.400	10	0	99.6	85	115	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

ACCUTEST Laboratories

January 04, 2010

Brad Stephenson
Olsson Associates
4690 Table Mountain Dr, Ste 200
Golden, CO 80403

Lab Work Order: 09-9892
Client Project ID: Divide Creek Quartlerly

Dear Brad Stephenson:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary.

THE INVOICE WILL BE MAILED FROM OUR NEW JERSEY OFFICE UNDER SEPARATE COVER.

The enclosed data for testing performed at Accutest Laboratory (formerly Evergreen Analytical) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

Accutest will dispose of all samples 44 days from the sample receipt date. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Accutest Laboratories. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

Joseph J Egry IV/ Tiffany Pham
Quality Assurance

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177003 Job #: 12372
Sample Name: MW17 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/15/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.26			
Oxygen	0.25			
Nitrogen	61.22			
Carbon Dioxide	7.11			
Methane	27.17	-45.17	-195.7	
Ethane	2.85	-27.75		
Ethylene	nd			
Propane	0.113	-24.95		
Iso-butane	0.0107			
N-butane	0.0099			
Iso-pentane	0.0017			
N-pentane	0.0009			
Hexanes +	0.0026			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 330
Specific gravity, calculated: 0.903

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.77
*Addition of helium negates the ability to detect native helium or hydrogen.
** ethane and propane isotopes obtained online via GC-C-IRMS

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177004 Job #: 12372
Sample Name: MW14 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/15/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.977			
Oxygen	0.26			
Nitrogen	45.44			
Carbon Dioxide	8.05			
Methane	39.59	-40.41	-194.1	
Ethane	3.88	-28.27		
Ethylene	nd			
Propane	1.28	-25.72		
Iso-butane	0.174			
N-butane	0.223			
Iso-pentane	0.0497			
N-pentane	0.0339			
Hexanes +	0.0401			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 521
Specific gravity, calculated: 0.869

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73
*Addition of helium negates the ability to detect native helium or hydrogen.
ethane and propane isotopes obtained online via GC-C-IRMS

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177005 Job #: 12372
Sample Name: MW9 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/15/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	0.016			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.562			
Oxygen	2.63			
Nitrogen	26.58			
Carbon Dioxide	4.91			
Methane	55.76	-40.54	-192.0	
Ethane	6.24	-28.43		
Ethylene	nd			
Propane	2.33	-25.64		
Iso-butane	0.327			
N-butane	0.395			
Iso-pentane	0.105			
N-pentane	0.0564			
Hexanes +	0.0901			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 770
Specific gravity, calculated: 0.799

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.67
*Addition of helium negates the ability to detect native helium or hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177006 Job #: 12372
Sample Name: MW2 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/15/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	0.018			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.222			
Oxygen	1.32			
Nitrogen	10.92			
Carbon Dioxide	2.11			
Methane	71.32	-40.14	-188.8	
Ethane	9.41	-28.24		
Ethylene	nd			
Propane	3.33	-26.01		
Iso-butane	0.470			
N-butane	0.564			
Iso-pentane	0.127			
N-pentane	0.0804			
Hexanes +	0.110			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 1023
Specific gravity, calculated: 0.728

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.68
*Addition of helium negates the ability to detect native helium or hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177007 Job #: 12372
Sample Name: MW23 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.54			
Oxygen	4.65			
Nitrogen	76.86			
Carbon Dioxide	11.88			
Methane	4.96	-58.73	-133.5	
Ethane	0.100	-26.69		
Ethylene	nd			
Propane	0.0040			
Iso-butane	0.0004			
N-butane	0.0004			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 52
Specific gravity, calculated: 1.025

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.78
*Addition of helium negates the ability to detect native helium or hydrogen.
ethane isotopes obtained online via GC-C-IRMS

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177008 Job #: 12372
Sample Name: DCS3 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.43			
Oxygen	31.16			
Nitrogen	66.44			
Carbon Dioxide	0.96			
Methane	0.0114			
Ethane	0.0007			
Ethylene	nd			
Propane	0.0004			
Iso-butane	nd			
N-butane	0.0004			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0
Specific gravity, calculated: 1.021

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73
*Addition of helium negates the ability to detect native helium or hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 177009 Job #: 12372
Sample Name: DCS2 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 12/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: Divide Creek Quarterly
Location:
Formation/Depth:
Sampling Point:
Date Received: 12/21/2009 Date Reported: 2/08/2010

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.44			
Oxygen	30.63			
Nitrogen	66.43			
Carbon Dioxide	1.48			
Methane	0.0217			
Ethane	0.0018			
Ethylene	nd			
Propane	0.0004			
Iso-butane	nd			
N-butane	0.0004			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0
Specific gravity, calculated: 1.023

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73
*Addition of helium negates the ability to detect native helium or hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%