January 4, 2010

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

Re: West Divide Seep Area Third Quarter Monitoring Status Report for September 2010

Dear Mr. Middleton:

Olsson Associates (Olsson) has completed the third quarter of 2010 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 September 2010 and data collected since 2004 to monitor the impacts of the dissolved phase hydrocarbons comprised primarily of methane and benzene in the study area.

Groundwater and Surface-Water Monitoring

Olsson collected groundwater samples from 20 out of the 24 monitoring wells during the third quarter on September 27 and September 28, 2010 (**Figure 1**). Wells located on the Eicher property were not sample during this monitoring period. One duplicate sample was 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 meter. 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 September 28, 2010 from West Divide Creek extending from the former seep area to the northern Langegger property line (**Figure 1**). One duplicate sample was also collected during his monitoring period. 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 using EPA method 8021b
- 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 monitoring wells with a history of total dissolved methane greater than 2.0 mg/L (**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 25.44 (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 0.027 feet/foot (ft/ft) (June 2010 - 0.014 ft/ft).

The flow in the creek was typical for this monitoring period and low compared to the spring flows. Monitoring well MW-13 was plugged and abandoned and MW-19 remains plugged by an obstruction and will be abandoned during the next monitoring period.

Groundwater Monitoring Results

A summary of laboratory analytical groundwater results for benzene, toluene, ethylbenzene, total xylenes (BTEX), and total dissolved methane for the third quarter 2010 is presented in **Table 1**. 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 third quarter 2010 BTEX and total dissolved methane concentrations are depicted in **Figure 5**. The third quarter 2010 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**. 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 September 2010 are in **Appendix G**. This report including all of the laboratory reports is enclosed on a disk in the Adobe Acrobat format.

For this monitoring period confirmed laboratory results are summarized as follows:

- Detections of benzene above the lower laboratory reporting limit were found in monitoring wells 2, 4 and 17 (**Table 1);**
- Benzene concentrations were detected above the state standard of 5 µg/L at MW-2 (67.7 µg/L), at MW-4 (13.7 µg/L) and at MW-17 (27.4 µg/L). These wells have generally been the only monitoring wells in the seep area that have been consistently above the state standard for benzene.
- Toluene was not detected in any of the monitoring wells above the state standard of 1,000 µg/L (**Table 1**).

- Ethylbenzene was not detected in any of the monitoring wells above the state standard of 680 µg/L (**Table 1**).
- Confirmed total xylenes were detected in MW-2 and MW-4 at concentrations of 16.1 µg/L and 7.0 µg/L, respectively, which are both below the state standard of 10,000 ug/L (**Table 1**).

Surface-Water Monitoring Results

Table 2 contains the surface-water hydrocarbon results for September 2010. The historical surface-water results for hydrocarbons are 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 19 monitoring wells in the study area. Total dissolved methane above a concentration of 1.0 mg/L continues to be found in monitoring wells 2, 4, 9, 14 and 17 (**Table 1 and Figure 4**). Total dissolved methane concentrations above the lower laboratory reporting limit of 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 and 17 during this monitoring period. The results for these locations are contained 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**).

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 8 hr/day. The treatment time was reduced to 8 hr/day in April 2010 and 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. An air sparging line was reinstalled in MW-4 and was operated continuously for the quarter. The air treatment in this well will continue throughout 2010 and 2011.

Benzene concentrations greater than the state standard and total dissolved methane concentrations greater than 2.0 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 continue to show reduced concentrations at MW-1 (slightly upgradient of the treatment wells) and at MW-8 (downgradient of the treatment wells).

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 Langegger and Eicher domestic wells 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 2.0 mg/L at monitoring wells MW-2, 4, 9, 14 and 17;
- Obtain two duplicate samples and one field blank sample;
- Abandon monitoring well MW-19;
- Operation of the air treatment for MW-4 will be discontinued in January 2010; and
- Perform maintenance on the air sparge system, as needed.

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 September 2010 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	27-Sep-10	<1	<2	<2	<2	0.0200		5952.20
MW-02	27-Sep-10	**67.7**	<2	<2	16.1	5.77	4.2	5953.44
MW-04	27-Sep-10	**13.7**	<2	<2	7.0	5.07	3.2	5955.65
MW-06	27-Sep-10	<1	<2	<2	<2	0.00434		5952.41
MW-07	27-Sep-10	<1	<2	<2	<2	0.0014		5950.73
MW-08	27-Sep-10	<1	<2	<2	<2	0.0531		5949.04
MW-09	27-Sep-10	<1	<2	<2	<2	3.65	1.7	5960.79
MW-11	27-Sep-10	<1	<2	<2	<2	0.0646		5965.14
MW-12	27-Sep-10	<1	<2	<2	<2	0.288		5961.29
MW-13	27-Sep-10							Abandoned
MW-14	27-Sep-10	<1	<2	<2	<2	3.41	1.6	5959.64
MW-15	28-Sep-10	<1	<2	<2	<2	0.0035		5957.49
MW-16	27-Sep-10	<1	<2	<2	<2	0.413		5953.71
MW-17	27-Sep-10	**27.4**	<2	<2	<2	2.74	1.5	5950.03
MW-18	27-Sep-10	<1	<2	<2	<2	0.00498		5948.34
MW-19	27-Sep-10							PLUGGED
MW-20	27-Sep-10	<1	<2	<2	<2	0.00466		5943.78
MW-21	27-Sep-10	<1	<2	<2	<2	<0.0008		5944.01
MW-22	27-Sep-10	<1	<2	<2	<2	<0.0008		5945.33
MW-23	27-Sep-10							NO ACCESS
MW-24	27-Sep-10	<1	<2	<2	<2	0.00418		5950.23
MW-25	27-Sep-10	<1	<2	<2	<2	0.0519		5968.05
MW-26	27-Sep-10	<1	<2	<2	<2	0.512		5953.47
MW-26D	27-Sep-10	<1	<1	<1	<1	0.569		5953.47
MW-27	27-Sep-10							NO ACCESS
EICH2	27-Sep-10							NO ACCESS

Bold - exceeds Colorado Groundwater Quality Standards (GWQS)
D - Duplicate sample
ft-msl - feet above mean sea level
mg/L - milligrams/Liter
ug/L - micrograms/Liter
NM - Not measured
< - Not detected above indicated reporting level
Blank cell - not analyzed/not collected
BTEX analyzed by EPA Method 8021
Total Dissolved Methane analyzed by EPA Method RSK175MOD

Table 2

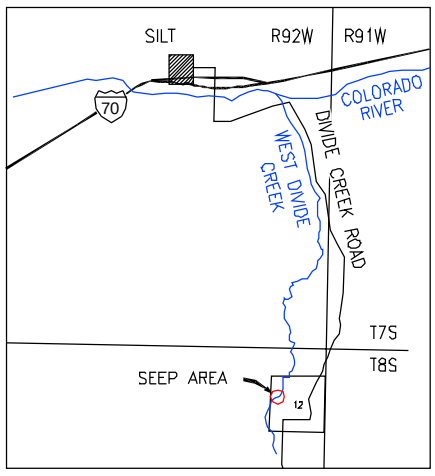
Summary of Surface-Water Analytical Results for September 2010
Encana, West Divide Creek Seep
Garfield County, Colorado

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	28-Sep-10	<1	<2	<2	<2	0.00247	NA
DCS-2	28-Sep-10	<1	<2	<2	<2	0.00579	NA
DCS-3	28-Sep-10	<1	<2	<2	<2	0.0176	NA
DCS-3D	28-Sep-10	<1	<2	<2	<2	0.0153	NA
DCS-4	28-Sep-10	<1	<2	<2	<2	0.0101	NA
DCS-5	28-Sep-10	<1	<2	<2	<2	0.00626	NA
DCS-6	28-Sep-10	<1	<2	<2	<2	0.0227	NA
DCS-7	28-Sep-10	<1	<2	<2	<2	0.00561	NA
DCS-8	28-Sep-10	<1	<2	<2	<2	0.00381	NA

200 - **Bold** exceeds Colorado Groundwater Quality Standards (GWQS)
NA - Not Analyzed
D - Duplicate Sample
mg/L - milligrams/Liter
ug/L - micrograms/liter
< - Not detected above indicated reporting level
Blank cell - not analyzed/not collected
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

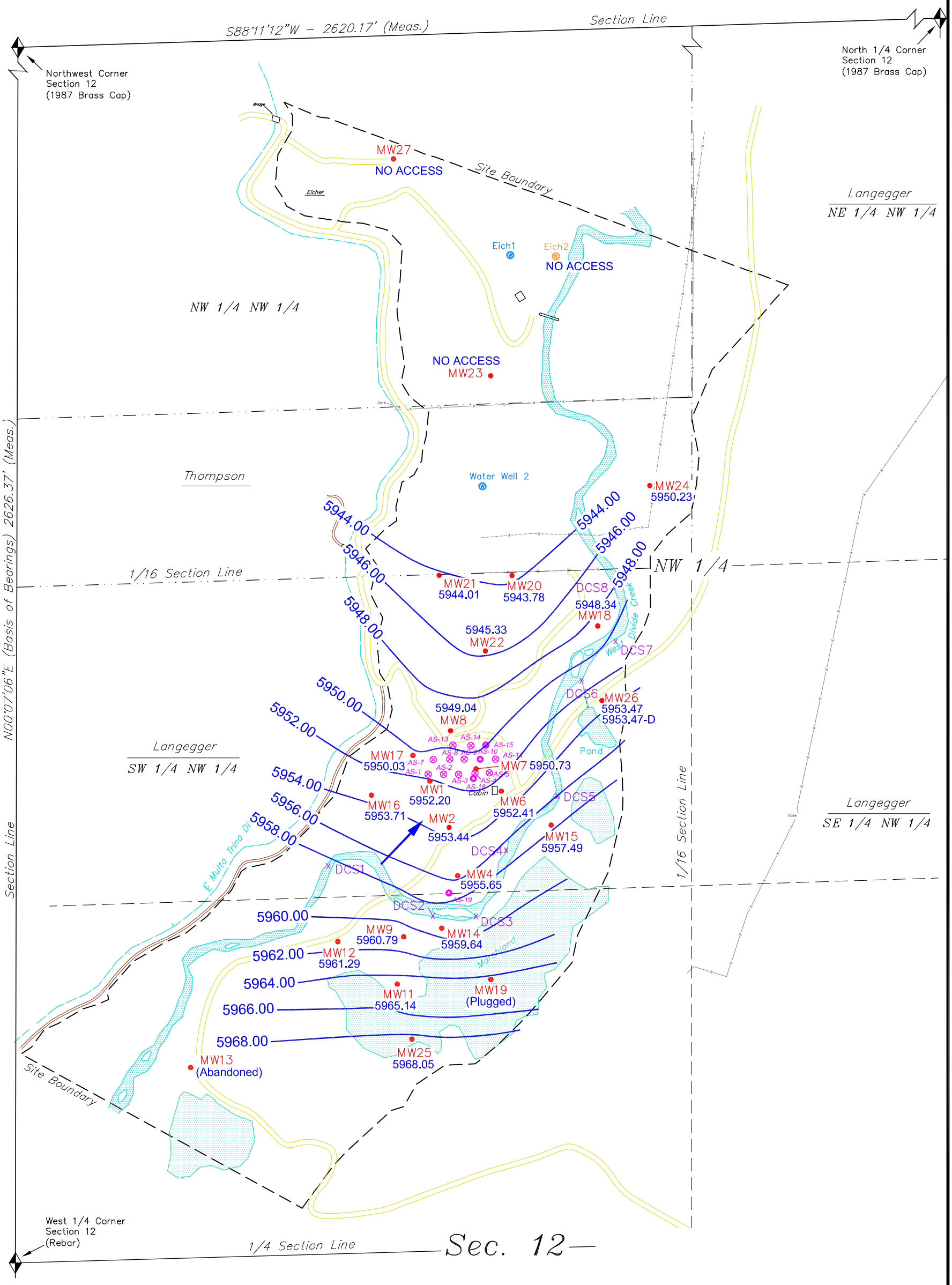
- = SECTION CORNERS FOUND
- = TRAIL
- = ROAD
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- X = DIVIDE CREEK SAMPLE LOCATION
- = MONITORING WELL LOCATION
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION

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			



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)
- 5950.33 = GROUNDWATER ELEVATION (FEET)
- = GROUNDWATER FLOW DIRECTION
- * = DATA NOT USED IN CONTOURING

N

0 100 200

SCALE IN FEET

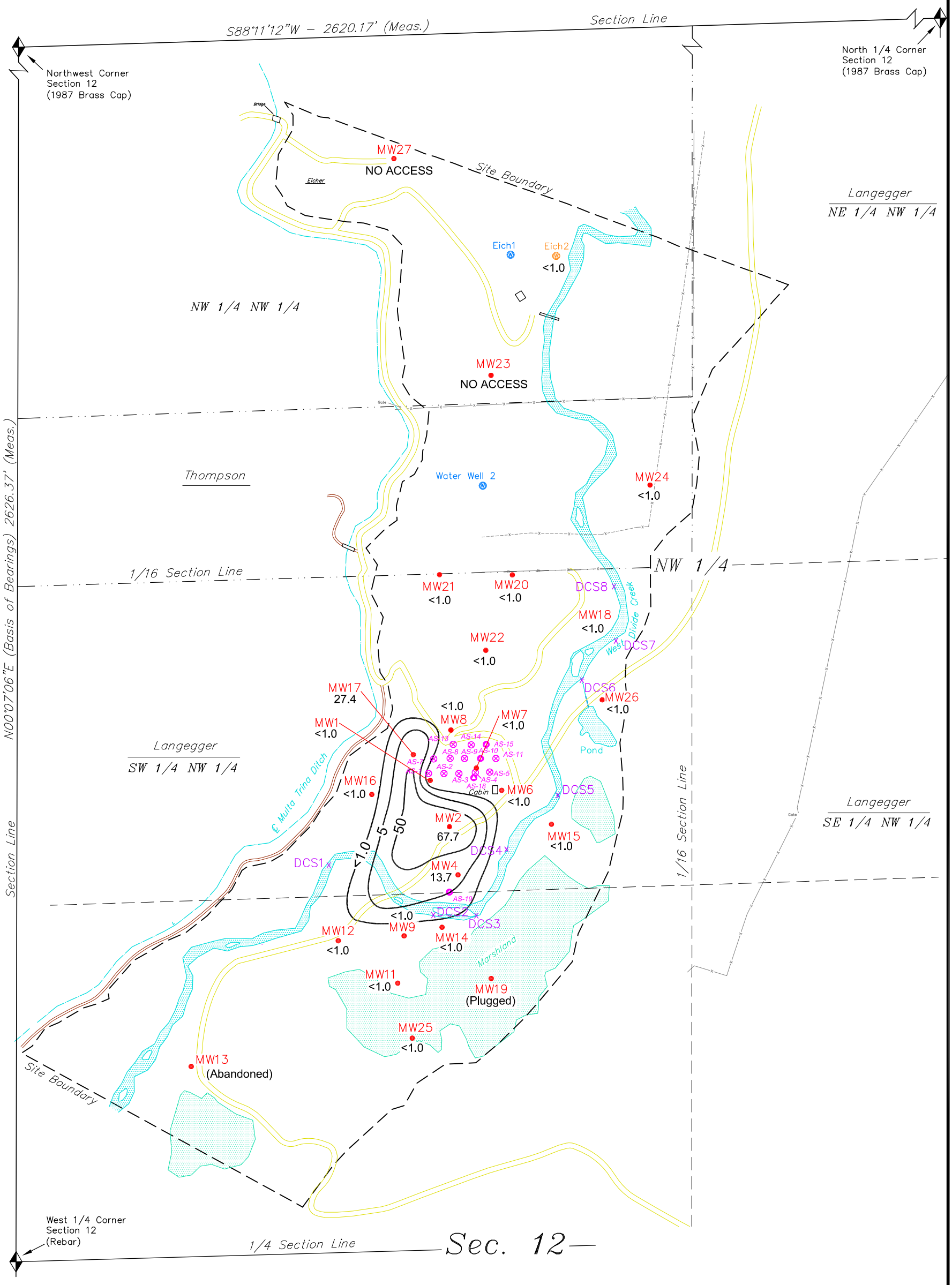
PROJECT NO:	008-2067
DRAWN BY:	SDS
DATE:.	11/30/10

WEST DIVIDE CREEK SEEP AREA GROUNDWATER ELEVATION MAP
SEPTEMBER 2010
GARFIELD COUNTY, COLORADO

OLSSON ASSOCIATES
4690 Table Mountain Drive
Suite 200
Golden, CO 80403
TEL 303.237.2072
FAX 303.237.2659

FIGURE 2

F:\Projects\008-2067_MUNI\Exhibits\82067_WDC-GW910.dwg Layout: Layout1



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 3RD QUARTER 2010 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: SDS			3
DATE:. 11/30/10			

F:\Projects\008-2067_MUNI\Exhibits\82067_WDC-B910.dwg Layout: Layout1

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

Section Line

1/16 Section Line

1/16 Section Line

NW 1/4

NW 1/4 NW 1/4

Langegger
NE 1/4 NW 1/4

Langegger
SW 1/4 NW 1/4

Langegger
SE 1/4 NW 1/4

Thompson

Site Boundary

Site Boundary

Bridge

Eicher

Gate

Gate

Cabin

Pond

Marshland

West Divide Creek

Ł Multa Trina Ditch

MW27
NO ACCESS

MW23
NO ACCESS

Eich1

Eich2
0.014

Water Well 2

MW24
0.00418

MW21
<0.0008

MW20
0.00466

DCS8
0.00498

MW18

MW22
<0.0008

DCS7

DCS6

MW26
0.512
0.569 Duplicate

0.0531
MW8

MW7
0.0014

MW17
2.74

MW1
0.0200

MW16
0.413

MW6
0.00434

DCS5

MW2
5.77

MW15
0.0035

DCS4

DCS1

<1.0

5.0

MW4
5.07

DCS2

DCS3

MW12
0.288

MW9
3.65

MW14
3.41

MW11
0.0646

MW19
(Plugged)

MW25
0.0519

MW13
(Abandoned)

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-18 AS-19

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
- 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
DRAWN BY:	SDS
DATE:.	11/30/10

WEST DIVIDE CREEK SEEP AREA TOTAL DISSOLVED METHANE CONCENTRATIONS - 3RD QUARTER 2010 GARFIELD COUNTY, COLORADO

OLSSON ASSOCIATES
4690 Table Mountain Drive
Suite 200
Golden, CO 80403
TEL 303.237.2072
FAX 303.237.2659

FIGURE
4

F:\Projects\008-2067_MUNI\Exhibits\82067_WDC-TM910.dwg Layout: Layout1

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

Section Line

1/16 Section Line

Site Boundary

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

NW 1/4

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

Bridge

Eicher

Gate

Water Well 2

Pond

Cabin

Marshland

West Divide Creek

Muka Trina Ditch

	6-28-10	7-21-10	3rd Qtr
B	<1.0	<1.0	NO ACCESS
T	2.1	<2.0	
E	<2.0	<2.0	
X	<2.0	<2.0	
M	<0.0008		

MW27

	6-29-10	3rd Qtr
B	<1.0	NO ACCESS
T	<2.0	
E	<2.0	
X	<2.0	
M	0.014	

Eich1

Eich2

	6-29-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.00156	<0.0008

MW23

	6-29-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.00369	0.00466

	Dup 6-28-10	6-28-10	3rd Qtr
B	<1.0	<1.0	NO ACCESS
T	<2.0	<2.0	
E	<2.0	<2.0	
X	<2.0	<2.0	
M	<0.0008	<0.0008	

MW24

	6-29-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.00178	0.00418

	6-29-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	<0.0008	<0.0008

	6-28-10	7-21-10	3rd Qtr
B	<1.0	**13**	**27.4**
T	<2.0	<2.0	<2.0
E	<2.0	<2.0	<2.0
X	<2.0	<2.0	<2.0
M	0.0107		2.74

MW21

MW20

	6-28-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.0192	0.0531

MW22

DCS8

MW18

DCS7

DCS6

MW26

	6-28-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.264	0.00498

	Dup 6-28-10	6-28-10	3rd Qtr
B	<1.0	<1.0	<1.0
T	<2.0	<2.0	<1.0
E	<2.0	<2.0	<1.0
X	<2.0	<2.0	<1.0
M	0.778	0.512	0.569

	6-28-10	7-21-10	3rd Qtr
B	<1.0	<1.0	<1.0
T	2.5	<2.0	<2.0
E	<2.0	<2.0	<2.0
X	<2.0	<2.0	<2.0
M	<0.0008		0.0200

MW8

	6-28-10	7-21-10	3rd Qtr
B	**72**	**144**	**67.7**
T	3.0	2.2	<2.0
E	<2.0	<2.0	<2.0
X	24.9	33.3	16.1
M	8.71		5.77

MW17

AS-1 AS-2 AS-3 AS-4 AS-5 AS-7 AS-8 AS-9 AS-10 AS-11 AS-13 AS-14 AS-15 AS-18 AS-19

MW7

MW1

MW6

	6-28-10	7-21-10	3rd Qtr
B	<1.0	<1.0	<1.0
T	2.7	<2.0	<2.0
E	<2.0	<2.0	<2.0
X	<2.0	<2.0	<2.0
M	<0.0008		0.0014

	6-28-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.00989	0.00434

MW16

MW2

	Dup 6-28-10	6-28-10	7-21-10	Dup 7-21-10	3rd Qtr
B	<1.0	<1.0	<1.0	<1.0	<1.0
T	<2.0	2.4	<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	0.0889	0.0135			0.413

DCS5

MW15

DCS4

DCS1

MW4

	6-29-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	<0.0008	0.0035

DCS2

DCS3

MW14

MW9

MW12

	6-28-10	7-21-10	3rd Qtr
B	**59.4**	**41.2**	**13.7**
T	3.0	<2.0	<2.0
E	2.2	<2.0	<2.0
X	21.7	15.8	7.0
M	8.35		5.07

MW11

MW19
(Plugged)

MW25

	6-28-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	4.79	3.41

	6-28-10	3rd Qtr
B	1.8	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	6.8	3.65

	6-28-10	3rd Qtr
B	<1.0	<1.0
T	<2.0	<2.0
E	<2.0	<2.0
X	<2.0	<2.0
M	0.672	0.288

MW13
(Abandoned)

	6-28-10	7-21-10	3rd Qtr
B	<1.0	<1.0	<1.0
T	2.0	<2.0	<2.0
E	<2.0	<2.0	<2.0
X	<2.0	<2.0	<2.0
M	0.0103		0.0519

	6-28-10	7-21-10	3rd Qtr
B	<1.0	<1.0	<1.0
T	2.3	<2.0	<2.0
E	<2.0	<2.0	<2.0
X	2.7	<2.0	<2.0
M	0.0615		0.0646

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

NOTE:
2ND QUARTER GROUNDWATER SAMPLES WERE COLLECTED ON JUNE 28 AND JUNE 29, 2010. DUE TO A SUSPECTED LABORATORY ERROR, NINE MONITORING WELLS WERE RESAMPLED ON JULY 21, 2010.

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
DRAWN BY:	SDS
DATE:.	11/30/10

WEST DIVIDE CREEK SEEP AREA BTEX CONCENTRATIONS
3RD QUARTER 2010
GARFIELD COUNTY, COLORADO

OLSSON ASSOCIATES
4690 Table Mountain Drive
Suite 200
Golden, CO 80403
TEL 303.237.2072
FAX 303.237.2659

FIGURE
5

F:\Projects\008-2067_MUNI\Exhibits\82067_WDC-BTEX910-hit.dwg Layout: Layout1

APPENDIX A

Field Data
included as .pdf file on CD in back

Appendix A
Field Data for March 2010
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
27-Sep-10	EICH2	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	
27-Sep-10	MW23	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	
27-Sep-10	MW27	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	-88.8	
28-Sep-10	DCS1	14.83	0.917	7.96	8.57	0.6	78.9	19	-88.8	
28-Sep-10	DCS2	13.76	0.916	8.09	8.55	0.6	78.2	24.1	-88.8	
28-Sep-10	DCS3	13.13	0.889	7.82	8.50	0.6	74.9	27.6	-88.8	
28-Sep-10	DCS3	13.13	0.889	7.82	8.50	0.6	74.9	27.6	-88.8	
28-Sep-10	DCS4	12.33	0.888	7.07	8.51	0.6	65.9	41.1	-88.8	
28-Sep-10	DCS5	12.46	0.873	7.68	8.51	0.6	71.2	41.6	-88.8	
28-Sep-10	DCS6	12.61	0.827	7.78	8.43	0.5	67.7	30.4	-88.8	
28-Sep-10	DCS7	11.59	0.895	8.16	8.51	0.6	75.2	29	-88.8	
28-Sep-10	DCS8	11.47	0.892	8.25	8.52	0.6	75.9	47.8	-88.8	
27-Sep-10	MW1	13.39	0.199	0.46	7.08	0.1	24.1	940	6.59	
27-Sep-10	MW11	12.27	0.573	0.16	6.98	0.4	22.1	248	4.52	
27-Sep-10	MW12	12.83	1.061	0.32	7.26	0.7	11.2	292	2.31	
27-Sep-10	MW14	12.05	0.867	0.31	7.38	0.6	16.6	2000	5.42	
28-Sep-10	MW15	11.46	0.732	1.58	7.89	0.5	18.1	226	0.3	
27-Sep-10	MW16	15.46	0.001	0.15	7.40	0.0	20.2	111	6.74	
27-Sep-10	MW17	13.18	0.001	0.15	7.08	0.0	23.0	5999	8.46	
27-Sep-10	MW18	12.48	0.778	0.73	7.53	0.5	14.1	234	4.09	
27-Sep-10	MW2	15.11	0.000	0.13	7.09	0.0	19.9	120	5.84	
27-Sep-10	MW20	11.97	0.875	0.17	7.45	0.6	24.9	2000	10.10	
27-Sep-10	MW21	9.82	1.255	0.46	7.62	0.8	15.8	342	25.44	
27-Sep-10	MW22	10.08	0.895	2.22	7.42	0.6	18.1	1608	11.75	
27-Sep-10	MW24	13.75	0.710	0.16	7.79	0.5	11.3	201	4.68	
27-Sep-10	MW25	12.98	0.595	0.13	6.99	0.4	22.2	103	3.74	
27-Sep-10	MW26	14.21	0.013	1.70	6.89	0.0	23.2	1300	1.18	
27-Sep-10	MW26	14.21	0.013	1.70	6.89	0.0	23.2	1300	1.18	
27-Sep-10	MW4	14.31	0.829	1.09	7.88	0.5	13.1	339	7.76	
27-Sep-10	MW6	14.61	0.808	0.43	6.66	0.5	28.3	471	7.53	
27-Sep-10	MW7	12.63	0.070	0.21	6.91	0.1	27.4	1167	8.24	
27-Sep-10	MW8	15.20	0.001	0.28	7.01	0.0	23.1	153	10.25	
27-Sep-10	MW9	12.68	0.805	0.13	7.43	0.5	12.5	158	4.34	

Appendix A
Field Data for March 2010
Encana, West Divide Creek Seep
Garfield County, Colorado

Date	SampleName	Sample Description	Sampler	SampleSource
27-Sep-10	EICH2	Domestic well; No access - not sampled	SH	Well
27-Sep-10	MW23	Divide Creek monitoring well #23; No access - not sampled	SH	Well
27-Sep-10	MW27	Divide Creek monitoring well #27; No access - not sampled	SH	Well
28-Sep-10	DCS1	Divide Creek monitoring station 1; WQ: creek clear, no effervescence, algae on creek bed	JV	Stream
28-Sep-10	DCS2	Divide Creek monitoring station 2; WQ: creek clear, no effervescence, algae on creek bed	JV	Stream
28-Sep-10	DCS3	Divide Creek monitoring station 3; WQ: creek clear, no effervescence, algae (dark) on creek bed	JV	Stream
28-Sep-10	DCS3	Divide Creek monitoring station 3 duplicate; WQ: creek clear, no effervescence, algae (dark) on creek bed	JV	Stream
28-Sep-10	DCS4	Divide Creek monitoring station 4; WQ: beaver dam, water clear, no effervescence, sampled just above dam in middle of creek	JV	Stream
28-Sep-10	DCS5	Divide Creek monitoring station 5; WQ: creek clear, no effervescence, algae (dark) on creek bed	JV	Stream
28-Sep-10	DCS6	Divide Creek monitoring station 6; WQ: creek clear, no effervescence	JV	Stream
28-Sep-10	DCS7	Divide Creek monitoring station 7; WQ: creek clear, algae on stream bed, no effervescence	JV	Stream
28-Sep-10	DCS8	Divide Creek monitoring station 8; WQ: creek clear, algae on creek bed	JV	Stream
27-Sep-10	MW1	Divide Creek monitoring well #1; WQ: no odor, cloudy, slight brown color	AS	Well
27-Sep-10	MW11	Divide Creek monitoring well #11; WQ: no odor, cloudy, slight grey color	AS	Well
27-Sep-10	MW12	Divide Creek monitoring well #12; WQ: color = slightly turbid, odor = very slightly sulphurous, no sediment	JV	Well
27-Sep-10	MW14	Divide Creek monitoring well #14; WQ: water color = turbid - blackish, odor = very slightly sulphurous, no sediment	JV	Well
28-Sep-10	MW15	Divide Creek monitoring well #15; WQ: water color = very slightly turbid, no effervescence	JV	Well
27-Sep-10	MW16	Divide Creek monitoring well #16; WQ: slight sulfur odor, clear	AS	Well
27-Sep-10	MW17	Divide Creek monitoring well #17; WQ: sulfur odor, cloudy, grey color	AS	Well
27-Sep-10	MW18	Divide Creek monitoring well #18 ; WQ: water color = turbid - very light muddy, odor = very slightly sulphurous, no sediment	JV	Well
27-Sep-10	MW2	Divide Creek monitoring well #2; WQ: no odor, slightly cloudy	AS	Well
27-Sep-10	MW20	Divide Creek monitoring well #20; WQ: water color = turbid - light muddy, odor = very slight to no sulpurous smell, no sediment	JV	Well
27-Sep-10	MW21	Divide Creek monitoring well #21; WQ: water color = clear, odor = sulphourous, no sediment	JV	Well
27-Sep-10	MW22	Divide Creek monitoring well #22; WQ: water color = turbid - light muddy, odor = neutral, no sediment	JV	Well
27-Sep-10	MW24	Divide Creek monitoring well #24	SH	Well
27-Sep-10	MW25	Divide Creek monitoring well #25; WQ: earthen odor, cloudy, slight grey color	AS	Well
27-Sep-10	MW26	Divide Creek monitoring well #26; WQ: earthen odor, cloudy, slight brown color	AS	Well
27-Sep-10	MW26	Divide Creek monitoring well #26 duplicate; WQ: earthen odor, cloudy, slight brown color	AS	Well
27-Sep-10	MW4	Divide Creek monitoring well #4; WQ: water color = slightly turbid, odor = neutral, sediment	JV	Well
27-Sep-10	MW6	Divide Creek monitoring well #6; WQ: slight sulfur odor, cloudy, rust color	AS	Well
27-Sep-10	MW7	Divide Creek monitoring well #7; WQ: no odor, cloudy, slight brown color	AS	Well
27-Sep-10	MW8	Divide Creek monitoring well #8; WQ: slight sulfur odor, very slightly cloudy, clear color	AS	Well
27-Sep-10	MW9	Divide Creek monitoring well #9; WQ: water color = very silghtly turbid, odor = slightly sulphurous, no sediment, no effervescence	JV	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-01	29-Mar-10	<1	<2	<2	<2	<0.0008		5.66	5953.13
MW-01	28-Jun-10	<1	2.5	<2	<2	<0.0008		4.73	5954.06
MW-01[a]	21-Jul-10	<1	<2	<2	<2				
MW-01	27-Sep-10	<1	<2	<2	<2	0.0200		6.59	5952.20
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

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	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
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-02	30-Mar-10	**87.7**	<2	<2	24.0	7.49	5.2	4.83	5954.45
MW-02	28-Jun-10	**72**	3.0	<2	24.9	8.71	6.4	5.09	5954.19
MW-02[a]	21-Jul-10	**144**	2.2	<2	33.3				
MW-02	27-Sep-10	**67.7**	<2	<2	16.1	5.77	4.2	5.84	5953.44
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

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	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
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-04	30-Mar-10	**21.6**	<2	<2	8.0	6.28	3.8	7.78	5955.63
MW-04	28-Jun-10	**59.4**	3	2.2	21.7	8.35	6.3	8.10	5955.31
MW-04[a]	21-Jul-20	**41.2**	<2	<2	15.8				
MW-04	27-Sep-10	**13.7**	<2	<2	7.0	5.07	3.2	7.76	5955.65
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

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	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
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-06	29-Mar-10	<1	<2	<2	<2	0.00197		6.91	5953.03
MW-06	28-Jun-10	<1	<2	<2	<2	0.00989		6.80	5953.14
MW-06	27-Sep-10	<1	<2	<2	<2	0.00434		7.53	5952.41
MW-07	09-Jul-04	**200**	NA	NA	NA	0.67			5958.97

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-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
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			

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	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
MW-07	29-Mar-10	<1	<2	<2	<2	<0.0008		7.50	5951.47
MW-07	28-Jun-10	<1	2.7	<2	<2	<0.0008		6.09	5952.88
MW-07[a]	21-Jul-10	<1	<2	<2	<2				
MW-07	27-Sep-10	<1	<2	<2	<2	0.0014		8.24	5950.73
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

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	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
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-08	29-Mar-10	<1	<2	<2	<2	0.0752		8.96	5950.33
MW-08	28-Jun-10	<1	<2	<2	<2	0.0192		7.62	5951.67
MW-08	27-Sep-10	<1	<2	<2	<2	0.0531		10.25	5949.04
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			

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	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
MW-09	15-Dec-09	2	<2	<2	<2	9.2	6.4	4.37	5960.76
MW-09	29-Mar-10	<1	<2	<2	<2	9.24	6.4	4.53	5960.60
MW-09	28-Jun-10	1.8	<2	<2	<2	6.8	4.3	4.44	5960.69
MW-09	27-Sep-10	<1	<2	<2	<2	3.65	1.7	4.34	5960.79
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

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-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-11	29-Mar-10	<1	<2	<2	<2	0.0698		4.25	5965.41
MW-11	28-Jun-10	<1	2.3	<2	2.7	0.0615		4.80	5964.86
MW-11[a]	21-Jul-10	<1	<2	<2	<2				
MW-11	27-Sep-10	<1	<2	<2	<2	0.0646		4.52	5965.14
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
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-12	29-Mar-10	<1	<2	<2	<2	0.176		1.94	5961.66
MW-12	28-Jun-10	<1	<2	<2	<2	0.672		2.97	5960.63
MW-12	27-Sep-10	<1	<2	<2	<2	0.288		2.31	5961.29
MW-13	13-Dec-04	<1	<2	<2	<2	0.15		2.49	5961.11

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-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-13									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
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

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	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-14	29-Mar-10	<1	<2	<2	<2	6.74	4.4	6.25	5958.81
MW-14	28-Jun-10	<1	<2	<2	<2	4.79	3.1	5.44	5959.62
MW-14	27-Sep-10	<1	<2	<2	<2	3.41	1.6	5.42	5959.64
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
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-15	30-Mar-10	<1	<2	<2	<2	<0.0008		0.60	5957.19
MW-15	29-Jun-10	<1	<2	<2	<2	<0.0008		0.01	5957.78
MW-15	28-Sep-10	<1	<2	<2	<2	0.0035		0.30	5957.49
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

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-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-16	30-Mar-10	<1	<2	<2	<2	0.636		5.05	5955.40
MW-16	30-Mar-10	<1	<2	<2	<2	0.527		5.05	5955.40
MW-16	28-Jun-10	<1	<2	<2	<2	0.0889		3.03	5957.42
MW-16[a]	21-Jul-10	<1	<2	<2	<2				
MW-16	28-Jun-10	<1	2.4	<2	<2	0.0135		3.03	5957.42
MW-16[a]	21-Jul-10	<1	<2	<2	<2				
MW-16	27-Sep-10	<1	<2	<2	<2	0.413		6.74	5953.71
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
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			

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	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-17	29-Mar-10	**24.6**	<2	<2	<2	3.25	1.6	6.52	5951.97
MW-17	28-Jun-10	<1	<2	<2	<2	0.0107	0.0008	4.05	5954.44
MW-17[a]	21-Jul-10	**13.0**	<2	<2	<2				
MW-17	27-Sep-10	**27.4**	<2	<2	<2	2.74	1.5	8.46	5950.03
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
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

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	29-Mar-10	<1	<2	<2	<2	0.0444		3.90	5948.53
MW-18	29-Jun-10	<1	<2	<2	<2	0.264		4.01	5948.42
MW-18	27-Sep-10	<1	<2	<2	<2	0.00498		4.09	5948.34
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-19									PLUGGED
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			
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

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	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-20	29-Mar-10	<1	<2	<2	<2	<0.0008		8.31	5945.57
MW-20	29-Jun-10	<1	<2	<2	<2	0.00369		8.64	5945.24
MW-20	27-Sep-10	<1	<2	<2	<2	0.00466		10.10	5943.78
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
MW-21	11-May-06	<1	<2	<2	<2	0.0017		22.00	5947.45

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	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-21	29-Mar-10	<1	<2	<2	<2	<0.0008		23.76	5945.69
MW-21	29-Jun-10	<1	<2	<2	<2	0.00156		22.65	5946.80
MW-21	27-Sep-10	<1	<2	<2	<2	<0.0008		25.44	5944.01
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

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	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
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-22	29-Mar-10	<1	<2	<2	<2	<0.0008		10.21	5946.87
MW-22	29-Jun-10	<1	<2	<2	<2	<0.0008		9.36	5947.72
MW-22	27-Sep-10	<1	<2	<2	<2	<0.0008		11.75	5945.33
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

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	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
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-23	30-Mar-10	<1	<2	<2	<2	0.0724		15.69	5937.00
MW-23	30-Mar-10	<1	<2	<2	<2	0.0964		15.69	5937.00
MW-23	28-Jun-10	<1	<2	<2	<2	<0.0008		11.46	5941.23
MW-23	28-Jun-10	<1	<2	<2	<2	<0.0008		11.86	5940.83
MW-23	27-Sep-10								
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

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	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
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-24	31-Mar-10	<1	<2	<2	<2	<0.0008		5.41	5949.50
MW-24	29-Jun-10	<1	<2	<2	<2	0.00178		4.85	5950.06
MW-24	27-Sep-10	<1	<2	<2	<2	0.00418		4.68	5950.23
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-25	29-Mar-10	<1	<2	<2	<2	0.004		4.04	5967.75
MW-25	28-Jun-10	<1	2	<2	<2	0.0103		3.40	5968.39

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-25[a]	21-Jul-10	<1	<2	<2	<2				
MW-25	27-Sep-10	<1	<2	<2	<2	0.0519		3.74	5968.05
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
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

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	16-Dec-09	<1	<2	<2	<2	0.33		1.60	5953.05
MW-26	31-Mar-10	<1	<2	<2	<2	1.25		1.24	5953.41
MW-26	28-Jun-10	<1	<2	<2	<2	0.778		1.09	5953.56
MW-26	27-Sep-10	<1	<2	<2	<2	0.512		1.18	5953.47
MW-26	27-Sep-10	<1	<2	<2	<2	0.569		1.18	5953.47
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			
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
MW-27	30-Mar-10	<1	<2	<2	<2	<0.0008		6.78	5949.44
MW-27	28-Jun-10	<1	2.1	<2	<2	<0.0008		6.31	5949.91
MW-27[a]	21-Jul-20	<1	<2	<2	<2				
MW-27	27-Sep-10								
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			

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	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			
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			

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)
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			
EICH2	30-Mar-10	<1	<2	<2	<2	0.0254			
EICH2	29-Jun-10	<1	<2	<2	<2	0.014			
EICH2	27-Sep-10								
LANGWW	17-Sep-09	<1	<2	<2	<2	< 0.0008			
Bold - indicates value exceeds state standard				[a] - Resampled due to suspected laboratory error					
mg/l - milligrams/liter				DTW - depth to water below measuring point				ft-msl - feet above mean sea level	
ug/l - micrograms/liter				**ft - feet**					
Total number of all groundwater samples over all dates = 1183						Blank cell - indicates not analyzed or not obtained			

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-1	30-Mar-10	<1	<2	<2	<2	0.00094	
DCS-1	29-Jun-10	<1	2.6	<2	<2	0.00186	
DCS-1	28-Sep-10	<1	<2	<2	<2	0.00247	
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	

Appendix C

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-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	
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	

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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	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	
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	

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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-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	
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-2	30-Mar-10	<1	<2	<2	<2	0.0013	<0.0008
DCS-2	29-Jun-10	<1	<2	<2	<2	0.0013	
DCS-2	28-Sep-10	<1	<2	<2	<2	0.00579	
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	

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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	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	
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	

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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	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	
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	

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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	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	
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	

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-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
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-3	30-Mar-10	<1	<2	<2	<2	0.001	
DCS-3	29-Jun-10	<1	<2	<2	<2	0.001	
DCS-3	28-Sep-10	<1	<2	<2	<2	0.0176	
DCS-3	28-Sep-10	<1	<2	<2	<2	0.0153	
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	

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	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	
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	

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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	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	
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	

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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-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	
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-4	30-Mar-10	<1	<2	<2	<2	0.00263	
DCS-4	29-Jun-10	<1	<2	<2	<2	0.00165	
DCS-4	28-Sep-10	<1	<2	<2	<2	0.0101	
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	

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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	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	
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	

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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-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	
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	

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-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	
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-5	31-Mar-10	<1	<2	<2	<2	0.0013	
DCS-5	29-Jun-10	<1	<2	<2	<2	0.00176	
DCS-5	28-Sep-10	<1	<2	<2	<2	0.00626	
DCS-6	13-Apr-04	<1	<2	<2	<2	0.087	
DCS-6	14-Apr-04	<1	<2	<2	<2	0.063	

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	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	
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	

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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	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	
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	

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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	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	
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	

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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	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-6	31-Mar-10	<1	<2	<2	<2	0.00153	
DCS-6	29-Jun-10	<1	<2	<2	<2	0.00174	
DCS-6	28-Sep-10	<1	<2	<2	<2	0.0227	
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	
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	

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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	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	
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	

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-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-7	31-Mar-10	<1	<2	<2	<2	0.00156	
DCS-7	29-Jun-10	<1	<2	<2	<2	0.00186	
DCS-7	28-Sep-10	<1	<2	<2	<2	0.00561	
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	
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	

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	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	
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	

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	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	
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	
DCS-8	31-Mar-10	<1	<2	<2	<2	0.0013	
DCS-8	29-Jun-10	<1	<2	<2	<2	0.0015	
DCS-8	28-Sep-10	<1	<2	<2	<2	0.00381	

Bold - indicates value exceeds state standard
mg/l - milligrams/liter
ug/l - micrograms/liter
Total number of observations for all points over all dates = 1029

APPENDIX D

Historical QA/QC Results for
Surface and Ground Water Samples
included as .pdf file on CD in back

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-3		9/28/10	< 1	< 2	< 2	< 2	0.0176
DCS-3	Dup	9/28/10	< 1	< 2	< 2	< 2	0.0153
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

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		3/14/06	< 1	< 2	< 2	< 2	0.012
DCS-6	Dup	3/14/06	< 1	< 2	< 2	< 2	0.012
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

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	Split	10/14/04	**210**	< 50	6.1	37	4.4
MW-4		12/13/04	**270**	36	8.1	64.9	14
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

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	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
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

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-9	Split	11/9/04	**280**	160	9.8	100	14
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-16		3/30/10	< 1	< 2	< 2	< 2	0.636
MW-16	Dup	3/30/10	< 1	< 2	< 2	< 2	0.527
MW-16		6/28/10	< 1	< 2	< 2	< 2	0.0889
MW-16	Dup	6/28/10	< 1	2.4	< 2	< 2	0.0135
MW-16[a]		7/21/10	< 1	< 2	< 2	< 2	
MW-16[a]	Dup	7/21/10	< 1	< 2	< 2	< 2	
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-23		3/30/10	< 1	< 2	< 2	< 2	0.0724
MW-23	Dup	3/30/10	< 1	< 2	< 2	< 2	0.0964
MW-23		6/28/10	< 1	< 2	< 2	< 2	<0.0008
MW-23	Dup	6/28/10	< 1	< 2	< 2	< 2	<0.0008
MW-24		8/10/05	< 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	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
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

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-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
MW-26		9/27/10	< 1	< 2	< 2	< 2	0.512
MW-26	Dup	9/27/10	< 1	< 2	< 2	< 2	0.569
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
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
FB	Field Blank	7/21/10	< 1	< 2	< 2	< 2	

Bold - Indicates Value exceeds state standard
[a] - Resampled due to suspected laboratory error
ug/L = micrograms per liter
mg/L = milligrams per liter
NS - Not sampled
Dup - Duplicate sample
Split - Split sample
Split2 - Split sample

APPENDIX E

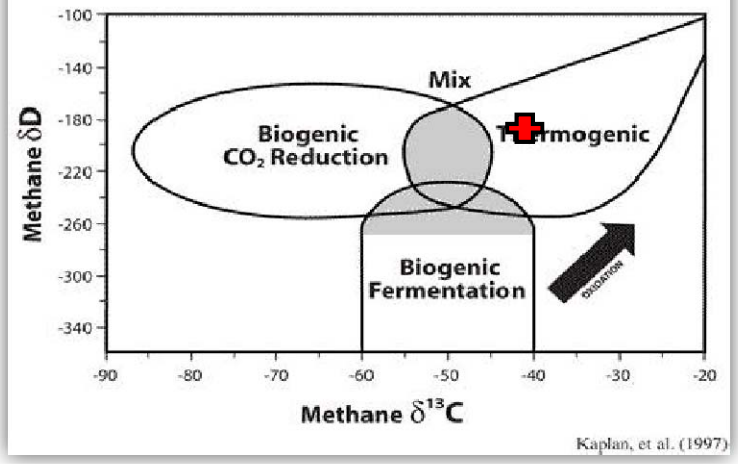
Thermogenic Methane Data
included as .pdf file on CD in back

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
28-Sep-10	MW2	5.77	4.2	-40.52	-180.3	Consistent with thermogenic (or mostly thermogenic) formation
28-Sep-10	MW4	5.07	3.2	-39.23	-175.3	Consistent with thermogenic (or mostly thermogenic) formation
29-Sep-10	MW9	3.65	1.7	-46.85	-233.0	Consistent with biogenic and thermogenic mix
28-Sep-10	MW14	3.41	1.6	-40.59	-202.7	Consistent with biogenic and thermogenic mix
28-Sep-10	MW17	2.74	1.5	-44.88	-193.3	Consistent with biogenic and thermogenic mix

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

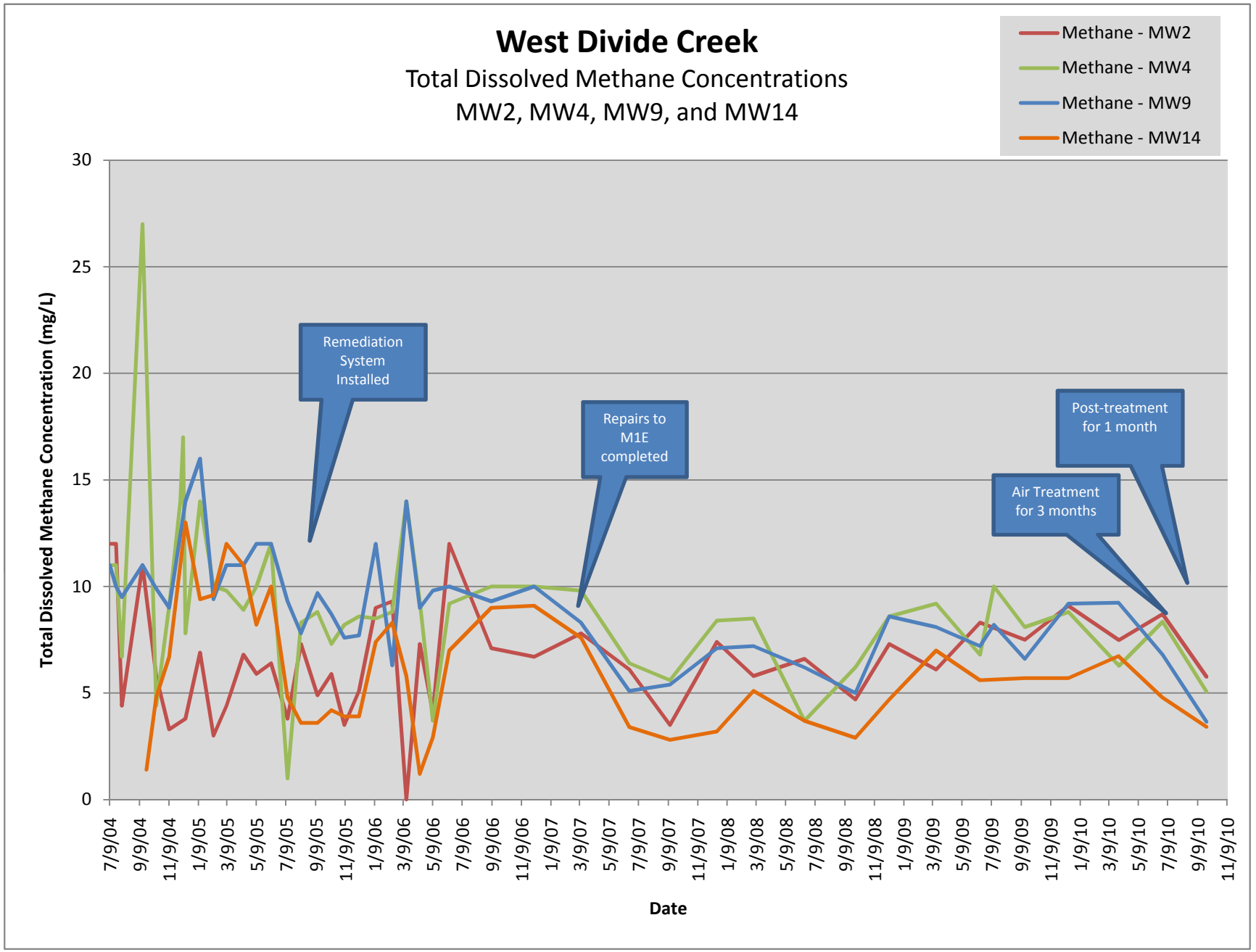
		Water Sample	Percentage, Hydrocarbon only basis															
Date	Site ID	Total Methane mg/L	C_1	C_2	C_3	iC_4	nC_4	iC_5	nC_5	C_6+	$\delta^{13}C_1$ per mil	δDC_1 per mil	C1/ (C2 + C3)	Biogenic only?	Fraction from Biogenic Source	Biogenic Methane mg/L	Thermog Methane mg/L	Total Methane (check) mg/L
28-Sep-10	MW2	5.77	84.729%	10.755%	3.301%	0.450%	0.496%	0.118%	0.065%	0.086%	-40.52	-180.3	6.0E+00		0.274	1.583	4.187	5.77
28-Sep-10	MW4	5.07	86.801%	9.097%	2.871%	0.473%	0.459%	0.132%	0.073%	0.095%	-39.23	-175.3	7.3E+00		0.373	1.891	3.179	5.07
29-Sep-10	MW9	3.65	90.168%	6.625%	2.232%	0.384%	0.384%	0.119%	0.026%	0.063%	-46.85	-233	1.0E+01		0.533	1.945	1.705	3.65
28-Sep-10	MW14	3.41	89.906%	7.109%	2.191%	0.276%	0.347%	0.074%	0.046%	0.052%	-40.59	-202.7	9.7E+00		0.520	1.775	1.635	3.41
28-Sep-10	MW17	2.74	88.834%	10.142%	0.882%	0.065%	0.059%	0.009%	0.000%	0.009%	-44.88	-193.3	8.1E+00		0.470	1.287	1.453	2.74

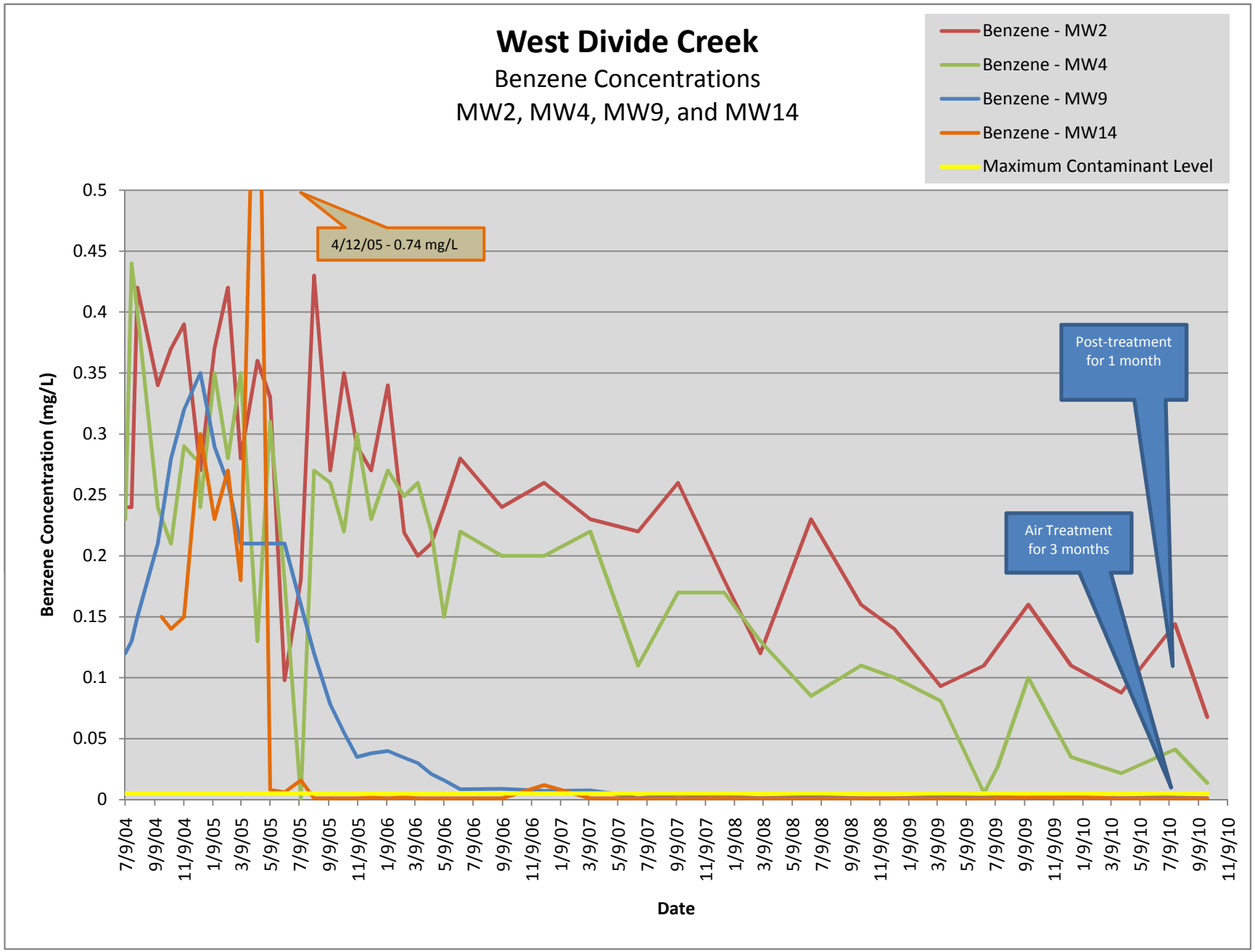
Appendix E - Raw Thermogenic Methane Data for West Divide Creek Seep Study Area

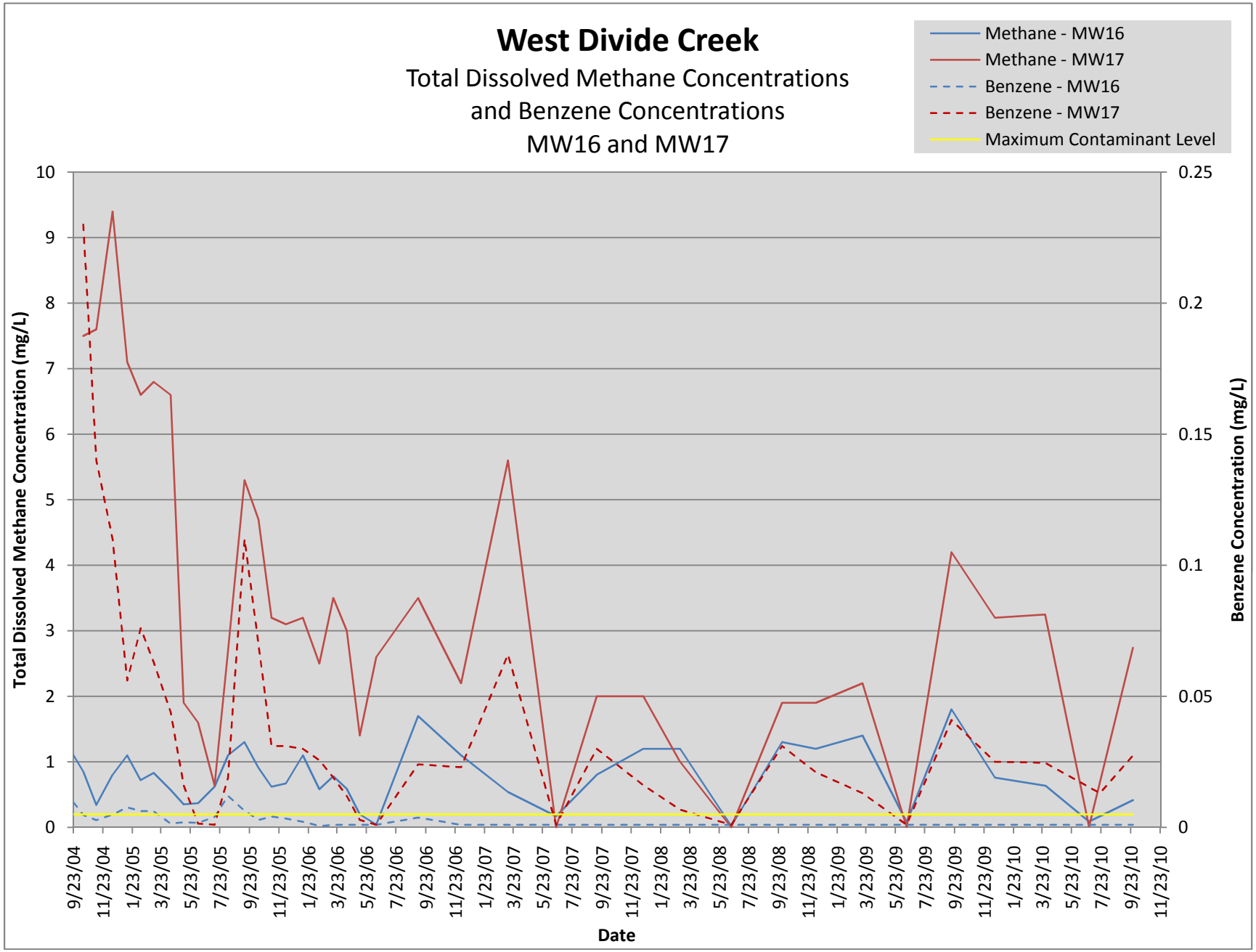
		Water Sample	Isotech Gas Data															
Date	Site ID	Methane mg/L	Ar %	O_2 %	CO_2 %	N_2 %	C_1 %	C_2 %	C_3 %	iC_4 %	nC_4 %	iC_5 %	nC_5 %	C_6+ %	$\delta^{13}C_1$ per mil	δDC_1 per mil	$\delta^{13}C_2$ per mil	$\delta^{13}C_3$ per mil
28-Sep-10	MW2	5.77	0.435	7.18	2.62	20.38	58.77	7.46	2.29	0.312	0.344	0.0821	0.0451	0.0595	-40.52	-180.3	-27.81	-25.58
28-Sep-10	MW4	5.07	0.919	5.99	3.38	44.36	39.31	4.12	1.30	0.214	0.208	0.0598	0.0329	0.0429	-39.23	-175.3	-27.12	-25.76
29-Sep-10	MW9	3.65	1.11	5.07	7.95	51.41	31.03	2.28	0.768	0.132	0.132	0.0411	0.0090	0.0216	-46.85	-233.0	-28.31	-25.82
28-Sep-10	MW14	3.41	1.26	0.075	10.40	57.18	27.95	2.21	0.681	0.0857	0.108	0.0231	0.0142	0.0161	-40.59	-202.7	-28.08	-25.01
28-Sep-10	MW17	2.74	1.31	0.034	5.25	63.14	26.89	3.07	0.267	0.0197	0.0178	0.0027	0	0.0027	-44.88	-193.3	-28.02	-22.18

APPENDIX F

Graphs
included as .pdf file on CD in back


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
3/9/10
5/9/10
7/9/10
9/9/10
11/9/10
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
3/9/10
5/9/10
7/9/10
9/9/10
11/9/10
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
1/23/09
3/23/09
5/23/09
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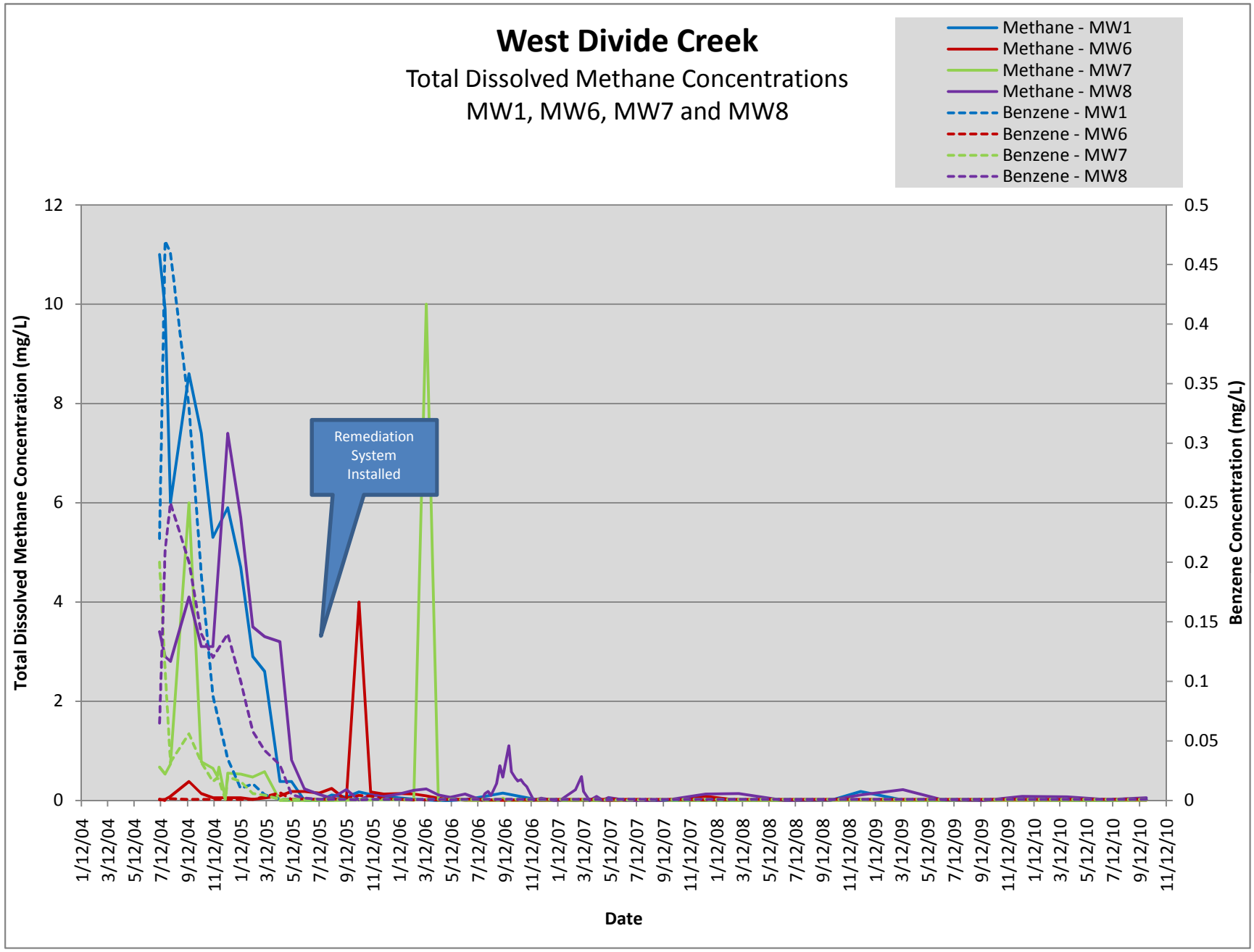
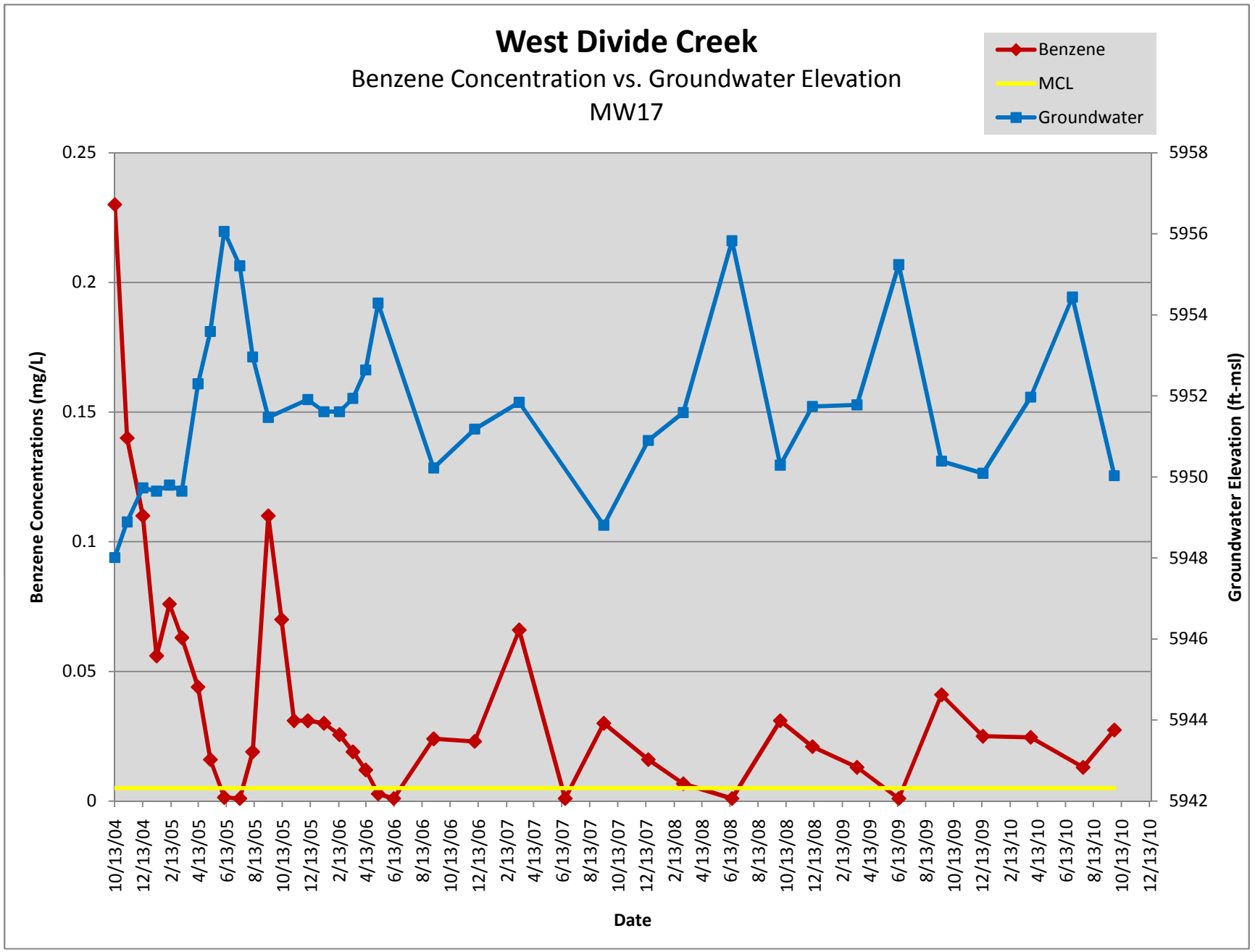
9/23/10
11/23/10


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
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
3/12/10
5/12/10
7/12/10
9/12/10
11/12/10


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
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4/13/09
6/13/09
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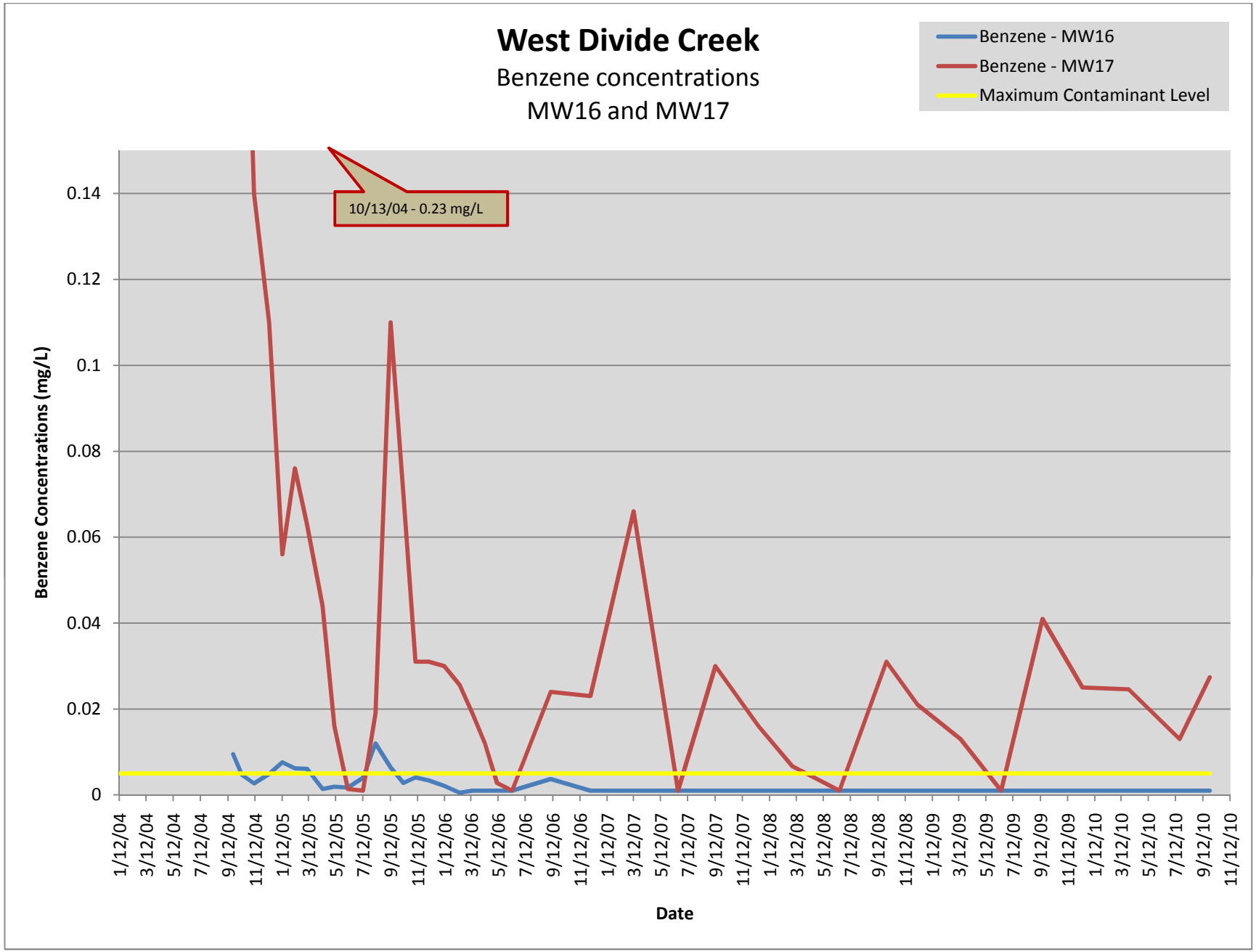
10/13/10
12/13/10


West Divide Creek
Benzene concentrations
MW16 and MW17
Benzene - MW16
Benzene - MW17
Maximum Contaminant Level
10/13/04 - 0.23 mg/L
Benzene Concentrations (mg/L)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
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
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7/12/09
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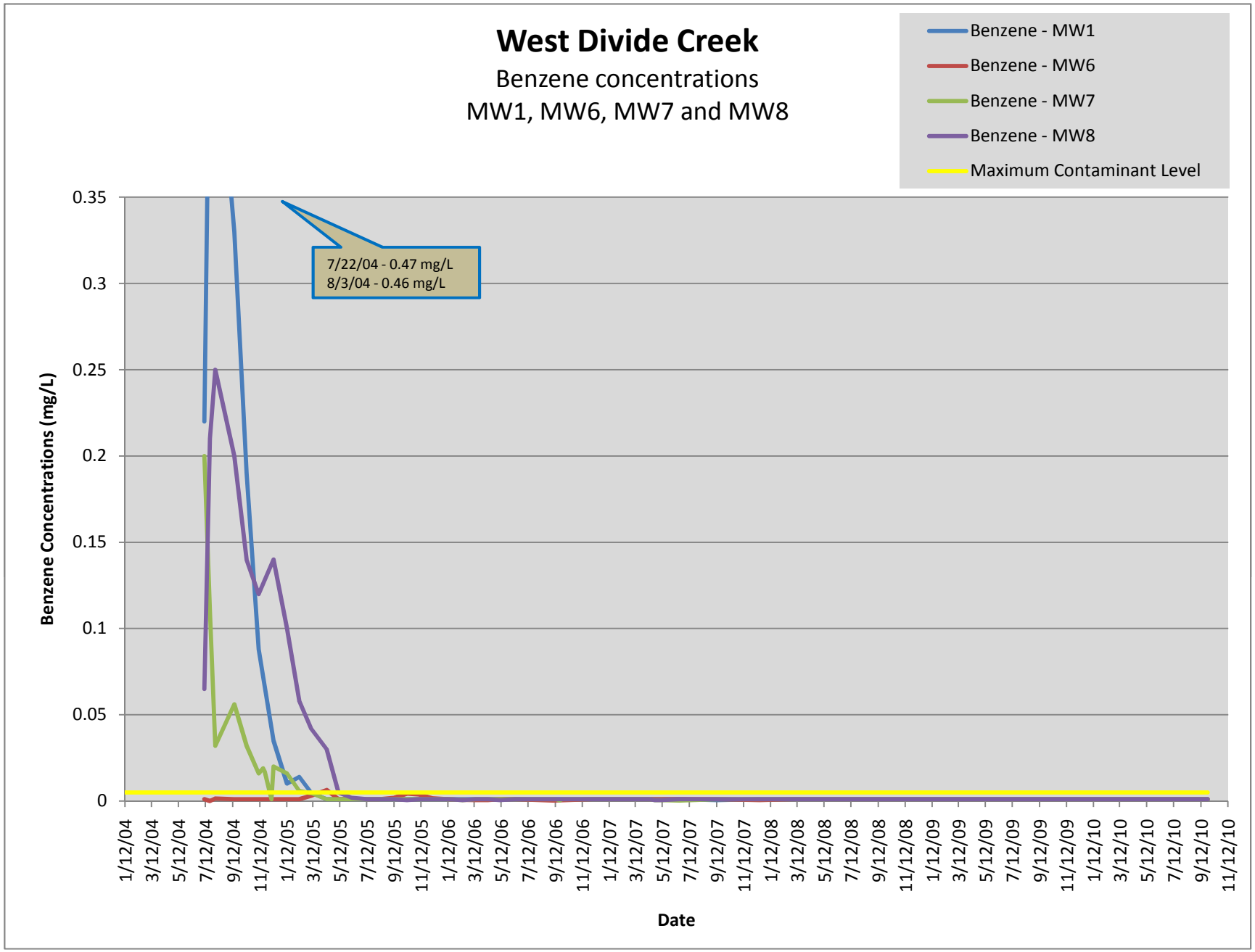
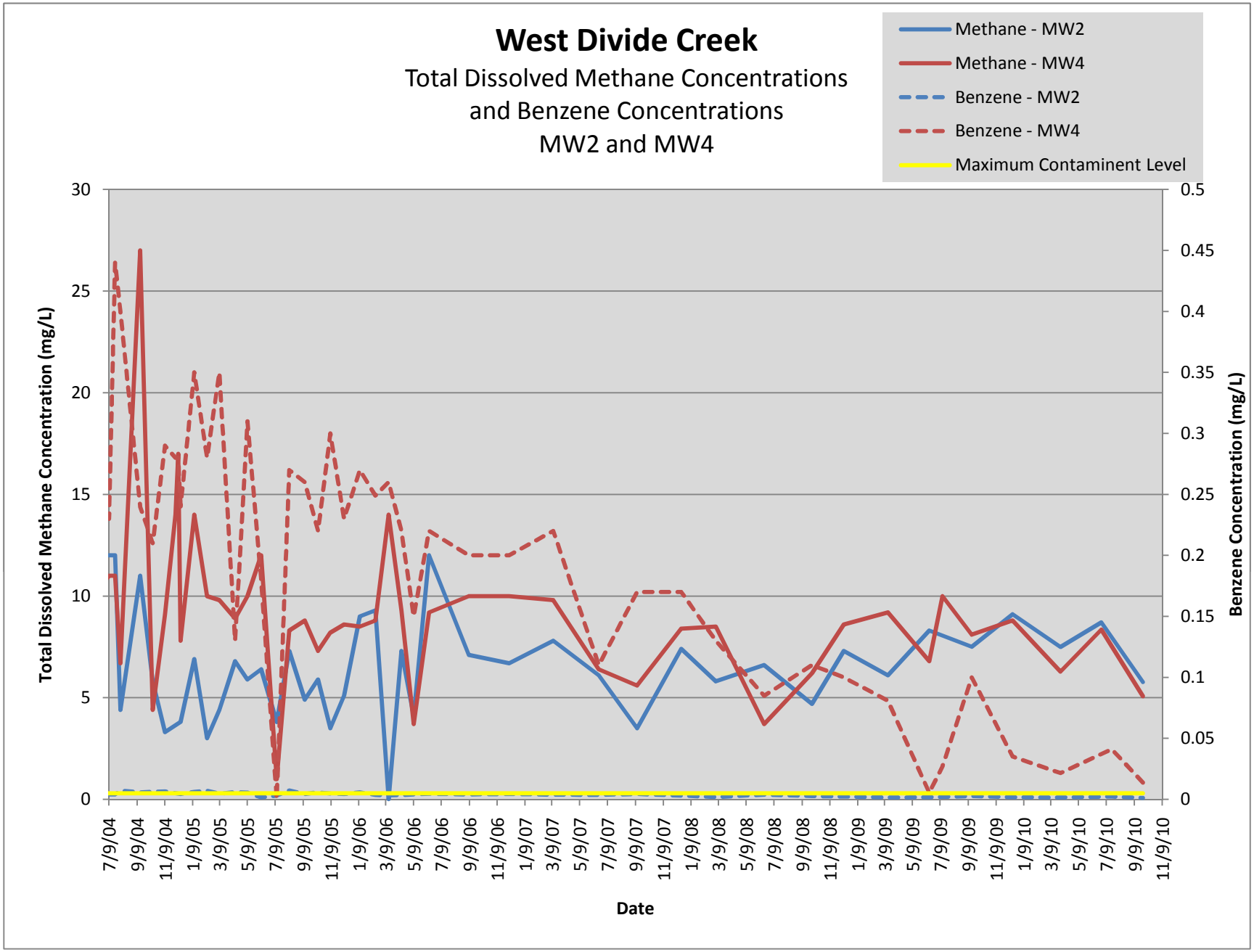
1/12/10
3/12/10
5/12/10
7/12/10
9/12/10
11/12/10
Date


West Divide Creek
Benzene concentrations
MW1, MW6, MW7 and MW8
Benzene - MW1
Benzene - MW6
Benzene - MW7
Benzene - MW8
Maximum Contaminant Level
7/22/04 - 0.47 mg/L
8/3/04 - 0.46 mg/L
Benzene Concentrations (mg/L)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
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
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
3/12/10
5/12/10
7/12/10
9/12/10
11/12/10
Date


West Divide Creek
Total Dissolved Methane Concentrations
and Benzene Concentrations
MW2 and MW4
Methane - MW2
Methane - MW4
Benzene - MW2
Benzene - MW4
Maximum Contaminent Level
Total Dissolved Methane Concentration (mg/L)
Benzene Concentration (mg/L)
Date
0
5
10
15
20
25
30
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
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
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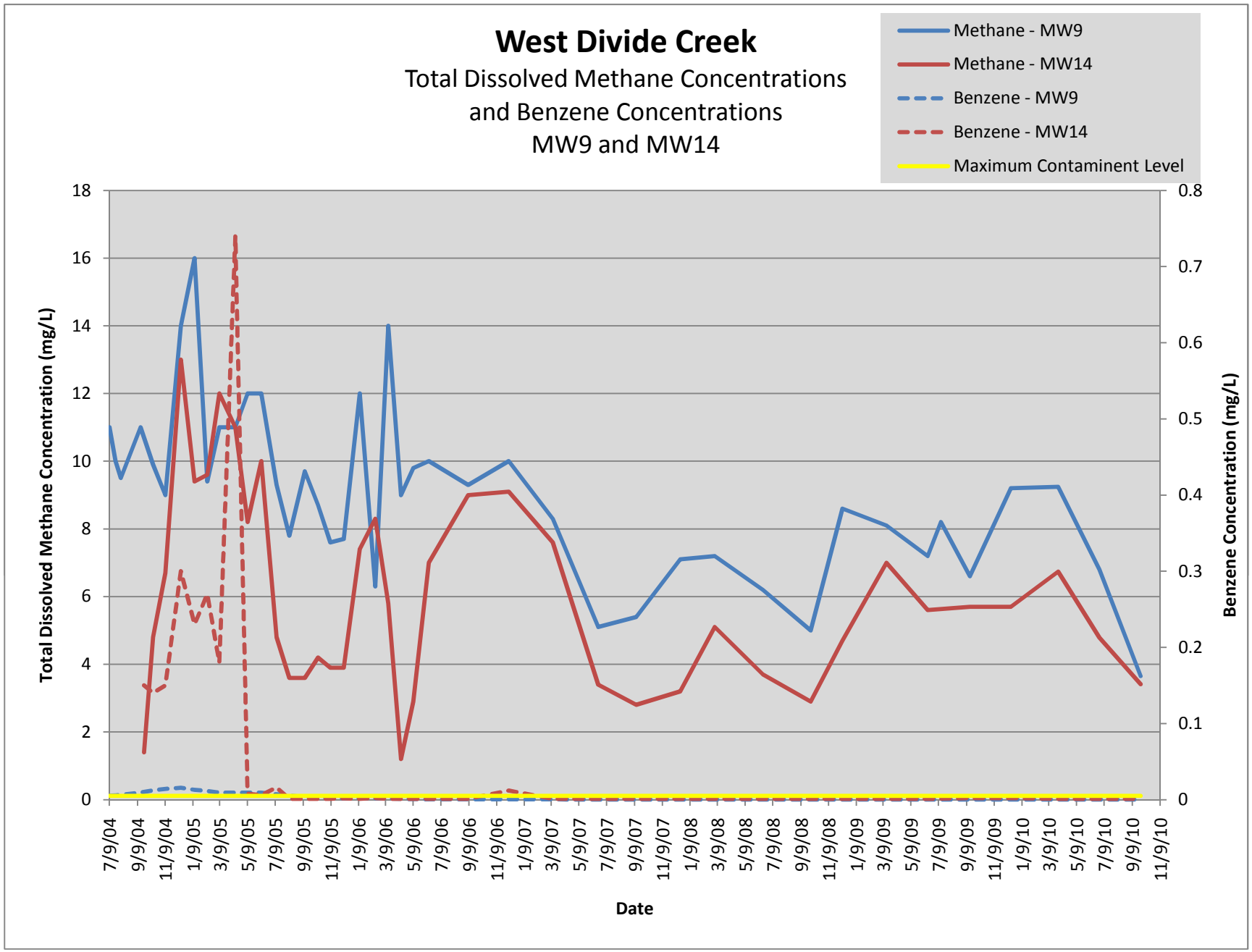
3/9/09
5/9/09
7/9/09
9/9/09
11/9/09
1/9/10
3/9/10
5/9/10
7/9/10
9/9/10
11/9/10


West Divide Creek
Total Dissolved Methane Concentrations
and Benzene Concentrations
MW9 and MW14
Methane - MW9
Methane - MW14
Benzene - MW9
Benzene - MW14
Maximum Contaminent Level
Total Dissolved Methane Concentration (mg/L)
Benzene Concentration (mg/L)
Date
0
2
4
6
8
10
12
14
16
18
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
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
3/9/10
5/9/10
7/9/10
9/9/10
11/9/10

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

Mountain States ACCUTEST LABORATORIES

10/11/10

Technical Report for

Olsson Associates

Divide Creek Quarterly

Accutest Job Number: D17738

Sampling Date: 09/27/10

Report to:

Olsson Associates
826 21 1/2 Road
Grand Junction, CO 81505
shall@oaconsulting.com

ATTN: Stuart Hall

Total number of pages in report: **114**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

John Hamilton
Laboratory Director

Client Service contact: Amanda Kissell 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

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Sample Summary

Olsson Associates

Divide Creek Quarterly

Job No: D17738

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D17738-1	09/27/10	09:35	AS	09/28/10	AQ	Ground Water	MW6
D17738-1F	09/27/10	09:35	AS	09/28/10	AQ	Groundwater Filtered	MW6
D17738-2	09/27/10	09:50	AS	09/28/10	AQ	Ground Water	MW7
D17738-2F	09/27/10	09:50	AS	09/28/10	AQ	Groundwater Filtered	MW7
D17738-3	09/27/10	10:00	AS	09/28/10	AQ	Ground Water	MW8
D17738-3F	09/27/10	10:00	AS	09/28/10	AQ	Groundwater Filtered	MW8
D17738-4	09/27/10	10:10	AS	09/28/10	AQ	Ground Water	MW17
D17738-4F	09/27/10	10:10	AS	09/28/10	AQ	Groundwater Filtered	MW17
D17738-5	09/27/10	10:35	AS	09/28/10	AQ	Ground Water	MW1
D17738-5F	09/27/10	10:35	AS	09/28/10	AQ	Groundwater Filtered	MW1
D17738-6	09/27/10	10:45	AS	09/28/10	AQ	Ground Water	MW16
D17738-6F	09/27/10	10:45	AS	09/28/10	AQ	Groundwater Filtered	MW16
D17738-7	09/27/10	11:05	AS	09/28/10	AQ	Ground Water	MW2

Sample Summary
(continued)

Olsson Associates

Job No: D17738

Divide Creek Quarterly

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D17738-7F	09/27/10	11:05	AS	09/28/10	AQ	Groundwater Filtered	MW2
D17738-8	09/27/10	11:30	AS	09/28/10	AQ	Ground Water	MW26
D17738-8F	09/27/10	11:30	AS	09/28/10	AQ	Groundwater Filtered	MW26
D17738-9	09/27/10	00:00	AS	09/28/10	AQ	Water Dup/MSD	DUP01
D17738-9F	09/27/10	00:00	AS	09/28/10	AQ	Groundwater Filtered	DUP01
D17738-10	09/27/10	12:20	AS	09/28/10	AQ	Ground Water	MW11
D17738-10F	09/27/10	12:20	AS	09/28/10	AQ	Groundwater Filtered	MW11
D17738-11	09/27/10	12:30	AS	09/28/10	AQ	Ground Water	MW25
D17738-11F	09/27/10	12:30	AS	09/28/10	AQ	Groundwater Filtered	MW25
D17738-12	09/27/10	09:45	AS	09/28/10	AQ	Ground Water	MW21
D17738-12F	09/27/10	09:45	AS	09/28/10	AQ	Groundwater Filtered	MW21
D17738-13	09/27/10	10:05	AS	09/28/10	AQ	Ground Water	MW20
D17738-13F	09/27/10	10:05	AS	09/28/10	AQ	Groundwater Filtered	MW20

Sample Summary
(continued)

Olsson Associates

Job No: D17738

Divide Creek Quarterly

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D17738-14	09/27/10	10:30	AS	09/28/10	AQ	Ground Water	MW22
D17738-14F	09/27/10	10:30	AS	09/28/10	AQ	Groundwater Filtered	MW22
D17738-15	09/27/10	10:45	AS	09/28/10	AQ	Ground Water	MW18
D17738-15F	09/27/10	10:45	AS	09/28/10	AQ	Groundwater Filtered	MW18
D17738-16	09/27/10	11:15	AS	09/28/10	AQ	Ground Water	MW4
D17738-16F	09/27/10	11:15	AS	09/28/10	AQ	Groundwater Filtered	MW4
D17738-17	09/27/10	11:55	AS	09/28/10	AQ	Ground Water	MW12
D17738-17F	09/27/10	11:55	AS	09/28/10	AQ	Groundwater Filtered	MW12
D17738-18	09/27/10	12:45	AS	09/28/10	AQ	Ground Water	MW14
D17738-18F	09/27/10	12:45	AS	09/28/10	AQ	Groundwater Filtered	MW14
D17738-19	09/27/10	13:00	AS	09/28/10	AQ	Ground Water	MW9
D17738-19F	09/27/10	13:00	AS	09/28/10	AQ	Groundwater Filtered	MW9
D17738-20	09/27/10	13:30	AS	09/28/10	AQ	Ground Water	MW24

Sample Summary
(continued)

Olsson Associates

Job No: D17738

Divide Creek Quarterly

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D17738-20F	09/27/10	13:30	AS	09/28/10	AQ	Groundwater Filtered	MW24

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Olsson Associates	**Job No**	D17738
Site:	Divide Creek Quarterly	**Report Dat**	10/11/2010 9:11:59 AM

On 09/28/2010, 20 samples, 0 Trip Blanks, and 0 Field Blanks were received at Accutest Mountain States (AMS) at a temperature of 4.2°C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D17738 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method RSK175 MOD

Matrix AQ **Batch ID:** GFB68

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17738-1MS and D17738-1MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8021B

Matrix AQ **Batch ID:** GTA547

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17738-1MS and D17738-1MSD were used as the QC samples indicated.
- Sample GTA547-BS has the surrogate outside control limits. Probable cause due to matrix interference.

Metals By Method SW846 6010B

Matrix AQ **Batch ID:** MP3064

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17738-1FMS and D17738-1FMSD were used as the QC samples for the metals analysis.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix	AQ	Batch ID:	GP2873

- All samples were prepared and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17738-8MS and D17738-8MSD were used as the QC samples for the Chloride analysis.

Matrix	AQ	Batch ID:	GP2877

- All samples were prepared and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17738-11MS and D17738-11MSD were used as the QC samples for the Chloride analysis.

Matrix	AQ	Batch ID:	GP2878

- All samples were prepared and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17738-19DUP and D17738-20MS were used as the QC samples for the Chloride analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW6		
Lab Sample ID:	D17738-1	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2555.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00434	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW6		
Lab Sample ID:	D17738-1	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9140.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	81%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW6		
Lab Sample ID:	D17738-1	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	12.3	0.50	mg/l	1	09/28/10 13:44	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW6		
Lab Sample ID:	D17738-1F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	96600	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW7		
Lab Sample ID:	D17738-2	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2556.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0014	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7		
Lab Sample ID:	D17738-2	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9143.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7		
Lab Sample ID:	D17738-2	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	26.4	0.50	mg/l	1	09/28/10 14:00	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW7		
Lab Sample ID:	D17738-2F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	128000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW8		
Lab Sample ID:	D17738-3	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2557.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0531	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8		
Lab Sample ID:	D17738-3	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9144.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8		
Lab Sample ID:	D17738-3	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	29.4	1.0	mg/l	2	09/28/10 21:42	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW8		
Lab Sample ID:	D17738-3F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	166000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW17		
Lab Sample ID:	D17738-4	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2579.D	10	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	2.74	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW17		
Lab Sample ID:	D17738-4	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9145.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	27.4	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW17		
Lab Sample ID:	D17738-4	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	41.2	1.0	mg/l	2	09/28/10 14:30	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW17		
Lab Sample ID:	D17738-4F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	230000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW1		
Lab Sample ID:	D17738-5	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2559.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0200	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1		
Lab Sample ID:	D17738-5	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9146.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	82%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1		
Lab Sample ID:	D17738-5	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	21.4	1.0	mg/l	2	09/28/10 14:46	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1		
Lab Sample ID:	D17738-5F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	208000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW16		
Lab Sample ID:	D17738-6	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2560.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.413	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16		
Lab Sample ID:	D17738-6	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9147.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW16		
Lab Sample ID:	D17738-6	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	37.7	1.0	mg/l	2	09/28/10 21:57	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW16		
Lab Sample ID:	D17738-6F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	249000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW2		
Lab Sample ID:	D17738-7	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2580.D	20	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5.77	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2		
Lab Sample ID:	D17738-7	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9148.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	67.7	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	14.0	2.0	2.0	ug/l	
95-47-6	o-Xylene	2.1	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	80%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2		
Lab Sample ID:	D17738-7	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	41.0	2.5	mg/l	5	09/28/10 22:13	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2		
Lab Sample ID:	D17738-7F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	125000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW26		
Lab Sample ID:	D17738-8	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2562.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.512	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW26		
Lab Sample ID:	D17738-8	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9149.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	80%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW26		
Lab Sample ID:	D17738-8	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	4.5	0.50	mg/l	1	09/28/10 15:47	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW26		
Lab Sample ID:	D17738-8F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	84600	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP01		
Lab Sample ID:	D17738-9	**Date Sampled:**	09/27/10
Matrix:	AQ - Water Dup/MSD	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2563.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.569	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP01		
Lab Sample ID:	D17738-9	**Date Sampled:**	09/27/10
Matrix:	AQ - Water Dup/MSD	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9150.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP01		
Lab Sample ID:	D17738-9	**Date Sampled:**	09/27/10
Matrix:	AQ - Water Dup/MSD	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	4.5	0.50	mg/l	1	09/28/10 16:03	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP01		
Lab Sample ID:	D17738-9F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	80500	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW11		
Lab Sample ID:	D17738-10	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2564.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0646	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11		
Lab Sample ID:	D17738-10	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9151.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	80%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW11		
Lab Sample ID:	D17738-10	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	16.5	0.50	mg/l	1	09/28/10 17:51	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW11		
Lab Sample ID:	D17738-10F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	39500	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW25		
Lab Sample ID:	D17738-11	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2566.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0519	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW25		
Lab Sample ID:	D17738-11	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9153.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	82%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW25		
Lab Sample ID:	D17738-11	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	15.3	0.50	mg/l	1	09/29/10 13:37	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW25		
Lab Sample ID:	D17738-11F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	37400	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW21		
Lab Sample ID:	D17738-12	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2567.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW21		
Lab Sample ID:	D17738-12	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9154.D	1	09/28/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	77%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW21		
Lab Sample ID:	D17738-12	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	16.4	0.50	mg/l	1	09/29/10 13:52	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW21		
Lab Sample ID:	D17738-12F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	236000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW20		
Lab Sample ID:	D17738-13	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2568.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00466	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW20		
Lab Sample ID:	D17738-13	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9155.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	81%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW20		
Lab Sample ID:	D17738-13	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	13.6	0.50	mg/l	1	09/29/10 14:08	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW20		
Lab Sample ID:	D17738-13F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	96500	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW22		
Lab Sample ID:	D17738-14	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2569.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22		
Lab Sample ID:	D17738-14	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9156.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	76%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22		
Lab Sample ID:	D17738-14	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	16.6	0.50	mg/l	1	09/29/10 14:23	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW22		
Lab Sample ID:	D17738-14F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	104000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW18		
Lab Sample ID:	D17738-15	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2570.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00498	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW18		
Lab Sample ID:	D17738-15	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9157.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW18		
Lab Sample ID:	D17738-15	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	4.8	0.50	mg/l	1	09/29/10 16:57	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW18		
Lab Sample ID:	D17738-15F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	64400	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW4		
Lab Sample ID:	D17738-16	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2581.D	10	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5.07	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4		
Lab Sample ID:	D17738-16	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9158.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	13.7	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	7.0	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	78%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW4		
Lab Sample ID:	D17738-16	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	29.8	0.50	mg/l	1	09/29/10 17:12	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW4		
Lab Sample ID:	D17738-16F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	124000	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW12		
Lab Sample ID:	D17738-17	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2572.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.288	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW12		
Lab Sample ID:	D17738-17	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9159.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	79%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW12		
Lab Sample ID:	D17738-17	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	23.2	0.50	mg/l	1	09/29/10 17:28	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW12		
Lab Sample ID:	D17738-17F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	85700	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW14		
Lab Sample ID:	D17738-18	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2582.D	10	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3.41	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW14		
Lab Sample ID:	D17738-18	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9160.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	84%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14		
Lab Sample ID:	D17738-18	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	12.9	0.50	mg/l	1	09/29/10 17:43	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14		
Lab Sample ID:	D17738-18F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	49700	400	ug/l	1	10/05/10	10/06/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1026
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW9		
Lab Sample ID:	D17738-19	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2583.D	10	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3.65	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9		
Lab Sample ID:	D17738-19	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9161.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	78%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW9		
Lab Sample ID:	D17738-19	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	20.2	0.50	mg/l	1	09/29/10 22:51	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW9		
Lab Sample ID:	D17738-19F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	49400	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW24		
Lab Sample ID:	D17738-20	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2575.D	1	09/29/10	JB	n/a	n/a	GFB68
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00418	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24		
Lab Sample ID:	D17738-20	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9162.D	1	09/29/10	BR	n/a	n/a	GTA547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW24		
Lab Sample ID:	D17738-20	**Date Sampled:**	09/27/10
Matrix:	AQ - Ground Water	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	3.9	0.50	mg/l	1	09/29/10 23:07	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW24		
Lab Sample ID:	D17738-20F	**Date Sampled:**	09/27/10
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/28/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	41600	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3064

RL = Reporting Limit

Mountain States ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

D17738

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 Road
City: G.J. State: CO Zip: 81505
Project Contact: Stuart Hall E-mail: shall@oacensult.com
Phone #: 970-263-7800 Fax #:
Sampler(s) Name(s): Aaron Stacy Phone #:

Project Information

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

Billing Information (if different from Report to)

Company Name: Same
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	ENCORE	BTEX	D35, methane	Cl	Dissolved Phos. Filter	LAB USE ONLY
	MW6		9/27/10	935	AS	W	8					X				X	X	X	X	01
	MW7			950	AS	W	8					X				X	X	X	X	02
	MW8			1000	AS	W	8					X				X	X	X	X	03
	MW17			1010	AS	W	8					X				X	X	X	X	04
	MW1			1035	AS	W	8					X				X	X	X	X	05
	MW16			1045	AS	W	8					X				X	X	X	X	06
	MW2			1105	AS	W	8					X				X	X	X	X	07
	MW26			1130	AS	W	8					X				X	X	X	X	08
	DUP01			—	AS	W	8					X				X	X	X	X	09
	MW11			1220	AS	W	8					X				X	X	X	X	10
	MW25			1230	AS	W	8					X				X	X	X	X	11
																				12

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
- ☐ Level 2
- ☐ Level 3
- ☐ Level 4
- ☐ PDF
- ☐ EDD Format
- ☐ Other

Level 1 = Results Only
Level 2 = Results + QC Summary + Case Narrative
Level 3 = Results + QC Summary + Partial Raw data
Level 4 = Full Deliverable

Comments / Special Instructions

* - HNO3 was washed out prior to sampling. Please filter prior to acidifying.
600 Nutrient

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		09/27/10 1630	1 Cooler/bottles	2		2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	☒ Intact ☐ Not Intact	Preserved where applicable ☒ On Ice ☒ Cooler Temp. 4.2

D17738: Chain of Custody
Page 1 of 2

CHAIN OF CUSTODY

D17738

PAGE 2 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: See 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)

BTEX
Diss. methane
Cl
Dissolved Nat - Please Filter

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	ENCORE	LAB USE ONLY
	MW21		9/27/10	945	JV	W	3					X				12
	MW20			1005	JV	W	9					X				13
	MW22			1030	JV	W	8					X				14
	MW18			1045	JV	W	8					X				15
	MW4			1115	JV	W	8					X				16
	MW12			1155	JV	W	8					X				17
	MW14			1245	JV	W	9					X				18
	MW9			1300	JV	W	9					X				19

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
- Level 2
- Level 3
- Level 4
- PDF
- EDD Format
- Other

Level 1 = Results Only
Level 2 = Results + QC Summary + Case Narrative
Level 3 = Results + QC Summary + Partial Raw data
Level 4 = Full Deliverable

Comments / Special Instructions

extra sample noted on COC.
MW26 @ 1330 per client
should be MW24 add'd analyzed
9/30 SR

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		9-27-10 1630	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:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☒	On Ice ☒	Cooler Temp. 4.2

4.1 4

D17738: Chain of Custody
Page 2 of 2

Mountain States ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D17738
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFB68-MB	FB2551.D	1	09/29/10	JB	n/a	n/a	GFB68

The QC reported here applies to the following samples: **Method:** RSK175 MOD

D17738-1, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9, D17738-10, D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18, D17738-19, D17738-20

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.00080	0.00080	mg/l	

Method Blank Summary

Job Number: D17738
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTA547-MB	TA9138.D	1	09/28/10	BR	n/a	n/a	GTA547

The QC reported here applies to the following samples: **Method:** SW846 8021B

D17738-1, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9, D17738-10, D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18, D17738-19, D17738-20

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	79%	60-140%

Blank Spike Summary

Job Number: D17738
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTA547-BS	TA9139.D	1	09/28/10	BR	n/a	n/a	GTA547

The QC reported here applies to the following samples: **Method:** SW846 8021B

D17738-1, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9, D17738-10, D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18, D17738-19, D17738-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	27.2	22.3	82	70-130
100-41-4	Ethylbenzene	45.6	42.0	92	70-130
108-88-3	Toluene	212	181	86	70-130
95-47-6	o-Xylene	65.9	55.4	84	70-130
	m,p-Xylene	150	145	97	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	0%*	60-140%
120-82-1	1,2,4-Trichlorobenzene	91%	60-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: D17738
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFB68-BS	FB2552.D	10	09/29/10	JB	n/a	n/a	GFB68
GFB68-BSD	FB2553.D	10	09/29/10	JB	n/a	n/a	GFB68

The QC reported here applies to the following samples: **Method:** RSK175 MOD

D17738-1, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9, D17738-10, D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18, D17738-19, D17738-20

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	0.5094	0.600	118	0.587	115	2	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D17738
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D17738-1MS	FB2577.D	10	09/29/10	JB	n/a	n/a	GFB68
D17738-1MSD	FB2578.D	10	09/29/10	JB	n/a	n/a	GFB68
D17738-1	FB2555.D	1	09/29/10	JB	n/a	n/a	GFB68

The QC reported here applies to the following samples: **Method:** RSK175 MOD

D17738-1, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9, D17738-10, D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18, D17738-19, D17738-20

CAS No.	Compound	D17738-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	0.00434		0.5094	0.576	113	0.581	114	1	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D17738
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D17738-1MS	TA9141.D	1	09/28/10	BR	n/a	n/a	GTA547
D17738-1MSD	TA9142.D	1	09/28/10	BR	n/a	n/a	GTA547
D17738-1	TA9140.D	1	09/28/10	BR	n/a	n/a	GTA547

The QC reported here applies to the following samples: **Method:** SW846 8021B

D17738-1, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9, D17738-10, D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18, D17738-19, D17738-20

CAS No.	Compound	D17738-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		27.2	23.6	87	23.6	87	0	70-130/30
100-41-4	Ethylbenzene	ND		45.6	43.4	95	43.6	96	0	62-130/30
108-88-3	Toluene	ND		212	188	89	188	89	0	70-130/30
95-47-6	o-Xylene	ND		65.9	56.4	86	57.3	87	2	63-130/30
	m,p-Xylene	ND		150	148	99	149	99	1	70-134/30

CAS No.	Surrogate Recoveries	MS	MSD	D17738-1	Limits
120-82-1	1,2,4-Trichlorobenzene	87%	93%	81%	60-140%

Mountain States ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/05/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	7	49		
Antimony	30	1.7	13		
Arsenic	25	2.8	6.5		
Barium	10	.14	2.4		
Beryllium	10	1.4	4.4		
Boron	50	3.5	19		
Cadmium	10	.22	1.2		
Calcium	400	17	9.2		
Chromium	10	.27	1.6		
Cobalt	5.0	.48	.3		
Copper	5.0	1.6	2.7		
Iron	70	7.7	10		
Lead	50	1.3	3.2		
Lithium	2.0	.76	1.6		
Magnesium	200	5.8	12		
Manganese	5.0	.21	.7		
Molybdenum	10	.41	1.2		
Nickel	30	.38	.6		
Phosphorus	100	15	54		
Potassium	1000	380	540		
Selenium	50	2.8	7.2		
Silicon	50	12	20		
Silver	30	.98	.3		
Sodium	400	230	23	189	<400
Strontium	5.0	.091	3.4		
Thallium	10	3.1	2.1		
Tin	50	14	4.4		
Titanium	10	.098	.7		
Uranium	50	2.2	3.9		
Vanadium	10	.27	.3		
Zinc	30	.76	1.7		

Associated samples MP3064: D17738-1F, D17738-2F, D17738-3F, D17738-4F, D17738-5F, D17738-6F, D17738-7F, D17738-8F, D17738-9F, D17738-10F, D17738-11F, D17738-12F, D17738-13F, D17738-14F, D17738-15F, D17738-16F, D17738-17F, D17738-18F, D17738-19F, D17738-20F

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/05/10

Metal	D17738-1F Original MS		Spikelot MPICPALL	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	96600	126000	25000	117.6	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP3064: D17738-1F, D17738-2F, D17738-3F, D17738-4F, D17738-5F, D17738-6F, D17738-7F, D17738-8F, D17738-9F, D17738-10F, D17738-11F, D17738-12F, D17738-13F, D17738-14F, D17738-15F, D17738-16F, D17738-17F, D17738-18F, D17738-19F, D17738-20F

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/05/10

Metal	D17738-1F Original	MSD	Spikelot MPICPALL	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	96600	125000	25000	113.6	0.8	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP3064: D17738-1F, D17738-2F, D17738-3F, D17738-4F, D17738-5F, D17738-6F, D17738-7F, D17738-8F, D17738-9F, D17738-10F, D17738-11F, D17738-12F, D17738-13F, D17738-14F, D17738-15F, D17738-16F, D17738-17F, D17738-18F, D17738-19F, D17738-20F

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/05/10

Metal	BSP Result	Spikelot MPICPALL	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	27200	25000	108.8	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP3064: D17738-1F, D17738-2F, D17738-3F, D17738-4F, D17738-5F, D17738-6F, D17738-7F, D17738-8F, D17738-9F, D17738-10F, D17738-11F, D17738-12F, D17738-13F, D17738-14F, D17738-15F, D17738-16F, D17738-17F, D17738-18F, D17738-19F, D17738-20F

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3064
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Mountain States ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP2877/GN6602	0.20	0.0	mg/l	20	18.8	94.0	90-110%
Chloride	GP2873/GN6593	0.50	0.17	mg/l	20	21.3	106.5	90-110%
Chloride	GP2877/GN6602	0.50	0.0	mg/l	20	21.3	106.5	90-110%
Chloride	GP2878/GN6602	0.50	0.0	mg/l	20	21.3	106.5	90-110%
Nitrogen, Nitrate	GP2873/GN6593	0.045	0.0	mg/l	4.52	4.16	92.1	90-110%
Nitrogen, Nitrate	GP2877/GN6602	0.045	0.0	mg/l	4.52	4.18	92.5	90-110%
Nitrogen, Nitrite	GP2873/GN6593	0.061	0.0	mg/l	6.09	6.15	101.0	90-110%
Nitrogen, Nitrite	GP2877/GN6602	0.061	0.0	mg/l	6.09	6.20	101.8	90-110%
Sulfate	GP2873/GN6593	0.50	0.0	mg/l	30	29.1	97.0	90-110%
Sulfate	GP2877/GN6602	0.50	0.0	mg/l	30	29.7	99.0	90-110%

Associated Samples:
Batch GP2873: D17738-1, D17738-10, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9
Batch GP2877: D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18
Batch GP2878: D17738-19, D17738-20
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP2878/GN6602	D17738-19	mg/l	20.2	20.4	1.0	0-20%

Associated Samples:
Batch GP2878: D17738-19, D17738-20
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP2877/GN6602	D17738-11	mg/l	0.10	2.5	2.1	80.0	80-120%
Chloride	GP2873/GN6593	D17738-8	mg/l	4.5	10	13.6	91.0	80-120%
Chloride	GP2877/GN6602	D17738-11	mg/l	15.3	10	25.7	104.0	80-120%
Chloride	GP2878/GN6602	D17738-20	mg/l	3.9	10	13.1	92.0	80-120%
Nitrogen, Nitrate	GP2873/GN6593	D17738-8	mg/l	0.085	0.565	0.67	103.5	80-120%
Nitrogen, Nitrate	GP2877/GN6602	D17738-11	mg/l	0.063	0.565	0.64	102.1	80-120%
Nitrogen, Nitrite	GP2873/GN6593	D17738-8	mg/l	0.0	0.305	0.28	92.0	80-120%
Nitrogen, Nitrite	GP2877/GN6602	D17738-11	mg/l	0.0	0.305	0.28	92.0	80-120%
Sulfate	GP2873/GN6593	D17738-8	mg/l	9.9	10	19.9	100.0	80-120%
Sulfate	GP2877/GN6602	D17738-11	mg/l	11.3	10	21.4	101.0	80-120%

Associated Samples:
Batch GP2873: D17738-1, D17738-10, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9
Batch GP2877: D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18
Batch GP2878: D17738-19, D17738-20
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17738
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP2877/GN6602	D17738-11	mg/l	0.10	2.5	2.1	0.0	20%
Chloride	GP2873/GN6593	D17738-8	mg/l	4.5	10	13.8	1.5	20%
Chloride	GP2877/GN6602	D17738-11	mg/l	15.3	10	25.5	0.8	20%
Nitrogen, Nitrate	GP2873/GN6593	D17738-8	mg/l	0.085	0.565	0.68	1.5	20%
Nitrogen, Nitrate	GP2877/GN6602	D17738-11	mg/l	0.063	0.565	0.65	1.6	20%
Nitrogen, Nitrite	GP2873/GN6593	D17738-8	mg/l	0.0	0.305	0.28	0.0	20%
Nitrogen, Nitrite	GP2877/GN6602	D17738-11	mg/l	0.0	0.305	0.28	0.0	20%
Sulfate	GP2873/GN6593	D17738-8	mg/l	9.9	10	20.2	1.5	20%
Sulfate	GP2877/GN6602	D17738-11	mg/l	11.3	10	21.2	0.9	20%

Associated Samples:
Batch GP2873: D17738-1, D17738-10, D17738-2, D17738-3, D17738-4, D17738-5, D17738-6, D17738-7, D17738-8, D17738-9
Batch GP2877: D17738-11, D17738-12, D17738-13, D17738-14, D17738-15, D17738-16, D17738-17, D17738-18
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Mountain States ACCUTEST LABORATORIES

10/11/10

Technical Report for

Olsson Associates

Divide Creek Quarterly

Project #008-2067

Accutest Job Number: D17787

Sampling Date: 09/28/10

Report to:

Olsson Associates
826 21 1/2 Road
Grand Junction, CO 81505
shall@oaconsulting.com

ATTN: Stuart Hall

Total number of pages in report: **69**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

John Hamilton
Laboratory Director

Client Service contact: Amanda Kissell 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

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Test results relate only to samples analyzed.

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Sample Summary

Olsson Associates

Job No: D17787

Divide Creek Quarterly
Project No: Project #008-2067

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D17787-1	09/28/10	13:10	JV	09/29/10	AQ	Water	DCS1
D17787-1F	09/28/10	13:10	JV	09/29/10	AQ	Water Filtered	DCS1
D17787-2	09/28/10	12:55	JV	09/29/10	AQ	Water	DCS2
D17787-2F	09/28/10	12:55	JV	09/29/10	AQ	Water Filtered	DCS2
D17787-3	09/28/10	12:40	JV	09/29/10	AQ	Water	DCS3
D17787-3F	09/28/10	12:40	JV	09/29/10	AQ	Water Filtered	DCS3
D17787-4	09/28/10	12:30	JV	09/29/10	AQ	Water	DCS4
D17787-4F	09/28/10	12:30	JV	09/29/10	AQ	Water Filtered	DCS4
D17787-5	09/28/10	12:20	JV	09/29/10	AQ	Water	DCS5
D17787-5F	09/28/10	12:20	JV	09/29/10	AQ	Water Filtered	DCS5
D17787-6	09/28/10	11:55	JV	09/29/10	AQ	Water	DCS6
D17787-6F	09/28/10	11:55	JV	09/29/10	AQ	Water Filtered	DCS6
D17787-7	09/28/10	11:40	JV	09/29/10	AQ	Water	DCS7

Sample Summary
(continued)

Olsson Associates

Job No: D17787

Divide Creek Quarterly
Project No: Project #008-2067

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D17787-7F	09/28/10	11:40	JV	09/29/10	AQ	Water Filtered	DCS7
D17787-8	09/28/10	11:30	JV	09/29/10	AQ	Water	DCS8
D17787-8F	09/28/10	11:30	JV	09/29/10	AQ	Water Filtered	DCS8
D17787-9	09/28/10	00:00	JV	09/29/10	AQ	Water	DUP02
D17787-9F	09/28/10	00:00	JV	09/29/10	AQ	Water Filtered	DUP02
D17787-10	09/28/10	13:50	JV	09/29/10	AQ	Water	MW15
D17787-10F	09/28/10	13:50	JV	09/29/10	AQ	Water Filtered	MW15

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Olsson Associates	**Job No**	D17787
Site:	Divide Creek Quarterly	**Report Dat**	10/11/2010 3:20:52 PM

On 09/29/2010, 10 samples, 0 Trip Blanks, and 0 Field Blanks were received at Accutest Mountain States (AMS) at a temperature of 5.4°C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D17787 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method RSK175 MOD

Matrix AQ **Batch ID:** GFB70

- All samples were analyzed within the recommended method holding time.
- Samples D17777-1MS and D17777-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8021B

Matrix AQ **Batch ID:** GTA548

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17787-1MS and D17787-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix AQ **Batch ID:** MP3068

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17861-1MSD and D17861-1MS were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery of Sodium is outside control limits. The spike amount low relative to the sample amount. Refer to the lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix AQ **Batch ID:** GP2881

- All samples were prepared and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17812-1MS and D17812-1MSD were used as the QC samples for the Chloride analysis.

Matrix AQ **Batch ID:** GP2931

- All samples were prepared and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17787-10MS and D17787-10MSD were used as the QC samples for the Chloride analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DCS1		
Lab Sample ID:	D17787-1	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2634.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00247	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS1		
Lab Sample ID:	D17787-1	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9168.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS1		
Lab Sample ID:	D17787-1	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	17.9	0.50	mg/l	1	09/30/10 11:46	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS1		
Lab Sample ID:	D17787-1F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	101000	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS2		
Lab Sample ID:	D17787-2	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2635.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00579	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS2		
Lab Sample ID:	D17787-2	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9171.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS2		
Lab Sample ID:	D17787-2	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	18.1	0.50	mg/l	1	09/30/10 12:02	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS2		
Lab Sample ID:	D17787-2F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	101000	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS3		
Lab Sample ID:	D17787-3	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2636.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0176	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS3		
Lab Sample ID:	D17787-3	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9172.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS3		
Lab Sample ID:	D17787-3	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	17.7	0.50	mg/l	1	09/30/10 12:17	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS3		
Lab Sample ID:	D17787-3F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	93700	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS4		
Lab Sample ID:	D17787-4	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2637.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0101	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS4		
Lab Sample ID:	D17787-4	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9173.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS4		
Lab Sample ID:	D17787-4	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	17.2	0.50	mg/l	1	09/30/10 12:32	JML	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS4		
Lab Sample ID:	D17787-4F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	93900	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS5		
Lab Sample ID:	D17787-5	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2638.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00626	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS5		
Lab Sample ID:	D17787-5	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9174.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	89%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS5		
Lab Sample ID:	D17787-5	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	16.0	0.50	mg/l	1	09/30/10 12:48	JML	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DCS5		
Lab Sample ID:	D17787-5F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	88100	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS6		
Lab Sample ID:	D17787-6	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2639.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0227	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS6		
Lab Sample ID:	D17787-6	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9175.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DCS6		
Lab Sample ID:	D17787-6	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	12.6	0.50	mg/l	1	10/08/10 12:30	GH	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DCS6		
Lab Sample ID:	D17787-6F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	74500	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS7		
Lab Sample ID:	D17787-7	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2640.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00561	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS7		
Lab Sample ID:	D17787-7	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9176.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DCS7		
Lab Sample ID:	D17787-7	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	16.4	0.50	mg/l	1	10/08/10 12:41	GH	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DCS7		
Lab Sample ID:	D17787-7F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	93100	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS8		
Lab Sample ID:	D17787-8	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2642.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00381	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DCS8		
Lab Sample ID:	D17787-8	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9177.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DCS8		
Lab Sample ID:	D17787-8	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	16.3	0.50	mg/l	1	10/08/10 12:53	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DCS8		
Lab Sample ID:	D17787-8F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	91900	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP02		
Lab Sample ID:	D17787-9	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2643.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.0153	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP02		
Lab Sample ID:	D17787-9	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9178.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP02		
Lab Sample ID:	D17787-9	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	17.8	0.50	mg/l	1	10/08/10 13:04	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP02		
Lab Sample ID:	D17787-9F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	96400	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW15		
Lab Sample ID:	D17787-10	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB2644.D	1	10/03/10	JB	n/a	n/a	GFB70
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.00350	0.00080	0.00080	mg/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW15		
Lab Sample ID:	D17787-10	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Divide Creek Quarterly		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA9179.D	1	09/29/10	BR	n/a	n/a	GTA548
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW15		
Lab Sample ID:	D17787-10	**Date Sampled:**	09/28/10
Matrix:	AQ - Water	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	3.7	0.50	mg/l	1	10/08/10 13:15	GH	EPA 300/SW846 9056

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW15		
Lab Sample ID:	D17787-10F	**Date Sampled:**	09/28/10
Matrix:	AQ - Water Filtered	**Date Received:**	09/29/10
		Percent Solids:	n/a
Project:	Divide Creek Quarterly		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	51000	400	ug/l	1	10/05/10	10/07/10	JM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA1028
(2) Prep QC Batch: MP3068

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

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

D17787

PAGE 1 OF 1

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 State Zip: GRAND JCT, CO 81505
Project Contact: STUART HALL E-mail: shall@oaconsulting.com
Phone #: 970 263-7800 x 2006 Fax #:
Sampler(s) Name(s): JESS VANN Phone #: 970 250-1320

Project Information

Project Name: DIVIDE CREEK QUARTERLY
Street: SAME
City State:
Project #: 008-2067
Client Purchase Order #:
Project Manager: BRAD STEPHENSON
Attention:

Billing Information (if different from Report to)

Company Name: SAME
Street Address:
City State Zip:

Requested Analysis (see TEST CODE sheet)

BTEX
DISS. METHANE
Cl
*DISS Na (NEEDS TO BE FILTERED)

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	ENCORE	LAB USE ONLY
	DCS 1		9-28-10	1310	JV	W	8					X				01
	DCS 2			1255												02
	DCS 3			1240												03
	DCS 4			1230												04
	DCS 5			1220												05
	DCS 6			1155												06
	DCS 7			1140			7									07
	DCS 8			1130												08
	DUP 02			/												09
	MW 95			1350												10

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
- [ ] Level 2
- [ ] Level 3
- [ ] Level 4

Level 1 = Results Only
Level 2 = Results + QC Summary + Case Narrative
Level 3 = Results + QC Summary + Partial Raw data
Level 4 = Full Deliverable

- [ ] PDF
- [ ] EDD Format
- [ ] Other

Comments / Special Instructions

FIELD RINSE ONLY PRIOR TO SAMPLING
FILTER PRIOR TO PRESERVATION.

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		9-28-10 1810	1	2 FEDEX		2
3			3	4		4
5			5			

Custody Seal # | [x] Intact [ ] Not intact | Preserved where applicable [x] | On Ice [x] | Cooler Temp. 5.4

D17787: Chain of Custody
Page 1 of 1

Mountain States ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D17787
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFB70-MB	FB2627.D	1	10/03/10	JB	n/a	n/a	GFB70

The QC reported here applies to the following samples: **Method:** RSK175 MOD

D17787-1, D17787-2, D17787-3, D17787-4, D17787-5, D17787-6, D17787-7, D17787-8, D17787-9, D17787-10

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.00080	0.00080	mg/l	

Method Blank Summary

Job Number: D17787
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTA548-MB	TA9165.D	1	09/29/10	BR	n/a	n/a	GTA548

The QC reported here applies to the following samples: **Method:** SW846 8021B

D17787-1, D17787-2, D17787-3, D17787-4, D17787-5, D17787-6, D17787-7, D17787-8, D17787-9, D17787-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	2.0	ug/l	
108-88-3	Toluene	ND	2.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	2.0	ug/l	
	m,p-Xylene	ND	2.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	81%	60-140%

Blank Spike Summary

Job Number: D17787
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTA548-BS	TA9166.D	1	09/29/10	BR	n/a	n/a	GTA548

The QC reported here applies to the following samples: **Method:** SW846 8021B

D17787-1, D17787-2, D17787-3, D17787-4, D17787-5, D17787-6, D17787-7, D17787-8, D17787-9, D17787-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	27.2	22.3	82	70-130
100-41-4	Ethylbenzene	45.6	42.7	94	70-130
108-88-3	Toluene	212	185	87	70-130
95-47-6	o-Xylene	65.9	56.0	85	70-130
	m,p-Xylene	150	147	98	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	91%	60-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: D17787
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFB70-BS	FB2628.D	10	10/03/10	JB	n/a	n/a	GFB70
GFB70-BSD	FB2629.D	10	10/03/10	JB	n/a	n/a	GFB70

The QC reported here applies to the following samples: **Method:** RSK175 MOD

D17787-1, D17787-2, D17787-3, D17787-4, D17787-5, D17787-6, D17787-7, D17787-8, D17787-9, D17787-10

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	0.5094	0.584	115	0.598	117	2	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D17787
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D17777-1MS	FB2645.D	10	10/03/10	JB	n/a	n/a	GFB70
D17777-1MSD	FB2646.D	10	10/03/10	JB	n/a	n/a	GFB70
D17777-1	FB2631.D	1	10/03/10	JB	n/a	n/a	GFB70

The QC reported here applies to the following samples: **Method:** RSK175 MOD

D17787-1, D17787-2, D17787-3, D17787-4, D17787-5, D17787-6, D17787-7, D17787-8, D17787-9, D17787-10

CAS No.	Compound	D17777-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	ND		0.5094	0.568	111	0.574	113	1	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D17787
Account: CORCCOGJ Olsson Associates
Project: Divide Creek Quarterly

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D17787-1MS	TA9169.D	1	09/29/10	BR	n/a	n/a	GTA548
D17787-1MSD	TA9170.D	1	09/29/10	BR	n/a	n/a	GTA548
D17787-1	TA9168.D	1	09/29/10	BR	n/a	n/a	GTA548

The QC reported here applies to the following samples: **Method:** SW846 8021B

D17787-1, D17787-2, D17787-3, D17787-4, D17787-5, D17787-6, D17787-7, D17787-8, D17787-9, D17787-10

CAS No.	Compound	D17787-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		27.2	24.6	90	24.0	88	2	70-130/30
100-41-4	Ethylbenzene	ND		45.6	45.6	100	45.4	100	0	62-130/30
108-88-3	Toluene	ND		212	199	94	196	93	2	70-130/30
95-47-6	o-Xylene	ND		65.9	60.0	91	59.8	91	0	63-130/30
	m,p-Xylene	ND		150	157	105	156	104	1	70-134/30

CAS No.	Surrogate Recoveries	MS	MSD	D17787-1	Limits
120-82-1	1,2,4-Trichlorobenzene	94%	99%	87%	60-140%

Mountain States ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/05/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	7	49		
Antimony	30	1.7	13		
Arsenic	25	2.8	6.5		
Barium	10	.14	2.4		
Beryllium	10	1.4	4.4		
Boron	50	3.5	19		
Cadmium	10	.22	1.2		
Calcium	400	17	9.2		
Chromium	10	.27	1.6		
Cobalt	5.0	.48	.3		
Copper	5.0	1.6	2.7		
Iron	70	7.7	10		
Lead	50	1.3	3.2		
Lithium	2.0	.76	1.6		
Magnesium	200	5.8	12		
Manganese	5.0	.21	.7		
Molybdenum	10	.41	1.2		
Nickel	30	.38	.6		
Phosphorus	100	15	54		
Potassium	1000	380	540		
Selenium	50	2.8	7.2		
Silicon	50	12	20		
Silver	30	.98	.3		
Sodium	400	230	23	-50	<400
Strontium	5.0	.091	3.4		
Thallium	10	3.1	2.1		
Tin	50	14	4.4		
Titanium	10	.098	.7		
Uranium	50	2.2	3.9		
Vanadium	10	.27	.3		
Zinc	30	.76	1.7		

Associated samples MP3068: D17787-1F, D17787-2F, D17787-3F, D17787-4F, D17787-5F, D17787-6F, D17787-7F, D17787-8F, D17787-9F, D17787-10F

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/05/10

Metal	D17861-1 Original MS		Spikelot MPICPALL	% Rec	QC Limits
Aluminum	anr				
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	anr				
Lithium					
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel					
Phosphorus					
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	1180000	1180000	25000	0.0 (a)	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	anr				

Associated samples MP3068: D17787-1F, D17787-2F, D17787-3F, D17787-4F, D17787-5F, D17787-6F, D17787-7F, D17787-8F, D17787-9F, D17787-10F

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/05/10

Metal	D17861-1 Original MSD		Spikelot MPICPALL	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel						
Phosphorus						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	1180000	1220000	25000	160.0(a)	3.3	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	anr					

Associated samples MP3068: D17787-1F, D17787-2F, D17787-3F, D17787-4F, D17787-5F, D17787-6F, D17787-7F, D17787-8F, D17787-9F, D17787-10F

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/05/10

Metal	BSP Result	Spikelot MPICPALL	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel				
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	27000	25000	108.0	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	anr			

Associated samples MP3068: D17787-1F, D17787-2F, D17787-3F, D17787-4F, D17787-5F, D17787-6F, D17787-7F, D17787-8F, D17787-9F, D17787-10F

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

QC Batch ID: MP3068
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(anr) Analyte not requested

Mountain States ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP2881/GN6615	0.50	0.0	mg/l	20	21.2	106.0	90-110%
Chloride	GP2931/GN6716	0.50	0.0	mg/l	20	21.7	108.5	90-110%
Nitrogen, Nitrate	GP2881/GN6615	0.045	0.0	mg/l	4.52	4.21	93.2	90-110%
Nitrogen, Nitrite	GP2881/GN6615	0.061	0.0	mg/l	6.09	6.15	101.0	90-110%
Sulfate	GP2881/GN6615	0.50	0.0	mg/l	30	29.4	98.0	90-110%
Sulfate	GP2931/GN6716	0.50	0.0	mg/l	30	29.8	99.3	90-110%

Associated Samples:
Batch GP2881: D17787-1, D17787-2, D17787-3, D17787-4, D17787-5
Batch GP2931: D17787-10, D17787-6, D17787-7, D17787-8, D17787-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP2881/GN6615	D17812-1	mg/l	6.7	50	51.9	86.6	80-120%
Chloride	GP2881/GN6615	D17812-1	mg/l	8.6	50	51.9	86.6	80-120%
Chloride	GP2931/GN6716	D17787-10	mg/l	3.7	10	13.0	93.0	80-120%
Nitrogen, Nitrate	GP2881/GN6615	D17812-1	mg/l	5.0	2.83	8.1	109.7	80-120%
Nitrogen, Nitrite	GP2881/GN6615	D17812-1	mg/l	0.35	1.52	1.9	101.8	80-120%
Sulfate	GP2881/GN6615	D17812-1	mg/l	1080	50	1200	240.0(a)	80-120%
Sulfate	GP2881/GN6615	D17812-1	mg/l	1080	50	1200	240.0(a)	80-120%
Sulfate	GP2931/GN6716	D17787-10	mg/l	10.2	10	20.7	105.0	80-120%

Associated Samples:
Batch GP2881: D17787-1, D17787-2, D17787-3, D17787-4, D17787-5
Batch GP2931: D17787-10, D17787-6, D17787-7, D17787-8, D17787-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D17787
Account: CORCCOGJ - Olsson Associates
Project: Divide Creek Quarterly

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP2881/GN6615	D17812-1	mg/l	6.7	50	51.9	0.0	20%
Chloride	GP2881/GN6615	D17812-1	mg/l	8.6	50	51.9	0.0	20%
Chloride	GP2931/GN6716	D17787-10	mg/l	3.7	10	13.0	0.0	20%
Nitrogen, Nitrate	GP2881/GN6615	D17812-1	mg/l	5.0	2.83	8.1	0.0	20%
Nitrogen, Nitrite	GP2881/GN6615	D17812-1	mg/l	0.35	1.52	1.9	0.0	20%
Sulfate	GP2881/GN6615	D17812-1	mg/l	1080	50	1190	0.8(a)	20%
Sulfate	GP2881/GN6615	D17812-1	mg/l	1080	50	1190	0.8(a)	20%
Sulfate	GP2931/GN6716	D17787-10	mg/l	10.2	10	20.7	0.0	20%

Associated Samples:
Batch GP2881: D17787-1, D17787-2, D17787-3, D17787-4, D17787-5
Batch GP2931: D17787-10, D17787-6, D17787-7, D17787-8, D17787-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.