April 23, 2009

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

Re: West Divide Seep Area First Quarter Monitoring Status Report for March 2009

Dear Mr. Middleton:

Cordilleran Compliance Services, Inc. (Cordilleran), a division of Olsson Associates, has completed the first quarter of 2009 groundwater and surface-water monitoring for EnCana Oil & Gas (USA) Inc. (EnCana) at the West Divide Creek Gas Seep study area (Figure 1).

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

Groundwater and Surface-Water Monitoring

Cordilleran collected groundwater samples from 25 monitoring wells for the first quarter on March 16 and 17, 2009 (Figure 1). One duplicate sample was also collected from the monitoring wells. Prior to sample collection, static water levels were measured in monitoring wells to within 0.01 feet (ft) from the top of the PVC casing using an electronic water level. The wells were purged of static water using dedicated disposable bailers. Field parameters were obtained at the completion of purging activities and included temperature, specific conductance, dissolved oxygen, pH, total dissolved solids and turbidity using a Quanta water quality meter. Groundwater samples were collected following field parameter measurements.

Cordilleran collected eight (8) surface-water samples (DCS-1-8) in West Divide Creek extending from the former seep area to the northern Langegger property line on March 16 and 17 (Figure 1). Field parameters (temperature, specific conductance, dissolved oxygen, pH, total dissolved solids, and turbidity) were also collected from the creek locations using the Quanta meter (Figure 1). One duplicate sample was acquired from one of the sampling points in the creek.

Water-quality samples collected during this period were analyzed by Evergreen Analytical Laboratory (EAL), Wheat Ridge, CO for the following analyses:

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

Analysis of the field parameter and laboratory data for pH, TDS and specific conductivity collected since 2004 showed a median difference of 5.7% between field and laboratory results. Based on these results, laboratory analysis was discontinued for these parameters. Isotopic methane was analyzed by Isotech Laboratories, Inc of Champaign, IL. Stable isotopes of carbon and hydrogen in methane, stable isotopes of carbon in ethane and propane and the gas composition were determined for total dissolved methane gas concentrations at locations with a history of methane greater than 1.0 mg/L (Appendix B, Appendix C).

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

Site Hydrogeology and Hydrology

For this monitoring period, groundwater was encountered from near surface (in the seep area) to 23.27 (MW-21) feet below ground surface (ft-bgs). The groundwater flow direction continues to be from the seep area towards the north, mimicking the creek flow direction (Figure 2). The groundwater gradient for this period of monitoring was 0.018 feet/foot (ft/ft), which is consistent with gradients measured during other spring periods.

The flow in the creek was typical for spring, without significant runoff. During March, the southeast side of the study area was either flooded near MW-13 and MW-19, or frozen at MW-15; therefore groundwater levels and groundwater samples were not acquired from these wells.

Groundwater Monitoring Results

A summary of laboratory analytical groundwater results for benzene, toluene, ethylene, total xylenes (BTEX), and total dissolved methane for March 2009 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 March 2009 results are depicted in Figure 5. The March 2009 field parameters are contained in Appendix A. A summary of historical hydrocarbon analyses results for groundwater data collected since 2004 are contained in Appendix B. Appendix C contains a summary of historical hydrocarbon analyses results for surface-water data collected since 2004. The QA/QC data are contained in Appendix D. The thermogenic methane data are summarized in Appendix E. The laboratory reports for March 2009 are in Appendix F. Graphs of chemical concentrations for selected wells are in Appendix G. The entire report including all of the above listed data is enclosed on a disk in the Adobe Acrobat format.

For March 2009, detections of benzene were found in monitoring wells 2, 4, 9, 14 and 17 (Table 1). Benzene concentrations were detected above the state standard of 5 µg/L in monitoring wells MW-2 at 93 µg/L, MW-4 at 81 µg/L, and MW-17 at 13 µg/L (Table 1). The reported benzene concentration at MW-9 was 2.3 µg/L and at MW-14 was 1.0 µg/L. Toluene was not detected in any monitoring wells during this monitoring period and has not been detected in any wells since September 2008 (Table 1, Appendix B). Ethylbenzene was not detected in any monitoring wells during this monitoring period and has not been detected in any wells since December 2008 (Table 1, Appendix B). Total xylenes were detected in MW-2 and MW-4, but were below the state standard (Table 1). The data continues to show decreasing concentrations of hydrocarbons at all locations (Appendices B and H).

Surface-Water Monitoring Results

A summary of historical surface-water results for hydrocarbons is contained in Appendix C. Laboratory results indicate that BTEX compounds were not detected in any of the Divide Creek surface-water samples in March (Table 2). Total dissolved methane was detected in samples from DCS-4, DCS-5, DCS-6, DCS-7, and DCS-8 at distances between 160 feet and 630 feet from the seep, but all with reported concentrations of less than 0.002 milligrams per liter (mg/L) (Table 2). Total dissolved methane was not detected in samples from DCS-1, DCS-2, or DCS-3 above the laboratory reporting limit of 0.0008 mg/L. The results from March 2009 to date indicate that hydrocarbon concentrations above the laboratory reporting limit have not been detected in the creek since April of 2005 (Appendix C).

Methane Results

The 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 LDL is generally detected in all monitoring wells in the study area. As previously observed in the seep area, the highest concentrations of total dissolved methane in the groundwater are located in close proximity to the seep at well MW-4 (Table 1 and Figure 4).

The primary qualitative methods of differentiating between thermogenic and biogenic methane are based on isotopic data, methane / non-methane hydrocarbon ratios, and literature values for the evaluations. The data are first evaluated on the basis of the laboratory-determined values of $\delta^{13}C_1$ (methane carbon-13 isotope ratio), δDC_1 (methane hydrogen isotope ratio). These values are compared with Figure 9 in Appendix F (from Kaplan, et. al., 1997) which empirically delineates the different isotopic values of methane from biogenic and thermogenic sources. The data are then evaluated on the basis of the C_1 / (C_2 + C_3) ratio (methane to ethane and propane). Hydrocarbon gas from 'biogenic-only' sources contains a high proportion of methane (>99%) and C_1 / (C_2 + C_3) ratios greater than 10,000 would be consistent with methane from biogenic sources. If these evaluations produce ambiguous results then the sample may be a mixed source sample and a gross quantitative approximation of the thermogenic / biogenic split is arrived at by comparing the gas component profile with a known sample of 'reservoir-typical' thermogenic gas. The methane fraction of a 'reservoir-typical' thermogenic source (79%) is used as a baseline and the biogenic source is assumed to be 100% methane. An algebraic mixing calculation is used to estimate what percentage of the total methane comes from biogenic versus thermogenic sources.

Isotopic samples were collected from monitoring wells 2, 4, 9, 12, 14, 16, and 17 and creek locations DCS-2 and DCS-3 during this monitoring period. The results for these locations are shown in Appendix F. All of these estimated thermogenic concentrations are less than the initial concentrations, but have remained stable at these concentrations since 2007 (Appendix B).

Divide Creek Seep Remediation Status

The air sparge remediation system has been operated with minimum downtime throughout this quarter. Since the start up of the system in April 2005 the number of monitoring wells in the study area with benzene concentrations above the maximum contaminant level (MCL) has been

reduced from 14 to 3 with all of the wells above the MCL located in the seep area and upgradient of the remediation system wells.

Monitoring has continuously shown that the air sparge remediation system has successfully contained migration of the hydrocarbon plume even with the reduction in treatment time from 24 hr/day to 12 hr/day. Since the reduction in treatment time in May 2008, the data suggest that this reduction in treatment time has not changed groundwater quality in the vicinity of the remediation system and continues to provide a treatment barrier for migration of benzene downgradient of the seep (Appendix B). The treatment time may be reduced further if the data continues to show treatment at 12 hr/day is sufficient. Cordilleran will continue to evaluate remedial options in the area upgradient of the present air sparge array.

Cordilleran will continue to monitor all monitoring wells, the Eicher well, and surface-water locations on a quarterly basis and provide operation and maintenance to the remediation system on an as-needed basis. Duplicate samples for all analyses will be acquired from the study area for every 20 samples collected.

Cordilleran 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.
Associate Hydrogeologist

cc: Margaret Ash
Lisa Bracken
Richard Thompson
Pepi Langegger

Attachments

TABLES

Table 1

Summary of December 2008 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 RBSLs (ug/L)		5	1000	680	10000			
MW-01	17-Mar-09	<1	<2	<2	<2	<0.0008		5952.47
MW-02	17-Mar-09	**93**	<2	<2	13.0	6.1	3.4	5953.78
MW-04	16-Mar-09	**81**	<2	<2	17.3	9.2	6.6	5955.36
MW-04D	16-Mar-09	**83**	<2	<2	18.5	9.1	6.5	5955.36
MW-04S	16-Mar-09	**73**	<1	<1	15.7	6.0		5955.36
MW-06	16-Mar-09	<1	<2	<2	<2	<0.0008		5952.94
MW-07	16-Mar-09	<1	<2	<2	<2	<0.0008		5952.02
MW-08	16-Mar-09	<1	<2	<2	<2	0.22		5950.29
MW-09	17-Mar-09	2.3	<2	<2	<2	8.1	5.5	5960.61
MW-11	17-Mar-09	<1	<2	<2	<2	0.0073		5965.01
MW-12	17-Mar-09	<1	<2	<2	<2	0.13	0.04	5961.65
MW-13	16-Mar-09							FLOODED
MW-14	17-Mar-09	1.0	<2	<2	<2	7.0	4.6	5959.77
MW-15	16-Mar-09							FROZEN
MW-16	16-Mar-09	<1	<2	<2	<2	1.4	0.03	5954.59
MW-17	16-Mar-09	**13**	<2	<2	<2	2.2	1.0	5951.78
MW-18	16-Mar-09	<1	<2	<2	<2	<0.0008		5948.68
MW-19	16-Mar-09							FLOODED
MW-20	16-Mar-09	<1	<2	<2	<2	<0.0008		5946.03
MW-21	16-Mar-09	<1	<2	<2	<2	<0.0008		5946.18
MW-22	16-Mar-09	<1	<2	<2	<2	<0.0008		5947.41
MW-23	16-Mar-09	<1	<2	<2	<2	0.37		5937.17
MW-24	17-Mar-09	<1	<2	<2	<2	<0.0008		5949.46
MW-25	17-Mar-09	<1	<2	<2	<2	<0.0008		5948.86
MW-26	17-Mar-09	<1	<2	<2	<2	0.14		5953.06
MW-27	16-Mar-09	<1	<2	<2	<2	<0.0008		5948.01
EICH2	16-Mar-09	<1	<2	<2	<2	<0.0008		NOT MEASURED

200 - **Bold** exceeds Colorado RBSLs
ug/L - micrograms/Liter
mg/L - milligrams/Liter
Blank cell - not analyzed/not collected
ft-msl - feet above mean sea level
D - Duplicate sample

Table 2

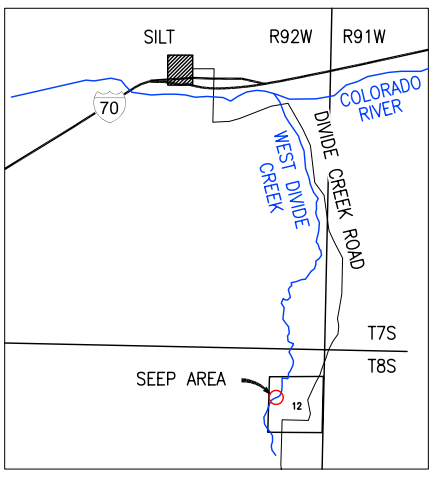
Summary of Surface-Water Analytical Results for December 2008
Encana, West Divide Creek Seep
Garfield County, Colorado

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	17-Mar-09	<1	<2	<2	<2	<0.0008	
DCS-1D	17-Mar-09	<1	<2	<2	<2	<0.0008	
DCS-1S	17-Mar-09	<1	<1	<1	<1	<0.001	
DCS-2	17-Mar-09	<1	<2	<2	<2	<0.0008	<0.0008
DCS-3	17-Mar-09	<1	<2	<2	<2	<0.0008	<0.0008
DCS-4	17-Mar-09	<1	<2	<2	<2	0.00096	
DCS-5	17-Mar-09	<1	<2	<2	<2	0.0012	
DCS-6	17-Mar-09	<1	<2	<2	<2	0.0011	
DCS-7	17-Mar-09	<1	<2	<2	<2	0.0012	
DCS-8	17-Mar-09	<1	<2	<2	<2	0.0011	

200 - **Bold** exceeds Colorado RBSLs
ug/L - micrograms/liter
mg/L - milligrams/Liter
Blank cell - not analyzed/not collected
D - Duplicate Sample

FIGURES

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



S88°11'12"W – 2620.17' (Meas.)

Section Line

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

Site Boundary

Eicher

Langegger
NE 1/4 NW 1/4

NW 1/4 NW 1/4

Langegger
SW 1/4 NW 1/4

Langegger
SE 1/4 NW 1/4

Thompson

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

Section Line

1/16 Section Line

NW 1/4

1/16 Section Line

Site Boundary

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

MW27
Eich1
Eich2
MW23
Water Well 2
MW24
MW21
MW20
DCS8
MW18
PM8
DCS7
West Divide Creek
MW22
PM7
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-3
AS-4
AS-5
AS-18
Cabin
MW16
MW1
MW6
Pond
MW-2
PM6
MW15
MW4
PM5
PM4
AS-19
PM3
PM2
MW9
MW14
PM1
MW12
Marshland
MW11
MW19
MW25
MW13
℄ Multa Trina Ditch

LEGEND

- = SECTION CORNERS FOUND
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- = STREAM GAUGE
- = PIEZOMETER
- = DIVIDE CREEK SAMPLE
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION
- = MONITORING WELL

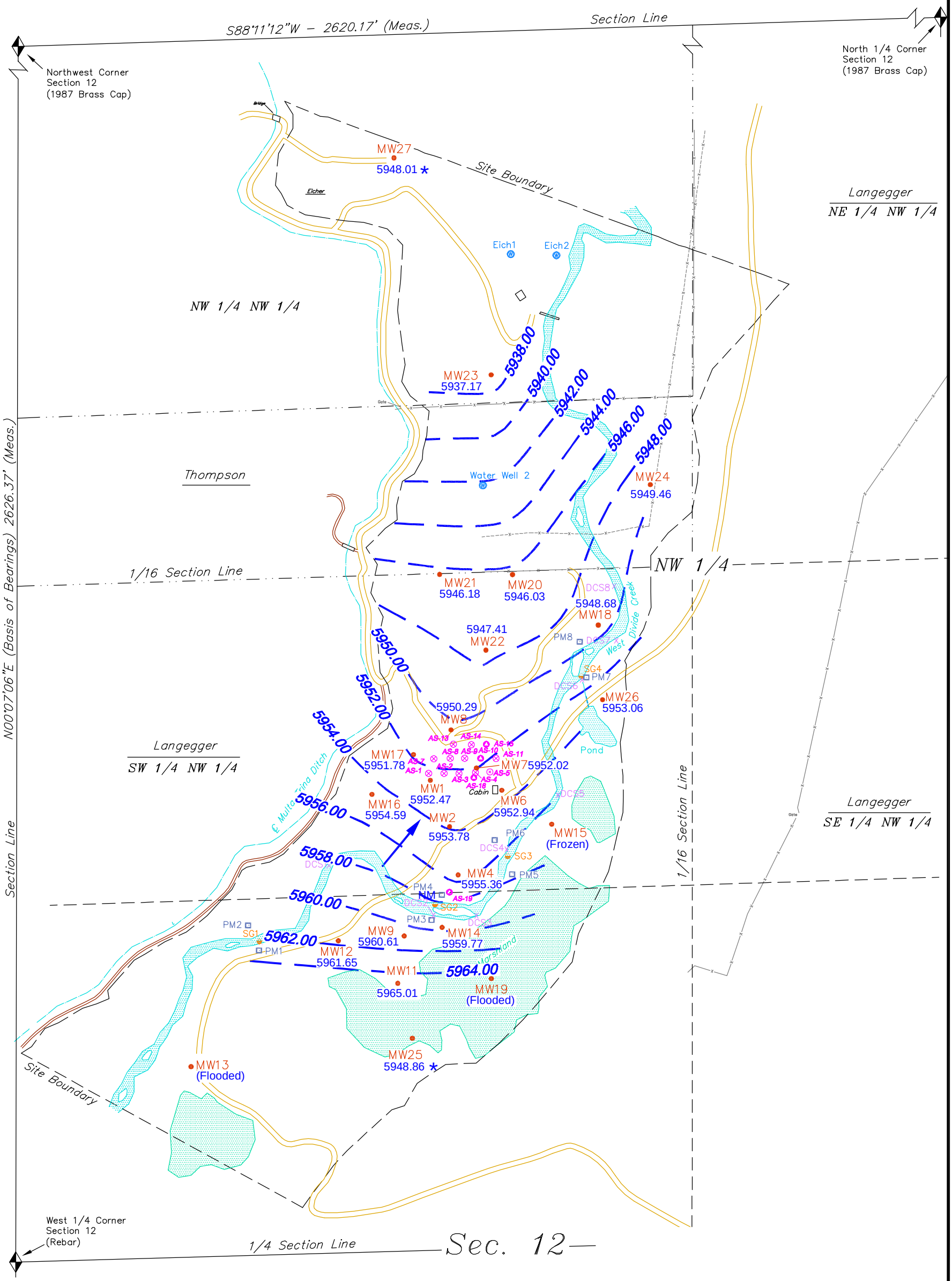
N

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: RJV			1
DATE:. 5/14/09			

M:\clients\CORDILLERAN\Divide Creek\Investigation\Mar-09\DC-G309.dwg Layout: Layout1



LEGEND

- = SECTION CORNERS FOUND
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- = STREAM GAUGE
- = PIEZOMETER
- = DIVIDE CREEK SAMPLE
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION
- = MONITORING WELL
- 5960 = GROUNDWATER ELEVATION CONTOUR (FEET)
- 5960.61 = GROUNDWATER ELEVATION (FEET)
- = GROUNDWATER FLOW DIRECTION
- * = DATA NOT USED IN CONTOURING

N

0 100 200
SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA GROUNDWATER ELEVATION MAP MARCH 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE
DRAWN BY: RJV			2
DATE:. 4/21/09			

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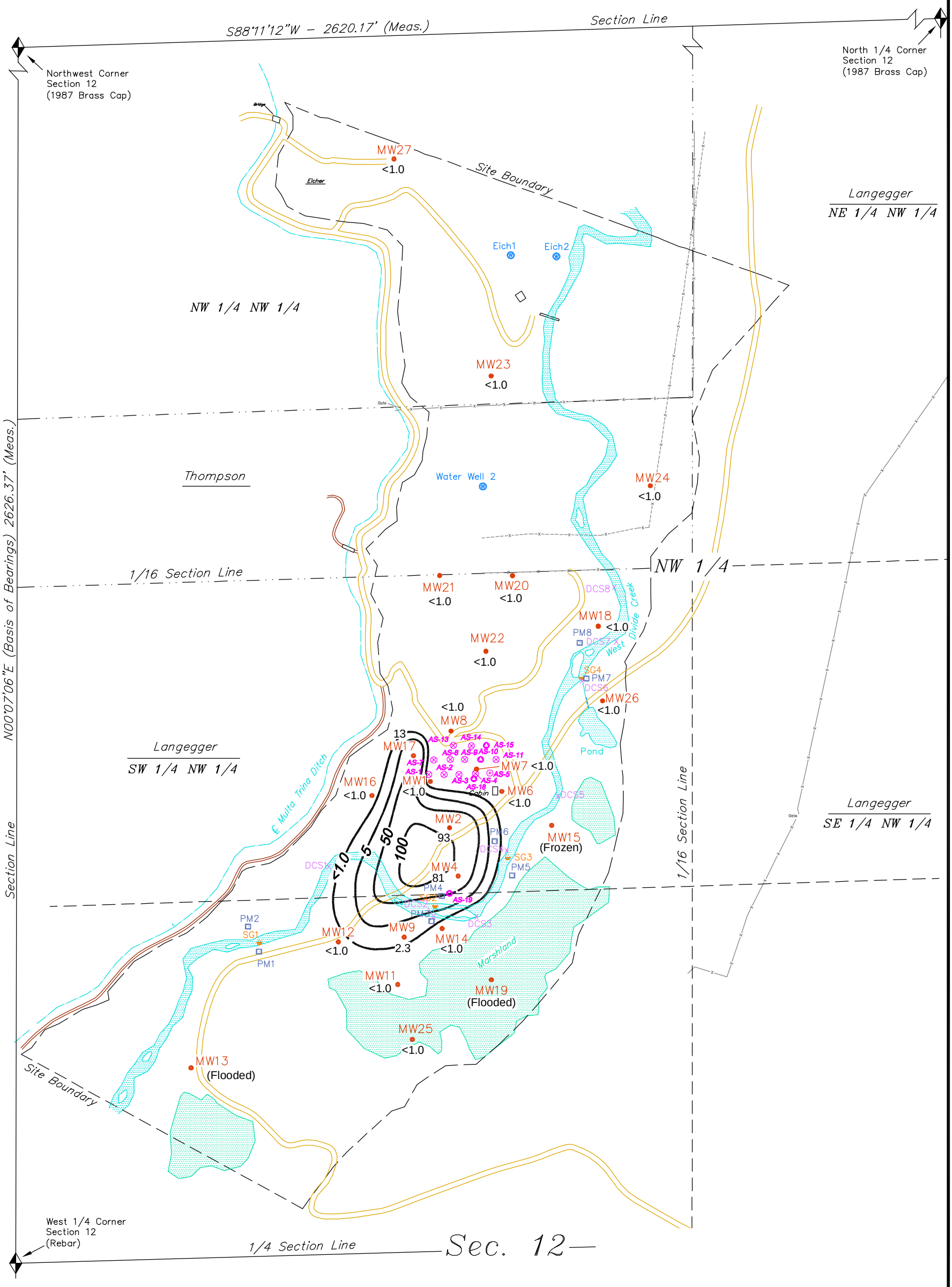

LEGEND

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

N

0 100 200

SCALE IN FEET

PROJECT NO: 008-2067 DRAWN BY: RJV DATE:. 4/21/09	WEST DIVIDE CREEK SEEP AREA BENZENE CONCENTRATIONS MARCH 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659

FIGURE

3

M:\clients\CORDILLERAN\Divide Creek\Investigation\Mar-09\DC-TM309.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

Site Boundary

Site Boundary

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

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

NW 1/4

Bridge

Eicher

Gate

Water Well 2

Cabin

Pond

Marshland

West Divide Creek

Multa Trina Ditch

MW27 <0.0008

MW23 0.37

MW24 <0.0008

MW21 <0.0008

MW20 <0.0008

MW22 <0.0008

MW18 <0.0008

MW26 0.14

MW8 0.22

MW17 2.2

MW7 <0.0008

MW1 <0.0008

MW6 <0.0008

MW16 1.4

MW2 6.1

MW15 (Frozen)

MW4 9.2

MW12 0.13

MW9 8.1

MW14 7.0

MW11 0.0073

MW19 (Flooded)

MW25 <0.0008

MW13 (Flooded)

Eich1

Eich2

PM1 PM2 PM3 PM4 PM5 PM6 PM7 PM8

SG1 SG2 SG3 SG4

DCS1 DCS2 DCS3 DCS4 DCS5 DCS6 DCS7 DCS8

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-16 AS-19

<1.0 5.0 10.0

LEGEND

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

N

0 100 200
SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA TOTAL DISSOLVED METHANE CONCENTRATIONS MARCH 2009 GARFIELD COUNTY, COLORADO	OLSSON ASSOCIATES 4690 Table Mountain Drive Suite 200 Golden, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE
DRAWN BY: RJV			4
DATE:. 4/21/09			

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S88°11'12"W – 2620.17' (Meas.)

Section Line

Northwest Corner
Section 12
(1987 Brass Cap)

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

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

Section Line

West 1/4 Corner
Section 12
(Rebar)

1/4 Section Line

Sec. 12

1/16 Section Line

NW 1/4

NW 1/4 NW 1/4

NE 1/4 NW 1/4

SW 1/4 NW 1/4

SE 1/4 NW 1/4

Site Boundary

Langegger

Thompson

Eicher

Gate

Bridge

Water Well 2

Eich1

Eich2

MW1 MW2 MW4 MW5 MW6 MW7 MW8 MW9 MW11 MW12 MW13 (Flooded) MW14 MW15 (Frozen) MW16 MW17 MW18 MW19 (Flooded) MW20 MW21 MW22 MW23 MW24 MW25 MW26 MW27

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

Cabin

Pond

West Divide Creek

E. Multa Trind Ditch

Marsland

PM1 PM2 PM3 PM4 PM5 PM6 PM7 PM8

SG1 SG2 SG3 SG4

DCS1 DCS2 DCS3 DCS4 DCS5 DCS6 DCS7 DCS8

	3/09
B	<1.0
T	<2.0
E	<2.0
X	<2.0
M	<0.0008

	3/09
B	13
T	<2.0
E	<2.0
X	<2.0
M	2.2

	3/09
B	<1.0
T	<2.0
E	<2.0
X	<2.0
M	0.22

	3/09
B	<1.0
T	<2.0
E	<2.0
X	<2.0
M	1.4

	3/09
B	93
T	<2.0
E	<2.0
X	13
M	6.1

	3/09	Dup 3/09	Split 3/09
B	81	83	73
T	<2.0	<2.0	<1.0
E	<2.0	<2.0	<1.0
X	17.3	18.5	15.7
M	9.2	9.1	5.99

	3/09
B	1.0
T	<2.0
E	<2.0
X	<2.0
M	7.0

	3/09
B	2.3
T	<2.0
E	<2.0
X	<2.0
M	8.1

	3/09
B	<1.0
T	<2.0
E	<2.0
X	<2.0
M	0.13

	3/09
B	<1.0
T	<2.0
E	<2.0
X	<2.0
M	0.14

LEGEND

- = SECTION CORNERS FOUND
- = FENCE
- = OLD FENCE
- = PROPERTY LINE
- = DRAINAGE
- = STREAM GAUGE
- = PIEZOMETER
- = DIVIDE CREEK SAMPLE
- = AIR SPARGE WELL LOCATION
- = NESTED AIR SPARGE WELL LOCATION
- = MONITORING WELL

CHEMICAL DATA
(ALL VALUES ARE IN µg/l)

- B = BENZENE
- T = TOLUENE
- E = ETHYLBENZENE
- X = XYLENES
- M = TOTAL METHANE

N

0 100 200
SCALE IN FEET

PROJECT NO: 008-2067	WEST DIVIDE CREEK SEEP AREA BTEX CONCENTRATIONS MARCH 2009 GARFIELD COUNTY, COLORADO	FIGURE
DRAWN BY: RJV		5
DATE:. 4/24/09		

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

APPENDIX A

Field Data – 1st Quarter

Appendix A
Lab Results and Field Data
Encana, West Divide Creek Seep
Garfield County, Colorado

Date	SampleName	SiteID	Lab	Temp_Field	SpCond_Field	DO_Field	pH_Field	TDS_Field	DO_Percent	Turbidity_Field	DTW
16-Mar-09	EICH2	EICH1WW	EAL	4.25	0.877	2.90	7.66	0.6	27.0	16.5	-88.8
16-Mar-09	MW23	EICH2WW	EAL	8.20	1.920	3.15	7.85	1.2	32.5	370	15.52
16-Mar-09	MW27	EICH3WW	EAL	6.66	1.098	5.23	7.68	0.7	51.6	2000	8.21
17-Mar-09	DCS1	LANG3ST	EAL	7.01	0.626	9.69	8.49	0.4	97.3	404	-88.8
17-Mar-09	DCS1D	LANG7ST	EAL	7.01	0.626	9.69	8.49	0.4	97.3	404	-88.8
17-Mar-09	DCS1	LANG7ST	Energy	7.01	0.626	9.69	8.49	0.4	97.3	404	-88.8
17-Mar-09	DCS2	LANG4ST	EAL	7.42	0.626	10.26	8.46	0.4	103.7	34.8	-88.8
17-Mar-09	DCS3	LANG5ST	EAL	7.69	0.625	9.99	8.51	0.4	101.7	340	-88.8
17-Mar-09	DCS4	LANG6ST	EAL	5.02	0.523	10.58	8.35	0.3	100.4	5999	-88.8
17-Mar-09	DCS5	LANG7ST	EAL	5.03	0.524	10.45	8.32	0.3	99.2	5999	-88.8
17-Mar-09	DCS6	LANG8ST	EAL	4.54	0.522	10.67	8.40	0.3	100.0	5999	-88.8
17-Mar-09	DCS7	LANG9ST	EAL	4.41	0.521	10.68	8.36	0.3	100.0	5999	-88.8
17-Mar-09	DCS8	LANG10ST	EAL	4.31	0.519	11.00	8.35	0.3	102.5	5999	-88.8
17-Mar-09	MW1	LANG10WW	EAL	9.64	1.071	2.27	7.77	0.7	24.3	2000	6.32
17-Mar-09	MW11	LANG15WW	EAL	5.00	0.622	2.64	7.47	0.4	24.5	572	4.65
17-Mar-09	MW12	LANG16WW	EAL	5.51	0.906	2.07	7.32	0.6	19.8	177	1.95
17-Mar-09	MW14	LANG18WW	EAL	7.88	4.030	5.21	7.61	2.6	53.7	5999	5.29
16-Mar-09	MW16	LANG20WW	EAL	9.59	1.099	2.90	8.43	0.7	30.8	770	5.86
16-Mar-09	MW17	LANG21WW	EAL	12.22	1.265	2.14	7.82	0.8	24.2	2000	6.71
16-Mar-09	MW18	LANG22WW	EAL	8.95	0.784	2.43	7.67	0.5	25.4	1330	3.75
17-Mar-09	MW2	LANG11WW	EAL	11.56	0.904	2.56	7.75	0.6	28.8	1994	5.5
16-Mar-09	MW20	LANG4WW	EAL	6.17	0.955	2.77	7.68	0.6	27.0	817	7.85
16-Mar-09	MW21	LANG5WW	EAL	10.14	1.288	2.24	7.75	0.8	24.2	771	23.27
16-Mar-09	MW22	LANG24WW	EAL	9.79	0.985	3.55	7.57	0.6	37.8	1288	9.67
17-Mar-09	MW24	THOM3WW	EAL	9.70	0.700	4.32	7.78	0.5	46.0	446	5.45
17-Mar-09	MW25	LANG25WW	EAL	7.16	0.593	3.82	7.67	0.4	38.0	1937	3.3
17-Mar-09	MW26	LANG26WW	EAL	8.83	0.798	1.83	7.61	0.5	19.1	2000	1.59
16-Mar-09	MW4	LANG12WW	EAL	9.71	0.722	2.98	7.74	0.5	31.6	97.8	8.05
16-Mar-09	MW4D	LANG12WW	EAL	9.71	0.722	2.98	7.74	0.5	31.6	97.8	8.05
16-Mar-09	MW4	LANG12WW	Energy	9.71	0.722	2.98	7.74	0.5	31.6	97.8	8.05
16-Mar-09	MW6	LANG13WW	EAL	10.01	1.154	2.46	7.43	0.7	25.1	450	7
16-Mar-09	MW7	LANG2WW	EAL	10.30	1.023	6.10	8.13	0.7	65.9	2000	6.95
16-Mar-09	MW8	LANG3WW	EAL	9.57	1.127	1.01	7.65	0.7	10.4	48.7	9.0
17-Mar-09	MW9	LANG14WW	EAL	4.71	0.776	1.91	7.24	0.5	19.1	177	4.52

Appendix A
Lab Results and Field Data
Encana, West Divide Creek Seep
Garfield County, Colorado

Date	SampleName	Sample Description	SampleComments	Sampler	SampleSource
16-Mar-09	EICH2	Domestic well	WQ: Slight sulfur smell, clear to very slight yellow, no effervescence	JV	Well
16-Mar-09	MW23	Domestic well	WQ: Brown, some sediment, slight sulfur smell, no effervescence	JV	Well
16-Mar-09	MW27	Divide Creek monitoring well #27	WQ: Turbid, red-brown, no smell, no effervescence, no sheen.	SH	Well
17-Mar-09	DCS1	Divide Creek monitoring station 1	WQ: Brown, murky, no odor, no sheen, no effervescence	SH	Stream
17-Mar-09	DCS1D	Divide Creek monitoring station 1 - duplicate sample	WQ: Brown, murky, no odor, no sheen, no effervescence	SH	Stream
17-Mar-09	DCS1	Divide Creek monitoring station 1 - split sample	WQ: Brown, murky, no odor, no sheen, no effervescence	SH	Stream
17-Mar-09	DCS2	Divide Creek monitoring station 2	WQ: Brown, no odor, sheen, or effervescence.	SH	Stream
17-Mar-09	DCS3	Divide Creek monitoring station 3	WQ: Brown, no odor, sheen, or effervescence.	SH	Stream
17-Mar-09	DCS4	Divide Creek monitoring station 4	WQ: Brown/muddy, no odor, sheen, or effervescence.	SH	Stream
17-Mar-09	DCS5	Divide Creek monitoring station 5	WQ: Brown/muddy, no odor, sheen, or effervescence.	SH	Stream
17-Mar-09	DCS6	Divide Creek monitoring station 6	WQ: Brown/muddy, no odor, sheen, or effervescence.	SH	Stream
17-Mar-09	DCS7	Divide Creek monitoring station 7	WQ: Brown/muddy, no odor, sheen, or effervescence.	SH	Stream
17-Mar-09	DCS8	Divide Creek monitoring station 8	WQ: Brown/muddy, no odor, no effervescence, no sheen.	SH	Stream
17-Mar-09	MW1	Divide Creek monitoring well #1	WQ: Brown-greyish, neutral smell, no effervescence, some sediment	JV	Well
17-Mar-09	MW11	Divide Creek monitoring well #11	WQ: Brown, sulfur smell, no sheen, no effervescence.	SH	Well
17-Mar-09	MW12	Divide Creek monitoring well #12	WQ: Light. brown, slight sulfur smell, no sheen, no effervescence.	SH	Well
17-Mar-09	MW14	Divide Creek monitoring well #14	WQ: Black, high turbidity, sulfur smell, no sheen, no effervescence.	SH	Well
16-Mar-09	MW16	Divide Creek monitoring well #16	WQ: Light brown, neutral smell, no effervescence, no sediment	JV	Well
16-Mar-09	MW17	Divide Creek monitoring well #17	WQ: Grey-dark, sulfur smell, no effervescence, sediment	JV	Well
16-Mar-09	MW18	Divide Creek monitoring well #18	WQ: Light brown, neutral smell, no effervescence, some sediment	JV	Well
17-Mar-09	MW2	Divide Creek monitoring well #2	WQ: Brown, neutral to earthy odor, no effervescence, some sediment	JV	Well
16-Mar-09	MW20	Divide Creek monitoring well #20	WQ: Brown, turbid, neutral odor, no effervescence, some sediment	JV	Well
16-Mar-09	MW21	Divide Creek monitoring well #21	WQ: Brown, neutral smell, no effervescence, some sediment	JV	Well
16-Mar-09	MW22	Divide Creek monitoring well #22	WQ: Brown, neutral odor, no effervescence, some sediment	JV	Well
17-Mar-09	MW24	Divide Creek monitoring well #24	WQ: Slightly turbid, neutral odor, no effervescence, very slight sediment	JV	Well
17-Mar-09	MW25	Divide Creek monitoring well #25	WQ: Brown/turbid, no odor, no sheen, no effervescence	SH	Well
17-Mar-09	MW26	Divide Creek monitoring well #26	WQ: Brown, neutral smell, no effervescence, some sediment	JV	Well
16-Mar-09	MW4	Divide Creek monitoring well #4	WQ: Gray-black, sulfur smell, no sheen, no effervescence.	SH	Well
16-Mar-09	MW4D	Divide Creek monitoring well #4 - duplicate sample	WQ: Gray-black, sulfur smell, no sheen, no effervescence.	SH	Well
16-Mar-09	MW4	Divide Creek monitoring well #4 - split sample	WQ: Gray-black, sulfur smell, no sheen, no effervescence.	SH	Well
16-Mar-09	MW6	Divide Creek monitoring well #6	WQ: Brown, neutral smell, no effervescence, some sediment	JV	Well
16-Mar-09	MW7	Divide Creek monitoring well #7	WQ: Dark brown, neutral smell, no effervescence, some sediment	JV	Well
16-Mar-09	MW8	Divide Creek monitoring well #8	WQ: Slightly turbid, slight sulfur smell, no effervescence, some sediment	JV	Well
17-Mar-09	MW9	Divide Creek monitoring well #9	WQ: Black, sulfur smell, no sheen, no effervescence.	SH	Well

APPENDIX B

Historical Groundwater Results

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-02	09-Jul-04	**240**	NA	NA	NA	12			
MW-02	22-Jul-04	**240**	NA	NA	NA	12		5.60	5953.68
MW-02	03-Aug-04	**420**	400	<2	96	4.4		9.10	5950.18
MW-02	19-Aug-04	NS	NS	NS	NS	NS		9.00	5950.28
MW-02	15-Sep-04	**340**	240	10	95	11	9.5	9.02	5950.26
MW-02	13-Oct-04	**370**	110	9	78	5.8		8.70	5950.58
MW-02	09-Nov-04	**390**	<2	<2	<2	3.3		8.70	5950.58
MW-02	13-Dec-04	**270**	46	8.2	56.4	3.8		8.54	5950.74
MW-02	12-Jan-05	**370**	4.5	6.5	27.1	6.9	6.5	8.47	5950.81
MW-02	09-Feb-05	**420**	<10	<10	<10	3	2.6	4.09	5955.19
MW-02	09-Feb-05	**420**	2.4	8.6	43.5	2.6	3.0	11.95	5947.33
MW-02	09-Feb-05	**340**	<5	6.7	33	0.65		4.09	5955.19
MW-02	08-Mar-05	**280**	<10	<10	<10	4.4		8.82	5950.46
MW-02	12-Apr-05	**360**	<2	<2	<2	6.8		5.01	5954.27
MW-02	09-May-05	**330**	<10	<10	<10	5.9	5.4	4.49	5954.79
MW-02	08-Jun-05	**98**	<2	3.4	23.6	6.4		3.22	5956.06
MW-02	12-Jul-05	**180**	2.8	4.5	30.4	3.8		7.67	5951.61
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			

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	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-04	12-Jan-04	**320**	35	8.1	49	6.1			5963.41
MW-04	09-Jul-04	**230**	NA	NA	NA	11			
MW-04	22-Jul-04	**440**	NA	NA	NA	11		8.46	5954.95
MW-04	03-Aug-04	**400**	160	<2	87	6.7		8.60	5954.81
MW-04	15-Sep-04	**240**	59	6.7	60	27		8.41	5955.00
MW-04	15-Sep-04	**320**	76	9.5	80.5	9.2	7.4	8.41	5955.00
MW-04	15-Sep-04	**330**	76	9.1	77.1	8.6		8.41	5955.00
MW-04	14-Oct-04	**210**	<50	6.1	37	4.4		8.38	5955.03
MW-04	14-Oct-04	**300**	51	9	59	9.3		8.38	5955.03
MW-04	14-Oct-04	**300**	37	9	55.2	5.6		8.38	5955.03
MW-04	09-Nov-04	**290**	41	<2	<2	9.1		4.90	5958.51
MW-04	02-Dec-04	**280**	19	<10	<10	14			
MW-04	08-Dec-04	**280**	110	7.8	72	17			
MW-04	13-Dec-04	**240**	33	12	97	7.8		7.93	5955.48
MW-04	13-Dec-04	**270**	36	8.1	64.9	14		7.93	5955.48
MW-04	13-Dec-04	**270**	37	7.7	62.6	12		7.93	5955.48
MW-04	12-Jan-05	**350**	68	11	71.9	14	11.9	7.40	5956.01
MW-04	12-Jan-05	**360**	40	11	62.3	14		7.40	5956.01
MW-04	09-Feb-05	**280**	57	8.5	52.7	10	8.5	8.02	5955.39
MW-04	08-Mar-05	**350**	160	<10	79	9.8		8.02	5955.39
MW-04	12-Apr-05	**130**	33	<2	<2	8.9		8.39	5955.02
MW-04	12-Apr-05	**130**	52	<2	<2	10		8.39	5955.02
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

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	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-06	09-Jul-04	1.1	NA	NA	NA	0.011			
MW-06	22-Jul-04	0.023	NA	NA	NA	0.023		9.74	5950.20
MW-06	03-Aug-04	1.5	<2	<2	<2	0.083		9.89	5950.05
MW-06	15-Sep-04	<1	<2	<2	<2	0.38	0.4	9.67	5950.27
MW-06	14-Oct-04	<1	<2	<2	<2	0.14		9.48	5950.46
MW-06	10-Nov-04	<1	<2	<2	<2	0.057		9.60	5950.34
MW-06	14-Dec-04	<1	<2	<2	<2	0.054		9.24	5950.70
MW-06	14-Dec-04	<1	<2	<2	<2	0.4		9.24	5950.70
MW-06	14-Dec-04	<0.5	<5	<0.5	NA	0.071		9.24	5950.70
MW-06	13-Jan-05	<1	<2	<2	<2	0.056	0.0	8.87	5951.07
MW-06	09-Feb-05	<1	<2	<2	<2	0.023	0.0	9.06	5950.88
MW-06	08-Mar-05	3.1	<2	<2	<2	0.051		9.15	5950.79
MW-06	12-Apr-05	**6.5**	<2	<2	<2	0.092		6.59	5953.35
MW-06	10-May-05	<1	<2	<2	<2	0.18	0.2	5.82	5954.12
MW-06	08-Jun-05	1.3	<2	<2	<2	0.18		5.55	5954.39
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			

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	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-07	09-Jul-04	**200**	NA	NA	NA	0.67			5958.97
MW-07	22-Jul-04	**110**	NA	NA	NA	0.53		10.34	5948.63
MW-07	03-Aug-04	**32**	<2	<2	<2	0.73		10.46	5948.51
MW-07	15-Sep-04	**56**	<2	<2	<2	6		11.11	5947.86
MW-07	14-Oct-04	**32**	<2	<2	<2	0.78		10.70	5948.27
MW-07	10-Nov-04	**16**	<2	<2	<2	0.65		10.70	5948.27
MW-07	19-Nov-04	**19**	<2	<2	<2	0.49			
MW-07	23-Nov-04	**17**	<2	<2	<2	0.67			
MW-07	07-Dec-04	<1	<2	<2	<2	0.04			
MW-07	14-Dec-04	**20**	<2	<2	<2	0.55		10.24	5948.73
MW-07	13-Jan-05	**16**	<2	<2	<2	0.53		9.89	5949.08
MW-07	09-Feb-05	**5.7**	<2	<2	<2	0.47		9.91	5949.06
MW-07	08-Mar-05	4.5	<2	<2	<2	0.58		10.06	5948.91
MW-07	20-Apr-05	<1	<2	<2	<2	<0.0008			
MW-07	10-May-05	<1	<2	<2	<2	<0.0008		6.22	5952.75
MW-07	10-May-05	<1	<2	<2	<2	<0.0008		6.22	5952.75
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

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	09-May-06	<1	<2	<2	<2	0.036		5.67	5953.30
MW-07	12-Jun-06	<1	<2	<2	<2	0.0037			
MW-07	21-Jul-06	<1	<2	<2	<2	<0.0008			
MW-07	28-Jul-06	<1	<2	<2	<2	0.0012			
MW-07	04-Aug-06	<1	<2	<2	<2	<0.0008			
MW-07	11-Aug-06	<1	<2	<2	<2	<0.0008			
MW-07	16-Aug-06	<1	<2	<2	<2	0.0041		17.45	5941.52
MW-07	24-Aug-06	<1	<2	<2	<2	0.00092		7.72	5951.25
MW-07	31-Aug-06	<1	<2	<2	<2	0.0014		7.84	5951.13
MW-07	07-Sep-06	<1	<2	<2	<2	0.047		8.22	5950.75
MW-07	07-Sep-06	<0.25	<0.25	<0.25	<0.25	0.00163		8.22	5950.75
MW-07	13-Sep-06	<1	<2	<2	<2	0.0024		7.98	5950.99
MW-07	21-Sep-06	<0.25	<0.25	<0.25	<0.25	0.000762		7.93	5951.04
MW-07	21-Sep-06	<1	<2	<2	<2	0.002		7.93	5951.04
MW-07	27-Sep-06	<1	<2	<2	<2	0.004		7.82	5951.15
MW-07	06-Oct-06	<1	<2	<2	<2	<0.0008		7.88	5951.09
MW-07	12-Oct-06	<1	<2	<2	<2	0.0025		7.71	5951.26
MW-07	19-Oct-06	<1	<2	<2	<2	<0.0008		7.73	5951.24
MW-07	25-Oct-06	<1	<2	<2	<2	0.00082		7.62	5951.35
MW-07	01-Nov-06	<1	<2	<2	<2	0.0011		7.63	5951.34
MW-07	17-Nov-06	<1	<2	<2	<2	<0.0008		7.42	5951.55
MW-07	05-Dec-06	<1	<2	<2	<2	0.0011		7.37	5951.60
MW-07	03-Jan-07	<1	<2	<2	<2	<0.0008			
MW-07	17-Jan-07	<1	<2	<2	<2	<0.0008			
MW-07	05-Feb-07	<1	<2	<2	<2	<0.0008			
MW-07	22-Feb-07	<1	<2	<2	<2	0.0016		6.92	5952.05
MW-07	07-Mar-07	<1	<2	<2	<2	0.00094		6.75	5952.22
MW-07	13-Mar-07	<1	<2	<2	<2	0.0079		6.80	5952.17
MW-07	26-Mar-07	<1	<2	<2	<2	<0.0008			
MW-07	11-Apr-07	<1	<2	<2	<2	0.001			
MW-07	25-Apr-07	<0.5	<5	<0.5	<2	0.0016			
MW-07	08-May-07	<0.5	<5	<0.5	<2	<0.01			
MW-07	20-Jun-07	<0.25	<0.25	<0.25	<0.25	-88.8			
MW-07	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-07	20-Jun-07	<1	<2	<2	<2	<0.0008			
MW-07	12-Sep-07	<1	<2	<2	<2	<0.0008		8.21	5950.76
MW-07	17-Dec-07	<1	<2	<2	<2	<0.0008		5.72	5953.25
MW-07	03-Mar-08	<1	<2	<2	<2	<0.0008		6.84	5952.13
MW-07	17-Jun-08	<1	<2	<2	<2	<0.0008		4.53	5954.44
MW-07	09-Dec-08	<1	<2	<2	<2	0.0032		7.60	5951.37
MW-07	16-Mar-09	<1	<2	<2	<2	<0.0008		6.95	5952.02
MW-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

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	12-Jul-05	**120**	<5	<0.5	NA	3.1		7.92	5951.37
MW-08	12-Jul-05	<1	<2	<2	<2	0.043		7.92	5951.37
MW-08	09-Aug-05	<1	<2	<2	<2	0.045		8.15	5951.14
MW-08	12-Sep-05	<1	<2	<2	<2	0.22		9.07	5950.22
MW-08	12-Oct-05	<0.5	<5	<0.5	NA	<0.01			
MW-08	12-Oct-05	<1	<2	<2	<2	0.25			
MW-08	12-Oct-05	<1	<2	<2	<3	0.19			
MW-08	08-Nov-05	<1	<2	<2	<4	0.11			
MW-08	08-Dec-05	<1	<2	<2	<5	0.08		8.86	5950.43
MW-08	11-Jan-06	<1	<2	<2	<6	0.13		8.99	5950.30
MW-08	14-Feb-06	<0.5	<1	<1	<1	0.206		9.02	5950.27
MW-08	15-Mar-06	<1	<2	<2	<2	0.23		8.89	5950.40
MW-08	12-Apr-06	<1	<2	<2	<2	0.11		8.34	5950.95
MW-08	11-May-06	<0.5	<0.5	<0.5	<0.5	0.0649		7.50	5951.79
MW-08	11-May-06	<1	<2	<2	<2	0.032		7.50	5951.79
MW-08	11-May-06	<1	<2	<2	<2	0.017		7.50	5951.79
MW-08	12-Jun-06	<1	<2	<2	<2	0.13			
MW-08	21-Jul-06	<1	<2	<2	<2	0.0024			
MW-08	28-Jul-06	<1	<2	<2	<2	0.14			
MW-08	04-Aug-06	<1	<2	<2	<2	0.18			
MW-08	11-Aug-06	<1	<2	<2	<2	0.1			
MW-08	16-Aug-06	<1	<2	<2	<2	0.2		25.03	5934.26
MW-08	24-Aug-06	<1	<2	<2	<2	0.34		9.89	5949.40
MW-08	31-Aug-06	<1	<2	<2	<2	0.7		10.01	5949.28
MW-08	07-Sep-06	<1	<2	<2	<2	0.47		10.11	5949.18
MW-08	13-Sep-06	<1	<2	<2	<2	0.74		10.16	5949.13
MW-08	21-Sep-06	<1	<2	<2	<2	1.1		10.11	5949.18
MW-08	27-Sep-06	<1	<2	<2	<2	0.58		10.04	5949.25
MW-08	06-Oct-06	<1	<2	<2	<2	0.45		10.25	5949.04
MW-08	12-Oct-06	<1	<2	<2	<2	0.39		9.84	5949.45
MW-08	19-Oct-06	<1	<2	<2	<2	0.42		9.75	5949.54
MW-08	25-Oct-06	<1	<2	<2	<2	0.34		10.00	5949.29
MW-08	01-Nov-06	<1	<2	<2	<2	0.28		9.49	5949.80
MW-08	17-Nov-06	<1	<2	<2	<2	0.0043		9.32	5949.97
MW-08	05-Dec-06	<1	<2	<2	<2	0.045		9.42	5949.87
MW-08	03-Jan-07	<1	<2	<2	<2	0.00092			
MW-08	17-Jan-07	<1	<2	<2	<2	0.0034			
MW-08	05-Feb-07	<1	<2	<2	<2	0.12			
MW-08	22-Feb-07	<1	<2	<2	<2	0.22		9.12	5950.17
MW-08	07-Mar-07	<1	<2	<2	<2	0.48		9.06	5950.23
MW-08	13-Mar-07	<1	<2	<2	<2	0.18		9.11	5950.18
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-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

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	13-Oct-04	**280**	230	9.8	96	9.9		4.15	5960.98
MW-09	09-Nov-04	**320**	170	11	104	9		4.05	5961.08
MW-09	09-Nov-04	**280**	160	9.8	100	14		4.05	5961.08
MW-09	09-Nov-04	**310**	160	10	98	10		4.05	5961.08
MW-09	13-Dec-04	**350**	130	13	127	14		4.06	5961.07
MW-09	12-Jan-05	**290**	110	12	113	16	13.3	4.18	5960.95
MW-09	09-Feb-05	**260**	48	<10	86	9.4	8.5	4.53	5960.60
MW-09	08-Mar-05	**210**	22	<10	<10	11		4.65	5960.48
MW-09	12-Apr-05	**210**	23	<2	<2	11		4.63	5960.50
MW-09	09-May-05	**210**	32	9.4	81	12	10.3	4.25	5960.88
MW-09	08-Jun-05	**210**	39	<2	<2	12		4.25	5960.88
MW-09	11-Jul-05	**160**	18	5.1	50.5	9.3	7.8	4.58	5960.55
MW-09	08-Aug-05	**120**	12	<10	<10	7.8		4.52	5960.61
MW-09	12-Sep-05	**78**	3.6	3	31.4	9.7	7.6	4.49	5960.64
MW-09	11-Oct-05	**55**	5.5	2.4	24.8	8.7		4.32	5960.81
MW-09	07-Nov-05	**35**	<2	<2	<2	7.6			
MW-09	08-Dec-05	**38**	<2	<2	<2	7.7		4.51	5960.62
MW-09	10-Jan-06	**40**	<2	<2	<2	12	9.9	4.61	5960.52
MW-09	14-Feb-06	**34.4**	<1	1.2	12.4	6.3		4.63	5960.50
MW-09	15-Mar-06	**30**	<2	<2	<2	14		5.02	5960.11
MW-09	11-Apr-06	**21**	<2	<2	<2	9		4.39	5960.74
MW-09	10-May-06	**16**	<2	<2	<2	9.8	7.8	4.28	5960.85
MW-09	12-Jun-06	**8.6**	<2	<2	<2	10			
MW-09	06-Sep-06	**8.9**	<2	<2	<2	9.3	7.1	4.41	5960.72
MW-09	06-Dec-06	**7.2**	<2	<2	<2	10	7.6	4.08	5961.05
MW-09	13-Mar-07	**7.5**	<2	<2	<2	8.3	6.5	4.45	5960.68
MW-09	30-Apr-07	4.8	<5	<0.5	<2	-88.8			
MW-09	21-Jun-07	<1	<2	<2	<2	5.1			
MW-09	13-Sep-07	4.2	<2	<2	<2	5.4		4.49	5960.64
MW-09	18-Dec-07	2.7	<2	<2	<2	7.1		3.82	5961.31
MW-09	05-Mar-08	1	<2	<2	<2	7.2	5.0	4.05	5961.08
MW-09	17-Jun-08	2.2	<2	<2	<2	6.2	4.2	4.39	5960.74
MW-09	30-Sep-08	<1	<2	<2	<2	5.0	3.5	4.20	5960.93
MW-09	09-Dec-08	1.1	<2	<2	<2	8.6		4.46	5960.67
MW-09	17-Mar-09	2.3	<2	<2	<2	8.1	5.5	4.52	5960.61
MW-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

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	10-May-06	<1	<2	<2	<2	0.035		4.08	5965.58
MW-11	12-Jun-06	<1	<2	<2	<2	0.043			
MW-11	06-Sep-06	<1	<2	<2	<2	0.081		4.15	5965.51
MW-11	06-Dec-06	<1	<2	<2	<2	0.0039		3.98	5965.68
MW-11	13-Mar-07	<1	<2	<2	<2	0.02		3.89	5965.77
MW-11	21-Jun-07	<1	<2	<2	<2	0.018			
MW-11	12-Sep-07	<1	<2	<2	<2	0.028		4.30	5965.36
MW-11	05-Mar-08	<1	<2	<2	<2	0.027		4.09	5965.57
MW-11	17-Jun-08	<1	<2	<2	<2	0.012		4.03	5965.63
MW-11	30-Sep-08	<1	<2	<2	<2	0.0017		4.10	5965.56
MW-11	09-Dec-08	<1	<2	<2	<2	0.016		4.20	5965.46
MW-11	17-Mar-09	<1	<2	<2	<2	0.0073		4.65	5965.01
MW-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-13	13-Dec-04	<1	<2	<2	<2	0.15		2.49	5961.11
MW-13	21-Sep-04	<1	<2	<2	<2	0.061			
MW-13	13-Oct-04	<1	<2	<2	<2	0.011		2.89	5969.11
MW-13	09-Nov-04	<1	<2	<2	<2	0.015		2.80	5969.20
MW-13	13-Dec-04	<1	<2	<2	<2	0.029		2.49	5969.51

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	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-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
MW-14	17-Mar-09	1.0	<2	<2	<2	7.0	4.6	5.29	5959.77
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

Appendix B

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

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-15	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-16	21-Sep-04	**9.5**	<2	<2	<2	1.1			
MW-16	13-Oct-04	4.7	<2	<2	<2	0.85		7.79	5952.66
MW-16	09-Nov-04	2.7	<2	<2	<2	0.34		7.29	5953.16
MW-16	14-Dec-04	4.9	<2	<2	<2	0.8		6.92	5953.53
MW-16	12-Jan-05	**7.6**	<2	<2	<2	1.1		7.20	5953.25
MW-16	09-Feb-05	**6.2**	<2	<2	<2	0.72	0.5	6.96	5953.49
MW-16	08-Mar-05	**6.1**	<2	<2	<2	0.83		7.27	5953.18
MW-16	08-Mar-05	**6.3**	<2	<2	<2	0.66		7.27	5953.18
MW-16	08-Mar-05	**6.2**	<5	<0.5	NA	1.7		7.27	5953.18
MW-16	12-Apr-05	1.4	<2	<2	<2	0.57		7.39	5953.06
MW-16	09-May-05	1.9	<2	<2	<2	0.35		5.81	5954.64
MW-16	08-Jun-05	1.7	<2	<2	<2	0.37		4.20	5956.25
MW-16	12-Jul-05	4	<2	<2	<2	0.62		2.65	5957.80
MW-16	09-Aug-05	**12**	<2	<2	<2	1.1		4.83	5955.62
MW-16	12-Sep-05	**6.4**	<2	<2	<2	1.3		5.45	5955.00
MW-16	11-Oct-05	2.8	<2	<2	<2	0.91			
MW-16	08-Nov-05	4.1	<2	<2	<2	0.62			
MW-16	07-Dec-05	3.4	<2	<2	<2	0.67		4.73	5955.72
MW-16	11-Jan-06	2.1	<2	<2	<2	1.1		5.21	5955.24
MW-16	14-Feb-06	<0.5	<1	<1	<1	0.58		5.25	5955.20
MW-16	15-Mar-06	<1	<2	<2	<2	0.78		5.38	5955.07
MW-16	12-Apr-06	<1	<2	<2	<2	0.59		4.77	5955.68
MW-16	09-May-06	<1	<2	<2	<2	0.2		3.43	5957.02
MW-16	12-Jun-06	<1	<2	<2	<2	0.042			
MW-16	07-Sep-06	3.7	<5	<2	<2	1.7		6.41	5954.04
MW-16	05-Dec-06	<1	<2	<2	<2	1.1		5.21	5955.24
MW-16	13-Mar-07	<1	<2	<2	<2	0.54	0.1	5.50	5954.95
MW-16	20-Jun-07	<1	<2	<2	<2	0.17			
MW-16	12-Sep-07	<1	<2	<2	<2	0.8	0.3	6.45	5954.00
MW-16	18-Dec-07	<1	<2	<2	<2	1.2		8.50	5951.95
MW-16	04-Mar-08	<1	<2	<2	<2	1.2		5.60	5954.85
MW-16	17-Jun-08	<1	<2	<2	<2	0.021	<0.021	2.69	5957.76

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	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-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			
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-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

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	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-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-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

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	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
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-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

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	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
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-22	21-Sep-04	<1	<2	<2	<2	0.025			
MW-22	14-Oct-04	<1	<2	<2	<2	0.061		13.50	5943.58
MW-22	10-Nov-04	<1	<2	<2	<2	0.023		13.20	5943.88
MW-22	14-Dec-04	<1	<2	<2	<2	0.069		12.42	5944.66
MW-22	13-Jan-05	<1	<2	<2	<2	0.03			
MW-22	09-Feb-05	<1	<2	<2	<2	0.0087		11.95	5945.13
MW-22	09-Mar-05	<1	<2	<2	<2	0.0043		11.89	5945.19
MW-22	09-Mar-05	<1	<2	<2	<2	0.0034		11.89	5945.19
MW-22	09-Mar-05	<0.5	<5	<0.5	<2	<0.01		11.89	5945.19
MW-22	13-Apr-05	<1	<2	<2	<2	0.0013		11.78	5945.30
MW-22	10-May-05	<1	<2	<2	<2	<0.0008		11.14	5945.94
MW-22	09-Jun-05	<1	<2	<2	<2	0.0066		8.11	5948.97
MW-22	12-Jul-05	<1	<2	<2	<2	0.021		8.64	5948.44
MW-22	09-Aug-05	<1	<2	<2	<2	0.0084		9.65	5947.43
MW-22	13-Sep-05	<1	<2	<2	<2	0.0025		10.56	5946.52
MW-22	12-Oct-05	<1	<2	<2	<2	0.004		10.56	5946.52
MW-22	08-Nov-05	<1	<2	<2	<2	0.0042		10.16	5946.92

Appendix B

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

Sample ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Methane (mg/L)	Estimated Thermogenic Methane (mg/L)	DTW (ft)	Groundwater Elevation (ft-msl)
MW-22	08-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-23	23-Sep-04	<1	<2	<2	<2	3.7			
MW-23	14-Oct-04	<1	<2	<2	<2	5.5		17.05	5935.64
MW-23	10-Nov-04	<1	<2	<2	<2	6.1		17.20	5935.49
MW-23	14-Dec-04	<1	<2	<2	<2	6.6		15.71	5936.98
MW-23	13-Jan-05	<1	<2	<2	<2	7.2		16.02	5936.67
MW-23	10-Feb-05	<1	<2	<2	<2	4.3	0.0		
MW-23	09-Mar-05	<1	<2	<2	<2	4.1		16.58	5936.11
MW-23	13-Apr-05	<1	<2	<2	<2	7.5		16.08	5936.61
MW-23	11-May-05	<1	<2	<2	<2	4		14.51	5938.18
MW-23	09-Jun-05	<1	<2	<2	<2	4.9		13.15	5939.54
MW-23	13-Jul-05	<1	<2	<2	<2	3.4		13.33	5939.36
MW-23	10-Aug-05	<1	<2	<2	<2	3.6		15.14	5937.55
MW-23	12-Sep-05	<1	<2	<2	<2	4.4		16.93	5935.76
MW-23	11-Oct-05	<1	<2	<2	<2	3.3			
MW-23	09-Nov-05	<1	<2	<2	<2	3.5			
MW-23	08-Dec-05	<1	<2	<2	<2	3.2		16.08	5936.61
MW-23	12-Jan-06	<1	<2	<2	<2	3		16.16	5936.53
MW-23	15-Feb-06	<1	<2	<2	<2	5.5		16.03	5936.66
MW-23	16-Mar-06	<1	<2	<2	<2	7.3		16.15	5936.54
MW-23	11-Apr-06	<1	<2	<2	<2	5.3		14.80	5937.89
MW-23	11-May-06	<1	<2	<2	<2	4.6		13.15	5939.54
MW-23	13-Jun-06	<1	<2	<2	<2	0.92			
MW-23	21-Jul-06	<1	<2	<2	<2	2.4			
MW-23	28-Jul-06	<1	<2	<2	<2	3.6			
MW-23	04-Aug-06	<1	<2	<2	<2	4.2			
MW-23	11-Aug-06	<1	<2	<2	<2	4			
MW-23	16-Aug-06	<1	<2	<2	<2	3.3			
MW-23	24-Aug-06	<1	<2	<2	<2	5.4			
MW-23	31-Aug-06	<1	<2	<2	<2	5		17.39	5935.30
MW-23	06-Sep-06	<1	<2	<2	<2	2.9		17.29	5935.40
MW-23	13-Sep-06	<1	<2	<2	<2	5.5		17.36	5935.33
MW-23	21-Sep-06	<1	<2	<2	<2	4.8		17.45	5935.24
MW-23	27-Sep-06	<1	<2	<2	<2	4		17.22	5935.47
MW-23	06-Oct-06	<1	<2	<2	<2	4.6		17.18	5935.51
MW-23	12-Oct-06	<1	<2	<2	<2	5.7		17.21	5935.48
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

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	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-24	21-Sep-04	<1	<2	<2	<2	<0.0008			
MW-24	14-Oct-04	<1	<2	<2	<2	0.00082		5.25	5949.66
MW-24	10-Nov-04	<1	<2	<2	<2	<0.0008		6.00	5948.91
MW-24	14-Dec-04	<1	<2	<2	<2	<0.0008		6.54	5948.37
MW-24	13-Jan-05	<1	<2	<2	<2	<0.0008			
MW-24	10-Feb-05	<1	<2	<2	<2	<0.0008			
MW-24	09-Mar-05	<1	<2	<2	<2	<0.0008		6.95	5947.96
MW-24	13-Apr-05	<1	<2	<2	<2	<0.0008		7.28	5947.63
MW-24	11-May-05	<1	<2	<2	<2	<0.0008		2.64	5952.27
MW-24	09-Jun-05	<1	<2	<2	<2	<0.0008		7.08	5947.83
MW-24	13-Jul-05	<1	<2	<2	<2	<0.0008			
MW-24	10-Aug-05	<1	<2	<2	<2	<0.0008		5.02	5949.89
MW-24	10-Aug-05	<1	<2	<2	<2	<0.0008		5.02	5949.89
MW-24	10-Aug-05	<0.5	<5	<0.5	1.9	<0.01		5.02	5949.89
MW-24	12-Sep-05	<1	<2	<2	<2	<0.0008		5.35	5949.56
MW-24	12-Oct-05	<1	<2	<2	<2	<0.0008		5.83	5949.08
MW-24	09-Nov-05	<1	<2	<2	<2	<0.0008			
MW-24	09-Nov-05	<0.5	<5	<0.5	NA	<0.01			
MW-24	09-Nov-05	<1	<2	<2	<2	<0.0008			
MW-24	08-Dec-05	<1	<2	<2	<2	<0.0008		5.82	5949.09
MW-24	10-Jan-06	<1	<2	<2	<2	<0.0008		5.88	5949.03
MW-24	15-Feb-06	<1	<2	<2	<2	<0.0008		6.18	5948.73
MW-24	15-Feb-06	<1	<2	<2	<2	<0.0008		6.18	5948.73
MW-24	15-Feb-06	<0.5	<0.5	<0.5	<0.5	<0.0034		6.18	5948.73
MW-24	16-Mar-06	<1	<2	<2	<2	0.002		6.45	5948.46
MW-24	13-Apr-06	<1	<2	<2	<2	<0.0008		6.13	5948.78
MW-24	11-May-06	<1	<2	<2	<2	<0.0008		6.78	5948.13
MW-24	13-Jun-06	<1	<2	<2	<2	<0.0008			
MW-24	06-Sep-06	<1	<2	<2	<2	<0.0008		5.23	5949.68
MW-24	06-Dec-06	<1	<2	<2	<2	<0.0008		5.36	5949.55
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

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-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-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-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

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-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-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

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)
EP-01	08-Apr-04	< 1	< 2	< 2	< 2	0.015			
E2	16-Sep-04	< 1	< 2	< 2	< 2	0.16			
E2	20-Apr-05	< 1	< 2	< 2	< 2	0.0015			
E2	18-May-05	< 1	< 2	< 2	< 2	0.0035			
E2	09-Jun-05	< 1	< 2	< 2	< 2	0.43			
E2-D	09-Jun-05	< 1	< 2	< 2	< 2	0.51			
E2-S	09-Jun-05	< 0.5	< 5	< 0.5	< 1.5	0.13			
E2	13-Jul-05	< 1	< 2	< 2	< 2	0.41			
E2	10-Aug-05	< 1	< 2	< 2	< 2	0.23			
E2	08-Sep-05	< 1	< 2	< 2	< 2	0.11			
E2	06-Oct-05	< 1	< 2	< 2	< 2	0.12			
E2	03-Nov-05	< 1	< 2	< 2	< 2	0.095			
E2	12-Dec-05	< 1	< 2	< 2	< 2	0.0012			
E2	10-Jan-06	< 1	< 2	< 2	< 2	0.037			
E2	15-Feb-06	< 1	< 2	< 2	< 2	0.027			
E2	16-Mar-06	< 1	< 2	< 2	< 2	0.13			
E2	11-Apr-06	< 1	< 2	< 2	< 2	0.16			
E2	03-May-06	< 1	< 2	< 2	< 2	0.14			
E2	06-Jun-06	< 1	< 2	< 2	< 2	0.059			
E2	21-Jul-06	< 1	< 2	< 2	< 2	0.16			
E2	28-Jul-06	< 1	< 2	< 2	< 2	0.068			
E2	04-Aug-06	< 1	< 2	< 2	< 2	0.085			
E2	11-Aug-06	< 1	< 2	< 2	< 2	0.051			
E2	16-Aug-06	< 1	< 2	< 2	< 2	0.064			
E2	24-Aug-06	< 1	< 2	< 2	< 2	0.05			
E2	31-Aug-06	< 1	< 2	< 2	< 2	0.041			
E2	06-Sep-06	< 1	< 2	< 2	< 2	0.038			
E2	13-Sep-06	< 1	< 2	< 2	< 2	0.03			
E2	21-Sep-06	< 1	< 2	< 2	< 2	0.052			
E2	27-Sep-06	< 1	< 2	< 2	< 2	0.018			
E2	06-Oct-06	< 1	< 2	< 2	< 2	0.013			
E2	12-Oct-06	< 1	< 2	< 2	< 2	0.028			
E2	19-Oct-06	< 1	< 2	< 2	< 2	0.016			
E2	25-Oct-06	< 1	< 2	< 2	< 2	0.0061			
E2-D	25-Oct-06	< 1	< 2	< 2	< 2	0.0098			
E2-S	25-Oct-06	< 0.25	< 0.25	< 0.25	< 0.5	0.00274			
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			

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	24-Sep-07	< 1	< 2	< 2	< 2	0.11			
E2	09-Oct-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	24-Oct-07	< 0.5	< 5	< 0.5	< 2	< 0.0008			
EDC-1	02-Nov-07	< 1	< 2	< 2	< 2	0.0041			
EDC-2	02-Nov-07	< 0.5	< 5	< 0.5	NS	0.0089			
E2	07-Nov-07	< 0.5	< 5	< 0.5	< 2	< 0.0008			
E2	20-Nov-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	04-Dec-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	18-Dec-07	< 1	< 2	< 2	< 2	< 0.0008			
E2	03-Jan-08	< 1	< 2	< 2	< 2	0.012			
E2	04-Mar-08	< 1	< 2	< 2	< 2	0.0095			
EICH1	21-May-08	< 0.5	< 5	< 0.5	< 1.5	< 0.01			
ECH2WW	29-Sep-08	< 1	< 2	< 2	< 2	< 0.0008			
EICH1	01-Dec-08	< 0.5	< 5	< 0.5	< 1.5	< 0.010			
EICH2	16-Mar-09	< 1	< 2	< 2	< 2	< 0.0008			
Bold - indicates value exceeds state standard				DTW - depth to water below measuring point					
mg/l - milligrams/liter				**ft - feet**				ft-msl - feet above mean sea level	
ug/l - micrograms/liter				Blank cell - indicates not analyzed or not obtained					

APPENDIX C

Historical Surface Water Results

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	

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	06-Jan-05	<1	<2	<2	<2	0.0015	
DCS-1	10-Jan-05	<1	<2	<2	<2	0.0022	
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	

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-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	
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	

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	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	
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-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	

Appendix C

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

Location ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)	Estimated Thermogenic Methane (mg/L)
Colorado RBSLs (ug/L)		5	1000	680	10,000		
DCS-2	29-Oct-04	2.4	<2	<2	<2	0.25	
DCS-2	30-Oct-04	3.2	<2	<2	<2	0.28	
DCS-2	31-Oct-04	1.3	<2	<2	<2	0.18	
DCS-2	01-Nov-04	3.5	<2	<2	<2	0.33	
DCS-2	02-Nov-04	4.1	<2	<2	<2	0.59	
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	

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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	09-May-05	<1	<2	<2	<2	0.0084	
DCS-2	09-May-05	<1	<2	<2	<2	0.0098	
DCS-2	18-May-05	<1	<2	<2	<2	0.001	
DCS-2	25-May-05	<1	<2	<2	<2	0.0018	
DCS-2	02-Jun-05	<1	<2	<2	<2	0.0023	
DCS-2	08-Jun-05	<1	<2	<2	<2	0.003	
DCS-2	15-Jun-05	<1	<2	<2	<2	0.0027	
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	

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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	22-Feb-06	<1	<2	<2	<2	0.0039	
DCS-2	01-Mar-06	<1	<2	<2	<2	<0.0008	
DCS-2	09-Mar-06	<1	<2	<2	<2	0.0021	
DCS-2	14-Mar-06	<1	<2	<2	<2	0.0014	
DCS-2	22-Mar-06	<1	<2	<2	<2	0.0052	
DCS-2	30-Mar-06	<1	<2	<2	<2	0.0012	
DCS-2	05-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-2	10-Apr-06	<0.25	<0.25	<0.25	<0.25	0.00061	
DCS-2	10-Apr-06	<1	<2	<2	<2	<0.0008	
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-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	

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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	18-Apr-04	**6.4**	4.7	<2	<2	0.4	
DCS-3	19-Apr-04	1.4	<2	<2	<2	0.098	
DCS-3	26-Apr-04	<1	<2	<2	<2	0.081	
DCS-3	29-Apr-04	<1	<2	<2	<2	0.018	
DCS-3	03-May-04	<1	<2	<2	<2	0.027	
DCS-3	26-May-04	<1	<2	<2	<2	0.023	
DCS-3	02-Jun-04	<1	<2	<2	<2	0.014	
DCS-3	09-Jun-04	<1	<2	<2	<2	0.019	
DCS-3	17-Jun-04	<1	<2	<2	<2	0.013	
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	

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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	23-Nov-04	**9.2**	<2	<2	<2	0.98	
DCS-3	02-Dec-04	**12**	<2	<2	<2	1.5	
DCS-3	09-Dec-04	<0.5	<5	<0.5	NA	0.058	
DCS-3	09-Dec-04	<1	<2	<2	<2	0.079	
DCS-3	09-Dec-04	<1	<2	<2	<2	0.077	
DCS-3	15-Dec-04	<1	<2	<2	<2	0.006	
DCS-3	20-Dec-04	<1	<2	<2	<2	0.0052	
DCS-3	23-Dec-04	<1	<2	<2	<2	0.03	
DCS-3	06-Jan-05	<1	<2	<2	<2	0.039	
DCS-3	10-Jan-05	<1	<2	<2	<2	0.088	0.045
DCS-3	20-Jan-05	<1	<2	<2	<2	0.022	
DCS-3	26-Jan-05	<1	<2	<2	<2	0.018	
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	

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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	21-Jul-05	<1	<2	<2	<2	0.017	
DCS-3	27-Jul-05	<1	<2	<2	<2	0.0087	
DCS-3	03-Aug-05	<1	<2	<2	<2	0.016	
DCS-3	08-Aug-05	<1	<2	<2	<2	0.017	
DCS-3	16-Aug-05	<1	<2	<2	<2	0.017	
DCS-3	24-Aug-05	<1	<2	<2	<2	0.014	
DCS-3	02-Sep-05	<1	<2	<2	<2	0.026	
DCS-3	09-Sep-05	<1	<2	<2	<2	0.015	
DCS-3	13-Sep-05	<1	<2	<2	<2	0.017	0.012
DCS-3	22-Sep-05	<1	<2	<2	<2	0.0035	
DCS-3	29-Sep-05	<1	<2	<2	<2	0.003	
DCS-3	06-Oct-05	<1	<2	<2	<2	0.093	
DCS-3	10-Oct-05	<1	<2	<2	<2	0.015	
DCS-3	20-Oct-05	<1	<2	<2	<2	0.048	
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	

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	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-3	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-3	09-May-06	<1	<2	<2	<2	<0.0008	0.000
DCS-3	09-May-06	<0.5	<0.5	<0.5	<0.5	0.000849	
DCS-3	09-May-06	<1	<2	<2	<2	<0.0008	
DCS-3	13-Jun-06	<1	<2	<2	<2	0.005	
DCS-3	05-Sep-06	<1	<5	<2	<2	0.015	0.009
DCS-3	04-Dec-06	<1	<5	<2	<2	0.0061	0.000
DCS-3	12-Mar-07	<1	<5	<2	<2	0.0081	0.000
DCS-3	21-Jun-07	<1	<2	<2	<2	0.00082	
DCS-3	13-Sep-07	<1	<2	<2	<2	0.0025	
DCS-3	17-Dec-07	<0.5	<5	<0.5	<2	0.00371	
DCS-3	17-Dec-07	<1	<2	<2	<2	0.0032	
DCS-3	03-Mar-08	<1	<2	<2	<2	0.0021	0.000
DCS-3	18-Jun-08	<1	<2	<2	<2	0.001	<0.001
DCS-3	29-Sep-08	<1	<2	<2	<2	0.015	0.008
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-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	

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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	01-Nov-04	1.2	<2	<2	<2	0.13	
DCS-4	02-Nov-04	1.9	<2	<2	<2	0.3	
DCS-4	03-Nov-04	1.3	<2	<2	<2	0.16	
DCS-4	04-Nov-04	1.7	<2	<2	<2	0.21	
DCS-4	05-Nov-04	1.5	<2	<2	<2	0.15	
DCS-4	06-Nov-04	1.3	<2	<2	<2	0.17	
DCS-4	07-Nov-04	1.3	<2	<2	<2	0.16	
DCS-4	08-Nov-04	1	<2	<2	<2	0.077	
DCS-4	09-Nov-04	1	<2	<2	<2	0.11	
DCS-4	10-Nov-04	<1	<2	<2	<2	0.1	
DCS-4	11-Nov-04	1	<2	<2	<2	0.1	
DCS-4	12-Nov-04	**9.8**	<2	<2	<2	0.12	
DCS-4	19-Nov-04	1.1	<2	<2	<2	0.14	
DCS-4	23-Nov-04	1.8	<2	<2	<2	0.26	
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	

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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	18-May-05	<1	<2	<2	<2	0.0012	
DCS-4	25-May-05	<1	<2	<2	<2	0.0012	
DCS-4	02-Jun-05	<1	<2	<2	<2	0.003	
DCS-4	08-Jun-05	<1	<2	<2	<2	0.0054	
DCS-4	15-Jun-05	<1	<2	<2	<2	0.0033	
DCS-4	21-Jun-05	<1	<2	<2	<2	0.0022	
DCS-4	30-Jun-05	<1	<2	<2	<2	0.0027	
DCS-4	07-Jul-05	<1	<2	<2	<2	0.0042	
DCS-4	11-Jul-05	<1	<2	<2	<2	0.0041	
DCS-4	21-Jul-05	<1	<2	<2	<2	0.0075	
DCS-4	27-Jul-05	<1	<2	<2	<2	0.0035	
DCS-4	03-Aug-05	<1	<2	<2	<2	0.0077	
DCS-4	08-Aug-05	<1	<2	<2	<2	0.0077	
DCS-4	16-Aug-05	<1	<2	<2	<2	0.0089	
DCS-4	24-Aug-05	<1	<2	<2	<2	0.0068	
DCS-4	02-Sep-05	<1	<2	<2	<2	0.0089	
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	

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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	24-Jan-06	<1	<2	<2	<2	0.019	
DCS-4	01-Feb-06	<1	<2	<2	<2	0.0059	
DCS-4	09-Feb-06	<0.5	<1	<1	<1	0.015	
DCS-4	13-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-4	22-Feb-06	<1	<2	<2	<2	0.0054	
DCS-4	01-Mar-06	<1	<2	<2	<2	0.0013	
DCS-4	09-Mar-06	<1	<2	<2	<2	0.0032	
DCS-4	14-Mar-06	<1	<2	<2	<2	0.004	
DCS-4	22-Mar-06	<1	<2	<2	<2	0.008	
DCS-4	30-Mar-06	<1	<2	<2	<2	0.0018	
DCS-4	05-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-4	10-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-4	20-Apr-06	<1	<2	<2	<2	0.00078	
DCS-4	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-4	04-May-06	<1	<2	<2	<2	<0.0008	
DCS-4	09-May-06	<1	<2	<2	<2	0.00081	
DCS-4	13-Jun-06	<1	<2	<2	<2	0.0038	
DCS-4	05-Sep-06	<1	<5	<2	<2	0.0096	
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-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	

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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	26-May-04	<1	<2	<2	<2	0.015	
DCS-5	02-Jun-04	<1	<2	<2	<2	0.012	
DCS-5	08-Jul-04	<1	<2	<2	<2	0.016	
DCS-5	03-Aug-04	<1	<2	<2	<2	0.014	
DCS-5	14-Sep-04	<1	<2	<2	<2	0.017	
DCS-5	12-Oct-04	<1	<2	<2	<2	0.044	
DCS-5	26-Oct-04	<1	<2	<2	<2	0.055	
DCS-5	27-Oct-04	<1	<2	<2	<2	0.035	
DCS-5	28-Oct-04	<1	<2	<2	<2	0.028	
DCS-5	29-Oct-04	<1	<2	<2	<2	0.053	
DCS-5	30-Oct-04	<1	<2	<2	<2	0.047	
DCS-5	31-Oct-04	<1	<2	<2	<2	0.052	
DCS-5	01-Nov-04	<1	<2	<2	<2	0.049	
DCS-5	02-Nov-04	<1	<2	<2	<2	0.12	
DCS-5	03-Nov-04	<1	<2	<2	<2	0.072	
DCS-5	04-Nov-04	<1	<2	<2	<2	0.088	
DCS-5	05-Nov-04	<1	<2	<2	<2	0.064	
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	

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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	07-Mar-05	<1	<2	<2	<2	0.012	
DCS-5	18-Mar-05	<1	<2	<2	<2	0.0099	
DCS-5	23-Mar-05	<1	<2	<2	<2	0.021	
DCS-5	29-Mar-05	<1	<2	<2	<2	0.006	
DCS-5	07-Apr-05	<1	<2	<2	<2	0.014	
DCS-5	11-Apr-05	<1	<2	<2	<2	0.044	
DCS-5	20-Apr-05	<1	<2	<2	<2	0.00091	
DCS-5	27-Apr-05	<1	<2	<2	<2	0.0037	
DCS-5	05-May-05	<1	<2	<2	<2	0.0046	
DCS-5	09-May-05	<1	<2	<2	<2	0.0016	
DCS-5	18-May-05	<1	<2	<2	<2	0.0013	
DCS-5	25-May-05	<1	<2	<2	<2	0.0018	
DCS-5	02-Jun-05	<1	<2	<2	<2	0.0035	
DCS-5	08-Jun-05	<1	<2	<2	<2	0.0049	
DCS-5	15-Jun-05	<1	<2	<2	<2	0.0027	
DCS-5	21-Jun-05	<1	<2	<2	<2	0.0025	
DCS-5	30-Jun-05	<1	<2	<2	<2	0.0052	
DCS-5	07-Jul-05	<1	<2	<2	<2	0.0053	
DCS-5	11-Jul-05	<1	<2	<2	<2	0.0053	
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	

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	29-Nov-05	<1	<2	<2	<2	0.023	
DCS-5	06-Dec-05	<1	<2	<2	<2	0.015	
DCS-5	14-Dec-05	<1	<2	<2	<2	0.012	
DCS-5	21-Dec-05	<1	<2	<2	<2	0.0055	
DCS-5	29-Dec-05	<1	<2	<2	<2	0.0048	
DCS-5	05-Jan-06	<1	<2	<2	<2	0.0068	
DCS-5	09-Jan-06	<1	<2	<2	<2	0.0072	
DCS-5	18-Jan-06	<1	<2	<2	<2	0.0074	
DCS-5	24-Jan-06	<1	<2	<2	<2	0.021	
DCS-5	01-Feb-06	<1	<2	<2	<2	0.007	
DCS-5	09-Feb-06	<0.5	<1	<1	<1	0.015	
DCS-5	13-Feb-06	<0.5	<1	<1	<1	<0.002	
DCS-5	13-Feb-06	<0.5	<1	<1	<1	0.009	
DCS-5	13-Feb-06	<0.5	<0.5	<0.5	<0.5	0.013	
DCS-5	22-Feb-06	<1	<2	<2	<2	0.0073	
DCS-5	01-Mar-06	<1	<2	<2	<2	0.0019	
DCS-5	09-Mar-06	<1	<2	<2	<2	0.0041	
DCS-5	14-Mar-06	<1	<2	<2	<2	0.0052	
DCS-5	22-Mar-06	<1	<2	<2	<2	0.0085	
DCS-5	30-Mar-06	<1	<2	<2	<2	0.0025	
DCS-5	05-Apr-06	<1	<2	<2	<2	0.00089	
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	

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	17-Mar-09	<1	<2	<2	<2	0.0012	
DCS-6	13-Apr-04	<1	<2	<2	<2	0.087	
DCS-6	14-Apr-04	<1	<2	<2	<2	0.063	
DCS-6	15-Apr-04	<1	<2	<2	<2	0.11	
DCS-6	16-Apr-04	<1	<2	<2	<2	0.083	
DCS-6	17-Apr-04	<1	<2	<2	<2	0.11	
DCS-6	18-Apr-04	<1	<2	<2	<2	0.093	
DCS-6	19-Apr-04	<1	<2	<2	<2	0.048	
DCS-6	26-Apr-04	<1	<2	<2	<2	0.035	
DCS-6	29-Apr-04	<1	<2	<2	<2	0.011	
DCS-6	29-Apr-04	<1	<2	<2	<2	0.015	
DCS-6	03-May-04	<1	<2	<2	<2	0.014	
DCS-6	02-Jun-04	<1	<2	<2	<2	0.0091	
DCS-6	08-Jul-04	<1	<2	<2	<2	0.014	
DCS-6	03-Aug-04	<1	<2	<2	<2	0.014	
DCS-6	14-Sep-04	<1	<2	<2	<2	0.031	
DCS-6	12-Oct-04	<1	<2	<2	<2	0.032	
DCS-6	26-Oct-04	<1	<2	<2	<2	0.049	
DCS-6	27-Oct-04	<1	<2	<2	<2	0.023	
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	

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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	15-Dec-04	<1	<2	<2	<2	0.018	
DCS-6	20-Dec-04	<1	<2	<2	<2	0.036	
DCS-6	23-Dec-04	<1	<2	<2	<2	0.021	
DCS-6	06-Jan-05	<1	<2	<2	<2	0.019	
DCS-6	10-Jan-05	<1	<2	<2	<2	0.011	
DCS-6	20-Jan-05	<1	<2	<2	<2	0.0086	
DCS-6	26-Jan-05	<1	<2	<2	<2	0.013	
DCS-6	04-Feb-05	<1	<2	<2	<2	0.0088	
DCS-6	07-Feb-05	<1	<2	<2	<2	0.0091	
DCS-6	16-Feb-05	<1	<2	<2	<2	0.011	
DCS-6	24-Feb-05	<1	<2	<2	<2	0.014	
DCS-6	03-Mar-05	<1	<2	<2	<2	0.0086	
DCS-6	07-Mar-05	<1	<2	<2	<2	0.013	
DCS-6	18-Mar-05	<1	<2	<2	<2	0.01	
DCS-6	23-Mar-05	<1	<2	<2	<2	0.023	
DCS-6	29-Mar-05	<1	<2	<2	<2	0.0052	
DCS-6	07-Apr-05	<1	<2	<2	<2	0.015	
DCS-6	11-Apr-05	<1	<2	<2	<2	0.034	
DCS-6	27-Apr-05	<1	<2	<2	<2	0.003	
DCS-6	05-May-05	<1	<2	<2	<2	0.0045	
DCS-6	09-May-05	<1	<2	<2	<2	0.0022	
DCS-6	18-May-05	<1	<2	<2	<2	0.0019	
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	

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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	29-Sep-05	<1	<2	<2	<2	0.0033	
DCS-6	06-Oct-05	<1	<2	<2	<2	0.027	
DCS-6	10-Oct-05	<1	<2	<2	<2	0.014	
DCS-6	10-Oct-05	<1	<2	<2	<2	0.015	
DCS-6	10-Oct-05	<0.5	<5	<0.5	<0.5	0.019	
DCS-6	20-Oct-05	<1	<2	<2	<2	0.014	
DCS-6	27-Oct-05	<1	<2	<2	<2	0.012	
DCS-6	03-Nov-05	<1	<2	<2	<2	0.0066	
DCS-6	07-Nov-05	<1	<2	<2	<2	0.0059	
DCS-6	17-Nov-05	<1	<2	<2	<2	0.007	
DCS-6	22-Nov-05	<1	<2	<2	<2	0.013	
DCS-6	29-Nov-05	<1	<2	<2	<2	0.021	
DCS-6	06-Dec-05	<1	<2	<2	<2	0.015	
DCS-6	06-Dec-05	<1	<2	<2	<2	0.014	
DCS-6	06-Dec-05	<0.5	<5	<0.5	NA	0.014	
DCS-6	14-Dec-05	<1	<2	<2	<2	0.011	
DCS-6	21-Dec-05	<1	<2	<2	<2	0.0064	
DCS-6	29-Dec-05	<1	<2	<2	<2	0.0026	
DCS-6	05-Jan-06	<1	<2	<2	<2	0.0056	
DCS-6	09-Jan-06	<1	<2	<2	<2	0.0078	
DCS-6	18-Jan-06	<1	<2	<2	<2	0.0066	
DCS-6	24-Jan-06	<1	<2	<2	<2	0.036	
DCS-6	01-Feb-06	<1	<2	<2	<2	0.0056	
DCS-6	09-Feb-06	<0.5	<1	<1	<1	0.016	
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	

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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	05-Sep-06	<1	<5	<2	<2	0.013	
DCS-6	04-Dec-06	<1	<5	<2	<2	0.013	
DCS-6	12-Mar-07	<1	<5	<2	<2	0.0035	
DCS-6	21-Jun-07	<1	<2	<2	<2	0.0025	
DCS-6	13-Sep-07	<1	<2	<2	<2	NA	
DCS-6	17-Dec-07	<1	<2	<2	<2	0.0078	
DCS-6	04-Mar-08	<1	<2	<2	<2	0.0047	
DCS-6	18-Jun-08	<1	<2	<2	<2	0.0029	
DCS-6	29-Sep-08	<1	<2	<2	<2	0.011	
DCS-6	10-Dec-08	<1	<2	<2	<2	0.085	
DCS-6	17-Mar-09	<1	<2	<2	<2	0.0011	
DCS-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	

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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-7	30-Jun-05	<1	<2	<2	<2	0.0036	
DCS-7	07-Jul-05	<1	<2	<2	<2	0.0054	
DCS-7	11-Jul-05	<1	<2	<2	<2	0.0051	
DCS-7	21-Jul-05	<1	<2	<2	<2	0.0082	
DCS-7	27-Jul-05	<1	<2	<2	<2	0.0053	
DCS-7	03-Aug-05	<1	<2	<2	<2	0.0074	
DCS-7	08-Aug-05	<1	<2	<2	<2	0.0099	
DCS-7	16-Aug-05	<1	<2	<2	<2	0.0098	
DCS-7	24-Aug-05	<1	<2	<2	<2	0.0085	
DCS-7	02-Sep-05	<1	<2	<2	<2	0.0085	
DCS-7	09-Sep-05	<1	<2	<2	<2	0.0074	
DCS-7	13-Sep-05	<1	<2	<2	<2	0.0079	
DCS-7	22-Sep-05	<1	<2	<2	<2	0.0021	
DCS-7	29-Sep-05	<1	<2	<2	<2	0.0034	
DCS-7	06-Oct-05	<1	<2	<2	<2	0.025	
DCS-7	10-Oct-05	<1	<2	<2	<2	0.013	
DCS-7	20-Oct-05	<1	<2	<2	<2	0.0096	
DCS-7	27-Oct-05	<1	<2	<2	<2	0.01	
DCS-7	03-Nov-05	<1	<2	<2	<2	0.0064	
DCS-7	07-Nov-05	<1	<2	<2	<2	0.0052	
DCS-7	17-Nov-05	<1	<2	<2	<2	0.0066	
DCS-7	22-Nov-05	<1	<2	<2	<2	0.012	
DCS-7	29-Nov-05	<1	<2	<2	<2	0.022	
DCS-7	06-Dec-05	<1	<2	<2	<2	0.015	
DCS-7	14-Dec-05	<1	<2	<2	<2	0.013	
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	

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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-7	05-Apr-06	<1	<2	<2	<2	0.00079	
DCS-7	10-Apr-06	<1	<2	<2	<2	0.00077	
DCS-7	20-Apr-06	<1	<2	<2	<2	0.00089	
DCS-7	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-7	04-May-06	<1	<2	<2	<2	0.0014	
DCS-7	09-May-06	<1	<2	<2	<2	<0.0008	
DCS-7	13-Jun-06	<1	<2	<2	<2	0.0053	
DCS-7	05-Sep-06	<1	<5	<2	<2	0.01	
DCS-7	04-Dec-06	<1	<5	<2	<2	0.011	
DCS-7	12-Mar-07	<1	<5	<2	<2	0.0027	
DCS-7	21-Jun-07	<1	<2	<2	<2	0.002	
DCS-7	13-Sep-07	<1	<2	<2	<2	-88.8	
DCS-7	17-Dec-07	<1	<2	<2	<2	0.0078	
DCS-7	04-Mar-08	<1	<2	<2	<2	0.004	
DCS-7	18-Jun-08	<1	<2	<2	<2	0.0022	
DCS-7	29-Sep-08	<1	<2	<2	<2	0.0084	
DCS-7	10-Dec-08	<1	<2	<2	<2	0.0083	
DCS-7	17-Mar-09	<1	<2	<2	<2	0.0012	
DCS-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	

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	09-May-05	<1	<2	<2	<2	0.0019	
DCS-8	18-May-05	<1	<2	<2	<2	0.002	
DCS-8	25-May-05	<1	<2	<2	<2	0.0017	
DCS-8	02-Jun-05	<1	<2	<2	<2	0.0032	
DCS-8	08-Jun-05	<1	<2	<2	<2	0.0045	
DCS-8	15-Jun-05	<1	<2	<2	<2	0.0025	
DCS-8	21-Jun-05	<1	<2	<2	<2	0.0024	
DCS-8	30-Jun-05	<1	<2	<2	<2	0.0034	
DCS-8	07-Jul-05	<1	<2	<2	<2	0.0047	
DCS-8	11-Jul-05	<1	<2	<2	<2	0.0044	
DCS-8	21-Jul-05	<1	<2	<2	<2	0.0072	
DCS-8	27-Jul-05	<1	<2	<2	<2	0.0038	
DCS-8	03-Aug-05	<1	<2	<2	<2	0.0099	
DCS-8	08-Aug-05	<0.5	<5	<2	NA	<0.01	
DCS-8	08-Aug-05	<1	<2	<2	<2	0.0075	
DCS-8	08-Aug-05	<1	<2	<2	<2	0.0072	
DCS-8	16-Aug-05	<1	<2	<2	<2	0.0083	
DCS-8	24-Aug-05	<1	<2	<2	<2	0.0065	
DCS-8	02-Sep-05	<1	<2	<2	<2	0.0066	
DCS-8	09-Sep-05	<1	<2	<2	<2	0.0068	
DCS-8	13-Sep-05	<1	<2	<2	<2	0.0064	
DCS-8	22-Sep-05	<1	<2	<2	<2	0.0018	
DCS-8	29-Sep-05	<1	<2	<2	<2	0.0032	
DCS-8	06-Oct-05	<1	<2	<2	<2	0.026	
DCS-8	10-Oct-05	<1	<2	<2	<2	0.0097	
DCS-8	20-Oct-05	<1	<2	<2	<2	0.011	
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	

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	01-Feb-06	<1	<2	<2	<2	0.0056	
DCS-8	09-Feb-06	<0.5	<1	<2	<1	0.015	
DCS-8	13-Feb-06	<0.5	<1	<2	<1	<0.002	
DCS-8	22-Feb-06	<1	<2	<2	<2	0.0052	
DCS-8	01-Mar-06	<1	<2	<2	<2	0.0018	
DCS-8	09-Mar-06	<1	<2	<2	<2	0.0038	
DCS-8	14-Mar-06	<1	<2	<2	<2	0.0088	
DCS-8	22-Mar-06	<1	<2	<2	<2	0.008	
DCS-8	30-Mar-06	<1	<2	<2	<2	0.0024	
DCS-8	05-Apr-06	<1	<2	<2	<2	0.00083	
DCS-8	10-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-8	20-Apr-06	<1	<2	<2	<2	0.0008	
DCS-8	27-Apr-06	<1	<2	<2	<2	<0.0008	
DCS-8	04-May-06	<1	<2	<2	<2	0.0013	
DCS-8	09-May-06	<1	<2	<2	<2	0.0011	
DCS-8	13-Jun-06	<1	<2	<2	<2	0.0043	
DCS-8	05-Sep-06	<1	<5	<2	<2	0.0084	
DCS-8	04-Dec-06	<1	<5	<2	<2	0.011	
DCS-8	12-Mar-07	<1	<5	<2	<2	0.0022	
DCS-8	21-Jun-07	<1	<2	<2	<2	0.0017	
DCS-8	13-Sep-07	<1	<2	<2	<2	0.0064	
DCS-8	13-Sep-07	<1	<2	<2	<2	0.005	
DCS-8	17-Dec-07	<1	<2	<2	<2	0.0058	
DCS-8	04-Mar-08	<1	<2	<2	<2	0.0034	
DCS-8	18-Jun-08	<1	<2	<2	<2	0.0023	
DCS-8	29-Sep-08	<1	<2	<2	<2	0.0065	
DCS-8	10-Dec-08	<1	<2	<2	<2	0.006	
DCS-8	17-Mar-09	<1	<2	<2	<2	0.0011	

Bold - indicates value exceeds state standard
mg/l - milligrams/liter
ug/l - micrograms/liter
Total number of observations for all points over all dates: 981

APPENDIX D

Historical QA/QC Results
Surface and Ground Water

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-4		2/7/05	< 1	< 2	< 2	< 2	0.0096
DCS-4	Dup	2/7/05	< 1	< 2	< 2	< 2	0.0096
DCS-4	Split	2/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-4		11/7/05	< 1	< 2	< 2	< 2	0.0044
DCS-4	Dup	11/7/05	< 1	< 2	< 2	< 2	0.0034
DCS-4	Split	11/7/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
DCS-4		1/9/06	< 1	< 2	< 2	< 2	0.0064
DCS-4	Dup	1/9/06	< 1	< 2	< 2	< 2	0.0064
DCS-4	Split	1/9/06	< 0.5	< 1	< 1	< 2	0.005
DCS-4		9/29/08	< 1	< 2	< 2	< 2	0.0098
DCS-4	Dup	9/29/08	< 1	< 2	< 2	< 2	0.0098
DCS-4	Split	9/29/08	< 0.5	< 0.5	< 0.5	< 0.5	0.012
DCS-5		9/13/05	< 1	< 2	< 2	< 2	0.0076
DCS-5	Dup	9/13/05	< 1	< 2	< 2	< 2	0.0075
DCS-5	Split	9/13/05	0.99	< 5	< 0.5	1.9	0.012
DCS-5		2/13/06	< 0.5	< 1	< 1	< 2	< 0.002
DCS-5	Dup	2/13/06	< 0.5	< 1	< 1	< 2	0.009
DCS-5	Split	2/13/06	< 0.5	< 0.5	< 0.5	< 1	0.013
DCS-5		6/13/06	< 1	< 2	< 2	< 2	0.0045
DCS-5	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	0.00445
DCS-5		12/10/08	<1	<2	<2	<2	0.0066
DCS-5	Dup	12/10/08	<1	<2	<2	<2	0.0062
DCS-5	Split	12/10/08	<1	<1	<1	<1	0.003
DCS-6		4/29/04	< 1	< 2	< 2	< 2	0.011
DCS-6	Dup	4/29/04	< 1	< 2	< 2	< 2	0.015
DCS-6		10/10/05	< 1	< 2	< 2	< 2	0.014
DCS-6	Dup	10/10/05	< 1	< 2	< 2	< 2	0.015
DCS-6	Split	10/10/05	< 0.5	< 5	< 0.5	< 1.5	0.019
DCS-6		12/6/05	< 1	< 2	< 2	< 2	0.015
DCS-6	Dup	12/6/05	< 1	< 2	< 2	< 2	0.014
DCS-6	Split	12/6/05	< 0.5	< 5	< 0.5	< 1.5	0.014
DCS-6		3/14/06	< 1	< 2	< 2	< 2	0.012
DCS-6	Dup	3/14/06	< 1	< 2	< 2	< 2	0.012
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

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	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-4		9/15/04	**320**	76	9.5	80.5	9.2
MW-4	Dup	9/15/04	**330**	76	9.1	77.1	8.6
MW-4	Split	9/15/04	**240**	59	6.7	60	27
MW-4		10/14/04	**300**	37	9	55.2	5.6
MW-4	Dup	10/14/04	**300**	51	9	59	9.3
MW-4	Split	10/14/04	**210**	< 50	6.1	37	4.4
MW-4		12/13/04	**270**	36	8.1	64.9	14
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

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

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	9/7/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00523
MW-6		12/17/07	<1	<2	<2	<2	0.0081
MW-6	Dup	12/17/07	< 1	< 2	< 2	< 2	0.008
MW-6	Split	12/17/07	< 0.5	< 5	< 0.5	< 0	0.00846
MW-6		9/30/08	< 1	< 2	< 2	< 2	< 0.008
MW-6	Dup	9/30/08	< 1	< 2	< 2	< 2	< 0.008
MW-6	Split	9/30/08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.001
MW-7		5/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Dup	5/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Split2	5/10/05	< 0.5	< 5	< 0.5	< 1.5	0.031
MW-7		10/11/05	< 1	< 2	< 2	< 2	0.0075
MW-7	Dup	10/11/05	< 1	< 2	< 2	< 2	0.026
MW-7	Split2	10/11/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-7		9/7/06	< 1	< 2	< 2	< 2	0.047
MW-7	Dup	9/7/06	< 1	< 2	< 2	< 2	0.039
MW-7	Split	9/7/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00163
MW-7		9/21/06	< 1	< 2	< 2	< 2	0.002
MW-7	DUP	9/21/06	< 1	< 2	< 2	< 2	0.0013
MW-7	Split	9/21/06	< 0.25	< 0.25	< 0.25	< 0.5	0.000762
MW-7		6/20/07	< 1	< 2	< 2	< 2	< 0.0008
MW-7	Dup	6/20/07	< 1	< 2	< 2	< 2	0.0013
MW-7	Split	6/20/07	< 0.25	< 0.25	< 0.25	< 0.5	NS
MW-8		11/10/04	**140**	< 2	< 2	< 2	7.2
MW-8	Dup	11/10/04	**150**	< 2	< 2	< 2	6.5
MW-8	Split	11/10/04	**120**	< 5	< 0.5	< 1.5	3.1
MW-8		7/12/05	< 1	< 2	< 2	< 2	0.043
MW-8	Dup	7/12/05	< 1	< 2	< 2	< 2	0.12
MW-8	Split	7/12/05	**120**	< 5	< 0.5	< 1.5	3.1
MW-8		10/12/05	< 1	< 2	< 2	< 2	0.25
MW-8	Dup	10/12/05	< 1	< 2	< 2	< 2	0.19
MW-8	Split	10/12/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-8		5/11/06	< 1	< 2	< 2	< 2	0.032
MW-8	Dup	5/11/06	< 1	< 2	< 2	< 2	0.017
MW-8	Split	5/11/06	< 0.5	< 0.5	< 0.5	< 1	0.0649
MW-9		11/9/04	**310**	160	10	98	10
MW-9	Dup	11/9/04	**320**	170	11	104	9
MW-9	Split	11/9/04	**280**	160	9.8	100	14
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

Appendix D

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

Sample ID	Seq	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylene (ug/L)	Total Dissolved Methane (mg/L)
Colorado RBSLs			5	1000	680	10000	
MW-12	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-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-24		8/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	8/10/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split2	8/10/05	< 0.5	< 5	< 0.5	1.9	< 0.01
MW-24		11/9/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	11/9/05	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split2	11/9/05	< 0.5	< 5	< 0.5	< 1.5	< 0.01
MW-24		2/15/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Dup	2/15/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split	2/15/06	< 0.5	< 0.5	< 0.5	< 1	< 0.0034
MW-24		12/6/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	DUP	12/6/06	< 1	< 2	< 2	< 2	< 0.0008
MW-24	Split	12/6/06	< 0.25	< 0.25	< 0.25	< 0.5	0.00028
MW-24		12/10/08	<1	<2	<2	<2	<0.0008
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

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	Split2	4/13/05	< 0.5	< 5	< 0.5	< 1.5	3.7
MW-26		5/11/05	< 1	< 2	< 2	< 2	2.3
MW-26	Dup	5/11/05	< 1	< 2	< 2	< 2	2.1
MW-26	Split2	5/11/05	< 0.5	< 5	< 0.5	< 1.5	0.38
MW-26		9/13/05	< 1	< 2	< 2	< 2	0.97
MW-26	Dup	9/13/05	< 1	< 2	< 2	< 2	0.99
MW-26	Split2	9/13/05	< 0.5	< 5	< 0.5	< 1.5	1.5
MW-26		3/16/06	< 1	< 2	< 2	< 2	0.83
MW-26	Dup	3/16/06	< 1	< 2	< 2	< 2	0.79
MW-26	Split	3/16/06	< 0.25	< 0.25	< 0.25	< 0.5	0.000377
MW-26		4/12/06	< 1	< 2	< 2	< 2	0.45
MW-26	Dup	4/12/06	< 1	< 2	< 2	< 2	0.6
MW-26	Split	4/12/06	< 0.25	< 0.25	< 0.25	< 0.5	0.858
MW-26		5/11/06	< 1	< 2	< 2	< 2	0.75
MW-26	Dup	5/11/06	< 1	< 2	< 2	< 2	0.74
MW-26	Split	5/11/06	< 0.5	< 0.5	< 0.5	< 1	0.877
MW-26		6/13/06	< 1	< 2	< 2	< 2	0.63
MW-26	Dup	6/13/06	< 1	< 2	< 2	< 2	0.74
MW-26	Split	6/13/06	< 0.5	< 0.5	< 0.5	< 1	0.767
MW-26		12/6/06	< 1	< 2	< 2	< 2	1.1
MW-26	DUP	12/6/06	< 1	< 2	< 2	< 2	0.76
MW-26	Split	12/6/06	< 0.25	< 0.25	< 0.25	< 0.5	0.355
MW-26		6/17/08	< 1	< 2	< 2	< 2	0.55
MW-26	Dup	6/17/08	< 1	< 2	< 2	< 2	0.51
MW-26	Split	6/17/08	< 1	< 1	< 1	< 3	NS
MW-26		12/9/08	<1	<2	<2	<2	0.73
MW-26	Dup	12/9/08	<1	<2	<2	<2	0.79
MW-26	Split	12/9/08	<1	<1	<1	<1	0.145
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

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

Appendix E

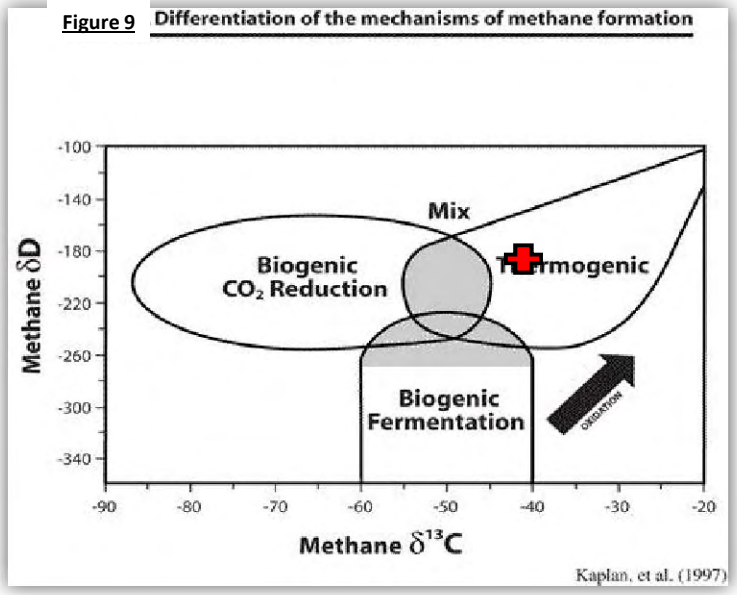
Thermogenic Methane Data

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

Date	Site ID	Total Methane mg/L	Thermogenic Methane mg/L	$\delta^{13}C_1$ per mil	δDC_1 per mil	Comment
16-Apr-09	DCS2	<0.0008	<0.0008			Hydrocarbon levels (including methane) too low for accurate analysis
16-Apr-09	DCS3	<0.0008	<0.0008			Hydrocarbon levels (including methane) too low for accurate analysis
16-Apr-09	MW2	6.1	3.4	-40.060	-161.000	Consistent with thermogenic (or mostly thermogenic) formation
16-Apr-09	MW4	9.2	6.6	-39.700	-187.500	Consistent with thermogenic (or mostly thermogenic) formation
16-Apr-09	MW4D	9.1	6.5	-39.730	-187.300	Consistent with thermogenic (or mostly thermogenic) formation
16-Apr-09	MW9	8.1	5.5	-39.880	-186.700	Consistent with thermogenic (or mostly thermogenic) formation
16-Apr-09	MW12	0.13	0.04			Hydrocarbon levels (including methane) too low for accurate analysis
16-Apr-09	MW14	7.0	4.6	-39.700	-190.300	Consistent with thermogenic (or mostly thermogenic) formation
16-Apr-09	MW16	1.4	0.03	-36.230	-164.200	Consistent with thermogenic (or mostly thermogenic) formation
16-Apr-09	MW17	2.2	1.0	-45.170	-202.300	Consistent with thermogenic (or mostly thermogenic) formation

Hydrocarbon levels (including methane) too low for accurate analysis
Isotech data inconsistent with either thermogenic or biogenic formation
Consistent with biogenic formation
All others consistent with thermogenic (or mostly thermogenic) formation

Figure 9 Differentiation of the mechanisms of methane formation



Appendix F

Lab Reports

Evergreen Analytical Labs: report included as .pdf file on CD in back
Energy Labs: report included as .pdf file on CD in back
Isotech Labs: report included as .pdf file on CD in back

001

WORK ORDER Summary Evergreen Analytical, Inc. 09-1760

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/17/2009 1:31:43 PM

Client Project ID: 008-2067

QC Level: Level I

Comments:

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-1760-01A	EICH2	Water	3/16/09 0955	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-01B	EICH2	Water	3/16/09 0955	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-01C	EICH2	Water	3/16/09 0955	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-01D	EICH2	Water	3/16/09 0955	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-02A	MW23	Water	3/16/09 1020	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-02B	MW23	Water	3/16/09 1020	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-02C	MW23	Water	3/16/09 1020	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-02D	MW23	Water	3/16/09 1020	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-03A	MW20	Water	3/16/09 1115	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-03B	MW20	Water	3/16/09 1115	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-03C	MW20	Water	3/16/09 1115	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-03D	MW20	Water	3/16/09 1115	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-04A	MW21	Water	3/16/09 1140	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-04B	MW21	Water	3/16/09 1140	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-04C	MW21	Water	3/16/09 1140	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-04D	MW21	Water	3/16/09 1140	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-05A	MW18	Water	3/16/09 1205	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-05B	MW18	Water	3/16/09 1205	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-05C	MW18	Water	3/16/09 1205	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-05D	MW18	Water	3/16/09 1205	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-06A	MW22	Water	3/16/09 1220	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09

Definitions: * - Test Code has a Select List

002

WORK ORDER Summary Evergreen Analytical, Inc. 09-1760

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/17/2009 1:31:43 PM

Client Project ID: 008-2067

QC Level: Level I

09-1760-06B	MW22	Water	3/16/09 1220	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-06C	MW22	Water	3/16/09 1220	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-06D	MW22	Water	3/16/09 1220	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-07A	MW8	Water	3/16/09 1240	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-07B	MW8	Water	3/16/09 1240	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-07C	MW8	Water	3/16/09 1240	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-07D	MW8	Water	3/16/09 1240	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-08A	MW7	Water	3/16/09 1300	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-08B	MW7	Water	3/16/09 1300	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-08C	MW7	Water	3/16/09 1300	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-08D	MW7	Water	3/16/09 1300	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-09A	MW6	Water	3/16/09 1310	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-09B	MW6	Water	3/16/09 1310	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-09C	MW6	Water	3/16/09 1310	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-09D	MW6	Water	3/16/09 1310	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-10A	MW17	Water	3/16/09 1340	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-10B	MW17	Water	3/16/09 1340	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-10C	MW17	Water	3/16/09 1340	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-10D	MW17	Water	3/16/09 1340	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-11A	MW16	Water	3/16/09 1400	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-11B	MW16	Water	3/16/09 1400	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-11C	MW16	Water	3/16/09 1400	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-11D	MW16	Water	3/16/09 1400	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09

Definitions: * - Test Code has a Select List

003

WORK ORDER Summary Evergreen Analytical, Inc. 09-1760

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/17/2009 1:31:43 PM

Client Project ID: 008-2067

QC Level: Level I

09-1760-12A	MW27	Water	3/16/09 1030	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-12B	MW27	Water	3/16/09 1030	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-12C	MW27	Water	3/16/09 1030	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-12D	MW27	Water	3/16/09 1030	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-13A	MW4	Water	3/16/09 1355	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-13B	MW4	Water	3/16/09 1355	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-13C	MW4	Water	3/16/09 1355	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-13D	MW4	Water	3/16/09 1355	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09
09-1760-14A	MW0	Water	3/16/09 1355	3/17/09	8021_W *	8021: BTEX	☐	☐	3/20/09	3/23/09
09-1760-14B	MW0	Water	3/16/09 1355	3/17/09	MEEP_W *	RSK175M: Methane	☐	☐	3/31/09	3/23/09
09-1760-14C	MW0	Water	3/16/09 1355	3/17/09	6010_D *	6010: Dissolved Metals	☐	☐	3/31/09	9/12/09
09-1760-14D	MW0	Water	3/16/09 1355	3/17/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	3/31/09	3/18/09

Definitions: * - Test Code has a Select List

004

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

CLIENT INFORMATION

CLIENT OLLSON ASSOCIATES
ADDRESS 826 21½ Rd
CITY GRAND JUNCTION STATE CO ZIP 81505
PHONE 970 268-7800 FAX 263-7456 E-mail shall@oaconsulting.com
REPORT BY ☐ MAIL ☐ FAX ☒ PDF ☐ EDD
REPORT CHROMATOGRAMS ☐ YES ☐ NO
REPORT TO (M/Ms) STUART HALL
INVOICE TO SAME
PROJECT I.D. 008-2067
P.O. # _____ EAL. QUOTE # _____
Sampler: _____ (sign)

NOTE: Identify Known Hazards Below

Report Results by: _____ (Date)*
Standard 2 working weeks ☒
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1)Drinking Water or 2)Discharge Water or 3) Ground Water (circle one)	MATRIX: Soil / Solid / Air / Gas	MATRIX: Oil / Sludge / Wipe	TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Pesticides 8081/8270/608 (circle)	PCBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. (Gasoline)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	TRPH 418.1, O&G 413.1, 1664 (circle)	COD, NH_3, TOC, TP (circle)	AIK, BOD, pH, TDS, TSS (circle)	DISSOLVED METHANE	Na	CL	For Laboratory use only
EIC It 2	3-16-09	0955	6										X								X	X	X	01
MW 23		1020											X								X	X	X	02
MW 20		1115											X								X	X	X	03
MW 21		1140											X								X	X	X	04
MW 18		1205											X								X	X	X	05
MW 22		1220											X								X	X	X	06
MW 8		1240											X								X	X	X	07
MW 7		1300											X								X	X	X	08
MW 6		1310											X								X	X	X	09
MW 17		1340											X								X	X	X	10
Does this analysis involve property transfer? ☐ Yes or ☒ No													A								B	C	D	Sample Fraction

W.O.# 09-1760
B.O.F.# NA
C/S (O) _____
C/S (I) CT ME / MPS
Cooler Temp. °C 2.8
Seals Present Y / N / NA
Seals Intact X / N
Samples Pres. Y / N / NA
Headspace Y / N / NA
By JV

Instructions: DISSOLVED METALS NEED TO BE FILTERED.

** **Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
JESS VANN	3-16-09 1730						3-17-09 1035

005

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

Report Results by: _____ (Date)*
Standard 2 working weeks ☒
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

CLIENT INFORMATION

CLIENT OLLSON ASSOCIATES
ADDRESS 826 21 1/2 Rd
CITY GRAND JUNCTION STATE CO ZIP 81505
PHONE 970 263-7600 FAX 970 263-7456 E-mail shall@OACONSULTING.com
REPORT BY ☐ MAIL ☐ FAX ☒ PDF ☐ EDD
REPORT CHROMATOGRAMS ☐ YES ☐ NO
REPORT TO (M/Ms) STUART HALL
INVOICE TO SAME
PROJECT I.D. 008-2067
P.O. # _____ EAL QUOTE # _____
Sampler: _____ (sign)

NOTE: Identify Known Hazards Below

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1) Drinking Water or 2) Discharge Water or 3) Ground Water (circle one)	MATRIX: Soil / Solid / Air / Gas	MATRIX: Oil / Sludge / Wipe	TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Pesticides 8081/8270/608 (circle)	PCBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/8260/MTBE (circle)	TVPH 8015mod. (Gasoline)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	TRPH 418.1, O&G 413.1, 1664 (circle)	COD, NH_3, TOC, TP (circle)	AIK, BOD, pH, TDS, TSS (circle)	DISSOLVED METALS	Na	CL				For Laboratory use only
MW 16	3-16-09	1400	6										X								X	X	X				11
MW 27		1030											X								X	X	X				12
MW 4		1355											X								X	X	X				13
MW 0		1355											X								X	X	X				14
Does this analysis involve property transfer? ☐ Yes or ☒ No													A								B	C	D				Sample Fraction

Instructions: DISSOLVED METALS NEED TO BE FILTERED.

** **Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3-16-09 1730						3-17-09 1035

JESS VANN

Evergreen Analytical, Inc. **Date:** *27-Mar-09*

Lab Order: 09-1760
Client Project ID 008-2067

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.
The temperature of the sample(s) upon arrival was 2.8°C.
Sample(s) were received in good condition, in the proper container, and within holding times.
VOC samples were not preserved.
VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE (QA)

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

CLIENT SERVICES

There are no anomalies to report. PM

GENERAL CHEMISTRY

There are no anomalies to report. MM

METALS ANALYSIS

There are no anomalies to report. MB

GAS CHROMATOGRAPHY

Method RSK-175: There are no anomalies to report. VM
Method 8021_W: There are no anomalies to report. JCC

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: EICH2
Client Project ID: 008-2067
Date Collected: 3/16/09 0955
Date Received: 3/17/09

Lab Work Order 09-1760
Lab Sample ID: 09-1760-01
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	81	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	15.8	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW23	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-02
Date Collected:	3/16/09 1020	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	430	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	49.6	2.5	5	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.37	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: MW20
Client Project ID: 008-2067
Date Collected: 3/16/09 1115
Date Received: 3/17/09

Lab Work Order 09-1760
Lab Sample ID: 09-1760-03
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	100	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	21.8	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW21	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-04
Date Collected:	3/16/09 1140	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	240	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	23.8	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW18	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-05
Date Collected:	3/16/09 1205	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	61	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	4.4	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID: MW22
Client Project ID: 008-2067
Date Collected: 3/16/09 1220
Date Received: 3/17/09

Lab Work Order 09-1760
Lab Sample ID: 09-1760-06
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	110	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	19.4	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW8	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-07
Date Collected:	3/16/09 1240	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	150	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	41.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.22	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW7	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-08
Date Collected:	3/16/09 1300	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	130	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	28.5	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW6	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-09
Date Collected:	3/16/09 1310	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	130	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	24.6	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW17	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-10
Date Collected:	3/16/09 1340	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	250	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	13	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	39.6	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	2.2	0.0080	10	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW16	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-11
Date Collected:	3/16/09 1400	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	260	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	54.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	1.4	0.0080	10	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW27	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-12
Date Collected:	3/16/09 1030	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	300	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	33.1	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW4	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-13
Date Collected:	3/16/09 1355	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	110	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	81	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	15	2.0	1	µg/L
o-Xylene	2.3	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	32.4	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	9.2	0.016	20	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW0	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-14
Date Collected:	3/16/09 1355	**Sample Matrix:**	Water
Date Received:	3/17/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	110	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	83	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	16	2.0	1	µg/L
o-Xylene	2.5	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	31.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	9.1	0.016	20	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/27/2009

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	EICH2	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-01A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\005R **Dilution Factor:** 1

Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	75	**QC Limits:**	60-140	%REC

JCC
Analyst

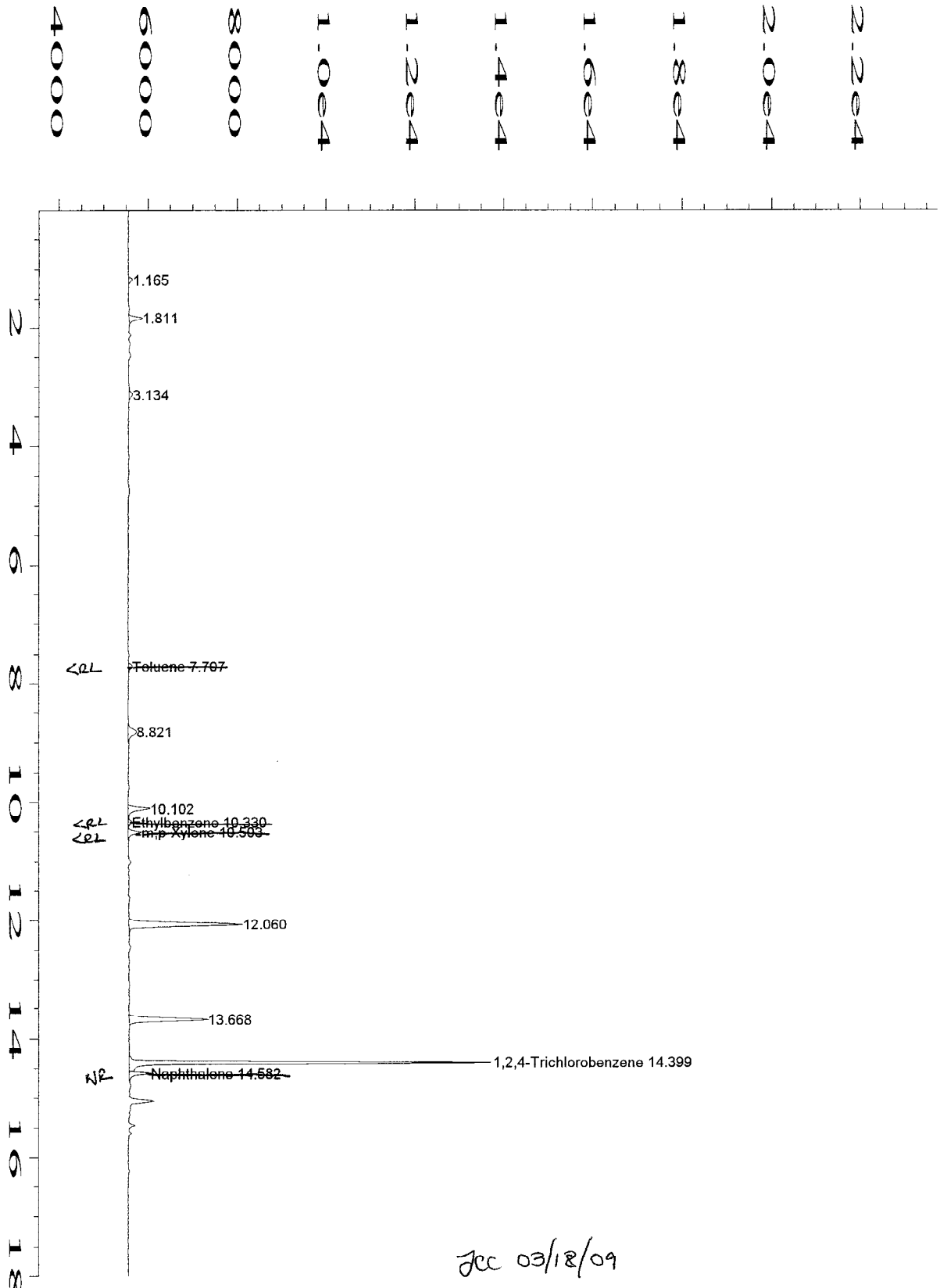
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



JCC 03/18/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\005R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-01A
Run Time Bar Code:
Acquired on : 18 Mar 09 10:59 AM
Report Created on: 18 Mar 09 11:18 AM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

Evergreen Analytical, Inc.

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

Client Sample ID: MW23
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-02A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009
Date Analyzed: 3/18/2009
Lab File ID: TVB40318\008R
Method Blank: MB4031809
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	79	**QC Limits:**	60-140	%REC

JCC
Analyst

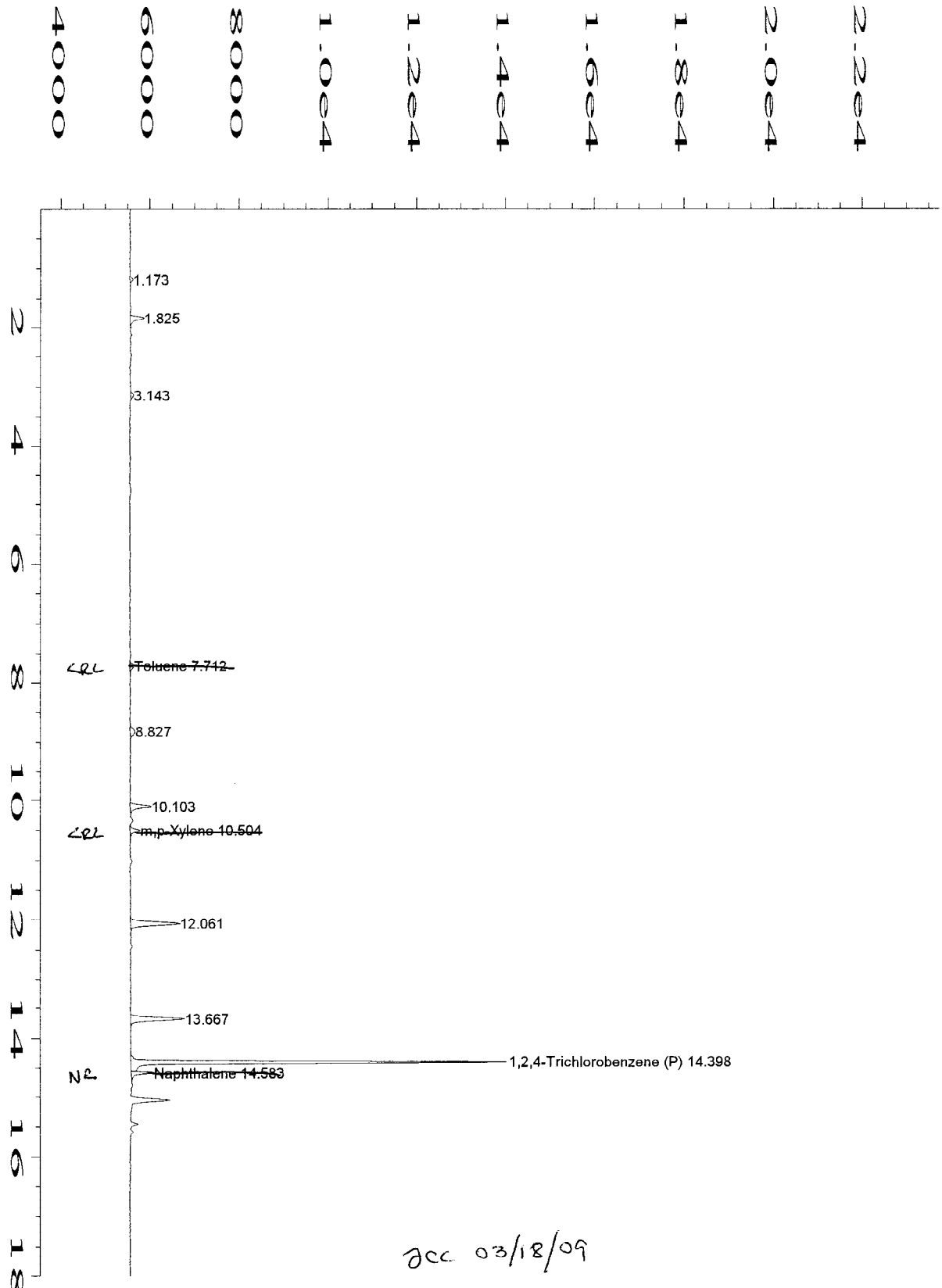
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



acc 03/18/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\008R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-02A
Run Time Bar Code:
Acquired on : 18 Mar 09 12:43 PM
Report Created on: 18 Mar 09 01:01 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

Evergreen Analytical, Inc.

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

Client Sample ID: MW20
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-03A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009
Date Analyzed: 3/18/2009
Lab File ID: TVB40318\009R
Method Blank: MB4031809
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	77	**QC Limits:**	60-140	%REC

JCC
Analyst

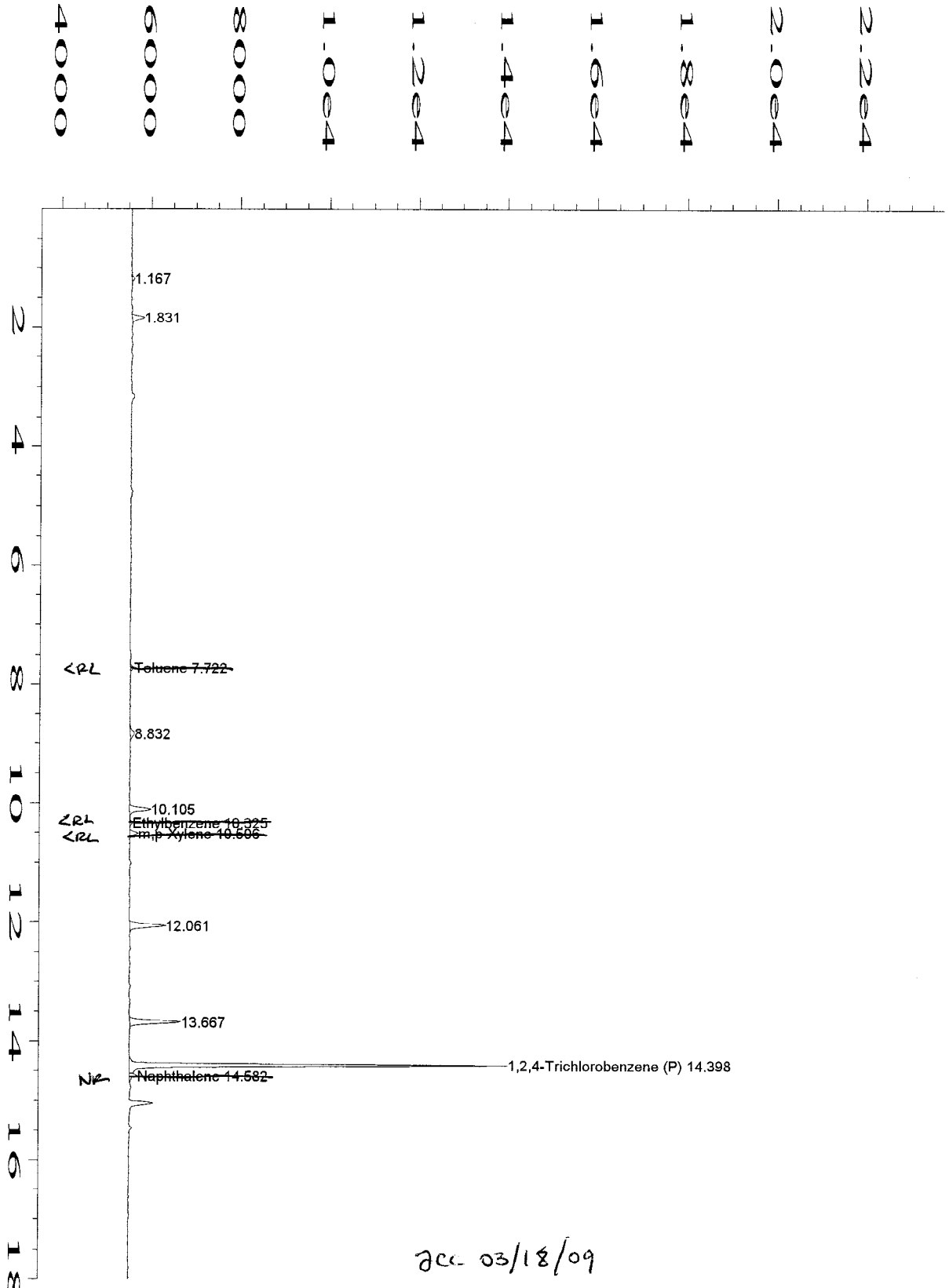
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



JCC 03/18/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\009R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-03A
Run Time Bar Code:
Acquired on : 18 Mar 09 01:18 PM
Report Created on: 18 Mar 09 01:36 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW21	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-04A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\010R **Dilution Factor:** 1

Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	**QC Limits:**	60-140	%REC

JCC
Analyst

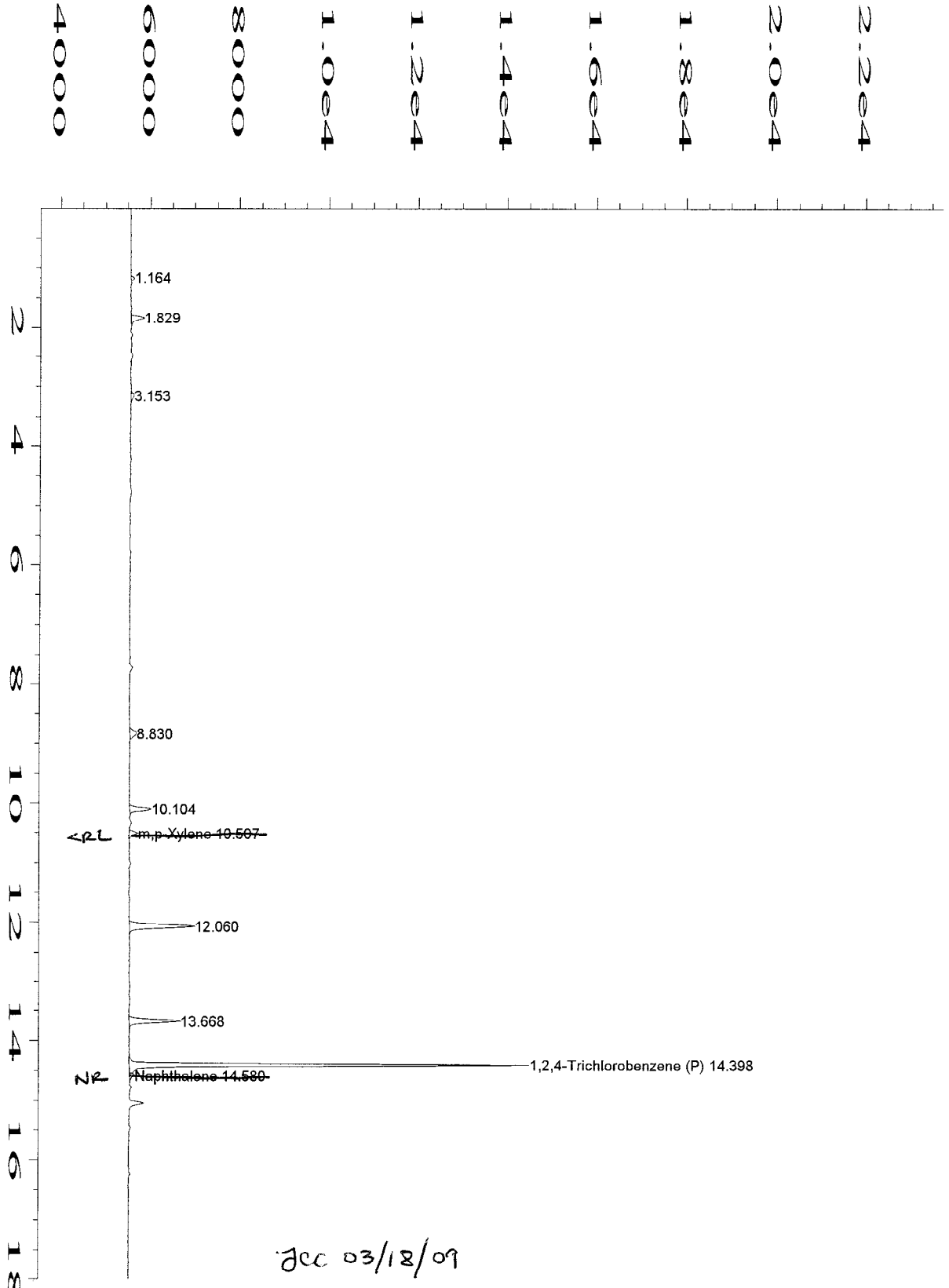
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



JCC 03/18/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\010R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-04A
Run Time Bar Code:
Acquired on : 18 Mar 09 01:52 PM
Report Created on: 18 Mar 09 02:11 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

Evergreen Analytical, Inc.

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

Client Sample ID: MW18
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-05A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\011R **Dilution Factor:** 1
Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	80	QC Limits:	60-140	%REC

JCC
Analyst

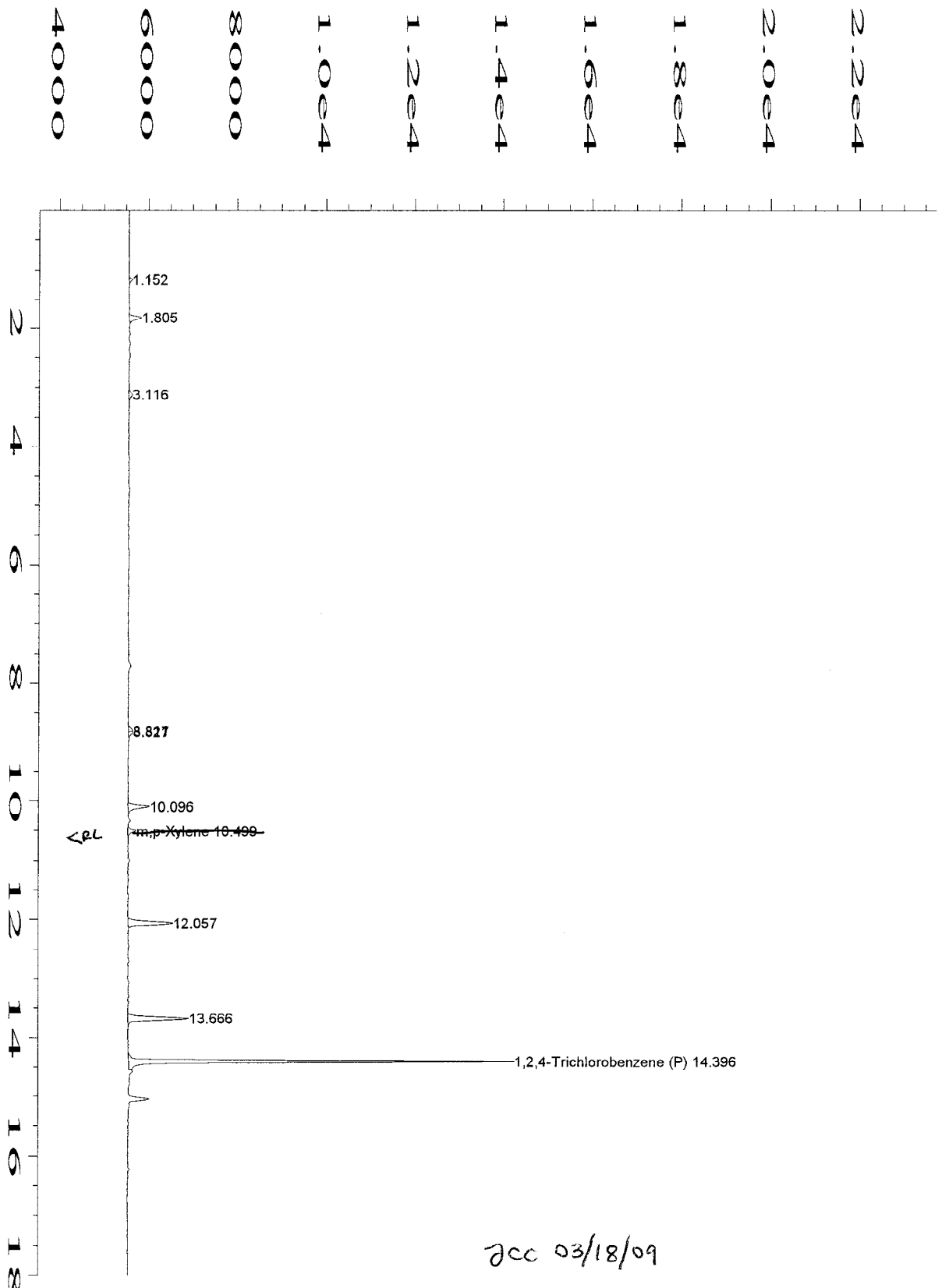
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



JCC 03/18/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\011R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-05A
Run Time Bar Code:
Acquired on : 18 Mar 09 02:27 PM
Report Created on: 18 Mar 09 02:45 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: MW22
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-06A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009
Date Analyzed: 3/18/2009

Lab File ID: TVB40318\015R
Method Blank: MB4031809

Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	80	**QC Limits:**	60-140	%REC

JCC
Analyst

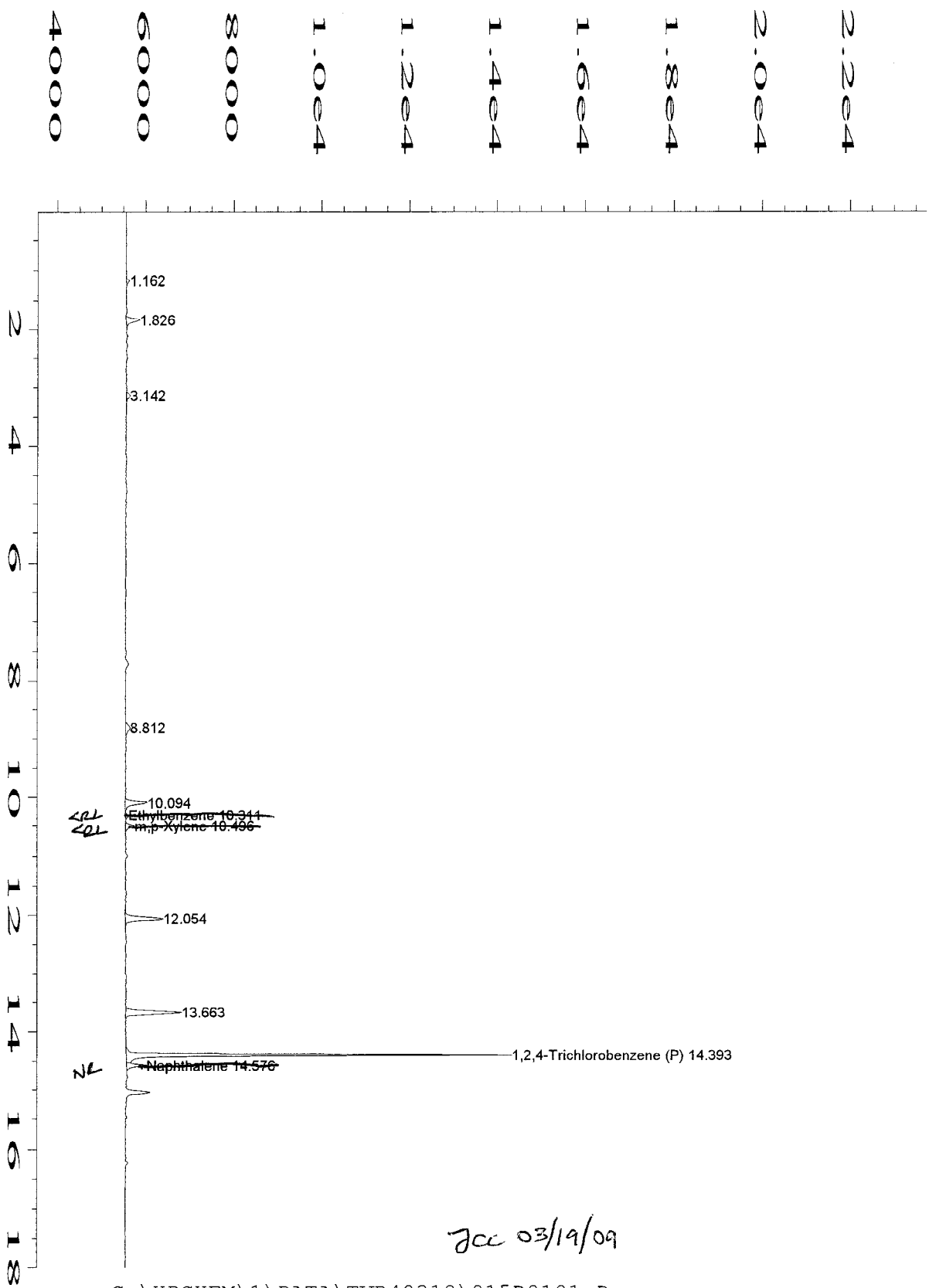
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



Data File Name : C:\HPCHEM\1\DATA\TVB40318\015R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-06A
Run Time Bar Code:
Acquired on : 18 Mar 09 04:46 PM
Report Created on: 18 Mar 09 05:04 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

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Client Sample ID: MW8
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-07A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009
Date Analyzed: 3/18/2009
Lab File ID: TVB40318\016R
Method Blank: MB4031809
Dilution Factor: 1

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

JCC
Analyst

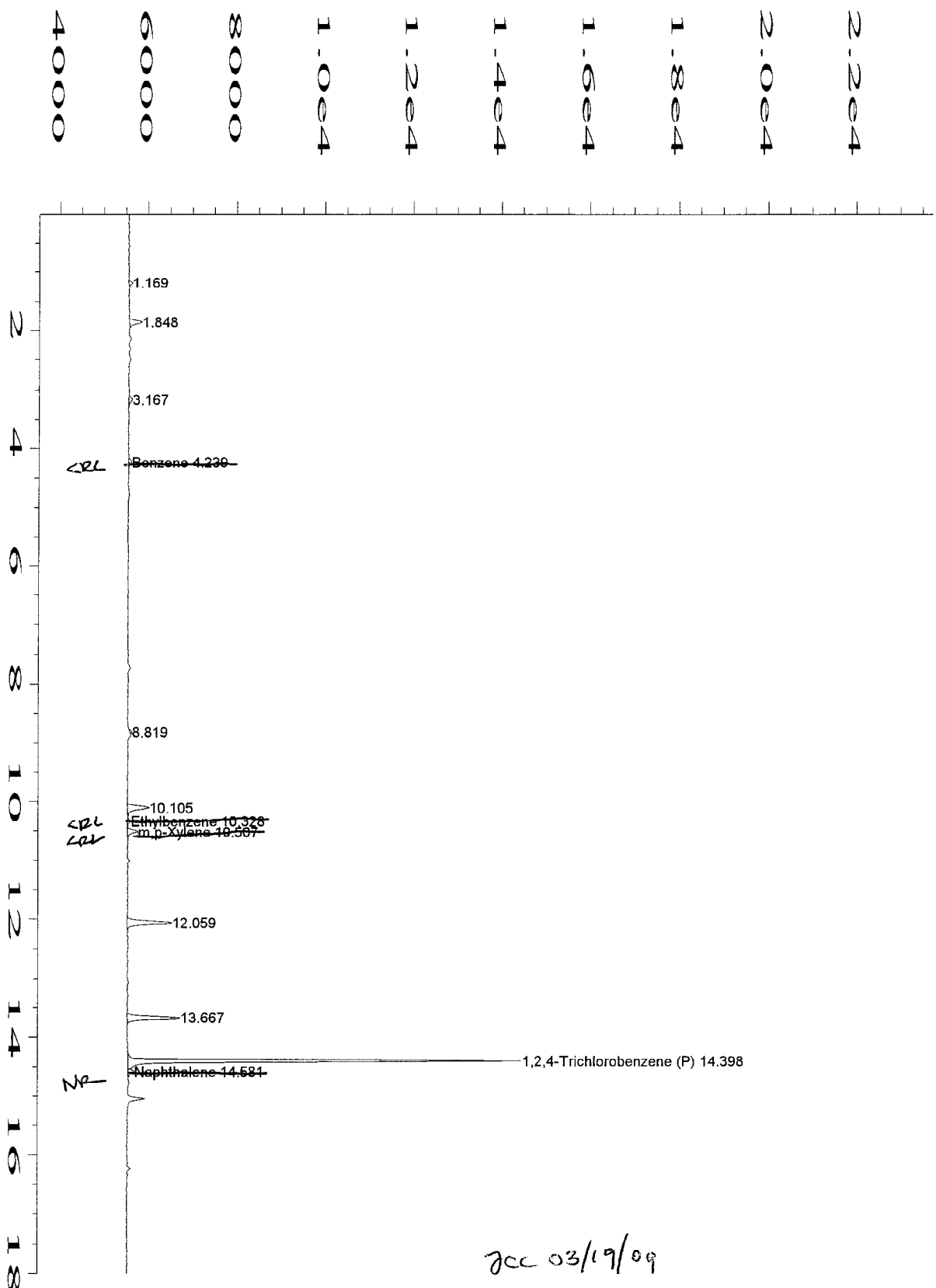
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



JCC 03/19/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\016R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-07A
Run Time Bar Code:
Acquired on : 18 Mar 09 05:20 PM
Report Created on: 18 Mar 09 05:39 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

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Client Sample ID:	MW7	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-08A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\017R **Dilution Factor:** 1

Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

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

JCC
Analyst

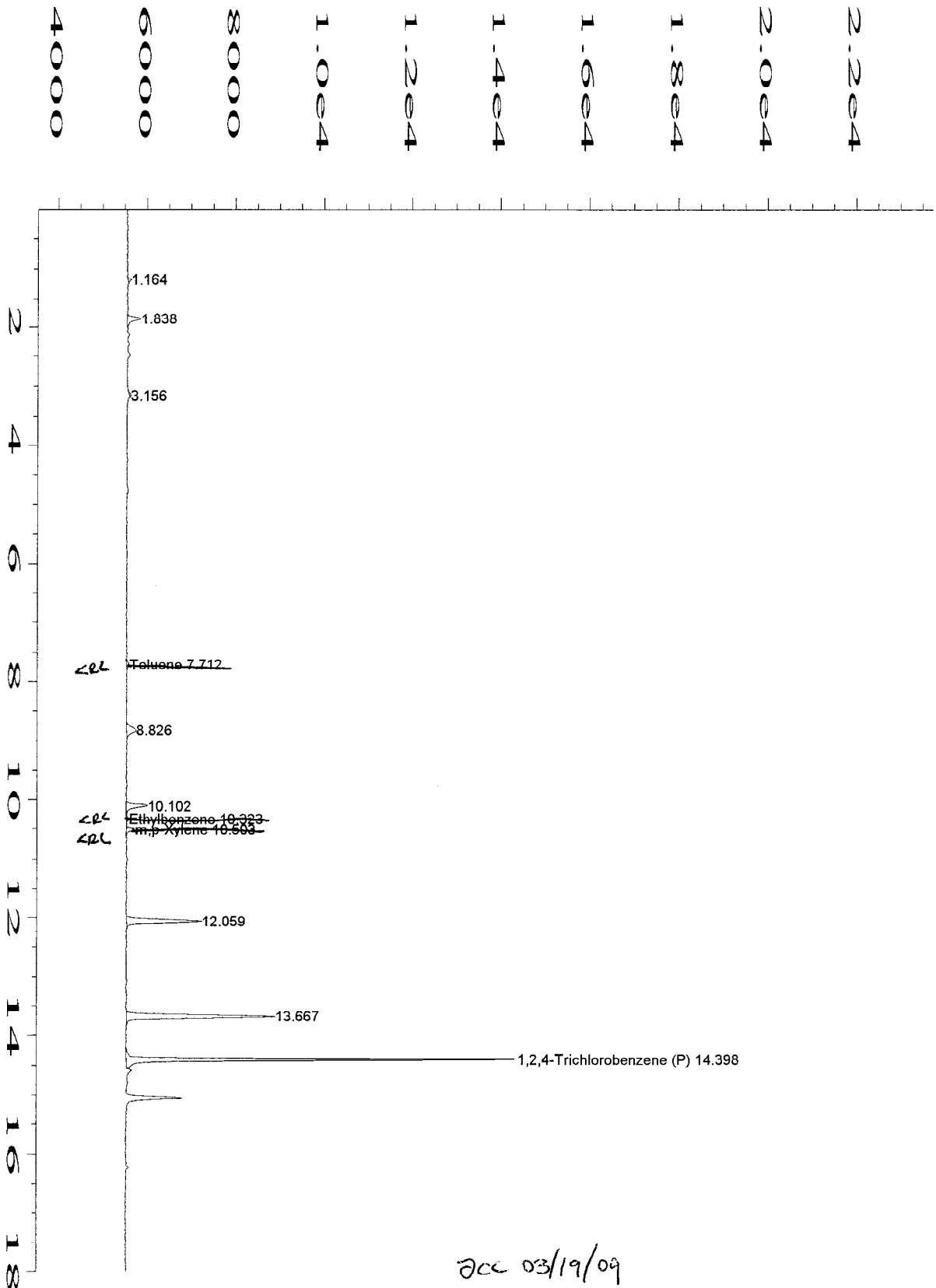
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



acc 03/19/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\017R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-08A
Run Time Bar Code:
Acquired on : 18 Mar 09 05:55 PM
Report Created on: 18 Mar 09 06:14 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

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Client Sample ID:	MW6	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-09A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared:	3/18/2009	**Lab File ID:**	TVB40318\018R
Date Analyzed:	3/18/2009	**Method Blank:**	MB4031809

Dilution Factor: 1

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

JCC
Analyst

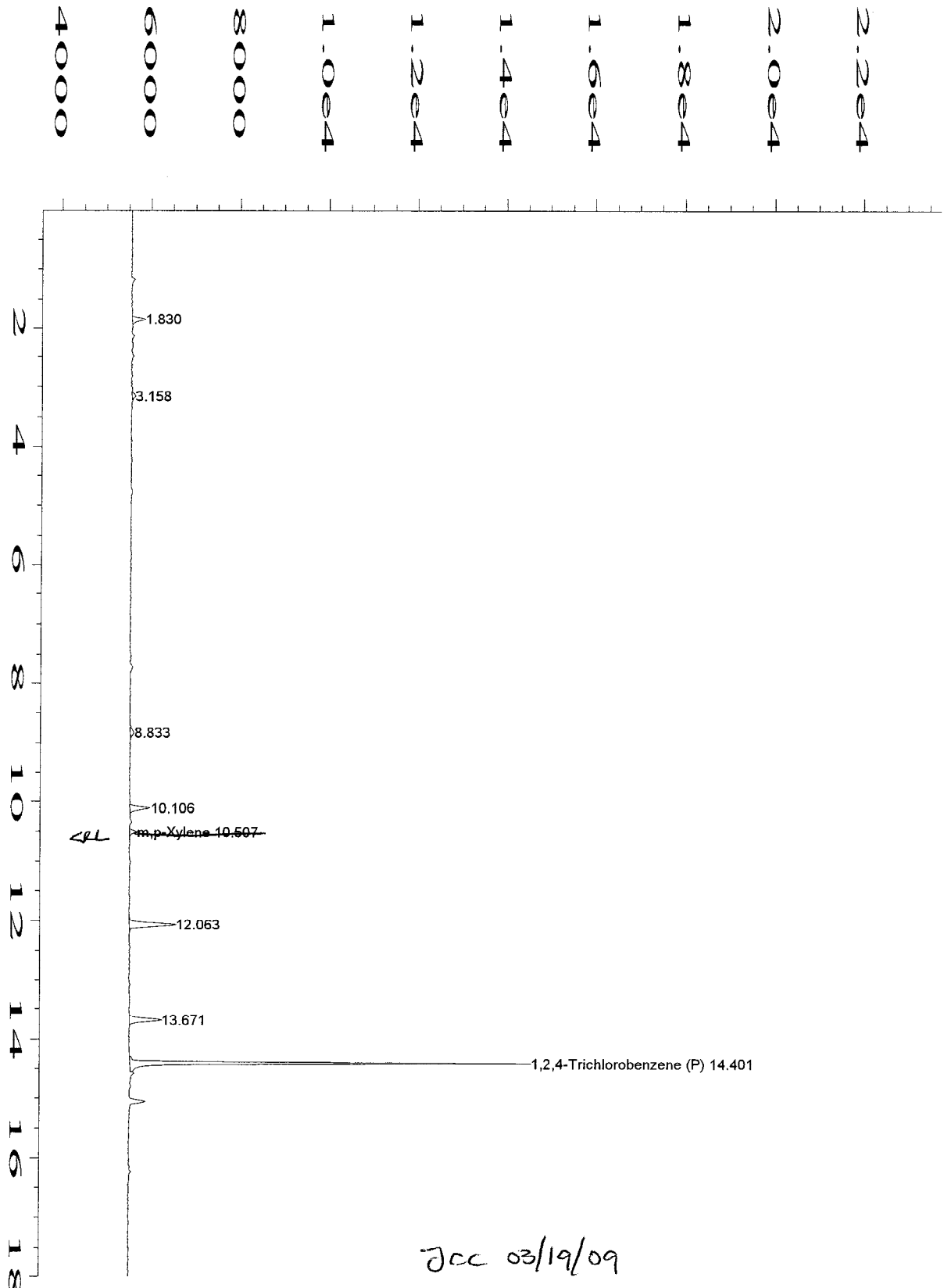
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



JCC 03/19/09

Data File Name	: C:\HPCHEM\1\DATA\TVB40318\018R0101.D		
Operator	: Jennifer Chapin	Page Number	: 1
Instrument	: TVHBTEX4	Vial Number	: 18
Sample Name	: 09-1760-09A	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 18 Mar 09 06:30 PM	Instrument Method	: TS40116E.MTH
Report Created on	: 18 Mar 09 06:49 PM	Analysis Method	: BS40206.MTH
Last Recalib on	: 09 FEB 09 06:53 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:
Sample Info	: SAMP DF=1		

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Client Sample ID: MW17
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-10A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\019R **Dilution Factor:** 1
Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	13		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	81	QC Limits:	60-140	%REC

JCC
Analyst

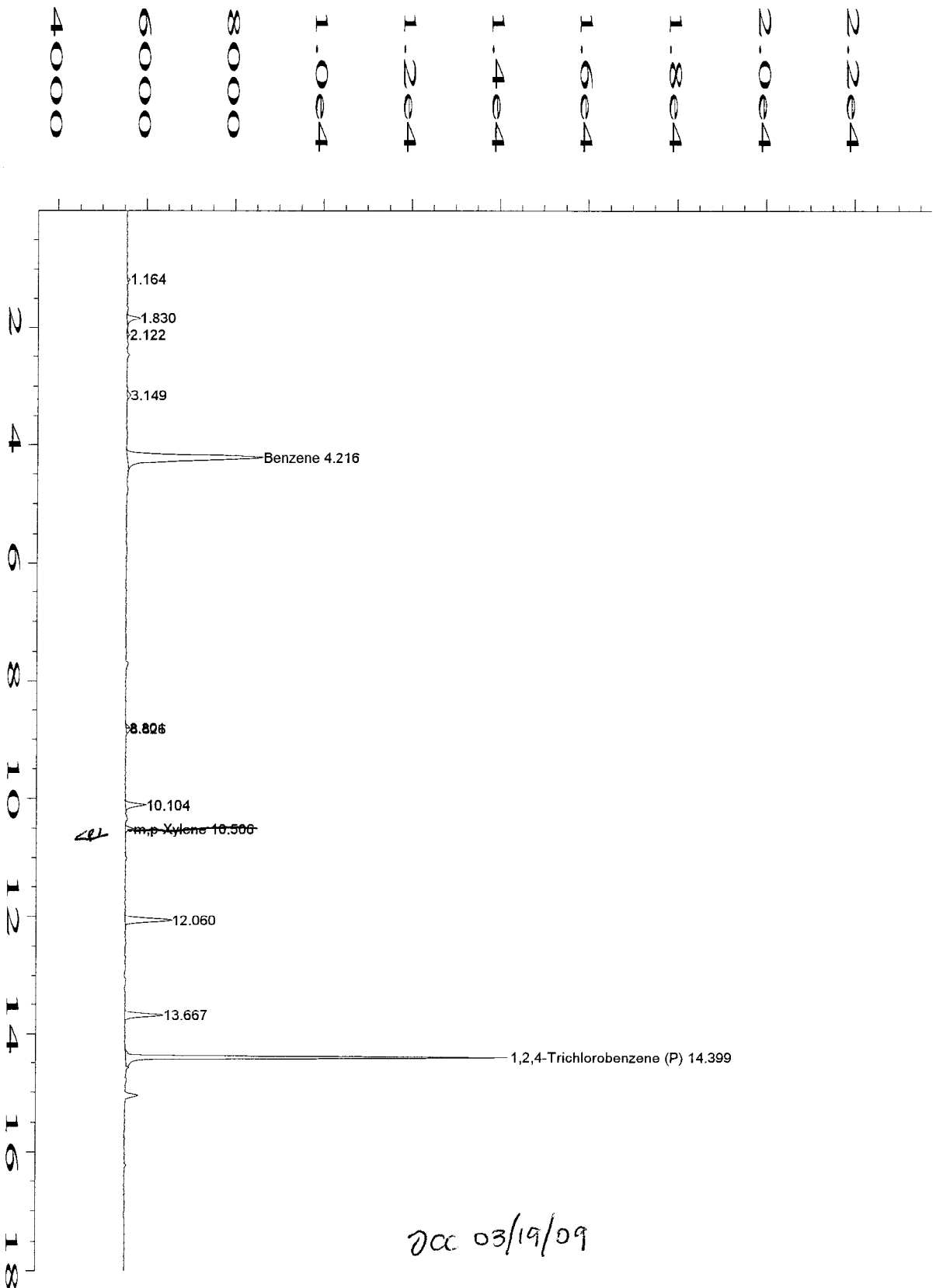
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



DCC 03/19/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\019R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-10A
Run Time Bar Code:
Acquired on : 18 Mar 09 07:05 PM
Report Created on: 18 Mar 09 07:23 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

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Client Sample ID:	MW16	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-11A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared:	3/18/2009	**Lab File ID:**	TVB40318\020R
Date Analyzed:	3/18/2009	**Method Blank:**	MB4031809

Dilution Factor: 1

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

JCC
Analyst

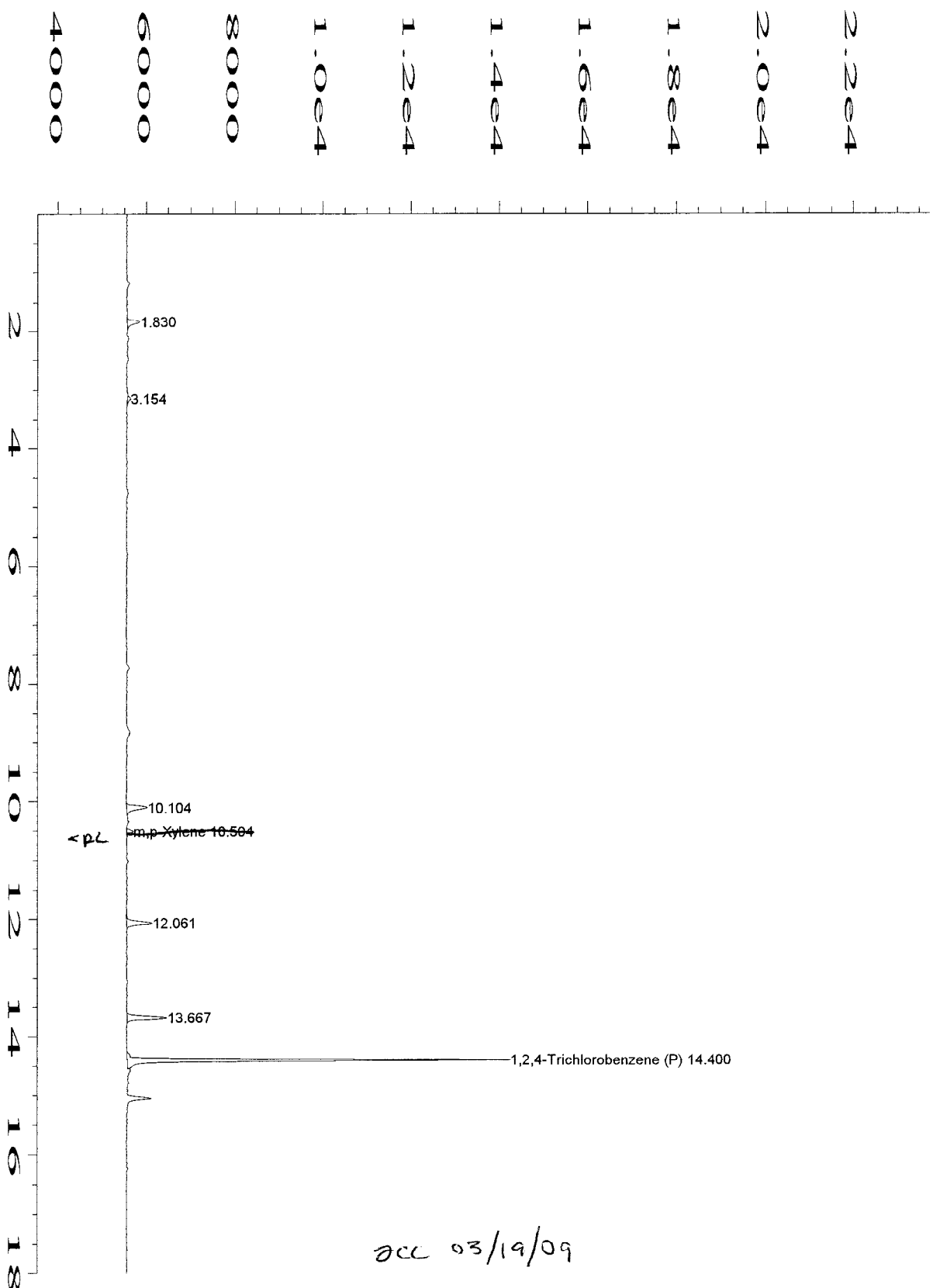
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



acc 03/19/09

Data File Name	: C:\HPCHEM\1\DATA\TVB40318\020R0101.D		
Operator	: Jennifer Chapin	Page Number	: 1
Instrument	: TVHBTEX4	Vial Number	: 20
Sample Name	: 09-1760-11A	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 18 Mar 09 07:39 PM	Instrument Method	: TS40116E.MTH
Report Created on	: 18 Mar 09 07:58 PM	Analysis Method	: BS40206.MTH
Last Recalib on	: 09 FEB 09 06:53 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:
Sample Info	: SAMP DF=1		

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Client Sample ID: MW27
Client Project ID: 008-2067
Date Collected: 3/16/2009
Date Received: 3/17/2009

Lab Work Order 09-1760
Lab Sample ID: 09-1760-12A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009
Date Analyzed: 3/18/2009
Lab File ID: TVB40318\021R
Method Blank: MB4031809
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	75	**QC Limits:**	60-140	%REC

JCC
Analyst

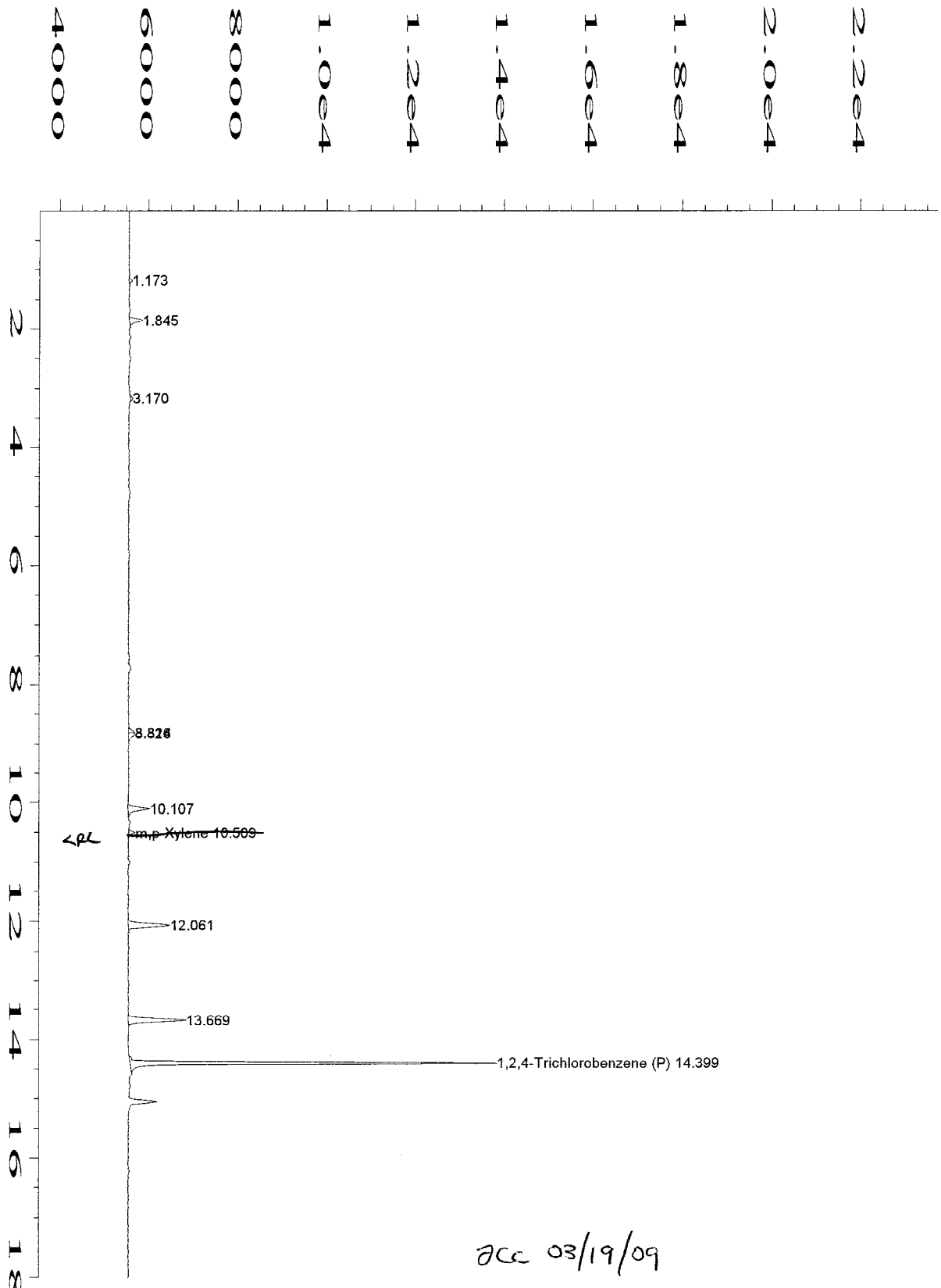
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



acc 03/19/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\021R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-12A
Run Time Bar Code:
Acquired on : 18 Mar 09 08:14 PM
Report Created on: 18 Mar 09 08:33 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

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Client Sample ID:	MW4	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-13A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\022R **Dilution Factor:** 1

Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	81		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	15		2.0	µg/L
o-Xylene	95-47-6	2.3		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	**QC Limits:**	60-140	%REC

JCC
Analyst

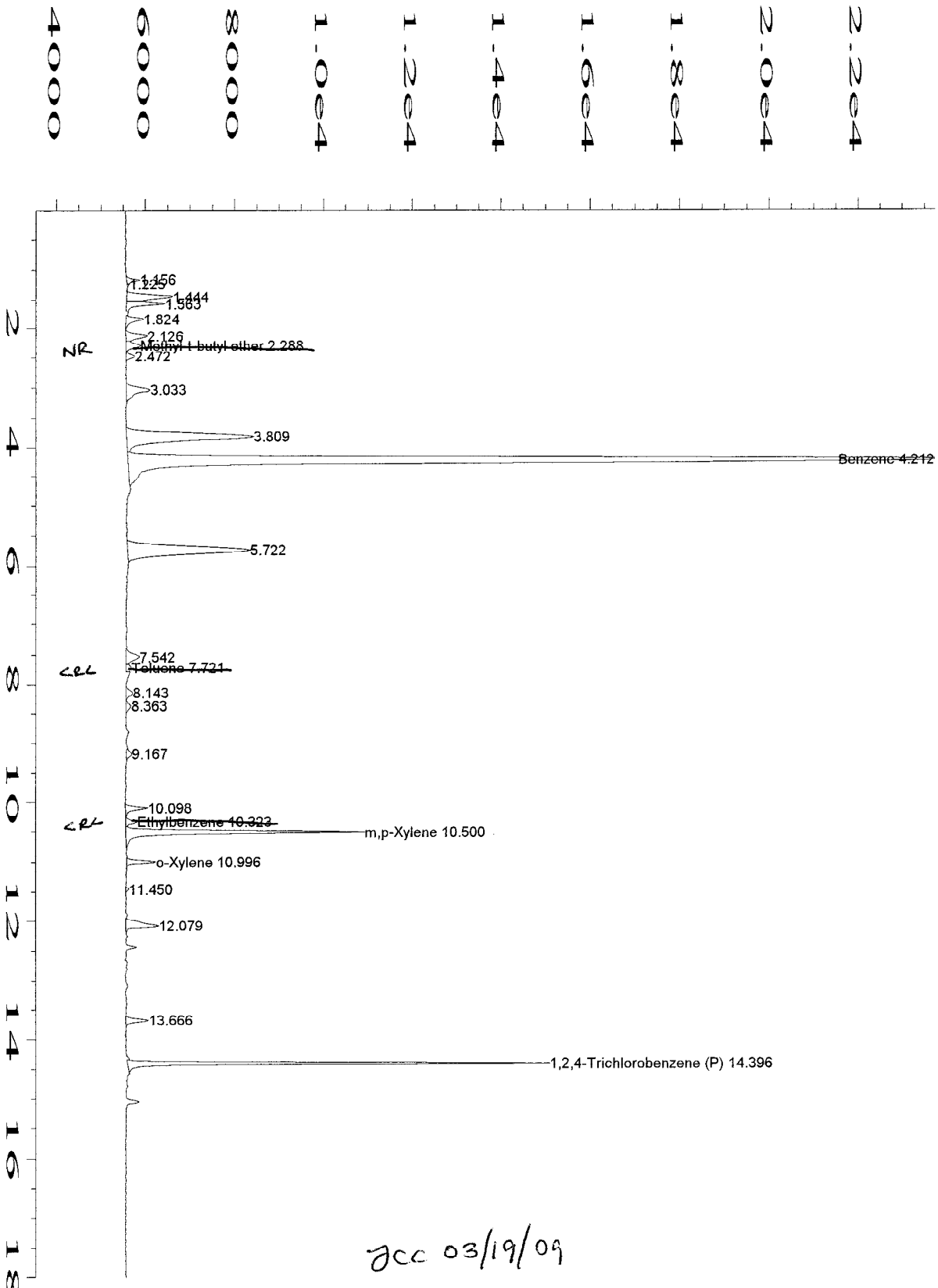
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



jcc 03/19/09

Data File Name : C:\HPCHEM\1\DATA\TVB40318\022R0101.D
Operator : Jennifer Chapin
Instrument : TVHBTEX4
Sample Name : 09-1760-13A
Run Time Bar Code:
Acquired on : 18 Mar 09 08:49 PM
Report Created on: 18 Mar 09 09:07 PM
Last Recalib on : 09 FEB 09 06:53 AM
Multiplier : 1
Sample Info : SAMP
DF=1

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 1
Instrument Method: TS40116E.MTH
Analysis Method : BS40206.MTH
Sample Amount : 0
ISTD Amount :

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Client Sample ID:	MW0	**Lab Work Order**	09-1760
Client Project ID:	008-2067	**Lab Sample ID:**	09-1760-14A
Date Collected:	3/16/2009	**Sample Matrix:**	Water
Date Received:	3/17/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/18/2009 **Lab File ID:** TVB40318\023R **Dilution Factor:** 1
Date Analyzed: 3/18/2009 **Method Blank:** MB4031809

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	83		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	16		2.0	µg/L
o-Xylene	95-47-6	2.5		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	**QC Limits:**	60-140	%REC

JCC
Analyst

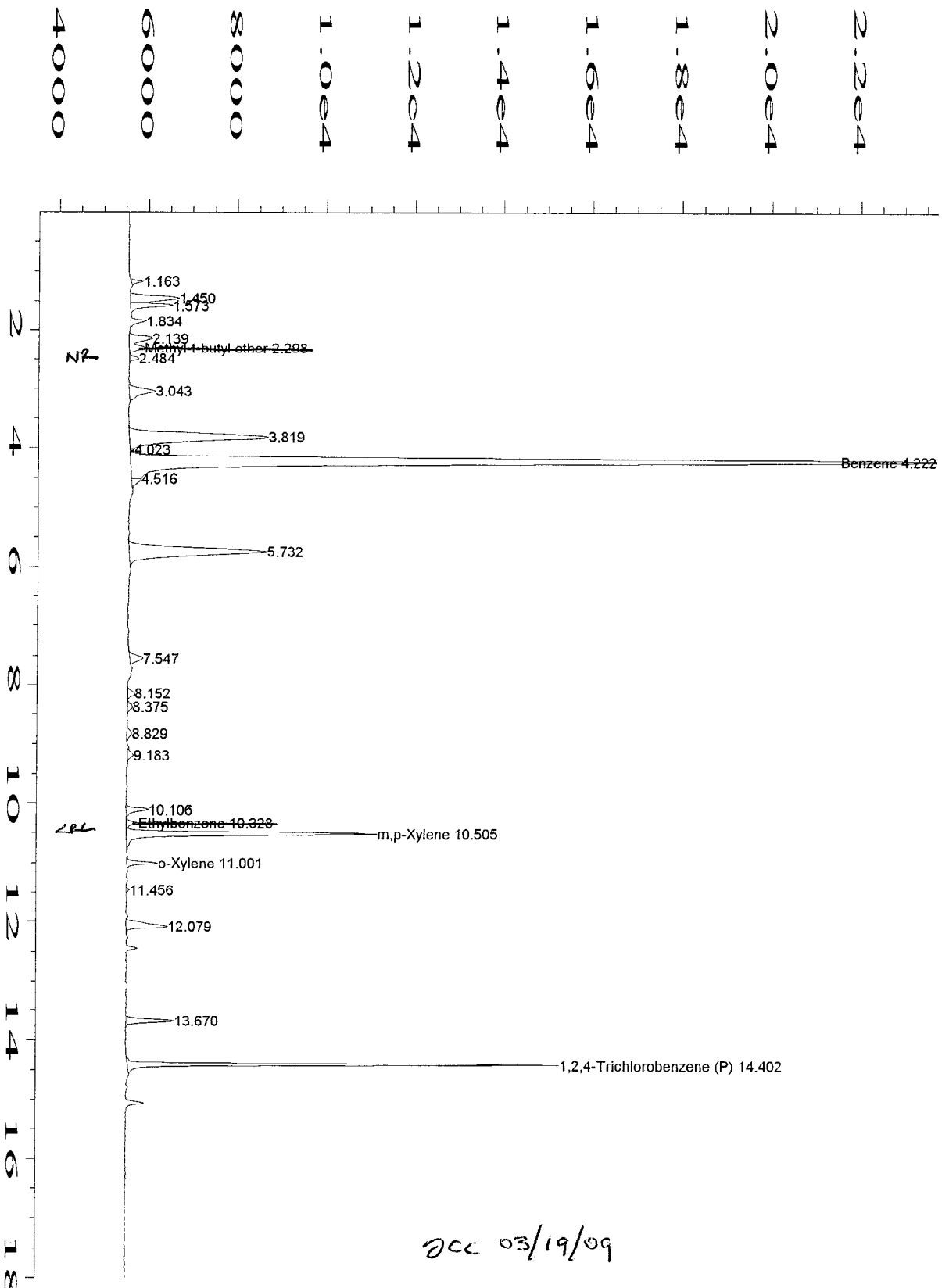
Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/19/2009



DCC 03/19/09

Data File Name	: C:\HPCHEM\1\DATA\TVB40318\023R0101.D		
Operator	: Jennifer Chapin	Page Number	: 1
Instrument	: TVHBTEX4	Vial Number	: 23
Sample Name	: 09-1760-14A	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 18 Mar 09 09:23 PM	Instrument Method	: TS40116E.MTH
Report Created on	: 18 Mar 09 09:42 PM	Analysis Method	: BS40206.MTH
Last Recalib on	: 09 FEB 09 06:53 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:
Sample Info	: SAMP		
	DF=1		

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Client Project ID 008-2067 **Lab Order:** 09-1760
Units: mg/L

RSKSOP-175M Headspace
Methane

Method: RSKSOP175M **Prep Method: RSKSOP175M**

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results		LQL	DF
09-1760-01B	EICH2	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-02B	MW23	Water	3/17/09	3/16/09	3/18/09	3/18/09	0.37		0.00080	1
09-1760-03B	MW20	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-04B	MW21	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-05B	MW18	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-06B	MW22	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-07B	MW8	Water	3/17/09	3/16/09	3/18/09	3/18/09	0.22		0.00080	1
09-1760-08B	MW7	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-09B	MW6	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-10B	MW17	Water	3/17/09	3/16/09	3/18/09	3/18/09	2.2		0.0080	10
09-1760-11B	MW16	Water	3/17/09	3/16/09	3/18/09	3/18/09	1.4		0.0080	10
09-1760-12B	MW27	Water	3/17/09	3/16/09	3/18/09	3/18/09		U	0.00080	1
09-1760-13B	MW4	Water	3/17/09	3/16/09	3/18/09	3/18/09	9.2		0.016	20
09-1760-14B	MW0	Water	3/17/09	3/16/09	3/18/09	3/18/09	9.1		0.016	20

Comments:

VM
Analyst

Approved

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

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

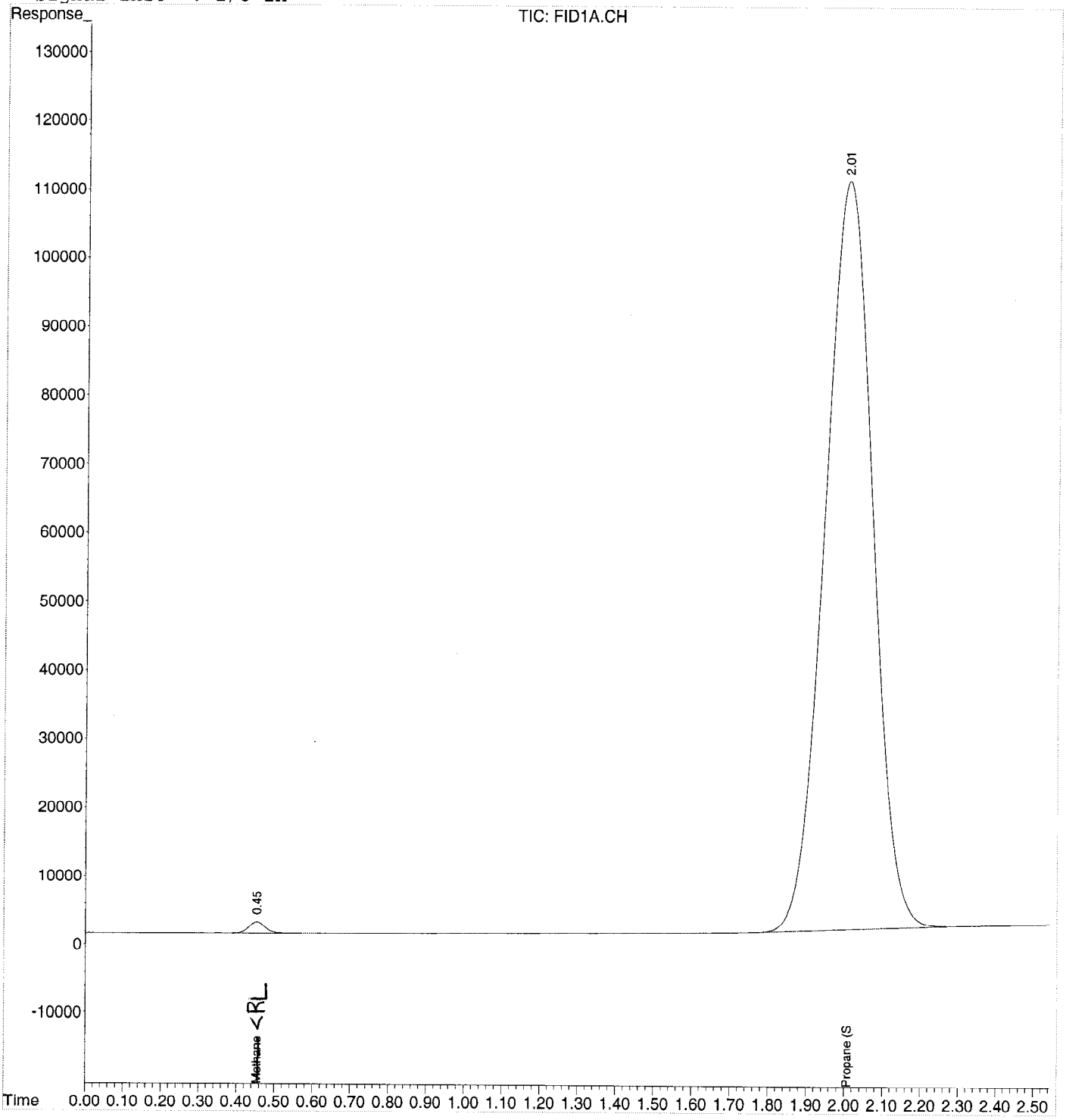
Print Date: 3/18/2009

Quantitation Report (QT Reviewed)

Data File : F:\DATA\031809\FB024.D
Acq On : 18 Mar 2009 1:02 pm
Sample : 09-1760-01B
Misc : 500uL DF=1
IntFile : autoint1.e
Vial: 24
Operator: Virginia Meyer
Inst : FID4
Multiplr: 1.00
Quant Time: Mar 18 14:38 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



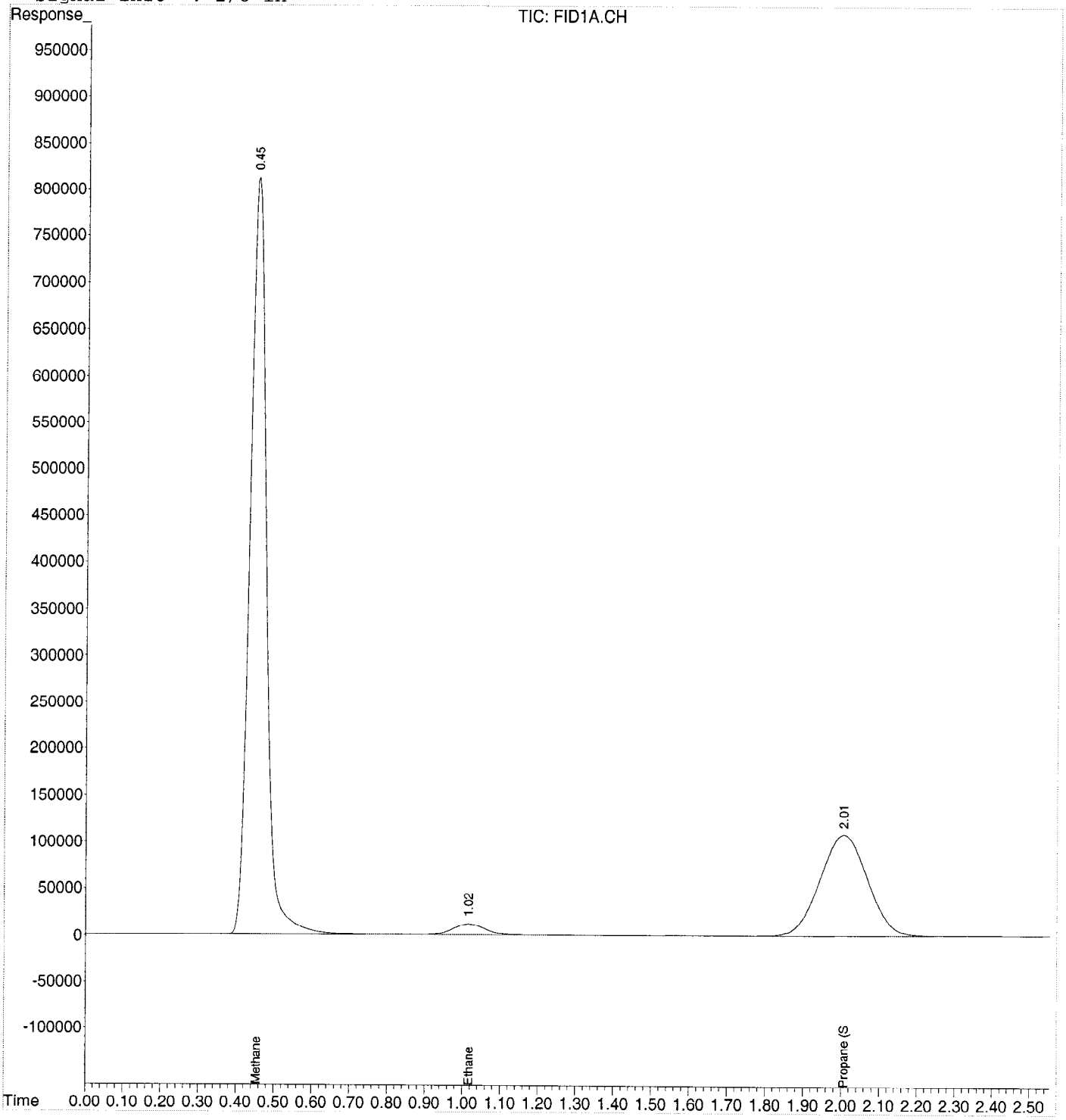
BL VM 3.18.09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB025.D Vial: 25
Acq On : 18 Mar 2009 1:07 pm Operator: Virginia Meyer
Sample : 09-1760-02B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 14:33 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

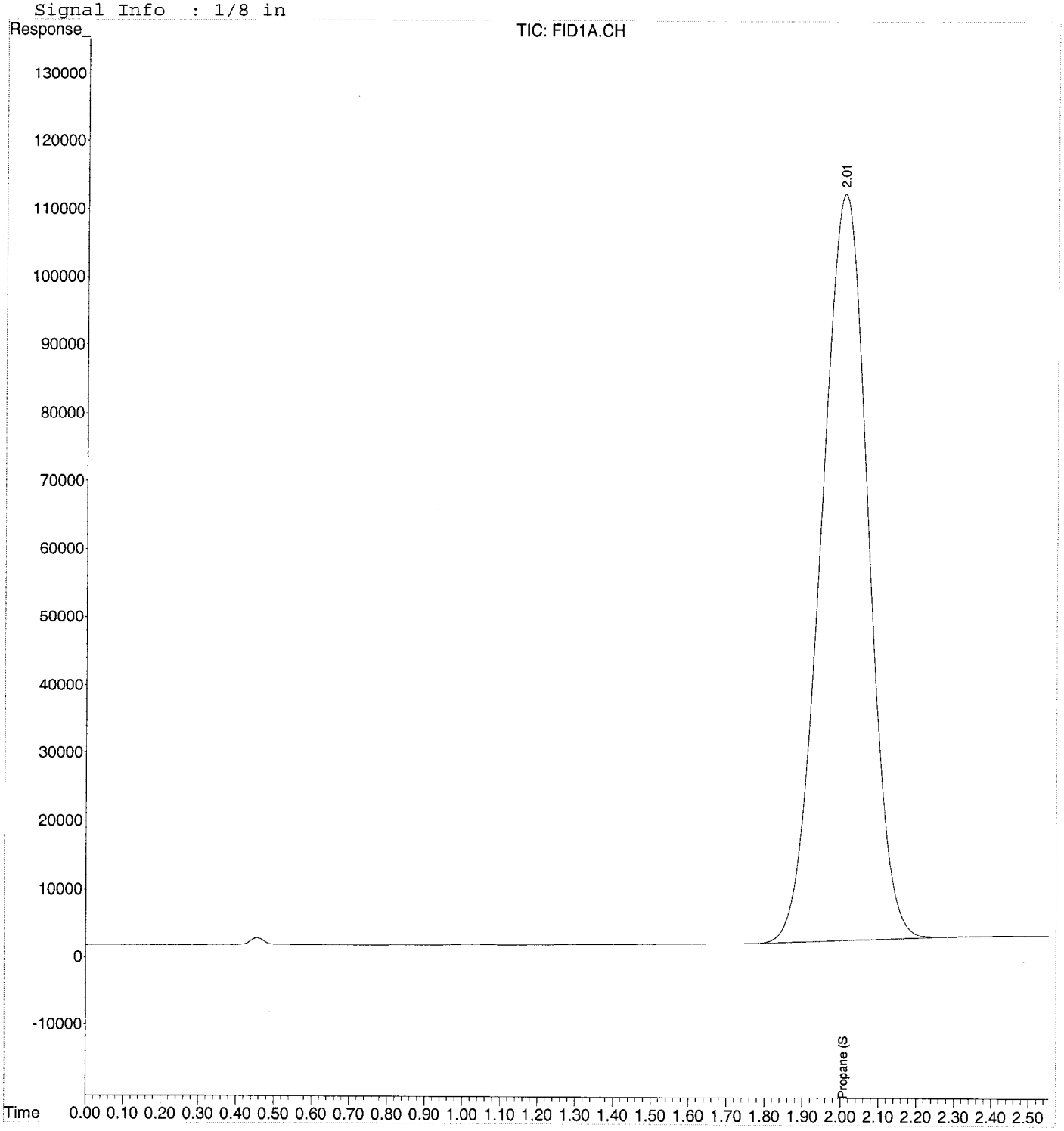


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB026.D Vial: 26
Acq On : 18 Mar 2009 1:11 pm Operator: Virginia Meyer
Sample : 09-1760-03B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 14:33 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

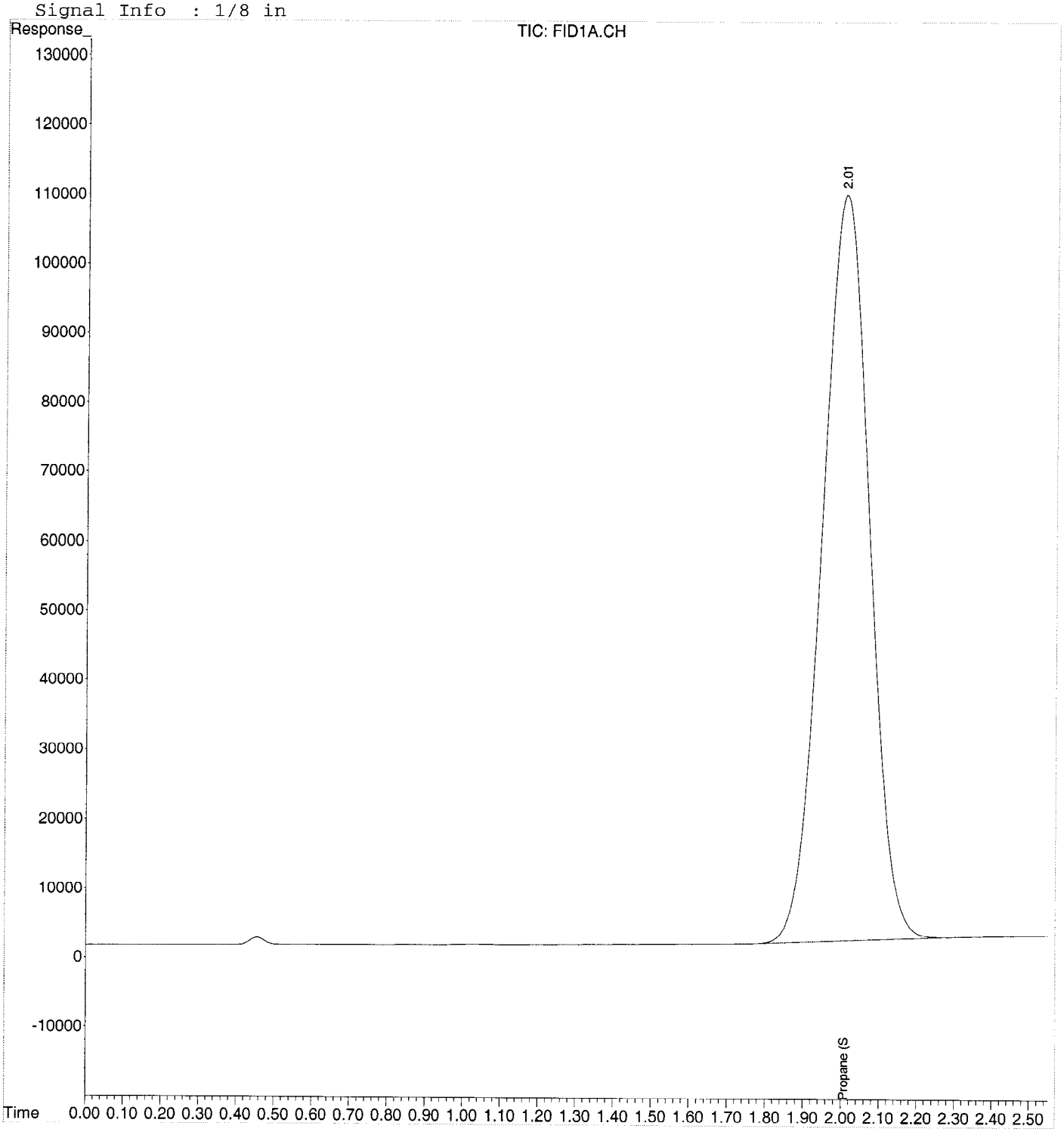


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB027.D Vial: 27
Acq On : 18 Mar 2009 1:16 pm Operator: Virginia Meyer
Sample : 09-1760-04B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 14:33 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

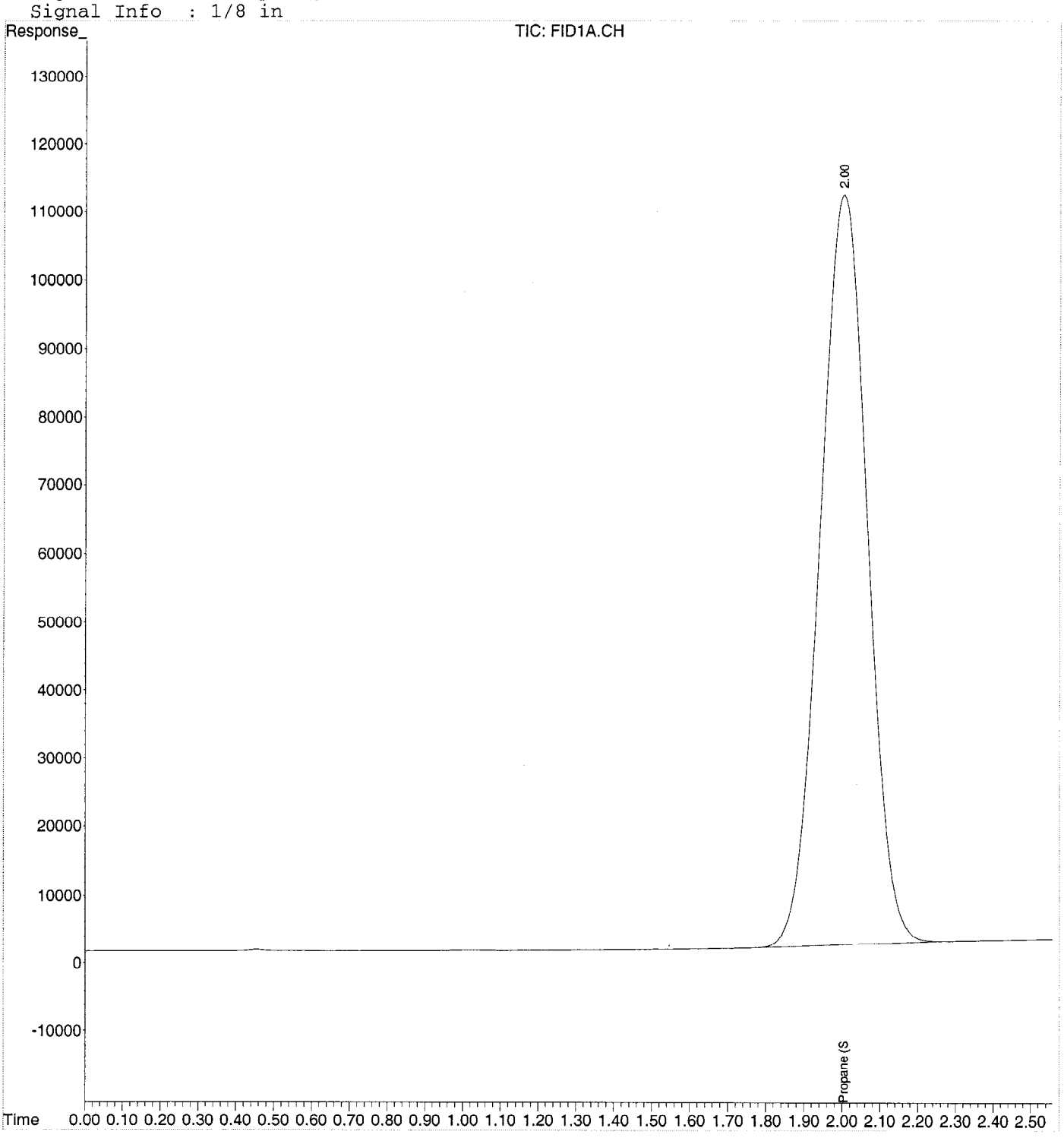


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB028.D Vial: 28
Acq On : 18 Mar 2009 1:21 pm Operator: Virginia Meyer
Sample : 09-1760-05B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 14:33 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

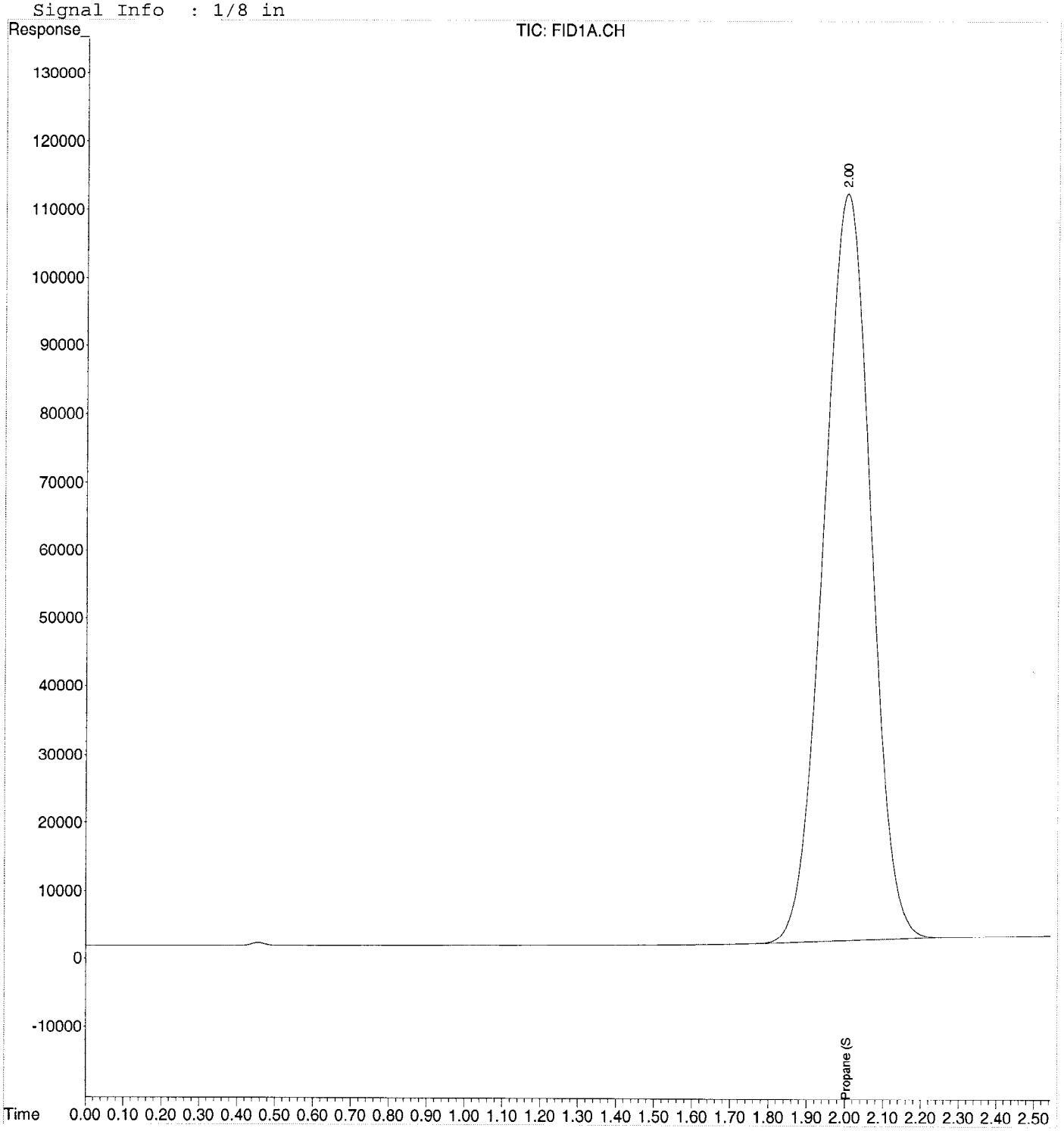


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB029.D Vial: 29
Acq On : 18 Mar 2009 1:27 pm Operator: Virginia Meyer
Sample : 09-1760-06B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 14:33 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

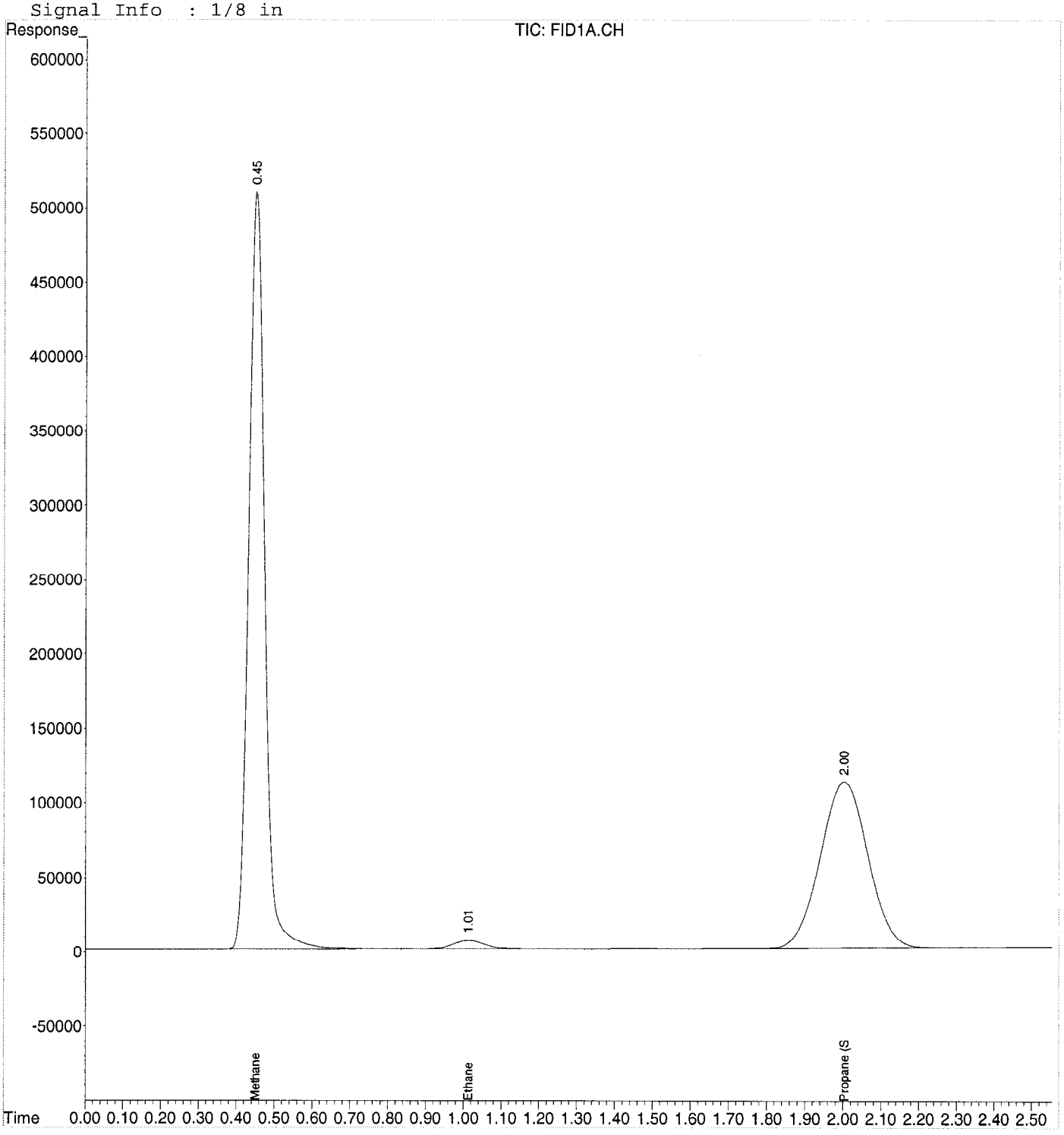


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB030.D Vial: 30
Acq On : 18 Mar 2009 1:31 pm Operator: Virginia Meyer
Sample : 09-1760-07B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 14:34 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

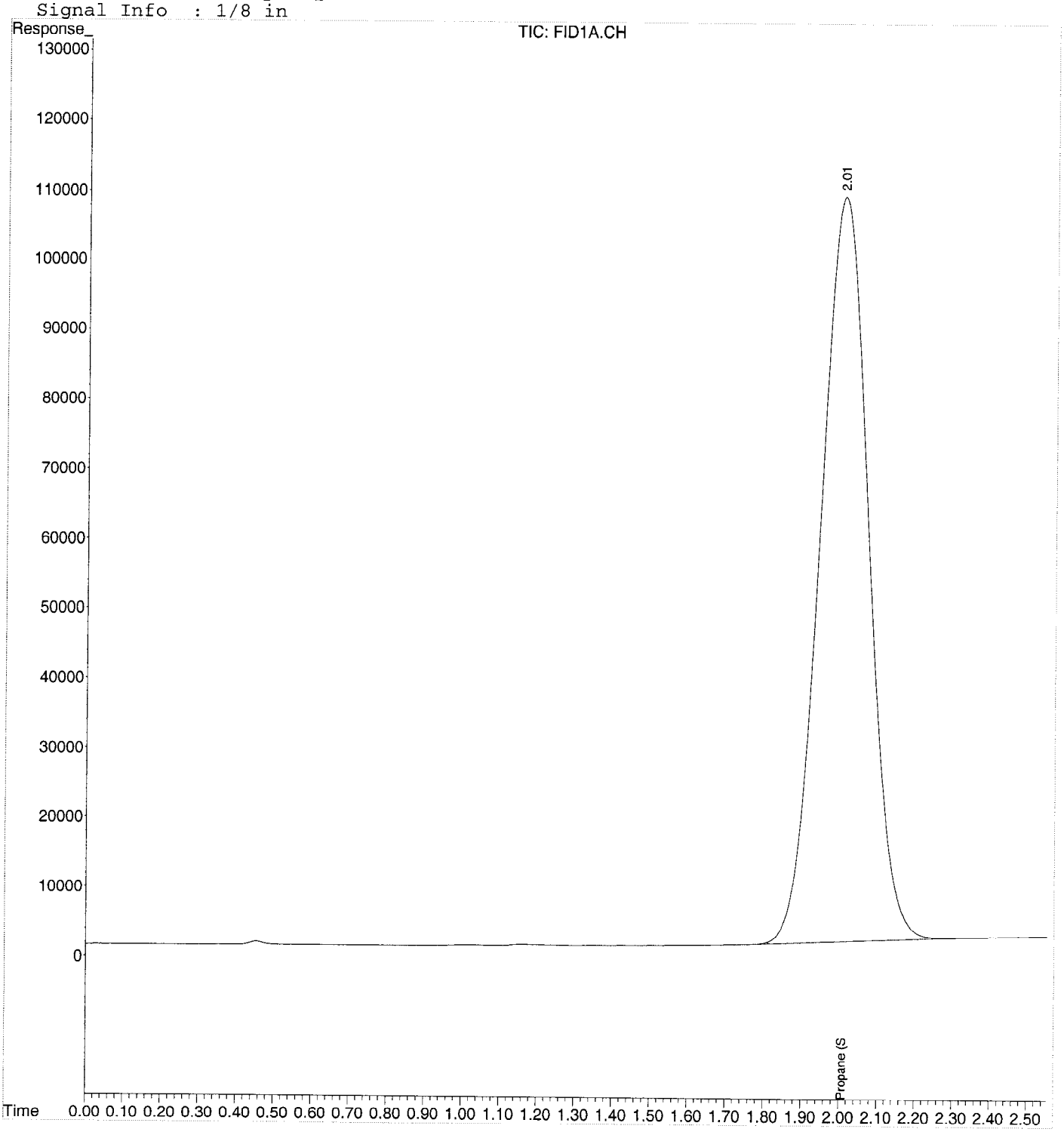


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB031.D
Acq On : 18 Mar 2009 1:35 pm
Sample : 09-1760-08B
Misc : 500uL DF=1
IntFile : autoint1.e
Vial: 31
Operator: Virginia Meyer
Inst : FID4
Multiplr: 1.00
Quant Time: Mar 18 14:39 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

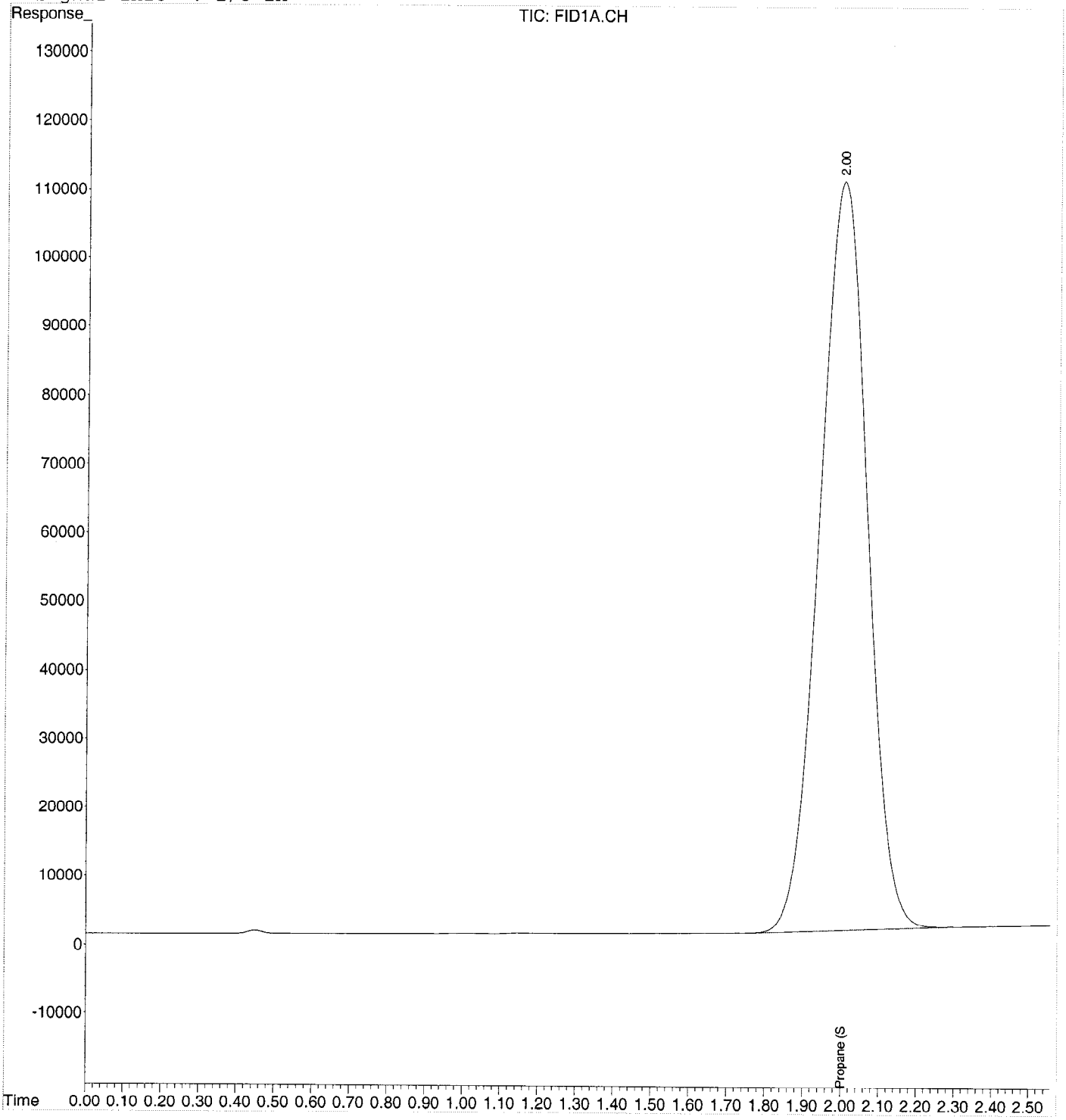


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB035.D
Acq On : 18 Mar 2009 2:04 pm
Sample : 09-1760-09B
Misc : 500uL DF=1
IntFile : autoint1.e
Vial: 35
Operator: Virginia Meyer
Inst : FID4
Multiplr: 1.00
Quant Time: Mar 18 15:11 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

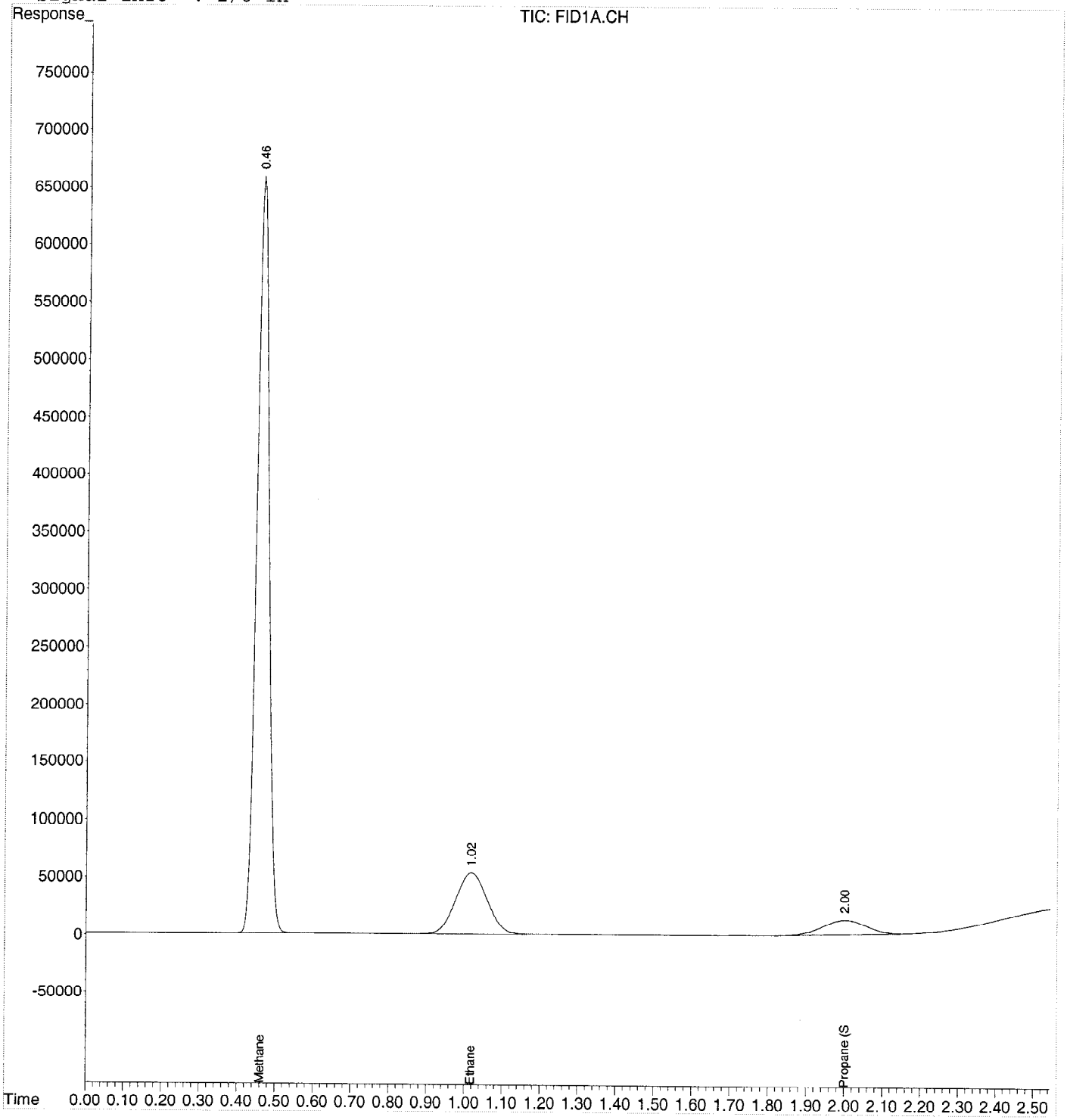


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB041.D
Acq On : 18 Mar 2009 2:44 pm
Sample : 09-1760-10B
Misc : 50uL DF=10
IntFile : autoint1.e
Vial: 41
Operator: Virginia Meyer
Inst : FID4
Multiplr: 1.00
Quant Time: Mar 18 15:49 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

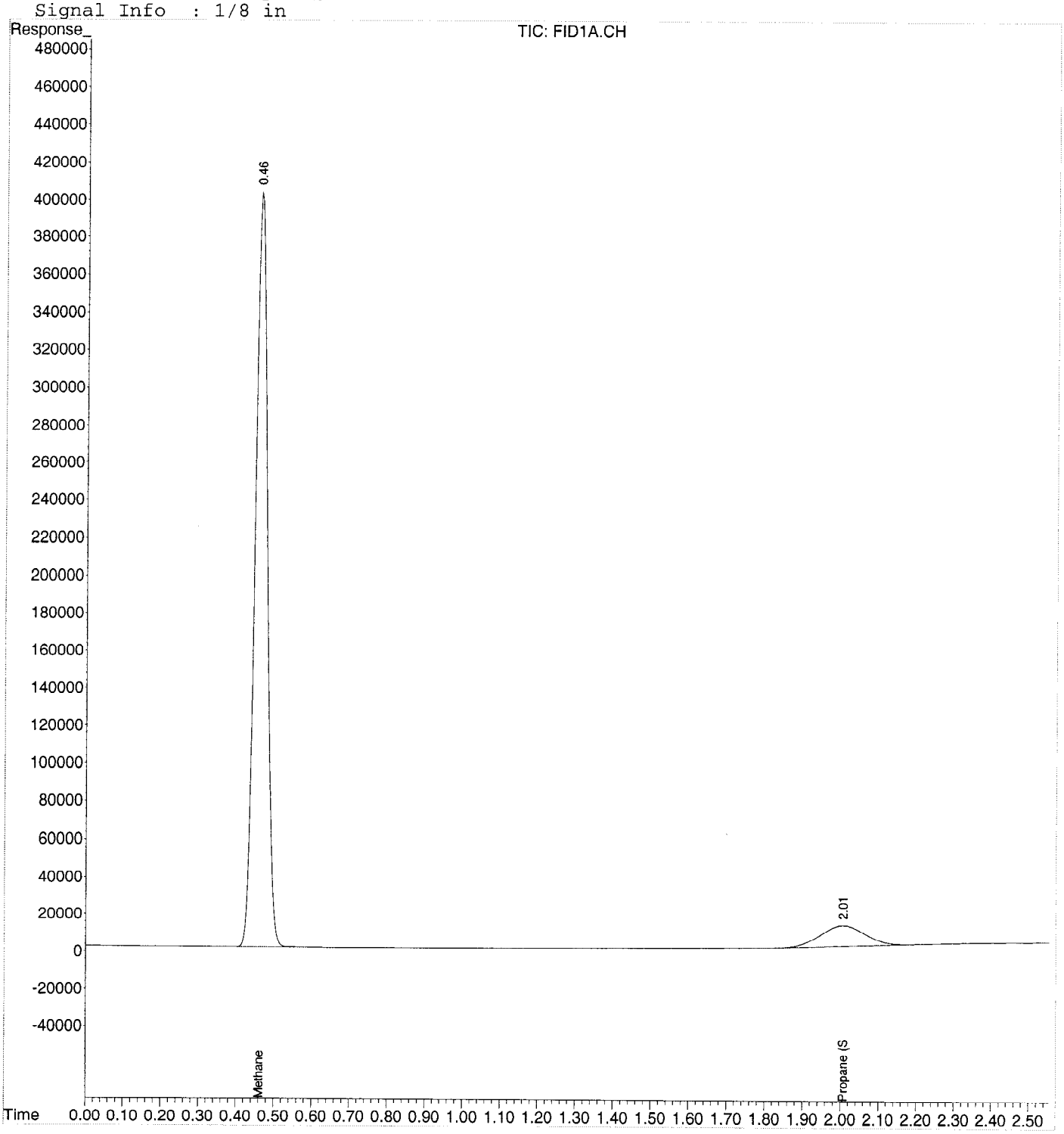


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB042.D
Acq On : 18 Mar 2009 2:48 pm
Sample : 09-1760-11B
Misc : 50uL DF=10
IntFile : autoint1.e
Vial: 42
Operator: Virginia Meyer
Inst : FID4
Multiplr: 1.00
Quant Time: Mar 18 15:54 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



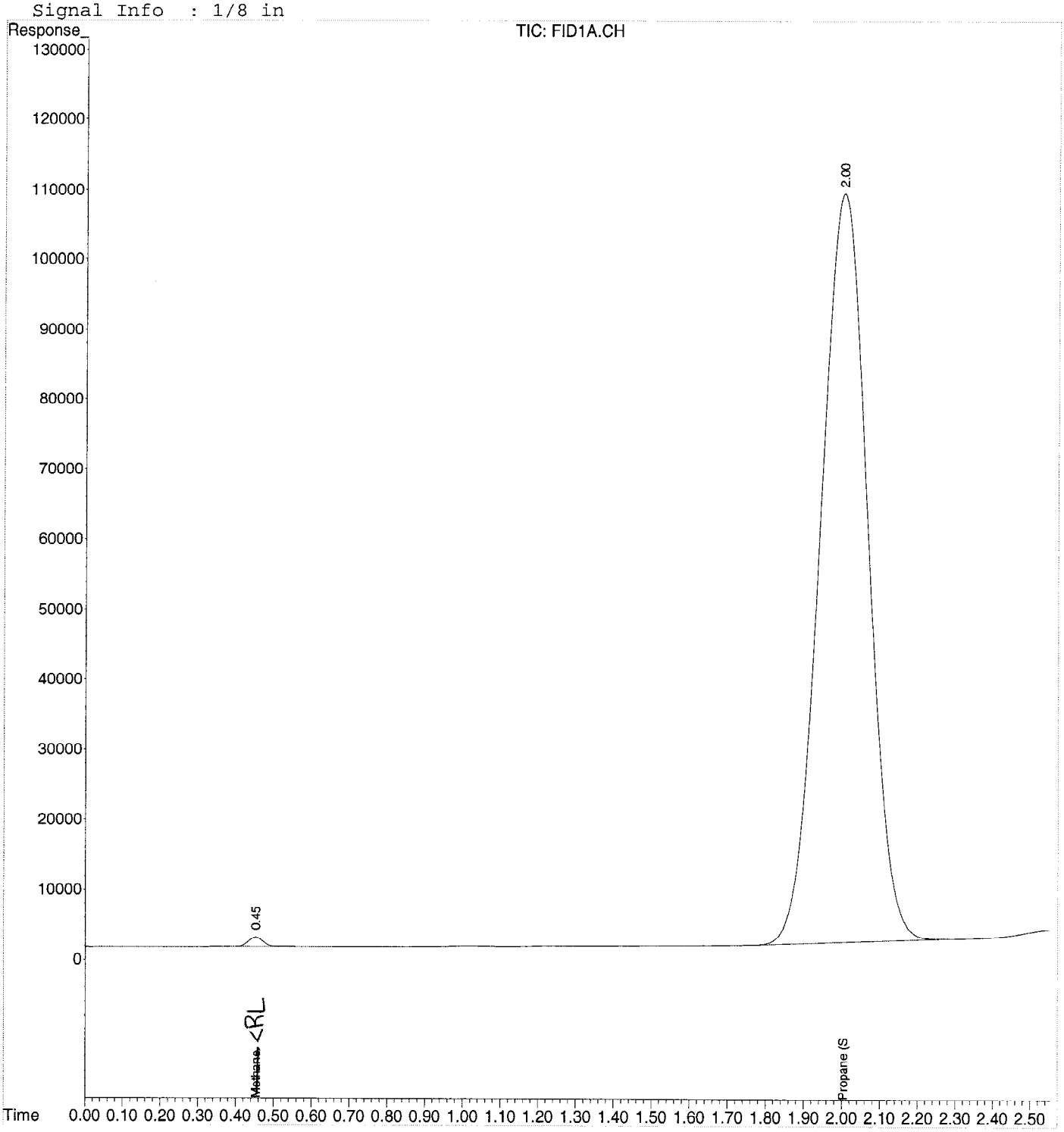
Quantitation Report (QT Reviewed)

061

Data File : F:\DATA\031809\FB038.D Vial: 38
Acq On : 18 Mar 2009 2:17 pm Operator: Virginia Meyer
Sample : 09-1760-12B Inst : FID4
Misc : 500uL DF=1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 15:55 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



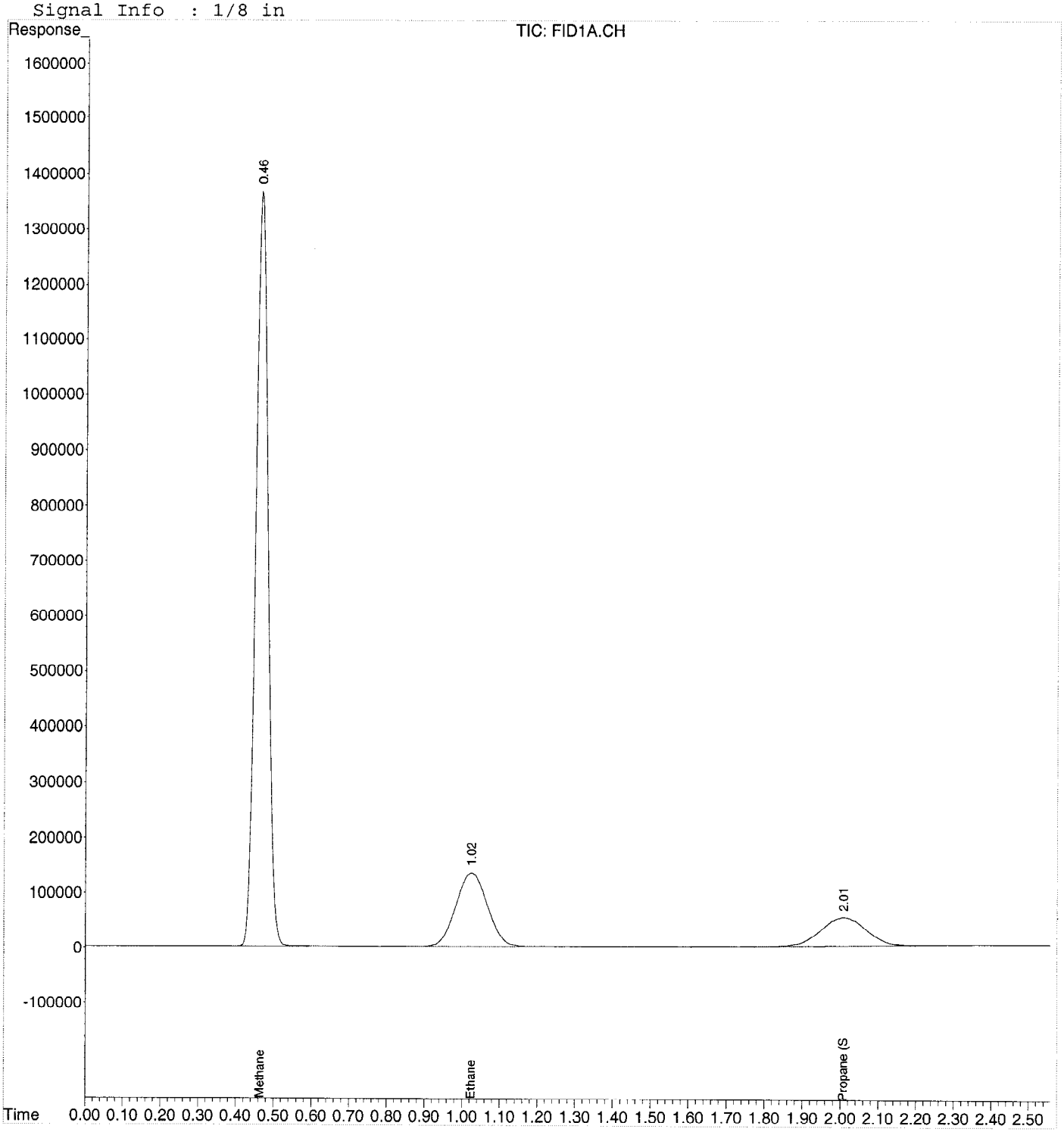
BL VM 3.18.09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB043.D Vial: 43
Acq On : 18 Mar 2009 2:53 pm Operator: Virginia Meyer
Sample : 09-1760-13B Inst : FID4
Misc : 25uL DF=20 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 15:58 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

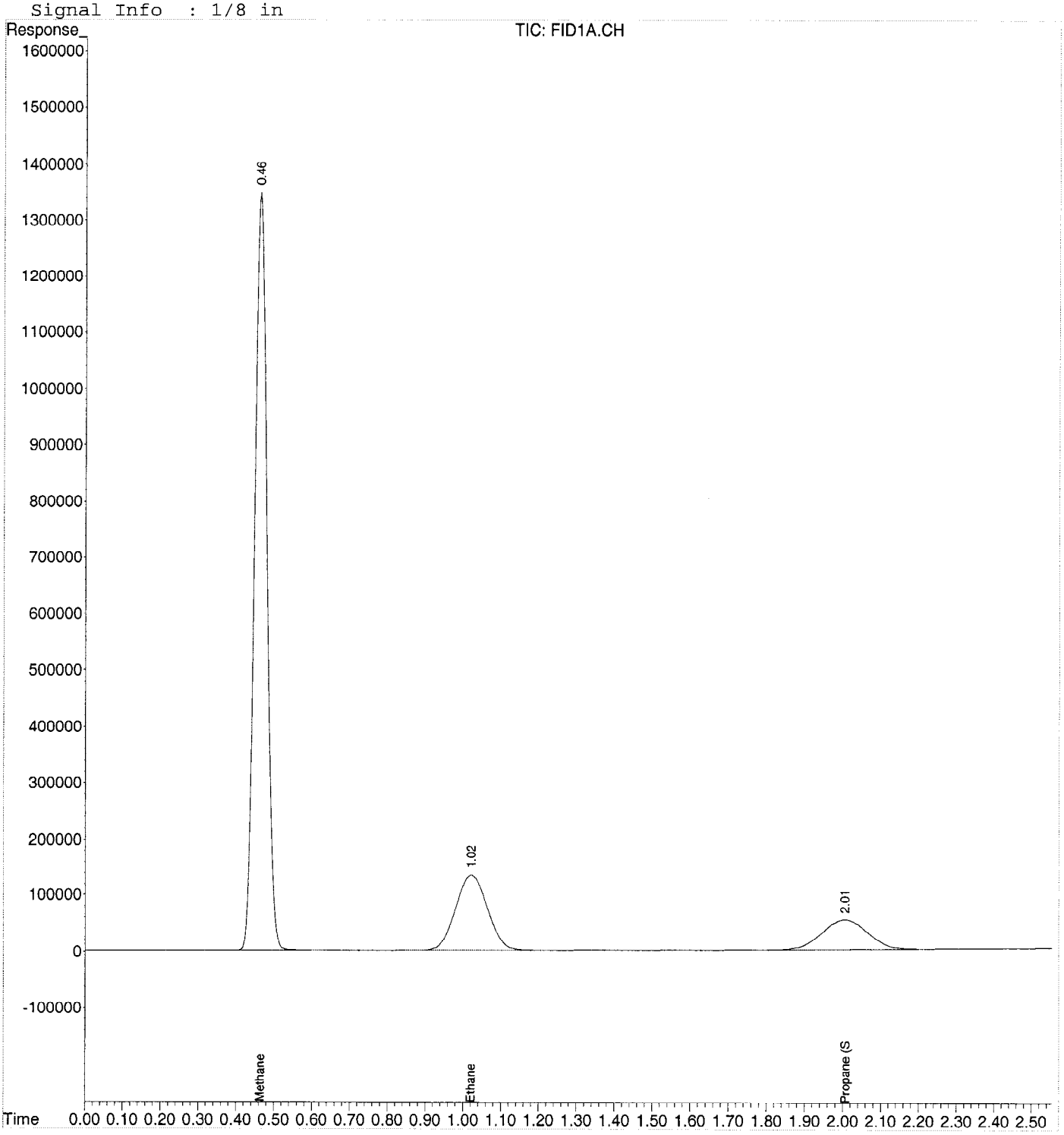


Quantitation Report (Not Reviewed)

Data File : F:\DATA\031809\FB044.D Vial: 44
Acq On : 18 Mar 2009 2:58 pm Operator: Virginia Meyer
Sample : 09-1760-14B Inst : FID4
Misc : 25uL DF=20 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 18 16:01 2009 Quant Results File: GAS0318.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0318.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Wed Mar 18 11:13:59 2009
Response via : Multiple Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



Evergreen Analytical, Inc.

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

Client Project ID 008-2067
Date Received: 3/17/09

Lab Order: 09-1760
Date Prepared: 3/20/09
Units: mg/L

Dissolved Metals
Sodium

Method: SW6010B **Prep Method: E200.7/SW3010A**

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
09-1760-01C	EICH2	Water	3/16/09	3/21/09	81	0.40	1
09-1760-02C	MW23	Water	3/16/09	3/21/09	430	0.40	1
09-1760-03C	MW20	Water	3/16/09	3/21/09	100	0.40	1
09-1760-04C	MW21	Water	3/16/09	3/21/09	240	0.40	1
09-1760-05C	MW18	Water	3/16/09	3/21/09	61	0.40	1
09-1760-06C	MW22	Water	3/16/09	3/21/09	110	0.40	1
09-1760-07C	MW8	Water	3/16/09	3/21/09	150	0.40	1
09-1760-08C	MW7	Water	3/16/09	3/21/09	130	0.40	1
09-1760-09C	MW6	Water	3/16/09	3/21/09	130	0.40	1
09-1760-10C	MW17	Water	3/16/09	3/21/09	250	0.40	1
09-1760-11C	MW16	Water	3/16/09	3/21/09	260	0.40	1
09-1760-12C	MW27	Water	3/16/09	3/21/09	300	0.40	1
09-1760-13C	MW4	Water	3/16/09	3/21/09	110	0.40	1
09-1760-14C	MW0	Water	3/16/09	3/21/09	110	0.40	1

MB
Analyst

Approved

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

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

Print Date: 3/26/2009

Evergreen Analytical, Inc.

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

Client Project ID 008-2067
Collection Date: 3/16/09 0955

Lab Order: 09-1760
Date Received: 3/17/09
Units: mg/L

Anions by IC
Chloride

Method: E300.0

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
09-1760-01D	EICH2	Water	3/17/09	3/17/09 1435	15.8	0.50	1
09-1760-02D	MW23	Water	3/18/09	3/18/09 1014	49.6	2.5	5
09-1760-03D	MW20	Water	3/18/09	3/18/09 1024	21.8	0.50	1
09-1760-04D	MW21	Water	3/18/09	3/18/09 1035	23.8	0.50	1
09-1760-05D	MW18	Water	3/18/09	3/18/09 1045	4.4	0.50	1
09-1760-06D	MW22	Water	3/18/09	3/18/09 1056	19.4	0.50	1
09-1760-07D	MW8	Water	3/18/09	3/18/09 1107	41.9	0.50	1
09-1760-08D	MW7	Water	3/18/09	3/18/09 1117	28.5	0.50	1
09-1760-09D	MW6	Water	3/18/09	3/18/09 1128	24.6	0.50	1
09-1760-10D	MW17	Water	3/18/09	3/18/09 1138	39.6	0.50	1
09-1760-11D	MW16	Water	3/18/09	3/18/09 1149	54.9	0.50	1
09-1760-12D	MW27	Water	3/18/09	3/18/09 1221	33.1	0.50	1
09-1760-13D	MW4	Water	3/18/09	3/18/09 1231	32.4	0.50	1
09-1760-14D	MW0	Water	3/18/09	3/18/09 1242	31.9	0.50	1

Comments

Analyst

Approved

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

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 3/19/09

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

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

Evergreen Analytical, Inc.

Date: *19-Mar-09*

Work Order: 09-1760
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **MB4031809**	SampType: **MBLK**	TestCode: **8021_W**	Run ID: **TVHBTEX4_090318A**	Prep Date: **3/18/2009**	Units: **µg/L**
	Batch ID: **R45923**	TestNo: **SW8021B**	FileID: **TVB40318\003R**	Analysis Date: **3/18/2009**	SeqNo: **814401**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	85.04	0	100	0	85	60	140	0	0		

Sample ID: **LCS4031809**	SampType: **LCS**	TestCode: **8021_W**	Run ID: **TVHBTEX4_090318A**	Prep Date: **3/18/2009**	Units: **µg/L**
	Batch ID: **R45923**	TestNo: **SW8021B**	FileID: **TVB40318\004R**	Analysis Date: **3/18/2009**	SeqNo: **814402**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.7	1.0	25.5	0	77.3	70	130	0	0		
Toluene	157.8	2.0	183.6	0	85.9	70	130	0	0		
Ethylbenzene	33.79	2.0	36.8	0	91.8	70	130	0	0		
m,p-Xylene	135.1	2.0	136.3	0	99.1	70	130	0	0		
o-Xylene	53.26	2.0	57.2	0	93.1	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	93.9	0	100	0	93.9	60	140	0	0		

Sample ID: **09-1760-01AMS**	SampType: **MS**	TestCode: **8021_W**	Run ID: **TVHBTEX4_090318A**	Prep Date: **3/18/2009**	Units: **µg/L**
Client ID: **EICH2**	Batch ID: **R45923**	TestNo: **SW8021B**	FileID: **TVB40318\006R**	Analysis Date: **3/18/2009**	SeqNo: **814404**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.77	1.0	25.5	0	77.5	70	130	0	0		
Toluene	154	2.0	183.6	0	83.9	70	130	0	0		
Ethylbenzene	32.26	2.0	36.8	0	87.7	62	130	0	0		
m,p-Xylene	132.2	2.0	136.3	0	97	70	134	0	0		
o-Xylene	51.66	2.0	57.2	0	90.3	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	97.52	0	100	0	97.5	60	140	0	0		

Qualifiers:

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

Work Order: 09-1760
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **09-1760-01AMSD**	SampType: **MSD**	TestCode: **8021_W**	Run ID: **TVHBTEX4_090318A**	Prep Date: **3/18/2009**	Units: **µg/L**
Client ID: **EICH2**	Batch ID: **R45923**	TestNo: **SW8021B**	FileID: **TVB40318\007R**	Analysis Date: **3/18/2009**	SeqNo: **814405**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.85	1.0	25.5	0	77.8	70	130	19.77	0.404	30	
Toluene	158.7	2.0	183.6	0	86.5	70	130	154	3.04	30	
Ethylbenzene	33.72	2.0	36.8	0	91.6	62	130	32.26	4.43	30	
m,p-Xylene	135.4	2.0	136.3	0	99.4	70	134	132.2	2.44	30	
o-Xylene	53.33	2.0	57.2	0	93.2	63	130	51.66	3.19	30	
Surr: 1,2,4-Trichlorobenzene (S)	94.38	0	100	0	94.4	60	140	0	0	0	

Qualifiers:

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

Evergreen Analytical, Inc.

Date: *18-Mar-09*

Work Order: 09-1760
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: MEEP_W

Sample ID: **GB031809**	SampType: **MBLK**	TestCode: **MEEP_W**	Run ID: **FID4_090318A**	Prep Date: **3/18/2009**	Units: **mg/L**
	Batch ID: **GAS031809**	TestNo: **RSKSOP175**	FileID: **FB016**	Analysis Date: **3/18/2009**	SeqNo: **814064**

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

Sample ID: **LCS031809**	SampType: **LCS**	TestCode: **MEEP_W**	Run ID: **FID4_090318A**	Prep Date: **3/18/2009**	Units: **mg/L**
	Batch ID: **GAS031809**	TestNo: **RSKSOP175**	FileID: **FB017**	Analysis Date: **3/18/2009**	SeqNo: **814065**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.6088	0.0080	0.5094	0	120	70	130	0	0		

Sample ID: **09-1760-01BMS**	SampType: **MS**	TestCode: **MEEP_W**	Run ID: **FID4_090318A**	Prep Date: **3/18/2009**	Units: **mg/L**
Client ID: **EICH2**	Batch ID: **GAS031809**	TestNo: **RSKSOP175**	FileID: **FB033**	Analysis Date: **3/18/2009**	SeqNo: **814049**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5448	0.0080	0.5094	0	107	70	130	0	0		

Sample ID: **09-1760-01BMSD**	SampType: **MSD**	TestCode: **MEEP_W**	Run ID: **FID4_090318A**	Prep Date: **3/18/2009**	Units: **mg/L**
Client ID: **EICH2**	Batch ID: **GAS031809**	TestNo: **RSKSOP175**	FileID: **FB034**	Analysis Date: **3/18/2009**	SeqNo: **814050**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5466	0.0080	0.5094	0	107	70	130	0.5448	0.322	30	

Qualifiers:

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

Evergreen Analytical, Inc.

Date: *26-Mar-09*

Work Order: 09-1760
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: 18525

Sample ID: **MB-18525**	SampType: **MBLK**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/20/2009**	Units: **mg/L**
	Batch ID: **18525**	TestNo: **E200.7, Rev.**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815790**

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

Sample ID: **LCS-18525**	SampType: **LCS**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/20/2009**	Units: **mg/L**
	Batch ID: **18525**	TestNo: **E200.7, Rev.**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815791**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	9.871	0.400	10	0.3017	98.7	85	115	0	0		

Sample ID: **09-1760-01CMS**	SampType: **MS**	TestCode: **6010_D**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/20/2009**	Units: **mg/L**
Client ID: **EICH2**	Batch ID: **18525**	TestNo: **SW6010B**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815793**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	94.3	0.50	12.5	80.8	108	75	125	0	0		

Sample ID: **09-1760-01CMSD**	SampType: **MSD**	TestCode: **6010_D**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/20/2009**	Units: **mg/L**
Client ID: **EICH2**	Batch ID: **18525**	TestNo: **SW6010B**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815794**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	92.32	0.50	12.5	80.8	92.2	75	125	94.3	2.12	20	

Qualifiers:

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

Evergreen Analytical, Inc.

Date: *19-Mar-09*

Work Order: 09-1760
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_nondw

Sample ID: **METHOD BLANK 03**	SampType: **MBLK**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090317A**	Prep Date: **3/17/09**	Units: **mg/L**
	Batch ID: **R45900**	TestNo: **E300.0**	FileID:	Analysis Date: **3/17/09**	SeqNo: **813823**

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

Sample ID: **METHOD BLANK 03**	SampType: **MBLK**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090318A**	Prep Date: **3/18/09**	Units: **mg/L**
	Batch ID: **R45935**	TestNo: **E300.0**	FileID:	Analysis Date: **3/18/09**	SeqNo: **814846**

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

Sample ID: **LCS ALLT218076**	SampType: **LCS**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090317A**	Prep Date: **3/17/09**	Units: **mg/L**
	Batch ID: **R45900**	TestNo: **E300.0**	FileID:	Analysis Date: **3/17/09**	SeqNo: **813822**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.4	1.0	20	0.2069	92	90	110	0	0		

Sample ID: **LCS ALLT218076**	SampType: **LCS**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090318A**	Prep Date: **3/18/09**	Units: **mg/L**
	Batch ID: **R45935**	TestNo: **E300.0**	FileID:	Analysis Date: **3/18/09**	SeqNo: **814845**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.54	1.0	20	0	92.7	90	110	0	0		

Qualifiers:

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

Evergreen Analytical Laboratory - *An Accutest Company*

March 27, 2009

Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505

Lab Work Order: 09-1760
Client Project ID: 008-2067

Dear Stuart Hall:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

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

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

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

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

Sincerely,

Joseph J Egry IV/ Carl Smits
Quality Assurance

001

WORK ORDER Summary Evergreen Analytical, Inc. 09-1839

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/19/2009 11:39:13 AM

Client Project ID: 008-2067

QC Level: Level I

Comments:

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-1839-01A	DCS8	Water	3/18/09 1015	3/19/09	8021_W *	8021: BTEX	☐	☐	3/24/09	3/25/09
09-1839-01B	DCS8	Water	3/18/09 1015	3/19/09	MEEP_W *	RSK175M: Methane	☐	☐	4/02/09	3/25/09
09-1839-01C	DCS8	Water	3/18/09 1015	3/19/09	6010_D *	6010: Dissolved Metals	☐	☐	4/02/09	9/14/09
09-1839-01D	DCS8	Water	3/18/09 1015	3/19/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/02/09	3/20/09
09-1839-02A	DCS7	Water	3/18/09 1030	3/19/09	8021_W *	8021: BTEX	☐	☐	3/24/09	3/25/09
09-1839-02B	DCS7	Water	3/18/09 1030	3/19/09	MEEP_W *	RSK175M: Methane	☐	☐	4/02/09	3/25/09
09-1839-02C	DCS7	Water	3/18/09 1030	3/19/09	6010_D *	6010: Dissolved Metals	☐	☐	4/02/09	9/14/09
09-1839-02D	DCS7	Water	3/18/09 1030	3/19/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/02/09	3/20/09
09-1839-03A	DCS6	Water	3/18/09 1040	3/19/09	8021_W *	8021: BTEX	☐	☐	3/24/09	3/25/09
09-1839-03B	DCS6	Water	3/18/09 1040	3/19/09	MEEP_W *	RSK175M: Methane	☐	☐	4/02/09	3/25/09
09-1839-03C	DCS6	Water	3/18/09 1040	3/19/09	6010_D *	6010: Dissolved Metals	☐	☐	4/02/09	9/14/09
09-1839-03D	DCS6	Water	3/18/09 1040	3/19/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/02/09	3/20/09
09-1839-04A	DCS5	Water	3/18/09 1100	3/19/09	8021_W *	8021: BTEX	☐	☐	3/24/09	3/25/09
09-1839-04B	DCS5	Water	3/18/09 1100	3/19/09	MEEP_W *	RSK175M: Methane	☐	☐	4/02/09	3/25/09
09-1839-04C	DCS5	Water	3/18/09 1100	3/19/09	6010_D *	6010: Dissolved Metals	☐	☐	4/02/09	9/14/09
09-1839-04D	DCS5	Water	3/18/09 1100	3/19/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/02/09	3/20/09
09-1839-05A	DCS4	Water	3/18/09 1110	3/19/09	8021_W *	8021: BTEX	☐	☐	3/24/09	3/25/09
09-1839-05B	DCS4	Water	3/18/09 1110	3/19/09	MEEP_W *	RSK175M: Methane	☐	☐	4/02/09	3/25/09
09-1839-05C	DCS4	Water	3/18/09 1110	3/19/09	6010_D *	6010: Dissolved Metals	☐	☐	4/02/09	9/14/09
09-1839-05D	DCS4	Water	3/18/09 1110	3/19/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/02/09	3/20/09

Definitions: * - Test Code has a Select List

002

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Page 1 of 1

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

CLIENT INFORMATION

CLIENT Olson Associates
ADDRESS 826 21 1/2 Rd
CITY Grand Junction STATE CO ZIP 81505
PHONE 970.263.7800 FAX 263-7456 E-mail shall@olsonassociates.com
REPORT BY ☐ MAIL ☐ FAX ☒ PDF ☐ EDD
REPORT CHROMATOGRAMS ☐ YES ☐ NO
REPORT TO (Mr/Ms) Stuart Hall
INVOICE TO Same
PROJECT I.D. 008-2067
P.O. # _____ EAL. QUOTE # _____
Sampler: _____ (sign)

Report Results by: _____ (Date)*
Standard 2 working weeks ☒
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

NOTE: *Identify Known Hazards Below*

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1) Drinking Water or 2) Discharge Water or 3) Ground Water (circle one)	MATRIX: Soil / Solid / Air / Gas	MATRIX: Oil / Sludge / Wipe	ANALYSES: TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Pesticides 8081/8270/608 (circle)	PCBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. (Gasoline)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	TRPH 418.1, O&G 413.1, 1664 (circle)	COD, NH_3, TOC, TP (circle)	AIK, BOD, pH, TDS, TSS (circle)	Dissolved methane	Na	Cl				For Laboratory use only
DCS8	3-18-09	1015											X								X	X	X				01
DCS7		1030											X								X	X	X				02
DCS6		1040											X								X	X	X				03
DCS5		1100											X								X	X	X				04
DCS4		1110											X								X	X	X				05
Does this analysis involve property transfer? ☐ Yes or ☒ No													A								B	C	D				Sample Fraction
Instructions: Dissolved Metals need to be Filtered																											

For Laboratory use only:
W.O.# 09-1839
B.O.F.# _____
C/S (O) NA
C/S (I) NA / UPS
Cooler Temp. °C 2.5
Seals Present Y / N / NA
Seals Intact Y / N
Samples Pres. Y / N / NA
Headspace Y / N / NA
By _____

** **Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time
	3-18-09 1630						3-19-09 10:??

Evergreen Analytical, Inc. **Date:** *02-Apr-09*

Lab Order: 09-1839
Client Project ID 008-2067

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.
The temperature of the sample(s) upon arrival was 2.5°C.
Sample(s) were received in good condition, in the proper container, and within holding times.
VOC sample(s) were marked as preserved on the bottle labels.
VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE (QA)

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

CLIENT SERVICES

There are no anomalies to report. PM

GENERAL CHEMISTRY

Chloride : There are no anomalies to report. MM

METALS ANALYSIS

Sodium : There are no anomalies to report. WKH

GAS CHROMATOGRAPHY

Method RSK-175: A sample duplicate (DUP) was prepared and analyzed instead of a matrix spike duplicate (MSD) due to limited sample. There are no other anomalies to report. VM

Method 8021_W: There are no other anomalies to report. JCC

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	DCS8	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-01
Date Collected:	3/18/09 1015	**Sample Matrix:**	Water
Date Received:	3/19/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	58	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** JL
	Result	**LQL**	**DF**	**Units**
Chloride	12.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.0011	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 4/2/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	DCS7	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-02
Date Collected:	3/18/09 1030	**Sample Matrix:**	Water
Date Received:	3/19/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	58	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** JL
	Result	**LQL**	**DF**	**Units**
Chloride	12.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.0012	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 4/2/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	DCS6	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-03
Date Collected:	3/18/09 1040	**Sample Matrix:**	Water
Date Received:	3/19/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	57	0.40	1	mg/L

Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

Anions by IC	**Method:** E300.0			**Analyst:** JL
	Result	**LQL**	**DF**	**Units**
Chloride	12.8	0.50	1	mg/L

RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.0011	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 4/2/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	DCS5	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-04
Date Collected:	3/18/09 1100	**Sample Matrix:**	Water
Date Received:	3/19/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	58	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** JL
	Result	**LQL**	**DF**	**Units**
Chloride	12.8	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.0012	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 4/2/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	DCS4	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-05
Date Collected:	3/18/09 1110	**Sample Matrix:**	Water
Date Received:	3/19/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	61	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** JL
	Result	**LQL**	**DF**	**Units**
Chloride	12.8	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.00096	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 4/2/2009

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	DCS8	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-01A
Date Collected:	3/18/2009	**Sample Matrix:**	Water
Date Received:	3/19/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/24/2009 **Lab File ID:** 032409\TA006 **Dilution Factor:** 1

Date Analyzed: 3/24/2009 **Method Blank:** MB2032409

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	89	**QC Limits:**	60-140	%REC

JCC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/25/2009

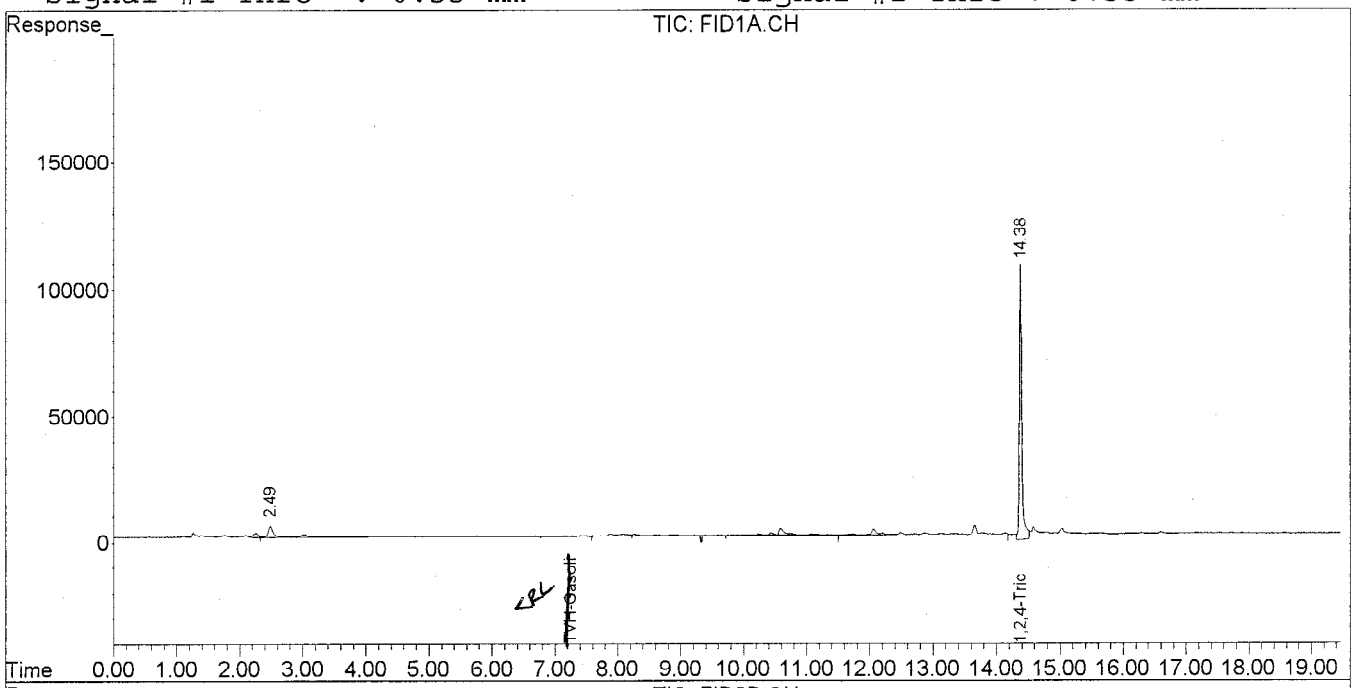
Quantitation Report (Not Reviewed)

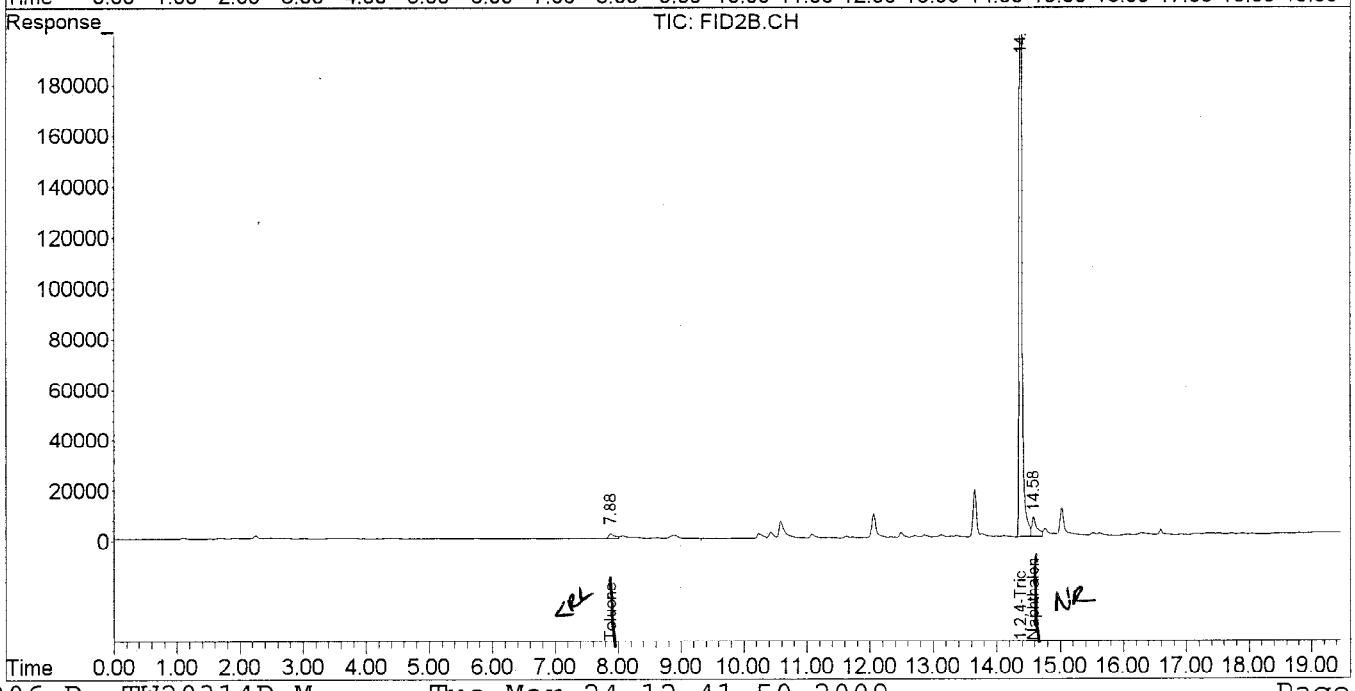
010

Signal #1 : E:\DATA\032409\TA006.D\FID1A.CH Vial: 6
Signal #2 : E:\DATA\032409\TA006.D\FID2B.CH
Acq On : 24 Mar 2009 12:24 pm Operator: Jennifer C
Sample : 09-1839-01A Inst : TVHBTEX2
Misc : ,SAMP,8021_S,TVH_W,1, Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 24 13:44 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





JCC 03/24/09

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	DCS7	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-02A
Date Collected:	3/18/2009	**Sample Matrix:**	Water
Date Received:	3/19/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/24/2009 **Lab File ID:** 032409\TA009 **Dilution Factor:** 1

Date Analyzed: 3/24/2009 **Method Blank:** MB2032409

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	89	**QC Limits:**	60-140	%REC

JCC
Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

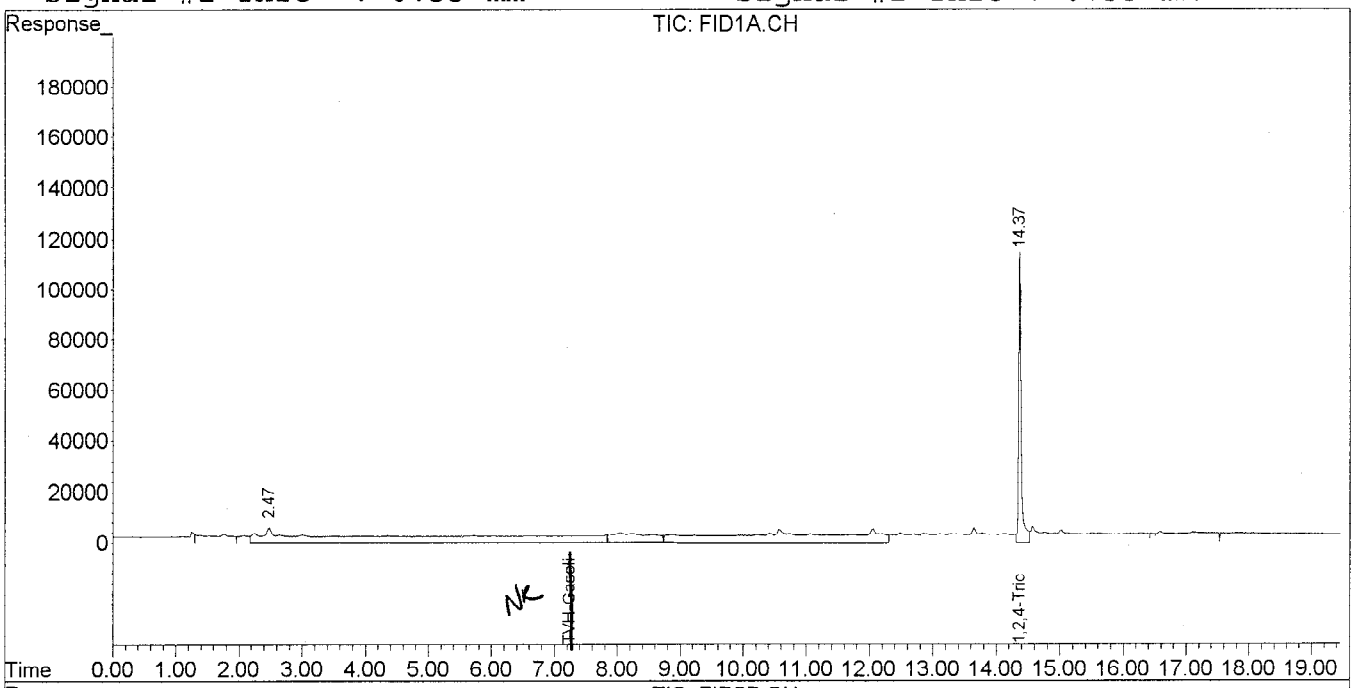
Print Date: 3/25/2009

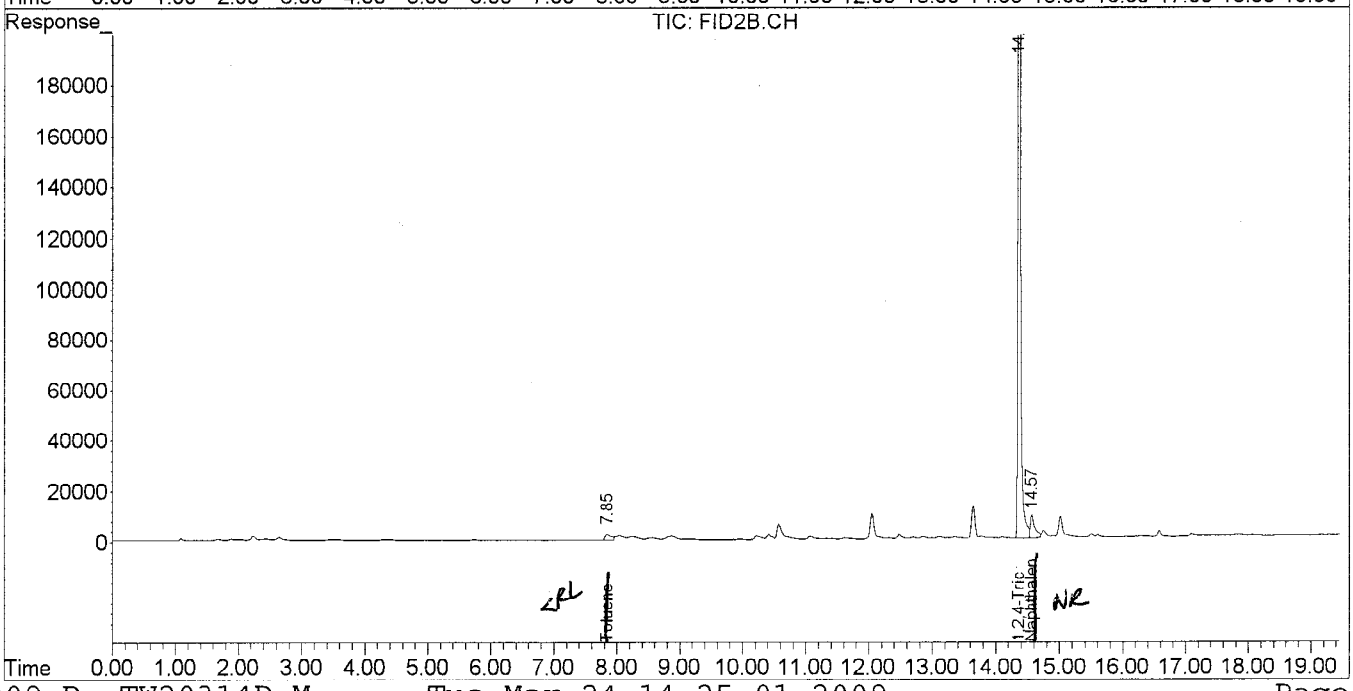
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\032409\TA009.D\FID1A.CH Vial: 9
Signal #2 : E:\DATA\032409\TA009.D\FID2B.CH
Acq On : 24 Mar 2009 2:07 pm Operator: Jennifer C
Sample : 09-1839-02A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1, Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 24 15:27 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





JCC 03/24/09

Evergreen Analytical, Inc.

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

Client Sample ID: DCS6
Client Project ID: 008-2067
Date Collected: 3/18/2009
Date Received: 3/19/2009

Lab Work Order 09-1839
Lab Sample ID: 09-1839-03A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/24/2009
Date Analyzed: 3/24/2009
Lab File ID: 032409\TA010
Method Blank: MB2032409
Dilution Factor: 1

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

JCC
Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

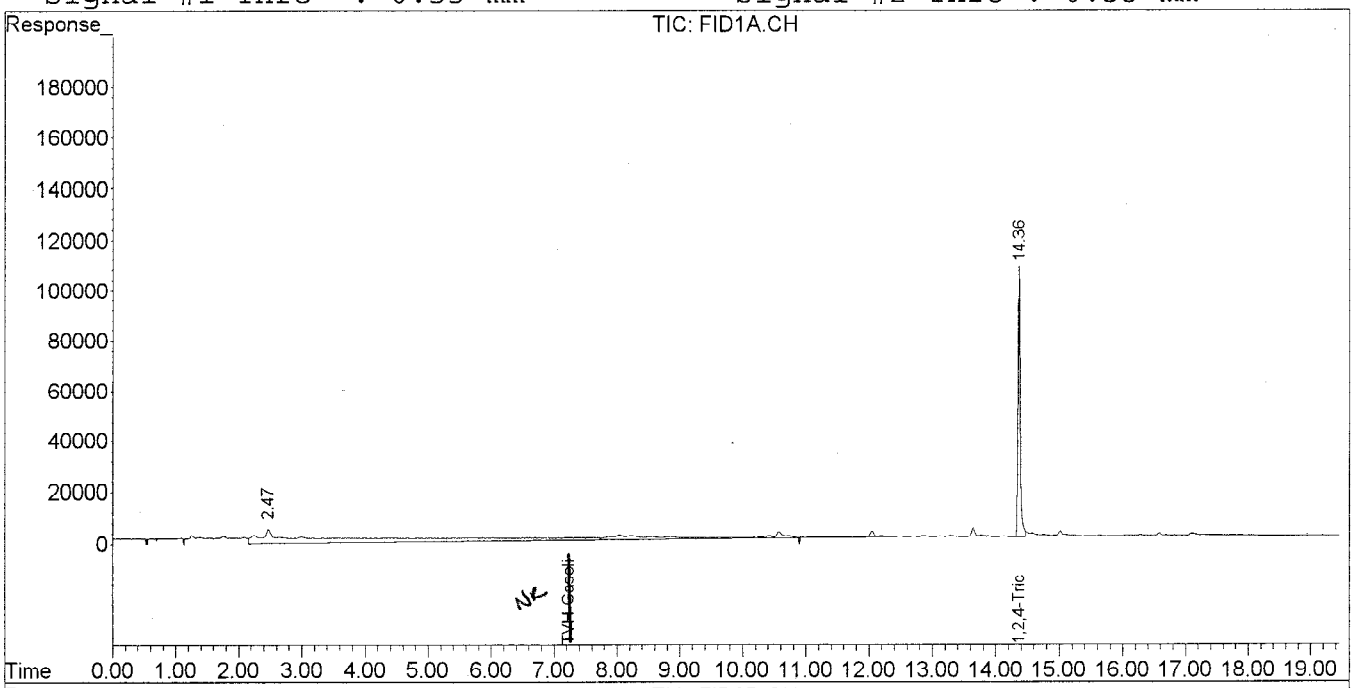
Print Date: 3/25/2009

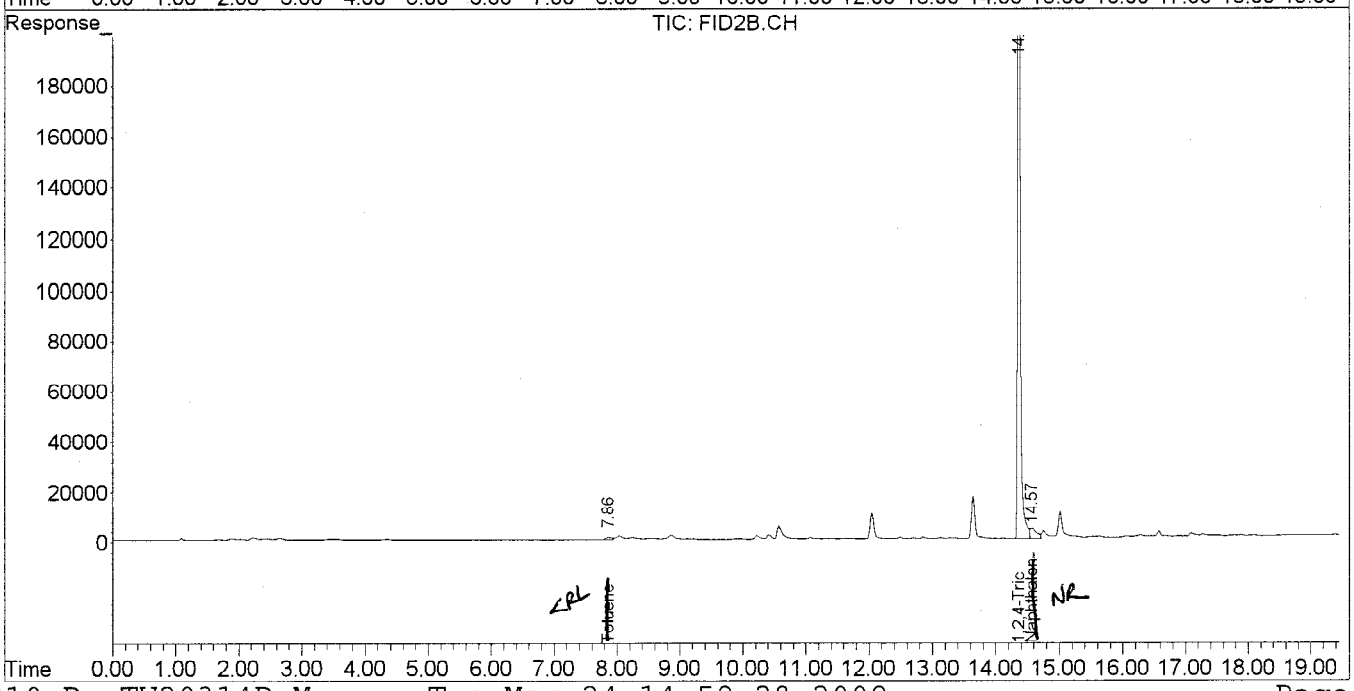
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\032409\TA010.D\FID1A.CH Vial: 10
Signal #2 : E:\DATA\032409\TA010.D\FID2B.CH
Acq On : 24 Mar 2009 2:42 pm Operator: Jennifer C
Sample : 09-1839-03A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1, Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 24 16:02 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





JCC 03/24/09

Evergreen Analytical, Inc.

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

Client Sample ID:	DCS5	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-04A
Date Collected:	3/18/2009	**Sample Matrix:**	Water
Date Received:	3/19/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/24/2009 **Lab File ID:** 032409\TA011 **Dilution Factor:** 1
Date Analyzed: 3/24/2009 **Method Blank:** MB2032409

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

JCC
Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

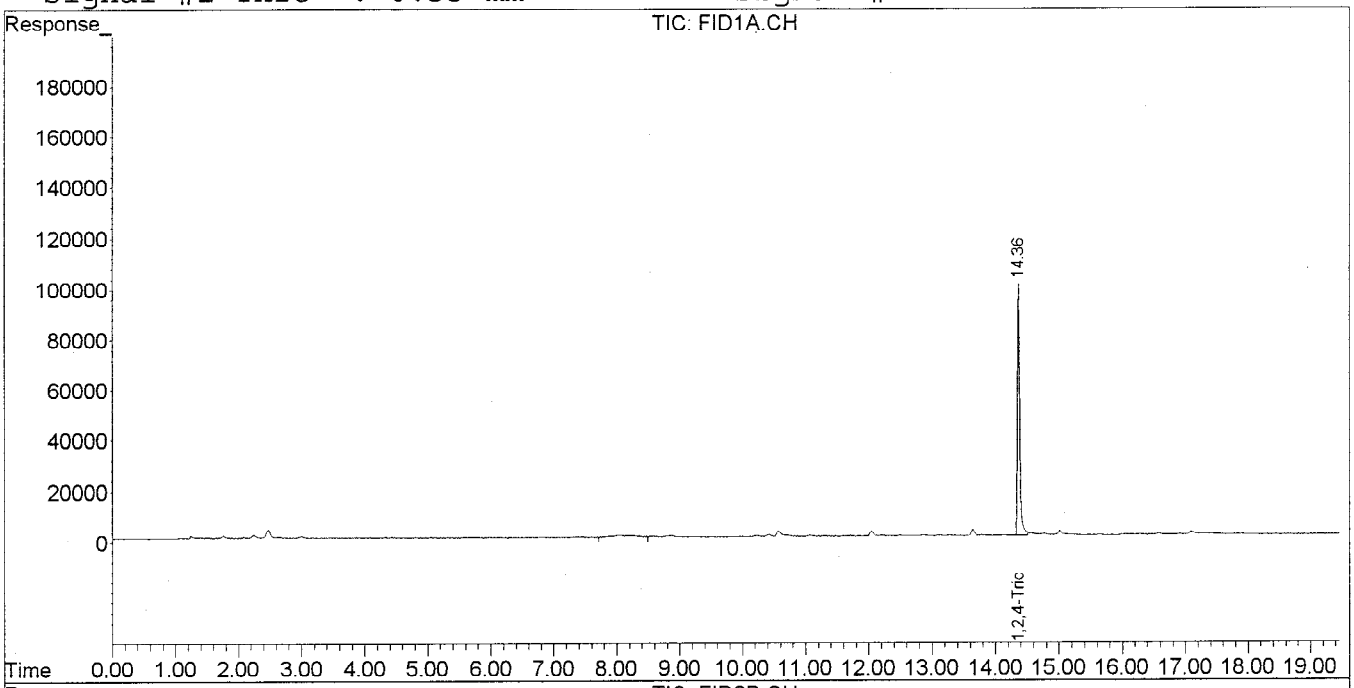
Print Date: 3/25/2009

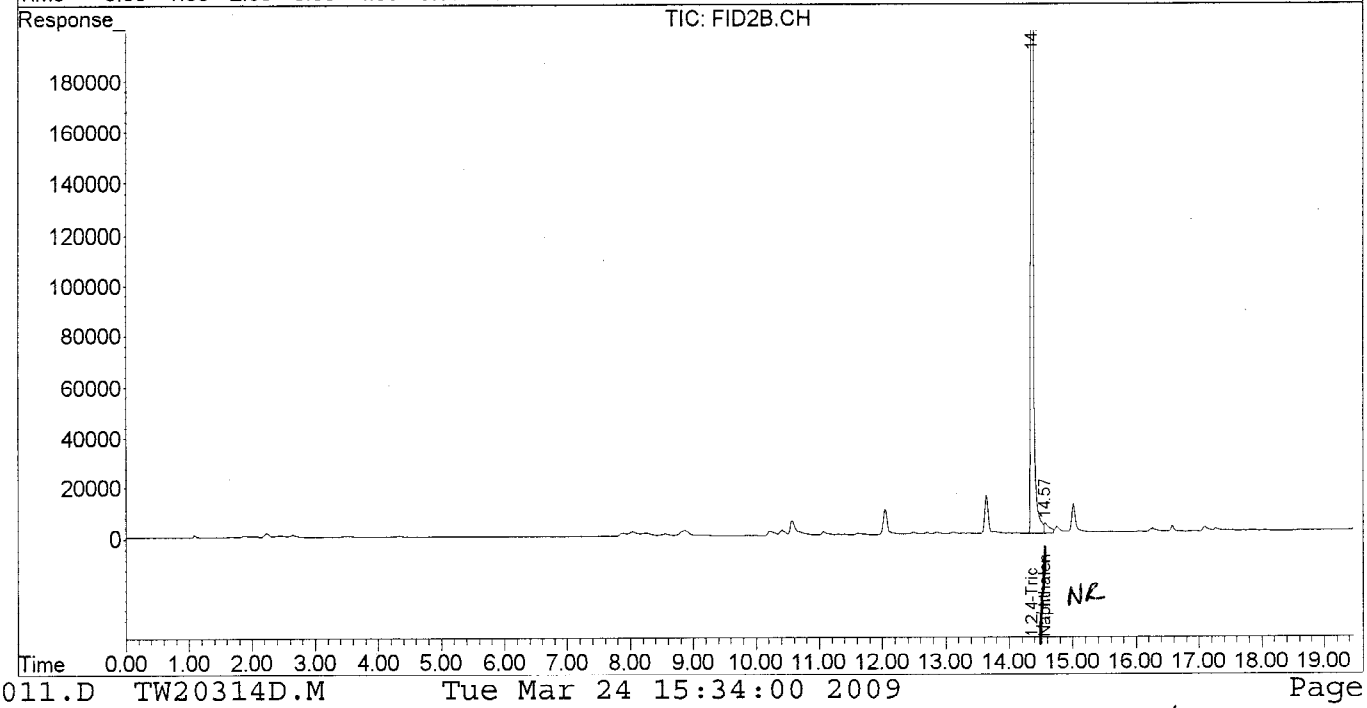
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\032409\TA011.D\FID1A.CH Vial: 11
Signal #2 : E:\DATA\032409\TA011.D\FID2B.CH
Acq On : 24 Mar 2009 3:16 pm Operator: Jennifer C
Sample : 09-1839-04A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1, Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 24 16:36 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





JCC 03/24/09

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	DCS4	**Lab Work Order**	09-1839
Client Project ID:	008-2067	**Lab Sample ID:**	09-1839-05A
Date Collected:	3/18/2009	**Sample Matrix:**	Water
Date Received:	3/19/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared:	3/24/2009	**Lab File ID:**	032409\TA012
Date Analyzed:	3/24/2009	**Method Blank:**	MB2032409

Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	91	**QC Limits:**	60-140	%REC

Analyst **Approved**

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 3/25/2009

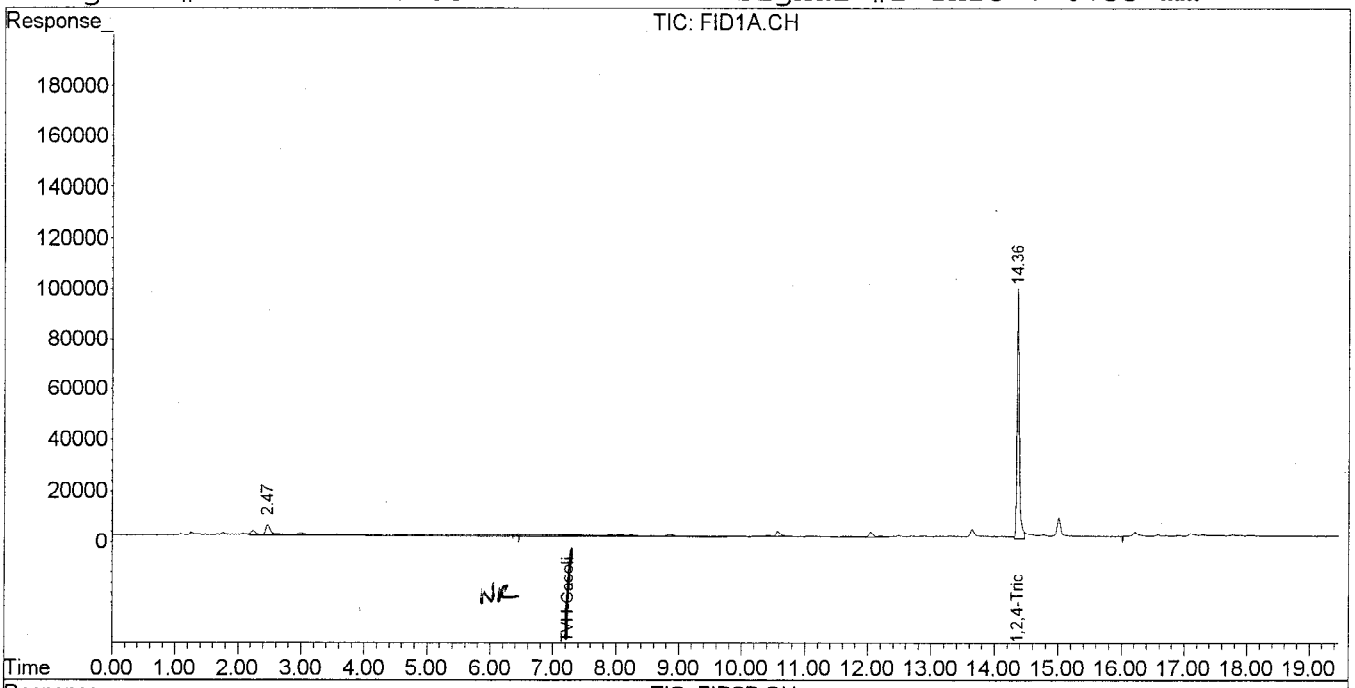
Quantitation Report (Not Reviewed)

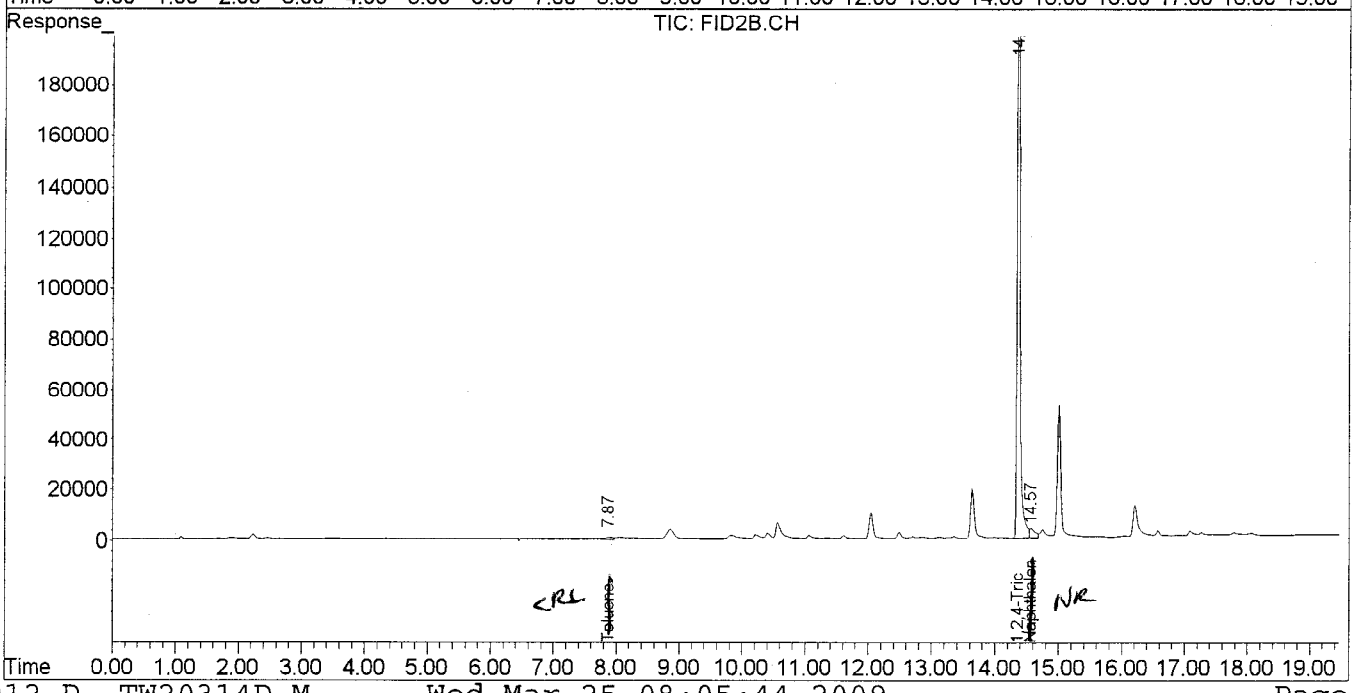
Data File : E:\DATA\032409\TA012.D Vial: 12
Sample Type: Unknown Sample Name: 09-1839-05A

Signal #1 : E:\DATA\032409\TA012.D\FID1A.CH
Signal #2 : E:\DATA\032409\TA012.D\FID2B.CH
Acq On : 24 Mar 2009 3:51 pm Operator: Jennifer C
Sample : 09-1839-05A Inst : TVHBTEX2
Misc : ,SAMP,8021_W,TVH_W,1, Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 25 9:08 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





JLC 03/25/09

Evergreen Analytical, Inc.

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

Client Project ID 008-2067

Lab Order: 09-1839
Units: mg/L

RSKSOP-175M Headspace
Methane

Method: RSKSOP175M

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
09-1839-01B	DCS8	Water	3/19/09	3/18/09	3/24/09	3/24/09	0.0011	0.00080	1
09-1839-02B	DCS7	Water	3/19/09	3/18/09	3/24/09	3/24/09	0.0012	0.00080	1
09-1839-03B	DCS6	Water	3/19/09	3/18/09	3/24/09	3/24/09	0.0011	0.00080	1
09-1839-04B	DCS5	Water	3/19/09	3/18/09	3/24/09	3/24/09	0.0012	0.00080	1
09-1839-05B	DCS4	Water	3/19/09	3/18/09	3/24/09	3/24/09	0.00096	0.00080	1

Comments:

VM
Analyst

Approved

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

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 3/24/2009

Evergreen Analytical, Inc.

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

Client Project ID 008-2067
Date Received: 3/19/09

Lab Order: 09-1839
Date Prepared: 3/30/09
Units: mg/L

Dissolved Metals
Sodium

Method: SW6010B **Prep Method: E200.7/SW3010A**

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
09-1839-01C	DCS8	Water	3/18/09	4/1/09	58	0.40	1
09-1839-02C	DCS7	Water	3/18/09	4/1/09	58	0.40	1
09-1839-03C	DCS6	Water	3/18/09	4/1/09	57	0.40	1
09-1839-04C	DCS5	Water	3/18/09	4/1/09	58	0.40	1
09-1839-05C	DCS4	Water	3/18/09	4/1/09	61	0.40	1

MB/ [illegible]
Analyst

[illegible]
Approved

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

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

Print Date: 4/2/2009

Evergreen Analytical, Inc.

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

Client Project ID 008-2067

Lab Order: 09-1839
Units: mg/L

Anions by IC
Chloride

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
09-1839-01D	DCS8	Water	3/19/09	3/18/09 1015	3/20/09	3/20/09 1132	12.9	0.50	1
09-1839-02D	DCS7	Water	3/19/09	3/18/09 1030	3/20/09	3/20/09 1145	12.9	0.50	1
09-1839-03D	DCS6	Water	3/19/09	3/18/09 1040	3/20/09	3/20/09 1157	12.8	0.50	1
09-1839-04D	DCS5	Water	3/19/09	3/18/09 1100	3/20/09	3/20/09 1210	12.8	0.50	1
09-1839-05D	DCS4	Water	3/19/09	3/18/09 1110	3/20/09	3/20/09 1223	12.8	0.50	1

Comments:

J. Lange
Analyst

Approved

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

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 3/23/09

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

* For Metals or Wet Chemistry analyses: only included if requested.

Evergreen Analytical, Inc.

Date: *25-Mar-09*

Work Order: 09-1839
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **MB2032409**	SampType: **MBLK**	TestCode: **8021_W**	Run ID: **TVHBTEX2_090324A**	Prep Date: **3/24/2009**	Units: **µg/L**
	Batch ID: **R46049**	TestNo: **SW8021B**	FileID: **032409\TA004**	Analysis Date: **3/24/2009**	SeqNo: **816916**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	93.48	0	100	0	93.5	60	140	0	0		

Sample ID: **MEB032309**	SampType: **MBLK**	TestCode: **8021_W**	Run ID: **TVHBTEX2_090324A**	Prep Date: **3/24/2009**	Units: **µg/L**
	Batch ID: **R46049**	TestNo: **SW8021B**	FileID: **032409\TA026**	Analysis Date: **3/24/2009**	SeqNo: **816936**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	100									
Toluene	U	200									
Ethylbenzene	U	200									
m,p-Xylene	U	200									
o-Xylene	U	200									
Surr: 1,2,4-Trichlorobenzene (S)	8771	0	10000	0	87.7	60	140	0	0		

Sample ID: **LCS2032409**	SampType: **LCS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_090324A**	Prep Date: **3/24/2009**	Units: **µg/L**
	Batch ID: **R46049**	TestNo: **SW8021B**	FileID: **032409\TA005**	Analysis Date: **3/24/2009**	SeqNo: **816917**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	26.05	1.0	25.5	0	102	70	130	0	0		
Toluene	178.6	2.0	183.6	0	97.3	70	130	0	0		
Ethylbenzene	39.09	2.0	36.8	0	106	70	130	0	0		
m,p-Xylene	144.4	2.0	136.3	0	106	70	130	0	0		
o-Xylene	61.54	2.0	57.2	0	108	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	122.7	0	100	0	123	60	140	0	0		

Qualifiers:

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

Work Order: 09-1839
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_W

Sample ID: **09-1839-01AMS**	SampType: **MS**	TestCode: **8021_W**	Run ID: **TVHBTEX2_090324A**	Prep Date: **3/24/2009**	Units: **µg/L**
Client ID: **DCS8**	Batch ID: **R46049**	TestNo: **SW8021B**	FileID: **032409\TA007**	Analysis Date: **3/24/2009**	SeqNo: **816919**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	26.18	1.0	25.5	0	103	70	130	0	0		
Toluene	179.3	2.0	183.6	0	97.7	70	130	0	0		
Ethylbenzene	39.34	2.0	36.8	0	107	62	130	0	0		
m,p-Xylene	145.1	2.0	136.3	0	106	70	134	0	0		
o-Xylene	61.86	2.0	57.2	0	108	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	120	0	100	0	120	60	140	0	0		

Sample ID: **09-1839-01AMSD**	SampType: **MSD**	TestCode: **8021_W**	Run ID: **TVHBTEX2_090324A**	Prep Date: **3/24/2009**	Units: **µg/L**
Client ID: **DCS8**	Batch ID: **R46049**	TestNo: **SW8021B**	FileID: **032409\TA008**	Analysis Date: **3/24/2009**	SeqNo: **816920**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	26.49	1.0	25.5	0	104	70	130	26.18	1.19	30	
Toluene	181.9	2.0	183.6	0	99.1	70	130	179.3	1.45	30	
Ethylbenzene	39.98	2.0	36.8	0	109	62	130	39.34	1.62	30	
m,p-Xylene	147.3	2.0	136.3	0	108	70	134	145.1	1.50	30	
o-Xylene	62.68	2.0	57.2	0	110	63	130	61.86	1.32	30	
Surr: 1,2,4-Trichlorobenzene (S)	123.2	0	100	0	123	60	140	0	0	0	

Qualifiers:

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

Evergreen Analytical, Inc.

Date: *24-Mar-09*

Work Order: 09-1839
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: MEEP_W

Sample ID: **GB032409**	SampType: **MBLK**	TestCode: **MEEP_W**	Run ID: **FID4_090324A**	Prep Date: **3/24/2009**	Units: **mg/L**
	Batch ID: **GAS032409**	TestNo: **RSKSOP175**	FileID: **FB017**	Analysis Date: **3/24/2009**	SeqNo: **816426**

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

Sample ID: **LCS032409**	SampType: **LCS**	TestCode: **MEEP_W**	Run ID: **FID4_090324A**	Prep Date: **3/24/2009**	Units: **mg/L**
	Batch ID: **GAS032409**	TestNo: **RSKSOP175**	FileID: **FB018**	Analysis Date: **3/24/2009**	SeqNo: **816427**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.6082	0.0080	0.5094	0	119	70	130	0	0		

Sample ID: **LCSD032409**	SampType: **LCSD**	TestCode: **MEEP_W**	Run ID: **FID4_090324A**	Prep Date: **3/24/2009**	Units: **mg/L**
	Batch ID: **GAS032409**	TestNo: **RSKSOP175**	FileID: **FB019**	Analysis Date: **3/24/2009**	SeqNo: **816428**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5997	0.0080	0.5094	0	118	70	130	0.6082	1.41	30	

Sample ID: **09-1839-02BMS**	SampType: **MS**	TestCode: **MEEP_W**	Run ID: **FID4_090324A**	Prep Date: **3/24/2009**	Units: **mg/L**
Client ID: **DCS7**	Batch ID: **GAS032409**	TestNo: **RSKSOP175**	FileID: **FB030**	Analysis Date: **3/24/2009**	SeqNo: **816422**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5941	0.0080	0.5094	0.001167	117	70	130	0	0		

Sample ID: **09-1839-01BDUP**	SampType: **DUP**	TestCode: **MEEP_W**	Run ID: **FID4_090324A**	Prep Date: **3/24/2009**	Units: **mg/L**
Client ID: **DCS8**	Batch ID: **GAS032409**	TestNo: **RSKSOP175**	FileID: **FB029**	Analysis Date: **3/24/2009**	SeqNo: **816420**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.001114	0.00080	0	0	0	0	0	0.001074	3.69	30	

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R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *02-Apr-09*

Work Order: 09-1839
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: 18612

Sample ID: **MB-18612**	SampType: **MBLK**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090401A**	Prep Date: **3/30/2009**	Units: **mg/L**
	Batch ID: **18612**	TestNo: **E200.7, Rev.**	FileID: **040109AM**	Analysis Date: **4/1/2009**	SeqNo: **820443**

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

Sample ID: **MB-18612**	SampType: **MBLK**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090401B**	Prep Date: **3/30/2009**	Units: **mg/L**
	Batch ID: **18612**	TestNo: **E200.7, Rev.**	FileID: **040109DY**	Analysis Date: **4/2/2009**	SeqNo: **820723**

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

Sample ID: **LCS-18612**	SampType: **LCS**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090401A**	Prep Date: **3/30/2009**	Units: **mg/L**
	Batch ID: **18612**	TestNo: **E200.7, Rev.**	FileID: **040109AM**	Analysis Date: **4/1/2009**	SeqNo: **820444**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	8.966	0.400	10	0	89.7	85	115	0	0		

Sample ID: **LCS-18612**	SampType: **LCS**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090401B**	Prep Date: **3/30/2009**	Units: **mg/L**
	Batch ID: **18612**	TestNo: **E200.7, Rev.**	FileID: **040109DY**	Analysis Date: **4/2/2009**	SeqNo: **820724**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	10.5	0.400	10	0	105	85	115	0	0		

Sample ID: **09-1839-01CMS**	SampType: **MS**	TestCode: **6010_D**	Run ID: **ICP-OPTIMA 5300 DV_090401B**	Prep Date: **3/30/2009**	Units: **mg/L**
Client ID: **DCS8**	Batch ID: **18612**	TestNo: **SW6010B**	FileID: **040109DY**	Analysis Date: **4/1/2009**	SeqNo: **820677**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	73.23	0.50	12.5	57.87	123	75	125	0	0		

Qualifiers:

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J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 09-1839
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: 18612

Sample ID: **09-1839-01CMSD**	SampType: **MSD**	TestCode: **6010_D**	Run ID: **ICP-OPTIMA 5300 DV_090401B**	Prep Date: **3/30/2009**	Units: **mg/L**
Client ID: **DCS8**	Batch ID: **18612**	TestNo: **SW6010B**	FileID: **040109DY**	Analysis Date: **4/1/2009**	SeqNo: **820678**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	72.98	0.50	12.5	57.87	121	75	125	73.23	0.340	20	

Qualifiers:

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

Evergreen Analytical, Inc.

Date: *23-Mar-09*

Work Order: 09-1839
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_NonDW

Sample ID: **MB 03/20/09**	SampType: **MBLK**	TestCode: **ANIONS_Non**	Run ID: **IC-DX120_090320A**	Prep Date: **3/20/09**	Units: **mg/L**
	Batch ID: **R45981**	TestNo: **E300.0**	FileID:	Analysis Date: **3/20/09**	SeqNo: **815537**

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

Sample ID: **LCS ALLT218076**	SampType: **LCS**	TestCode: **ANIONS_Non**	Run ID: **IC-DX120_090320A**	Prep Date: **3/20/09**	Units: **mg/L**
	Batch ID: **R45981**	TestNo: **E300.0**	FileID:	Analysis Date: **3/20/09**	SeqNo: **815536**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	21.22	2.5	20	0	106	90	110	0	0		

Qualifiers:

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

Evergreen Analytical Laboratory - *An Accutest Company*

April 02, 2009

Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505

Lab Work Order: 09-1839
Client Project ID: 008-2067

Dear Stuart Hall:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

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

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

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

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

Sincerely,

Joseph J Egry IV/ Carl Smits
Quality Assurance

001

WORK ORDER Summary Evergreen Analytical, Inc. 09-1798

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/18/2009 11:50:32 AM

Client Project ID: 008-2067

QC Level: Level I

Comments:

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-1798-01A	MW 1	Water	3/17/09 1020	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-01B	MW 1	Water	3/17/09 1020	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-01C	MW 1	Water	3/17/09 1020	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-01D	MW 1	Water	3/17/09 1020	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-02A	MW 2	Water	3/17/09 1100	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-02B	MW 2	Water	3/17/09 1100	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-02C	MW 2	Water	3/17/09 1100	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-02D	MW 2	Water	3/17/09 1100	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-03A	MW 26	Water	3/17/09 1130	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-03B	MW 26	Water	3/17/09 1130	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-03C	MW 26	Water	3/17/09 1130	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-03D	MW 26	Water	3/17/09 1130	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-04A	MW 24	Water	3/17/09 1240	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-04B	MW 24	Water	3/17/09 1240	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-04C	MW 24	Water	3/17/09 1240	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-04D	MW 24	Water	3/17/09 1240	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-05A	MW 25	Water	3/17/09 1030	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-05B	MW 25	Water	3/17/09 1030	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-05C	MW 25	Water	3/17/09 1030	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-05D	MW 25	Water	3/17/09 1030	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-06A	MW 11	Water	3/17/09 1040	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09

Definitions: * - Test Code has a Select List

002

WORK ORDER Summary Evergreen Analytical, Inc. 09-1798

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/18/2009 11:50:32 AM

Client Project ID: 008-2067

QC Level: Level I

09-1798-06B	MW 11	Water	3/17/09 1040	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-06C	MW 11	Water	3/17/09 1040	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-06D	MW 11	Water	3/17/09 1040	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-07A	MW 12	Water	3/17/09 1055	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-07B	MW 12	Water	3/17/09 1055	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-07C	MW 12	Water	3/17/09 1055	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-07D	MW 12	Water	3/17/09 1055	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-08A	MW 9	Water	3/17/09 1120	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-08B	MW 9	Water	3/17/09 1120	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-08C	MW 9	Water	3/17/09 1120	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-08D	MW 9	Water	3/17/09 1120	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-09A	MW 14	Water	3/17/09 1135	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-09B	MW 14	Water	3/17/09 1135	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-09C	MW 14	Water	3/17/09 1135	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-09D	MW 14	Water	3/17/09 1135	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-10A	DCS 1	Water	3/17/09 1230	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-10B	DCS 1	Water	3/17/09 1230	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-10C	DCS 1	Water	3/17/09 1230	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-10D	DCS 1	Water	3/17/09 1230	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-11A	DCS 0	Water	3/17/09 1230	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-11B	DCS 0	Water	3/17/09 1230	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-11C	DCS 0	Water	3/17/09 1230	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-11D	DCS 0	Water	3/17/09 1230	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-1798

Rpt To: Stuart Hall
Ollson Associates
826 21 1/2 Road
Grand Junction, CO 81505
(970) 263-7800

Email To: shall@oaconsulting.com

3/18/2009 11:50:32 AM

Client Project ID: 008-2067

QC Level: Level I

09-1798-12A	DCS 2	Water	3/17/09 1300	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-12B	DCS 2	Water	3/17/09 1300	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-12C	DCS 2	Water	3/17/09 1300	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-12D	DCS 2	Water	3/17/09 1300	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09
09-1798-13A	DCS 3	Water	3/17/09 1310	3/18/09	8021_W *	8021: BTEX	☐	☐	3/23/09	3/24/09
09-1798-13B	DCS 3	Water	3/17/09 1310	3/18/09	MEEP_W *	RSK175M: Methane	☐	☐	4/01/09	3/24/09
09-1798-13C	DCS 3	Water	3/17/09 1310	3/18/09	6010_D *	6010: Dissolved Metals	☐	☐	4/01/09	9/13/09
09-1798-13D	DCS 3	Water	3/17/09 1310	3/18/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	4/01/09	3/19/09

Definitions: * - Test Code has a Select List

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

CLIENT INFORMATION

CLIENT OLLSON ASSOCIATES
ADDRESS 826 21 1/2 Rd
CITY GRAND JUNCTION STATE CO ZIP 81505
PHONE 970 263-7800 FAX 970 263-7456 E-mail shall@OACONSULTING.com
REPORT BY ☐ MAIL ☐ FAX ☒ PDF ☐ EDD
REPORT CHROMATOGRAMS ☐ YES ☐ NO
REPORT TO (Mr/Ms) STUART HALL
INVOICE TO SAME
PROJECT I.D. 008-2067
P.O. # _____ EAL. QUOTE # _____
Sampler: Jess Vann (sign)

Report Results by: _____ (Date)*
Standard 2 working weeks ☒
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

NOTE: *Identify Known Hazards Below*

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1) Drinking Water or 2) Discharge Water or 3) Ground Water (circle one)	MATRIX: Soil / Solid / Air / Gas	MATRIX: Oil / Sludge / Wipe	ANALYSES (check anaylsis): TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Pesticides 8081/8270/608 (circle)	PCBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. (Gasoline)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	TRPH 418.1, O&G 413.1, 1664 (circle)	COD, NH_3, TOC, TP (circle)	AIK, BOD, pH, TDS, TSS (circle)	DISSOLVED METHANE	N2	CL				For Laboratory use only
MW-1	3-17-09	1020	6									X								X	X	X				01
MW 2		1100										X								X	X	X				02
MW 26		1130										X								X	X	X				03
MW 24		1240										X								X	X	X				04
MW 25		1030										X								X	X	X				05
MW 11		1040										X								X	X	X				06
MW 12		1055										X								X	X	X				07
MW 9		1120										X								X	X	X				08
MW 14		1135										X								X	X	X				09
DCS 1		1230										X								X	X	X				10
Does this analysis involve property transfer? ☐ Yes or ☒ No												A								B	C	D				Sample Fraction

W.O.# 09-1798
B.O.F.# NA
C/S (O) _____
C/S (I) C+, UPS
Cooler Temp. °C 4.2
Seals Present Y / N / NA
Seals Intact Y / N
Samples Pres. Y / N / NA
Headspace Y. / N. NA
By JM

Instructions: METALS SAMPLE NEEDS TO BE FILTERED

** **Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time
Jess Vann	3-17-09 1530						3-18-09 1130
JESS VANN							

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

Report Results by: _____ (Date)*
Standard 2 working weeks ☒
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

CLIENT INFORMATION

CLIENT OLLSON ASSOCIATES
ADDRESS 826 21½ Rd
CITY GRAND JUNCTION STATE CO ZIP 81505
PHONE 970 263-7800 FAX 970 263-7456 E-mail shall@OAconsulting.com
REPORT BY ☐ MAIL ☐ FAX ☒ PDF ☐ EDD
REPORT CHROMATOGRAMS ☐ YES ☐ NO
REPORT TO (Mr/Ms) STUART HALL
INVOICE TO SGMC
PROJECT I.D. 008-2067
P.O. # _____ EAL QUOTE # _____
Sampler: _____ (sign)

NOTE: *Identify Known Hazards Below*

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1)Drinking Water or 2)Discharge Water or 3) Ground Water (circle one)	MATRIX: Soil / Solid / Air / Gas	MATRIX: Oil / Sludge / Wipe	ANALYSES (check anaylsis): TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Pesticides 8081/8270/608 (circle)	PCBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. (Gasoline)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	TRPH 418.1, O&G 413.1, 1664 (circle)	COD, NH_3, TOC, TP (circle)	Alk, BOD, pH, TDS, TSS (circle)	DISSOLVED METHANE	Na	Cl				For Laboratory use only
DCS0	3-17-09	1230	6										X							X	X	X					11
DCS2	〃	1300	〃										X							X	X	X					12
DCS3	〃	1310	〃										X							X	X	X					13
Does this analysis involve property transfer? ☐ Yes or ☒ No													A							B	C	D					Sample Fraction

W.O.# 09-1798
B.O.F.#
C/S (O)
C/S (I)
Cooler Temp. °C
Seals Present Y / N / NA
Seals Intact Y / N
Samples Pres. Y / N / NA
Headspace Y / N / NA
By

Instructions: METALS SAMPLE NEEDS TO BE FILTERED

** **Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time
JESS YANN	3-17-09 1530						3-18-09 1130

Evergreen Analytical, Inc.

Date: *30-Mar-09*

Lab Order: 09-1798
Client Project ID 008-2067

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.
The temperature of the sample(s) upon arrival was 4.2°C.
Sample(s) were received in good condition, in the proper container, and within holding times.
VOC samples were not preserved.
VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE (QA)

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

CLIENT SERVICES

There are no anomalies to report. AE

GENERAL CHEMISTRY

Chloride : There are no anomalies to report. MM

METALS ANALYSIS

Sodium : There are no anomalies to report. MB

GAS CHROMATOGRAPHY

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

Method RSK-175: A sample duplicate (DUP) was prepared and analyzed instead of a matrix spike duplicate (MSD) due to limited sample. There are no other anomalies to report. VM

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID:	MW 1	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-01
Date Collected:	3/17/09 1020	**Sample Matrix:**	Water
Date Received:	3/18/09		

Dissolved Metals — **Method:** SW6010B — **Analyst:** MAB

	Result	LQL	DF	Units
Sodium	170	0.40	1	mg/L

Aromatic Volatile Organics — **Method:** SW8021B — **Analyst:** JCC

	Result	LQL	DF	Units
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

Anions by IC — **Method:** E300.0 — **Analyst:** BP

	Result	LQL	DF	Units
Chloride	22.4	0.50	1	mg/L

RSKSOP-175M Headspace — **Method:** RSKSOP175M — **Analyst:** VM

	Result	LQL	DF	Units
Methane	0.0065	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID: MW 2
Client Project ID: 008-2067
Date Collected: 3/17/09 1100
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-02
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	110	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	93	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	13	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	41.2	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	6.1	0.016	20	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: MW 26
Client Project ID: 008-2067
Date Collected: 3/17/09 1130
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-03
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	91	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	5.0	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.14	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW 24	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-04
Date Collected:	3/17/09 1240	**Sample Matrix:**	Water
Date Received:	3/18/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	42	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	3.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: MW 25
Client Project ID: 008-2067
Date Collected: 3/17/09 1030
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-05
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	34	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	31.2	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: MW 11
Client Project ID: 008-2067
Date Collected: 3/17/09 1040
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-06
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	38	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	31.3	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	0.0073	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: MW 12
Client Project ID: 008-2067
Date Collected: 3/17/09 1055
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-07
Sample Matrix: Water

Dissolved Metals	Method: SW6010B			Analyst: MAB
	Result	**LQL**	**DF**	**Units**
Sodium	83	0.40	1	mg/L

Aromatic Volatile Organics	Method: SW8021B			Analyst: JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

Anions by IC	Method: E300.0			Analyst: BP
	Result	**LQL**	**DF**	**Units**
Chloride	18.3	0.50	1	mg/L

RSKSOP-175M Headspace	Method: RSKSOP175M			Analyst: VM
	Result	**LQL**	**DF**	**Units**
Methane	0.016	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW 9	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-08
Date Collected:	3/17/09 1120	**Sample Matrix:**	Water
Date Received:	3/18/09		

Dissolved Metals — **Method:** SW6010B — **Analyst:** MAB

	Result	LQL	DF	Units
Sodium	61	0.40	1	mg/L

Aromatic Volatile Organics — **Method:** SW8021B — **Analyst:** JCC

	Result	LQL	DF	Units
Benzene	2.3	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

Anions by IC — **Method:** E300.0 — **Analyst:** BP

	Result	LQL	DF	Units
Chloride	27.9	0.50	1	mg/L

RSKSOP-175M Headspace — **Method:** RSKSOP175M — **Analyst:** VM

	Result	LQL	DF	Units
Methane	8.1	0.016	20	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	MW 14	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-09
Date Collected:	3/17/09 1135	**Sample Matrix:**	Water
Date Received:	3/18/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	47	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	1.0	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	27.2	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	7.0	0.016	20	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	DCS 1	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-10
Date Collected:	3/17/09 1230	**Sample Matrix:**	Water
Date Received:	3/18/09		

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	64	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	14.7	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID: DCS 0
Client Project ID: 008-2067
Date Collected: 3/17/09 1230
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-11
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	65	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	14.4	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: DCS 2
Client Project ID: 008-2067
Date Collected: 3/17/09 1300
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-12
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	64	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	14.5	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

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

Client Sample ID: DCS 3
Client Project ID: 008-2067
Date Collected: 3/17/09 1310
Date Received: 3/18/09

Lab Work Order 09-1798
Lab Sample ID: 09-1798-13
Sample Matrix: Water

Dissolved Metals	**Method:** SW6010B			**Analyst:** MAB
	Result	**LQL**	**DF**	**Units**
Sodium	65	0.40	1	mg/L
Aromatic Volatile Organics	**Method:** SW8021B			**Analyst:** JCC
	Result	**LQL**	**DF**	**Units**
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	**Method:** E300.0			**Analyst:** BP
	Result	**LQL**	**DF**	**Units**
Chloride	14.9	0.50	1	mg/L
RSKSOP-175M Headspace	**Method:** RSKSOP175M			**Analyst:** VM
	Result	**LQL**	**DF**	**Units**
Methane	U	0.00080	1	mg/L

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

Definitions: NA - Not Applicable

Print Date: 3/30/2009

Evergreen Analytical, Inc.

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

Client Sample ID: MW 1
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-01A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA006
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

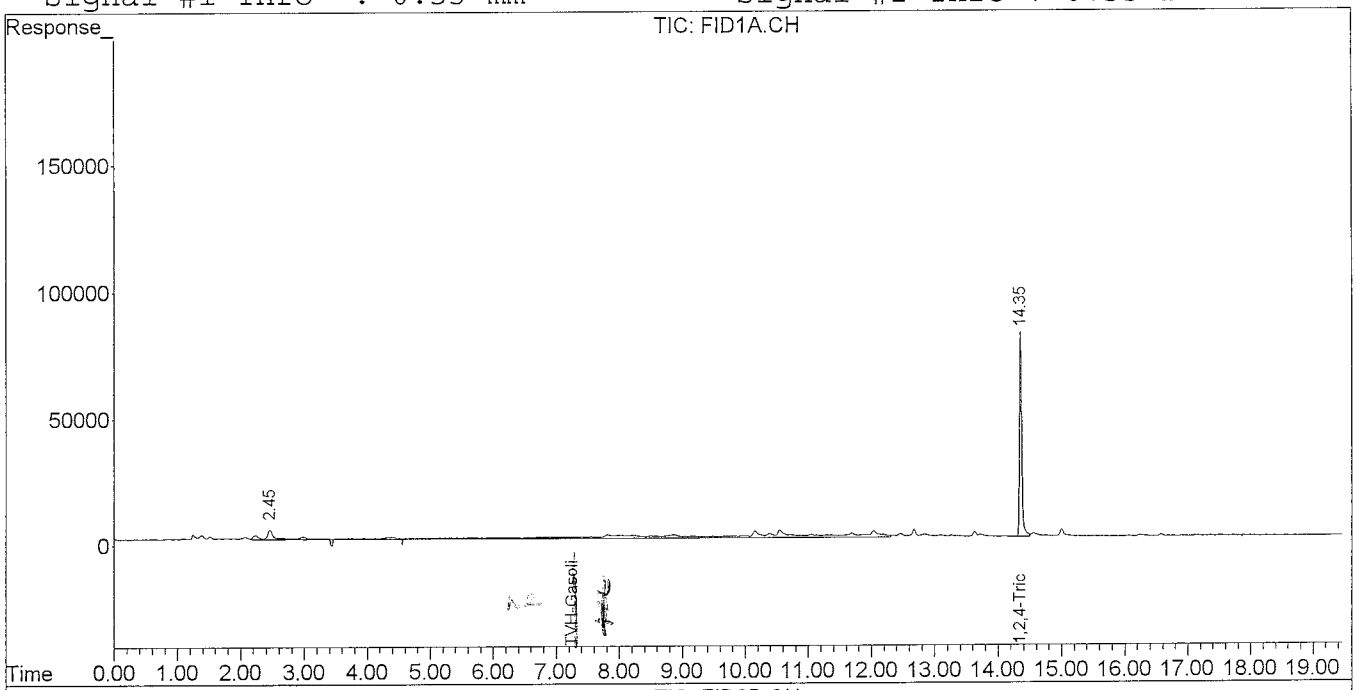
Print Date: 3/20/2009

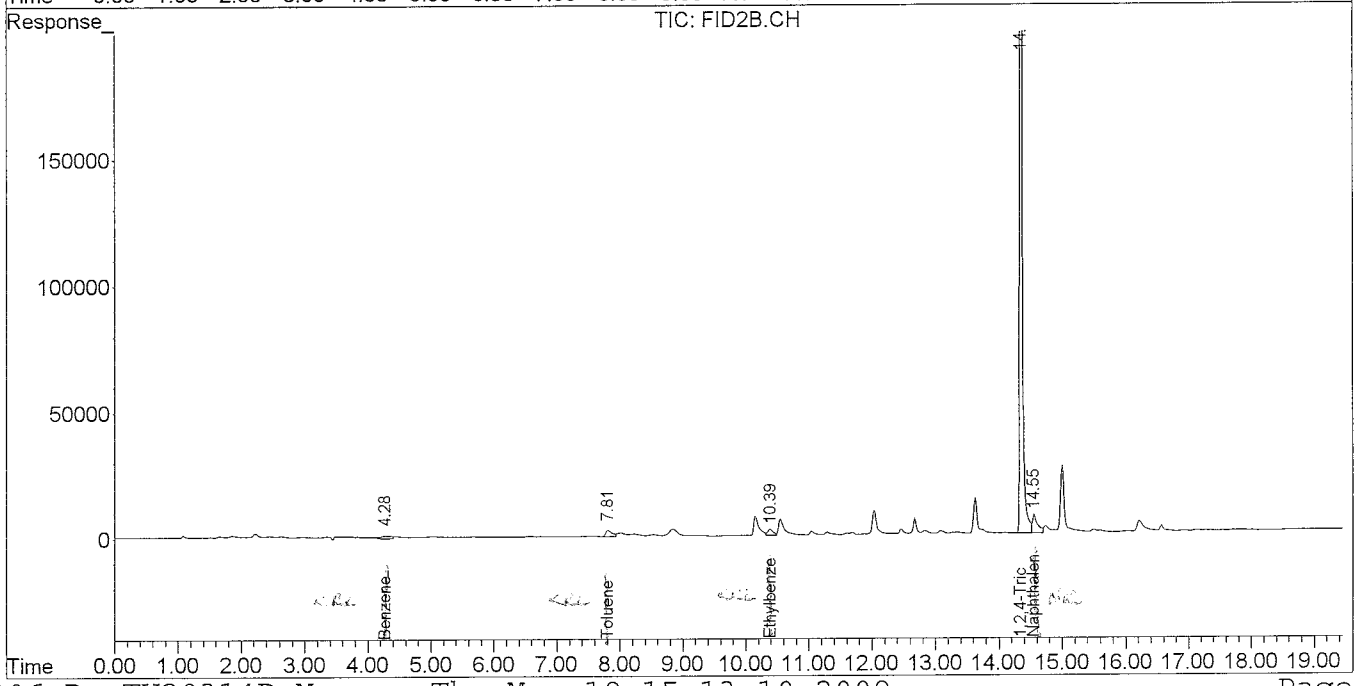
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA006.D\FID1A.CH Vial: 6
Signal #2 : E:\DATA\031909\TA006.D\FID2B.CH
Acq On : 19 Mar 2009 1:16 pm Operator: Jennifer C
Sample : 09-1798-01A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 19 16:15 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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

Client Sample ID:	MW 2	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-02A
Date Collected:	3/17/2009	**Sample Matrix:**	Water
Date Received:	3/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009 **Lab File ID:** 031909\TA009 **Dilution Factor:** 1

Date Analyzed: 3/19/2009 **Method Blank:** MB2031909

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	93		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	13		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	93	**QC Limits:**	60-140	%REC

Analyst Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

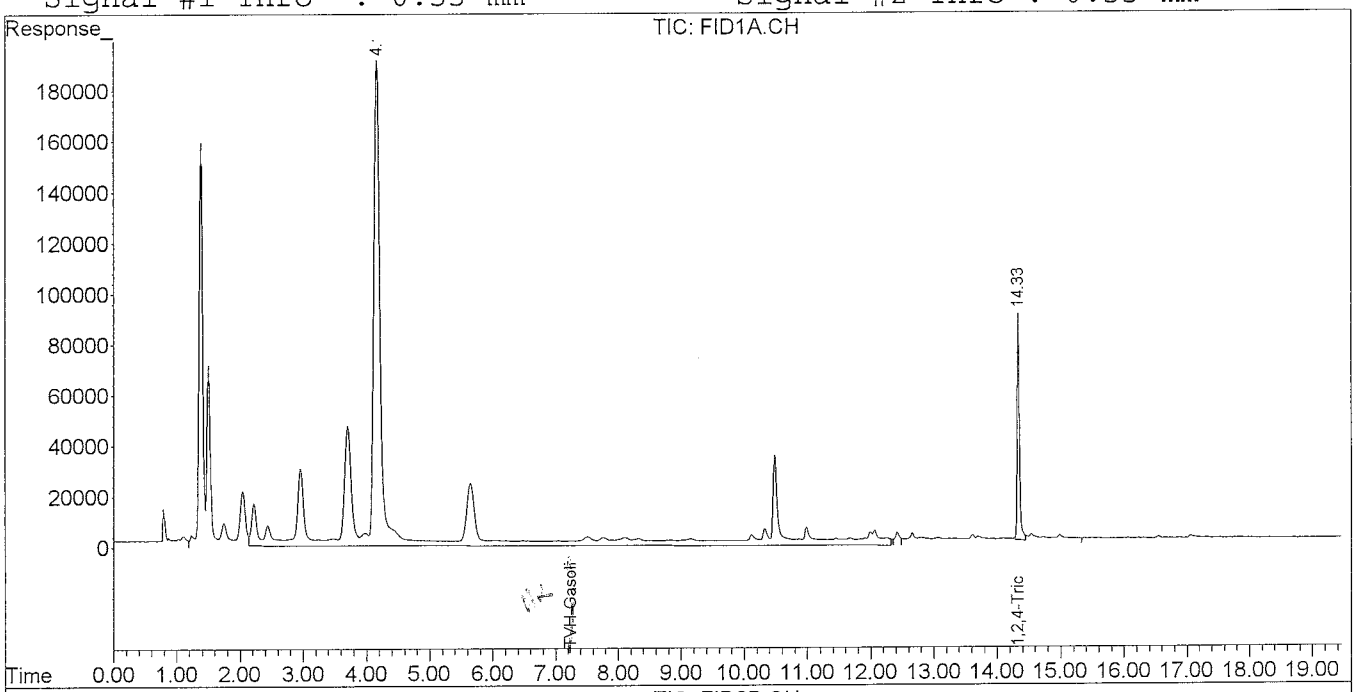
Print Date: 3/20/2009

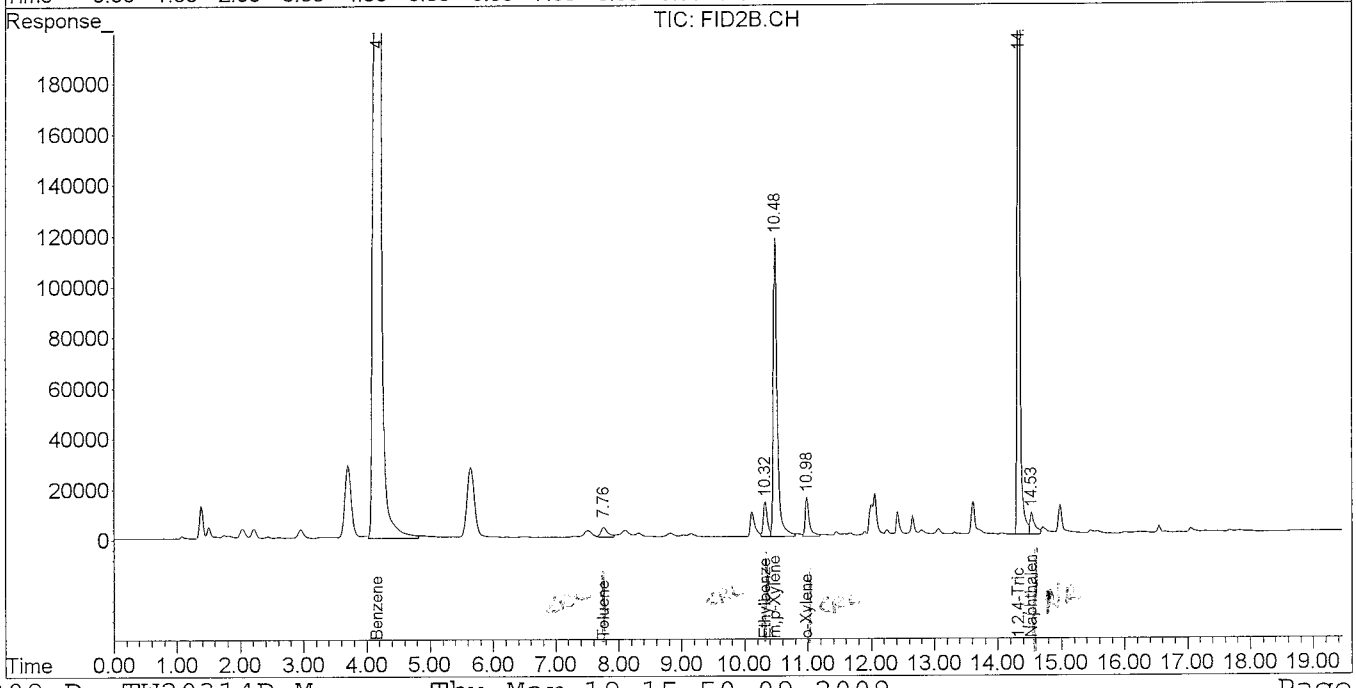
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA009.D\FID1A.CH Vial: 9
Signal #2 : E:\DATA\031909\TA009.D\FID2B.CH
Acq On : 19 Mar 2009 3:01 pm Operator: Jennifer C
Sample : 09-1798-02A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 19 16:52 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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

Client Sample ID: MW 26
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-03A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA010
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	92	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

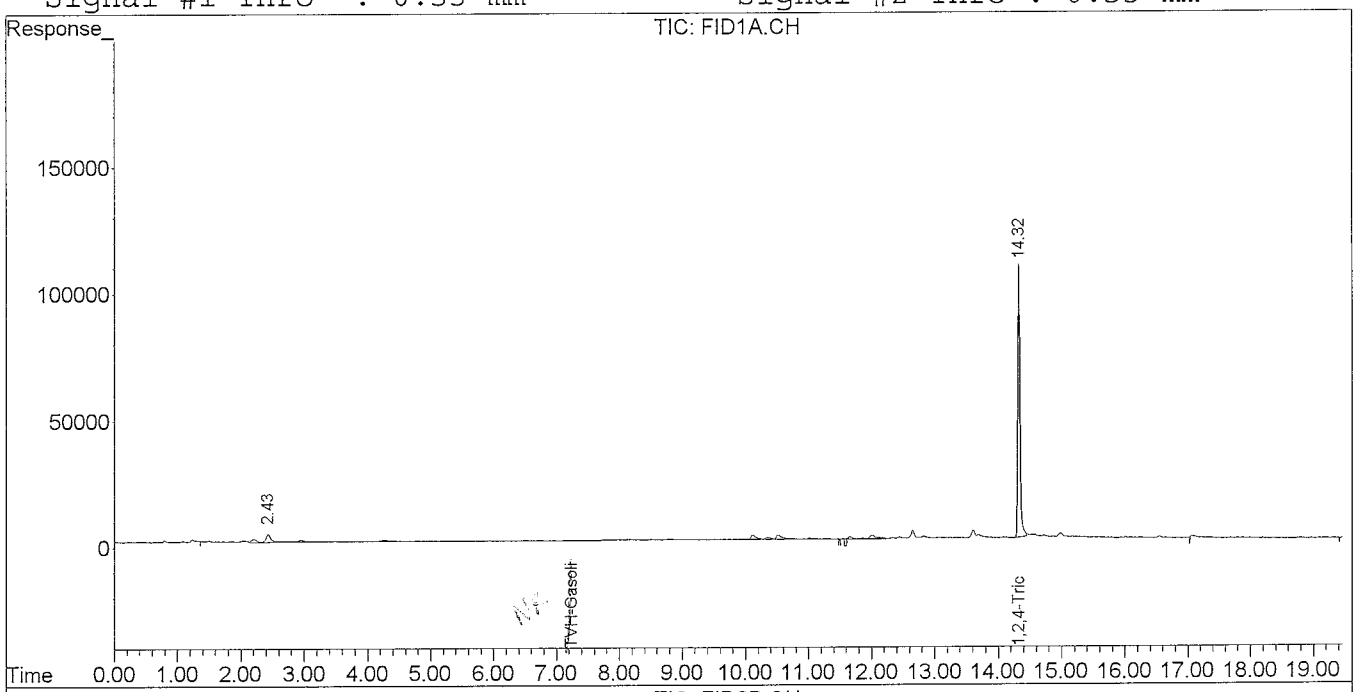
Print Date: 3/20/2009

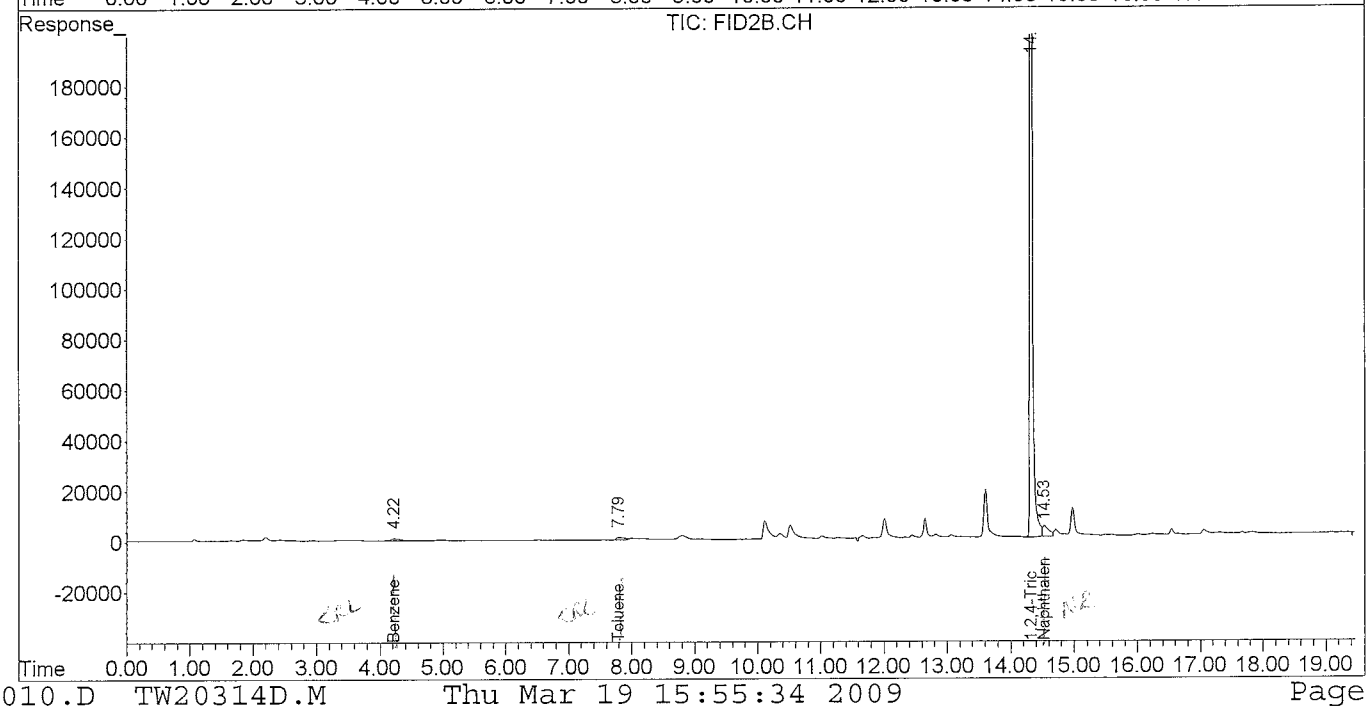
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA010.D\FID1A.CH Vial: 10
Signal #2 : E:\DATA\031909\TA010.D\FID2B.CH
Acq On : 19 Mar 2009 3:37 pm Operator: Jennifer C
Sample : 09-1798-03A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 19 16:58 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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

Client Sample ID:	MW 24	**Lab Work Order**	09-1798
Client Project ID:	008-2067	**Lab Sample ID:**	09-1798-04A
Date Collected:	3/17/2009	**Sample Matrix:**	Water
Date Received:	3/18/2009		

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared:	3/19/2009	**Lab File ID:**	031909\TA011
Date Analyzed:	3/19/2009	**Method Blank:**	MB2031909

Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	91	**QC Limits:**	60-140	%REC

JCC
Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

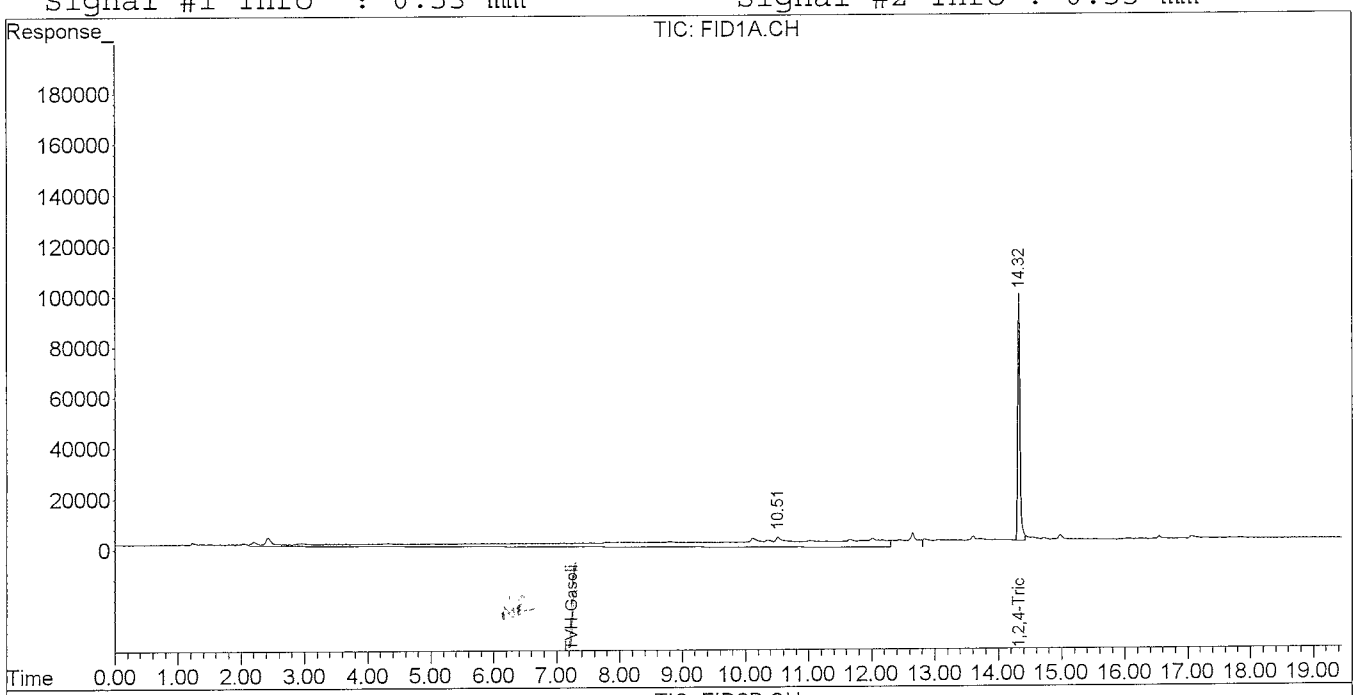
Print Date: 3/20/2009

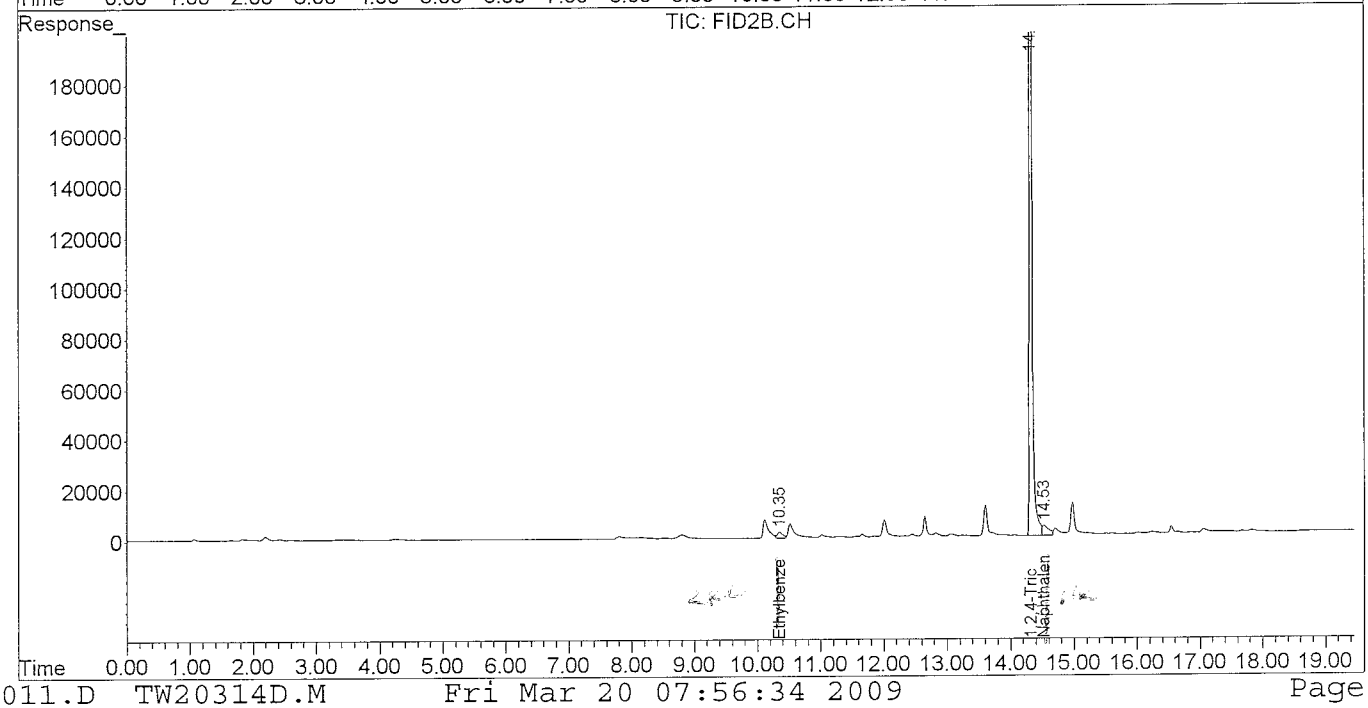
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA011.D\FID1A.CH Vial: 11
Signal #2 : E:\DATA\031909\TA011.D\FID2B.CH
Acq On : 19 Mar 2009 4:12 pm Operator: Jennifer C
Sample : 09-1798-04A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 8:59 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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

Client Sample ID: MW 25
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-05A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA012
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	89	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

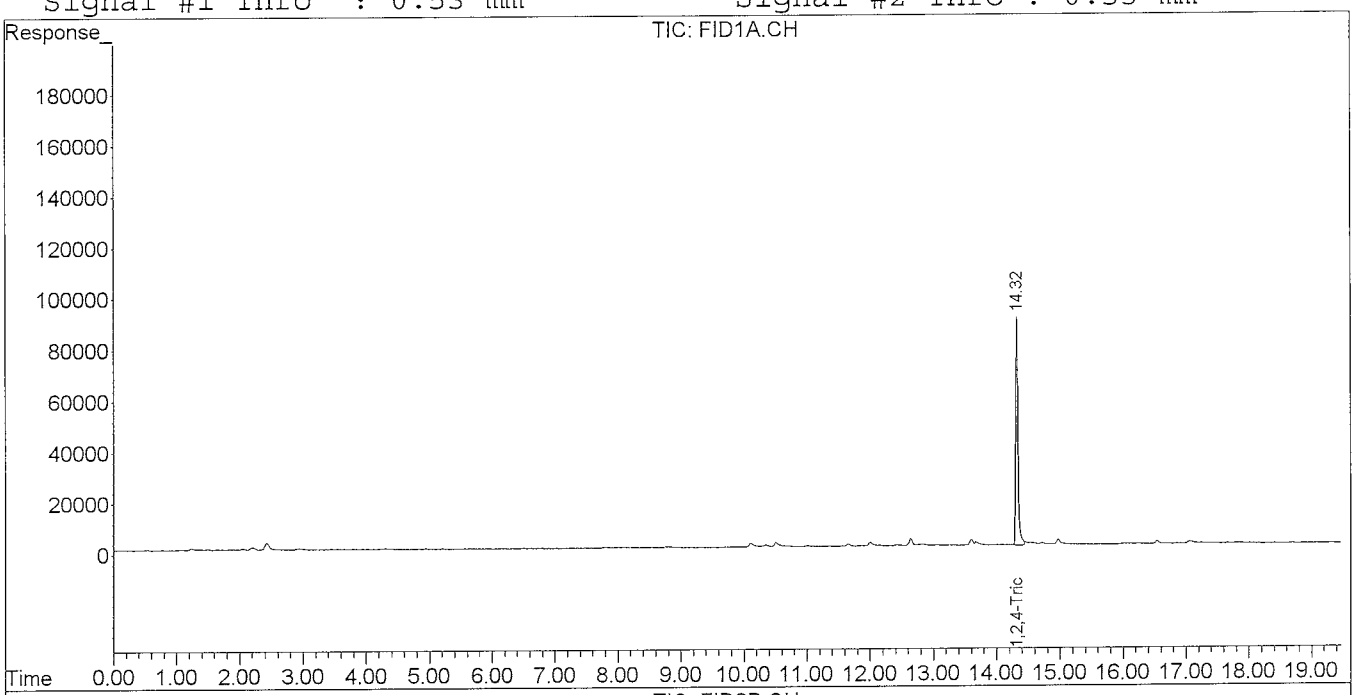
Print Date: 3/20/2009

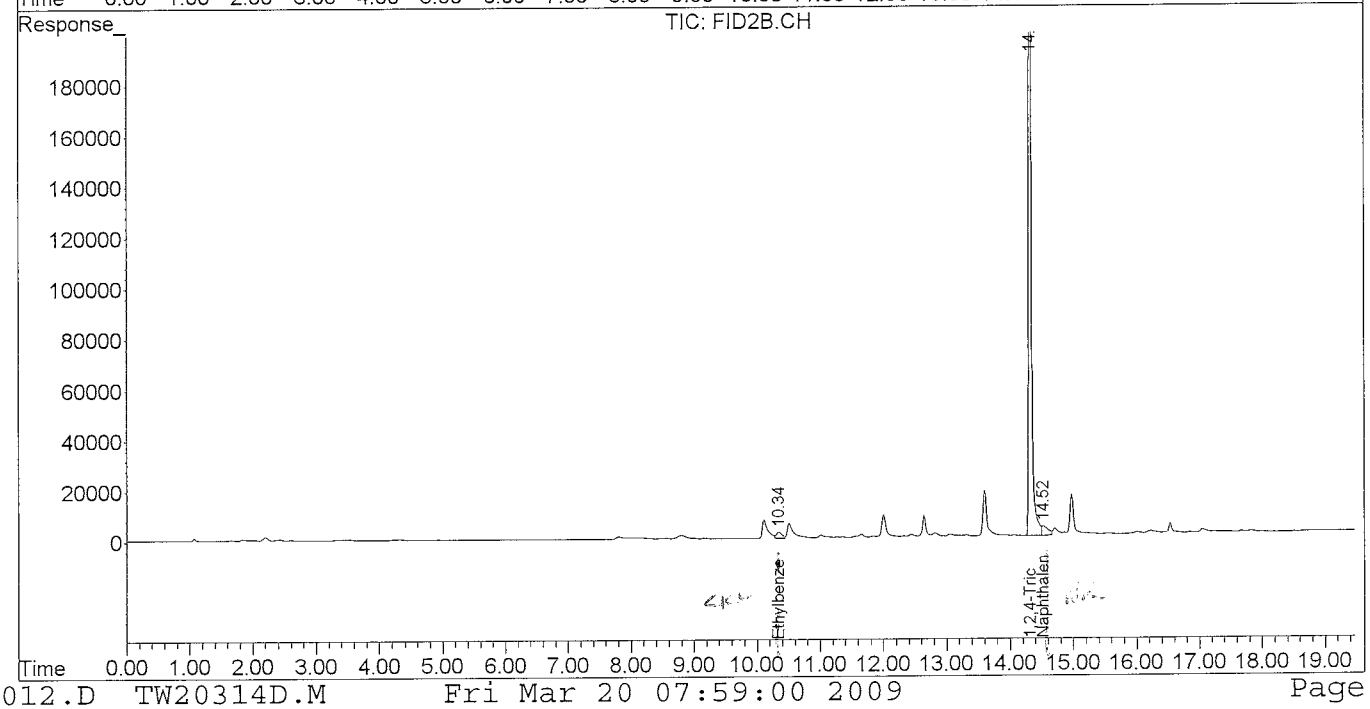
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA012.D\FID1A.CH Vial: 12
Signal #2 : E:\DATA\031909\TA012.D\FID2B.CH
Acq On : 19 Mar 2009 4:48 pm Operator: Jennifer C
Sample : 09-1798-05A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:01 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





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Client Sample ID: MW 11
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-06A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA013
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	93	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

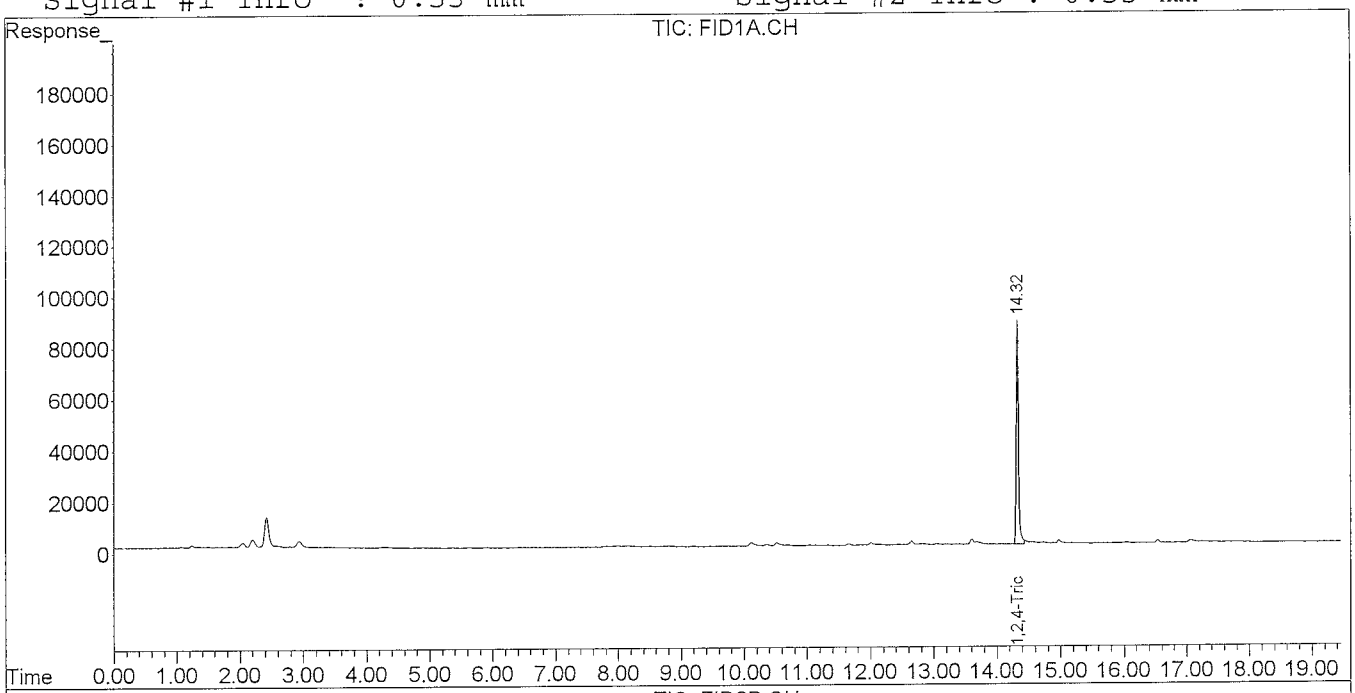
Print Date: 3/20/2009

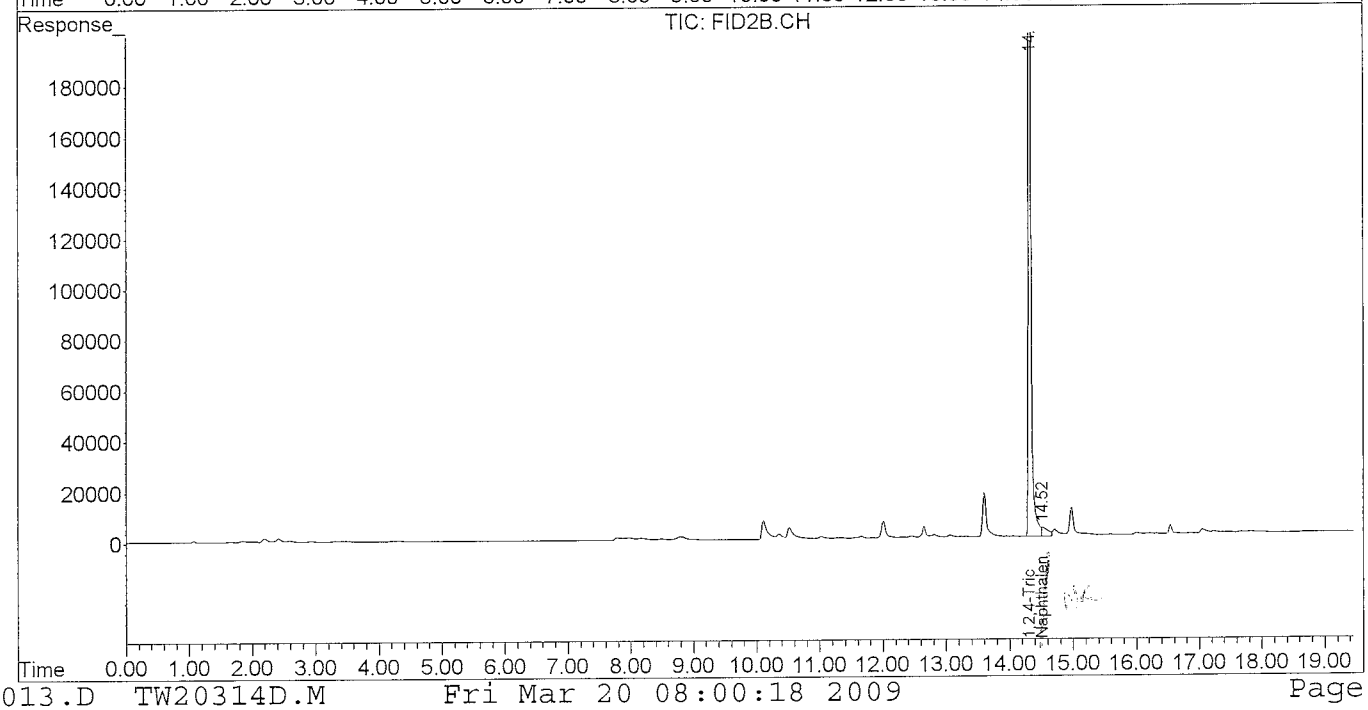
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA013.D\FID1A.CH Vial: 13
Signal #2 : E:\DATA\031909\TA013.D\FID2B.CH
Acq On : 19 Mar 2009 5:23 pm Operator: Jennifer C
Sample : 09-1798-06A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:02 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





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Client Sample ID: MW 12
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-07A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA014
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	91	QC Limits:	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

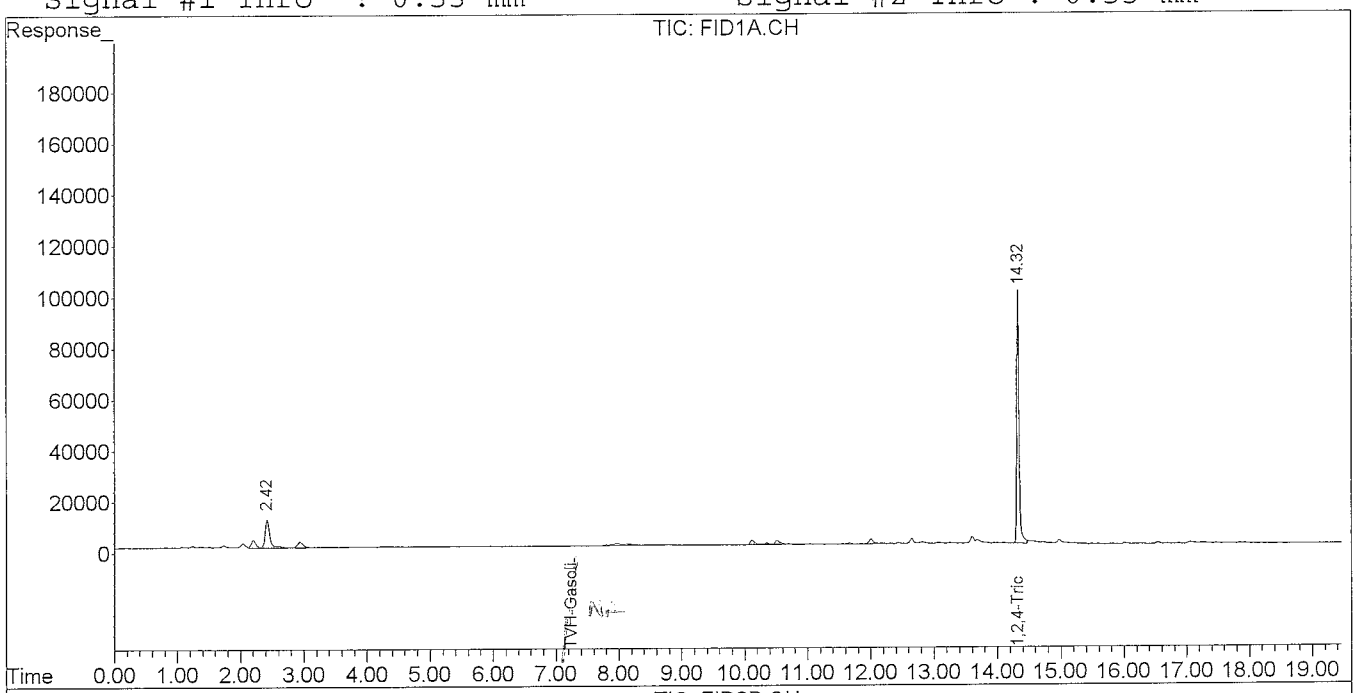
Print Date: 3/20/2009

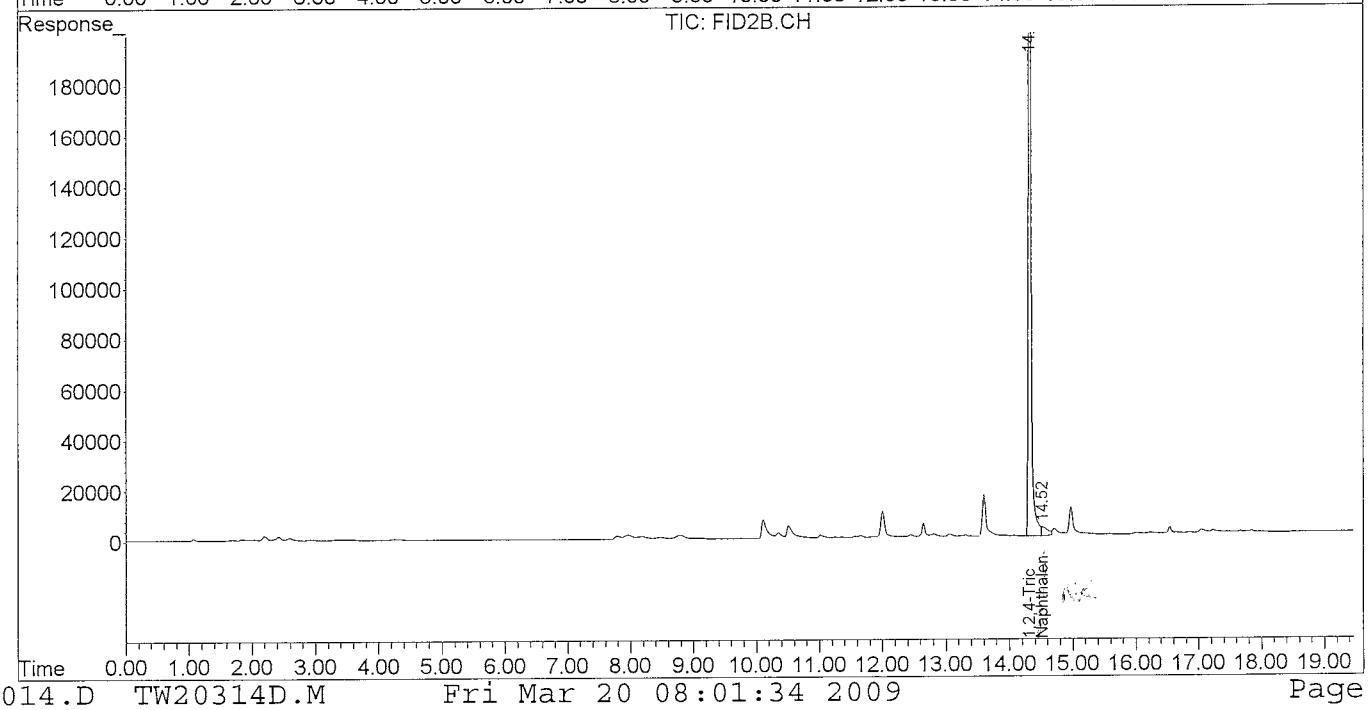
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA014.D\FID1A.CH Vial: 14
Signal #2 : E:\DATA\031909\TA014.D\FID2B.CH
Acq On : 19 Mar 2009 5:59 pm Operator: Jennifer C
Sample : 09-1798-07A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:04 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





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Client Sample ID: MW 9
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-08A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA019
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	2.3		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	90	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

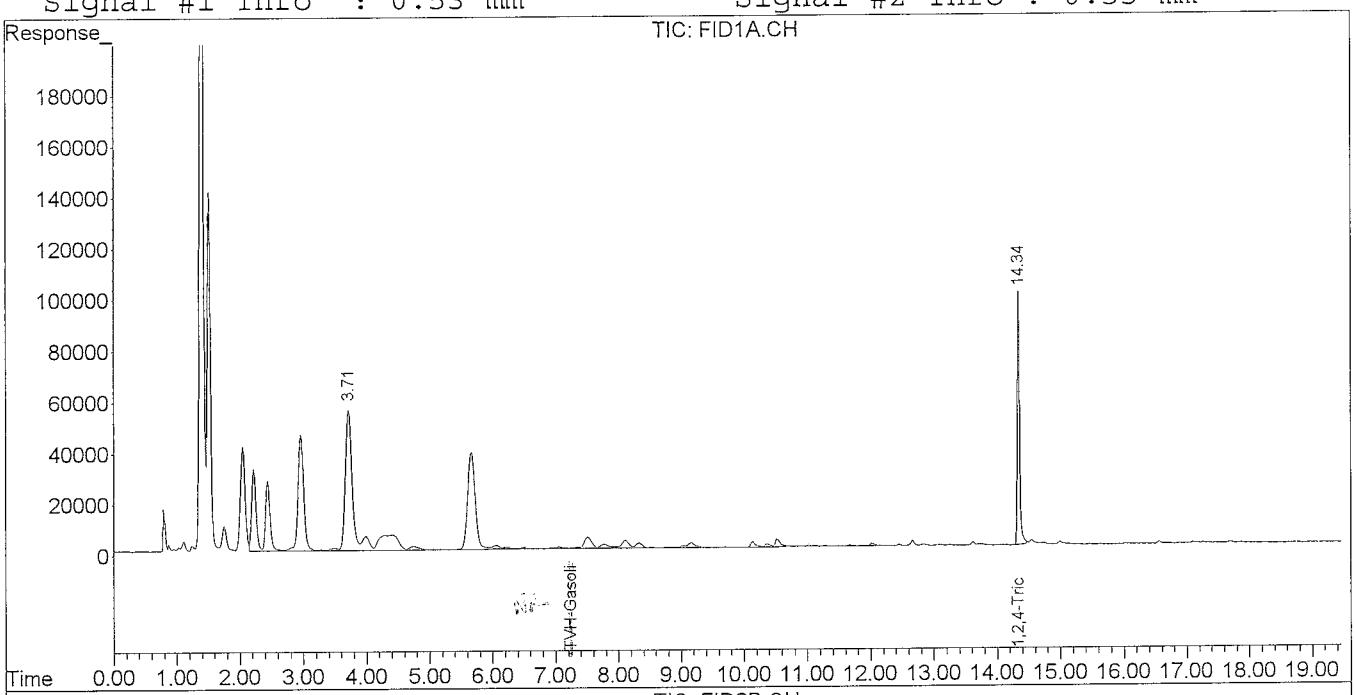
Print Date: 3/20/2009

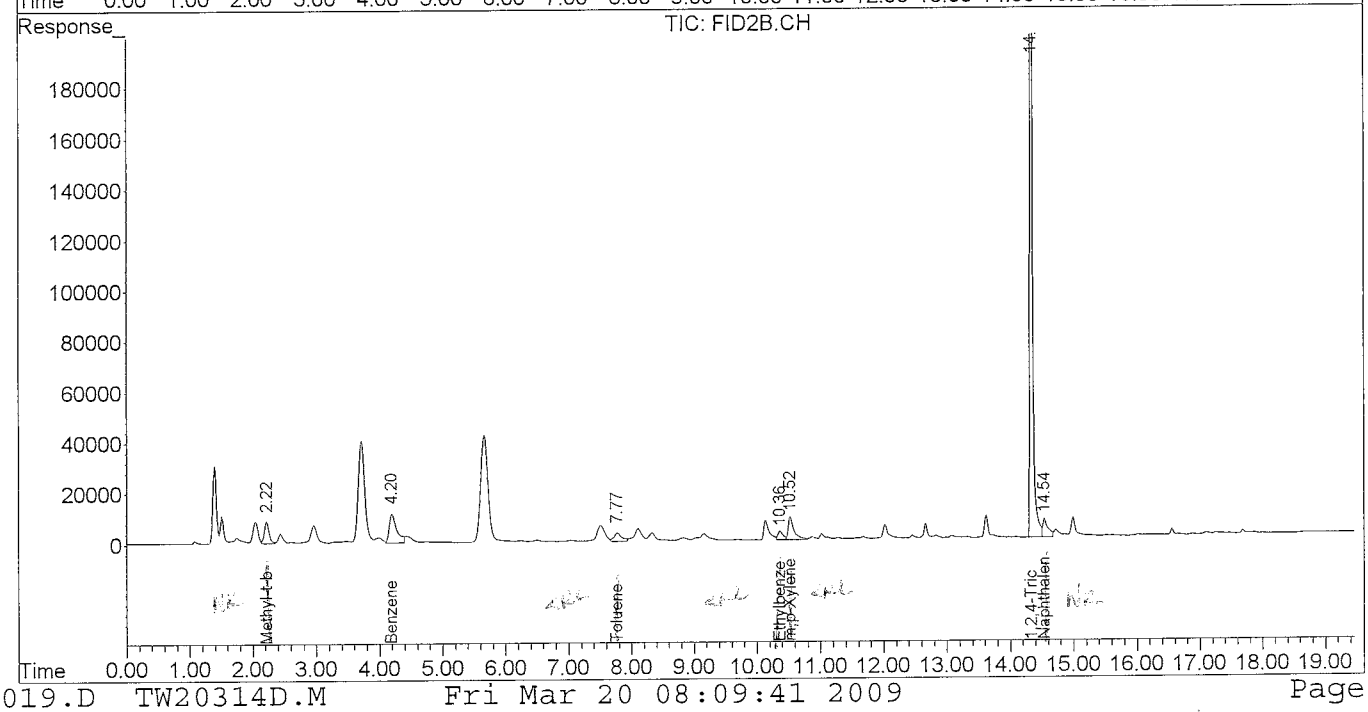
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA019.D\FID1A.CH Vial: 19
Signal #2 : E:\DATA\031909\TA019.D\FID2B.CH
Acq On : 19 Mar 2009 8:55 pm Operator: Jennifer C
Sample : 09-1798-08A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:12 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





JFC 04/03/09

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Client Sample ID: MW 14
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-09A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA020
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	1.0		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	93	QC Limits:	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

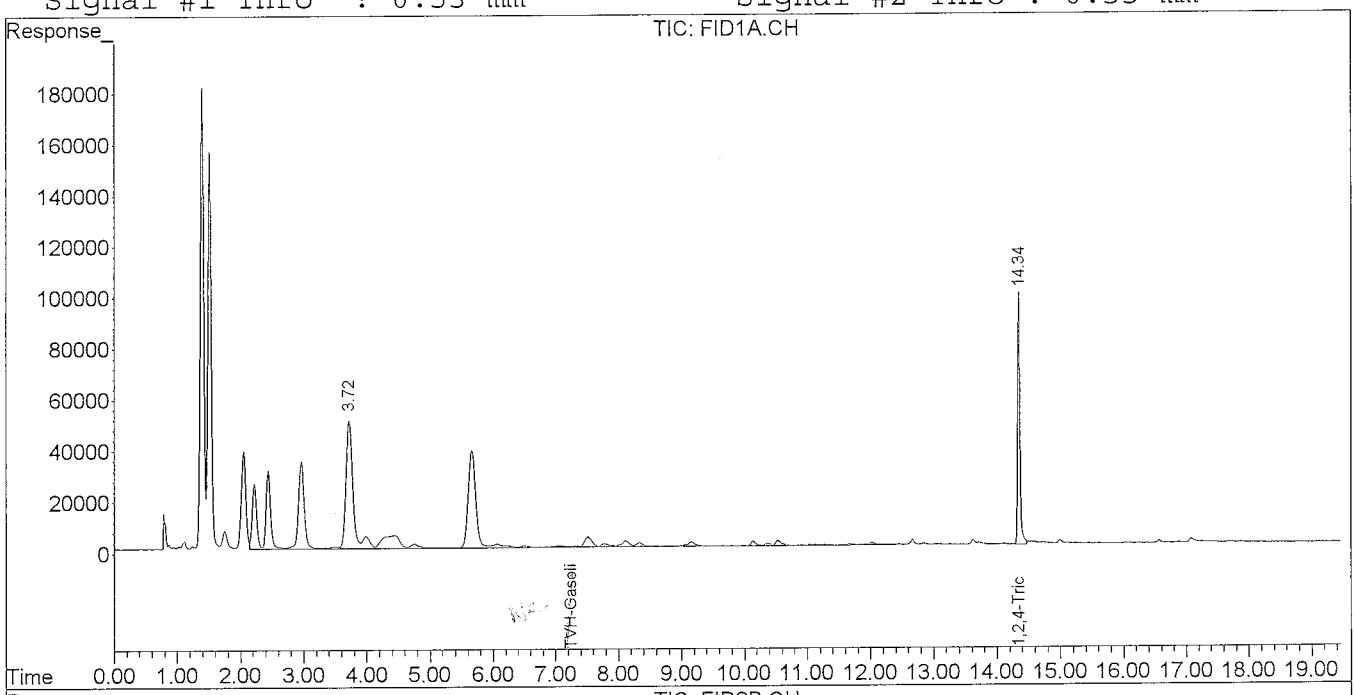
Print Date: 3/20/2009

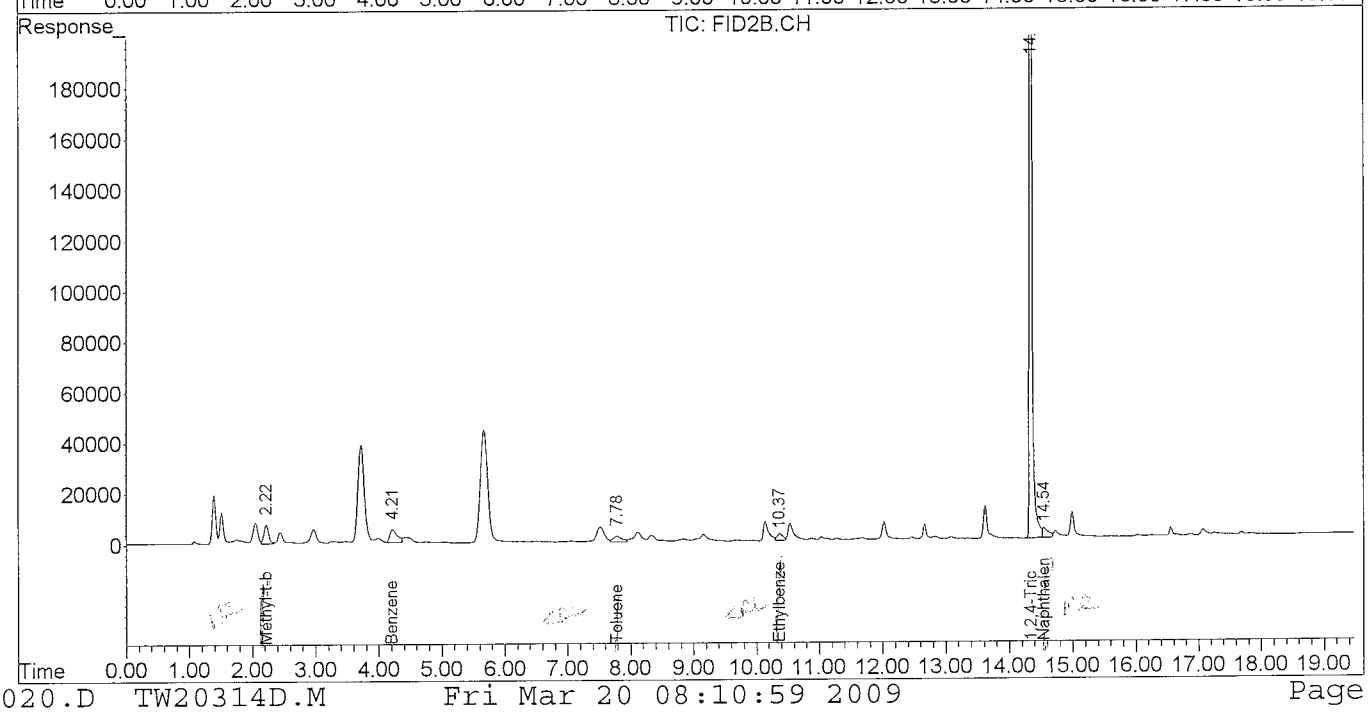
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA020.D\FID1A.CH Vial: 20
Signal #2 : E:\DATA\031909\TA020.D\FID2B.CH
Acq On : 19 Mar 2009 9:30 pm Operator: Jennifer C
Sample : 09-1798-09A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:13 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





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Client Sample ID: DCS 1
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-10A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA021
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	89	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

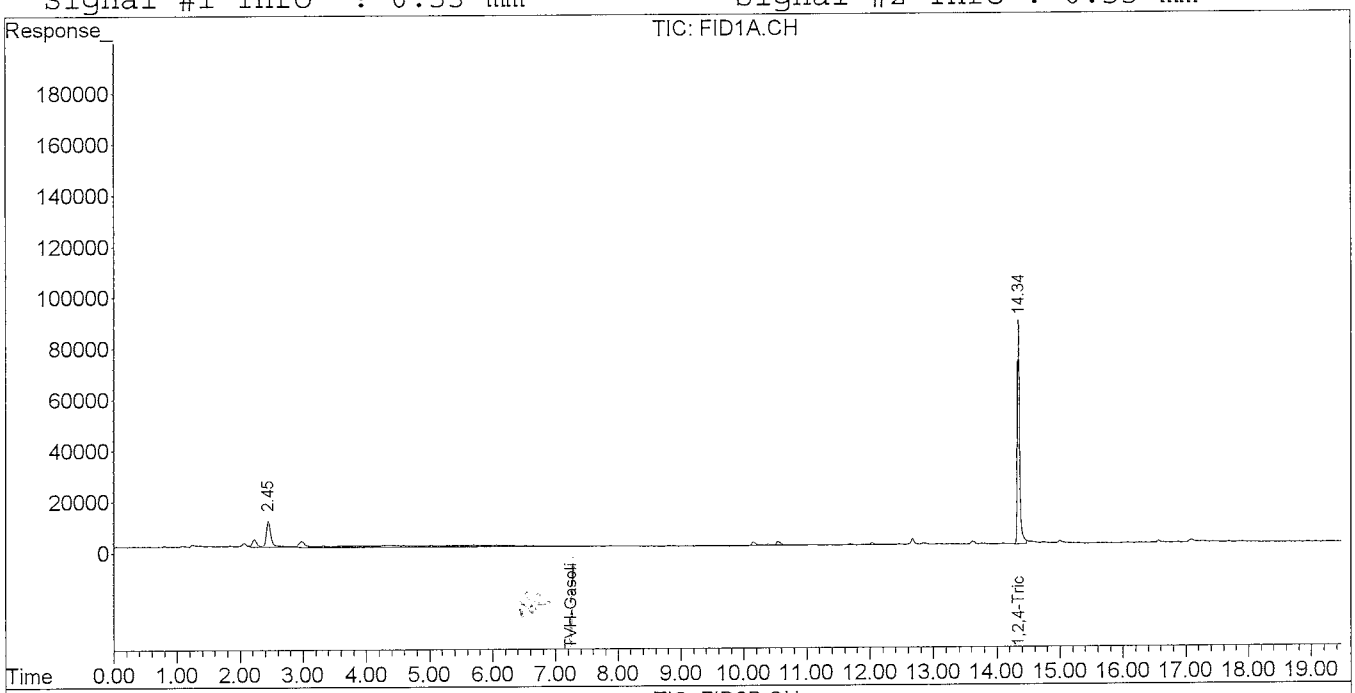
Print Date: 3/20/2009

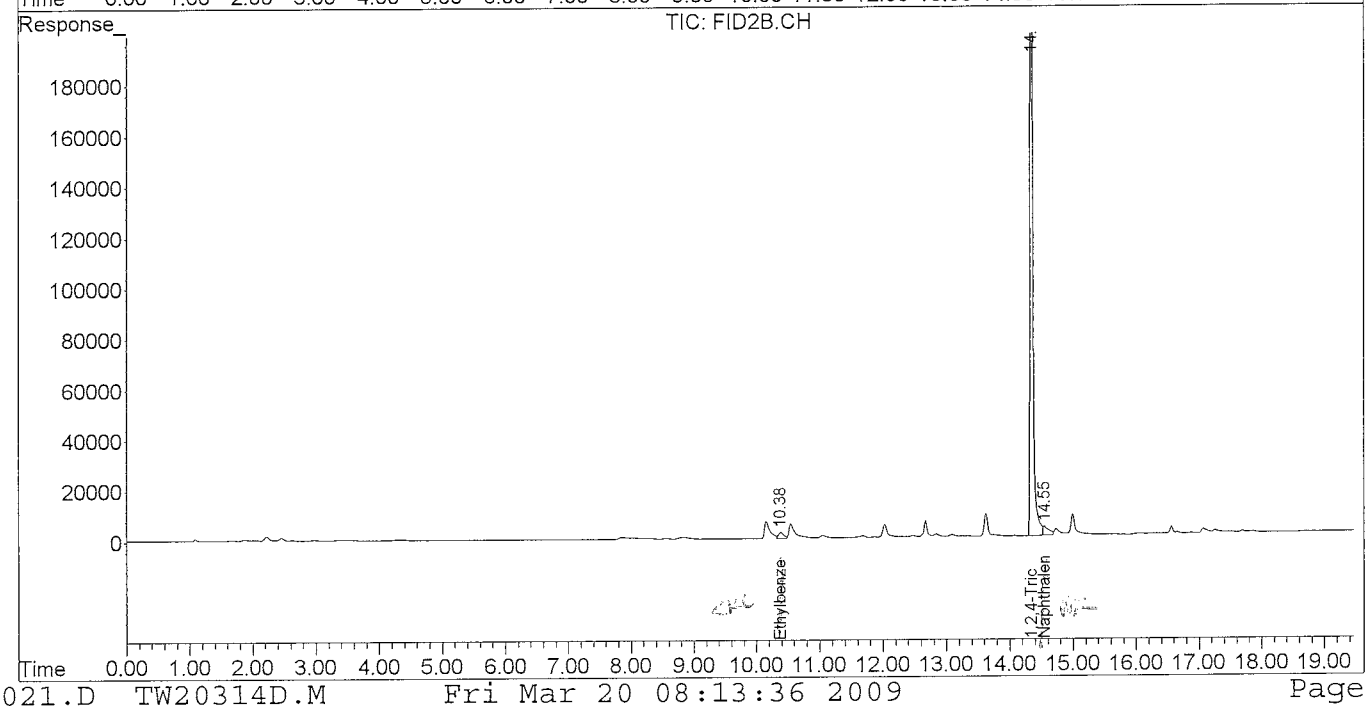
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA021.D\FID1A.CH Vial: 21
Signal #2 : E:\DATA\031909\TA021.D\FID2B.CH
Acq On : 19 Mar 2009 10:05 pm Operator: Jennifer C
Sample : 09-1798-10A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:16 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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Client Sample ID: DCS 0
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-11A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA022
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	90	QC Limits:	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

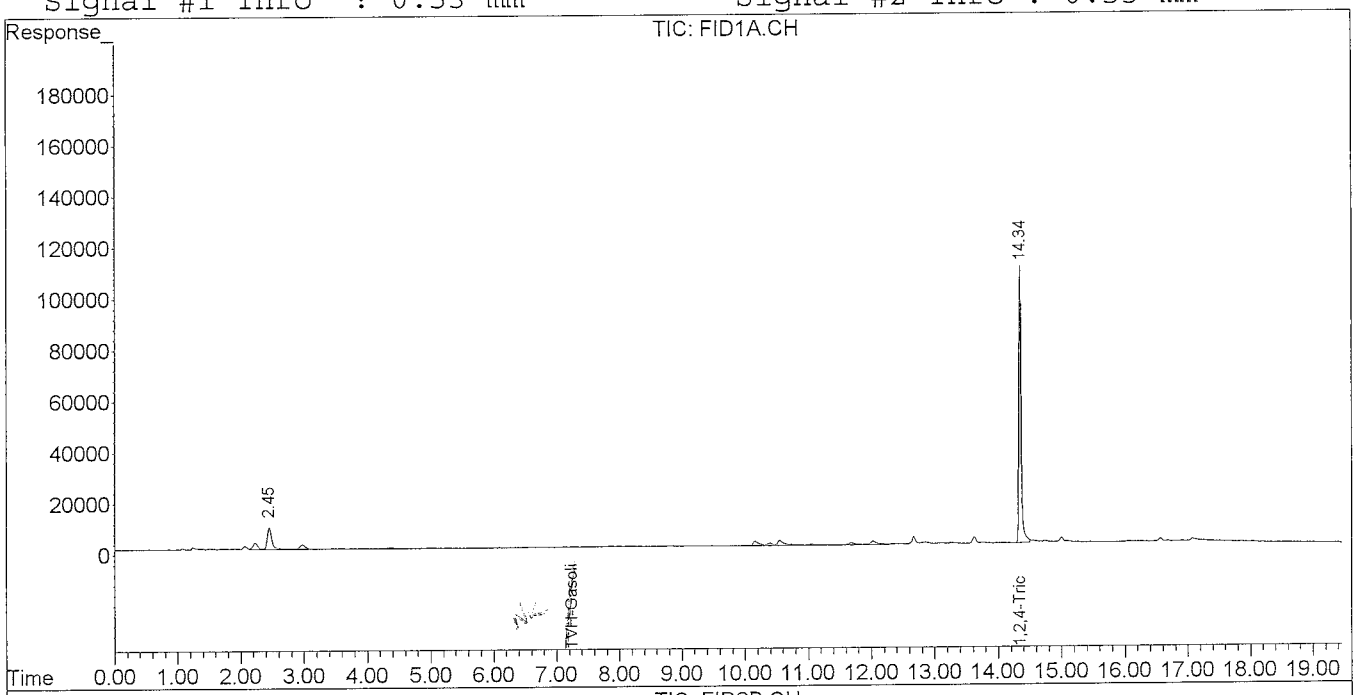
Print Date: 3/20/2009

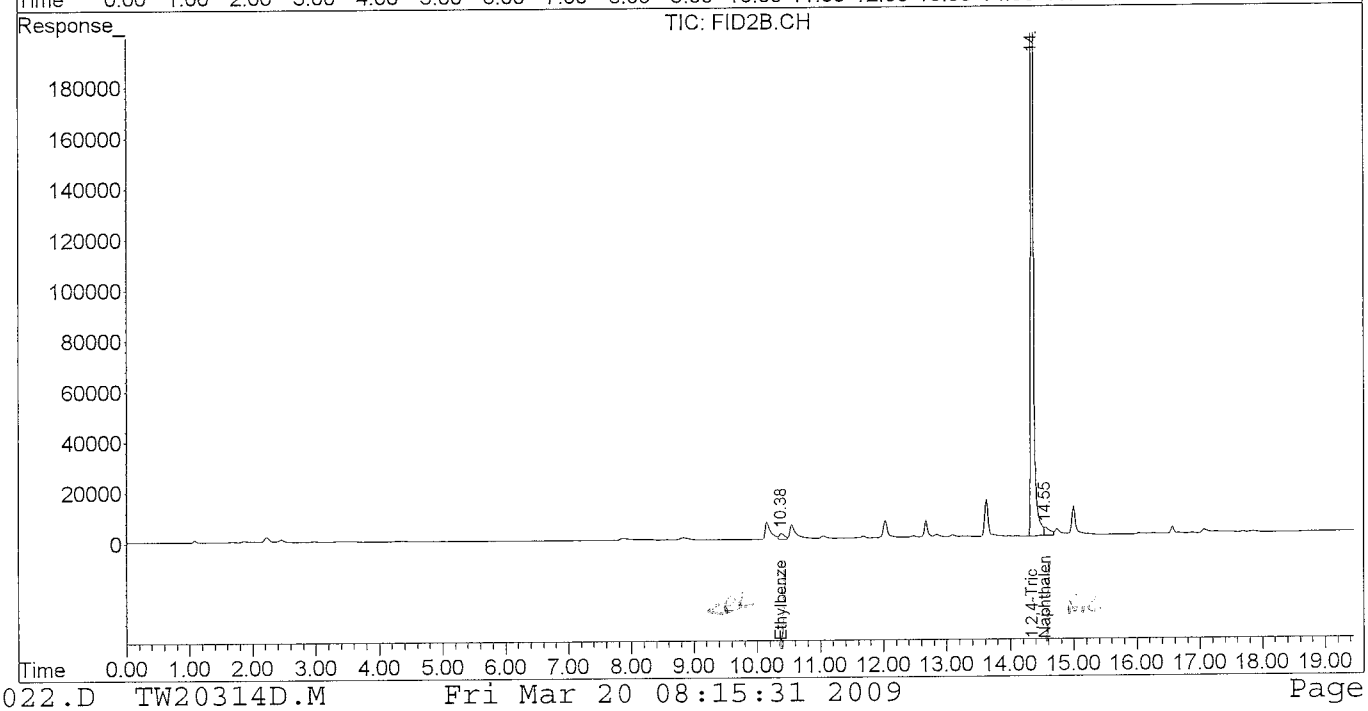
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA022.D\FID1A.CH Vial: 22
Signal #2 : E:\DATA\031909\TA022.D\FID2B.CH
Acq On : 19 Mar 2009 10:40 pm Operator: Jennifer C
Sample : 09-1798-11A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:18 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





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Client Sample ID: DCS 2
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-12A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA023
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	89	**QC Limits:**	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

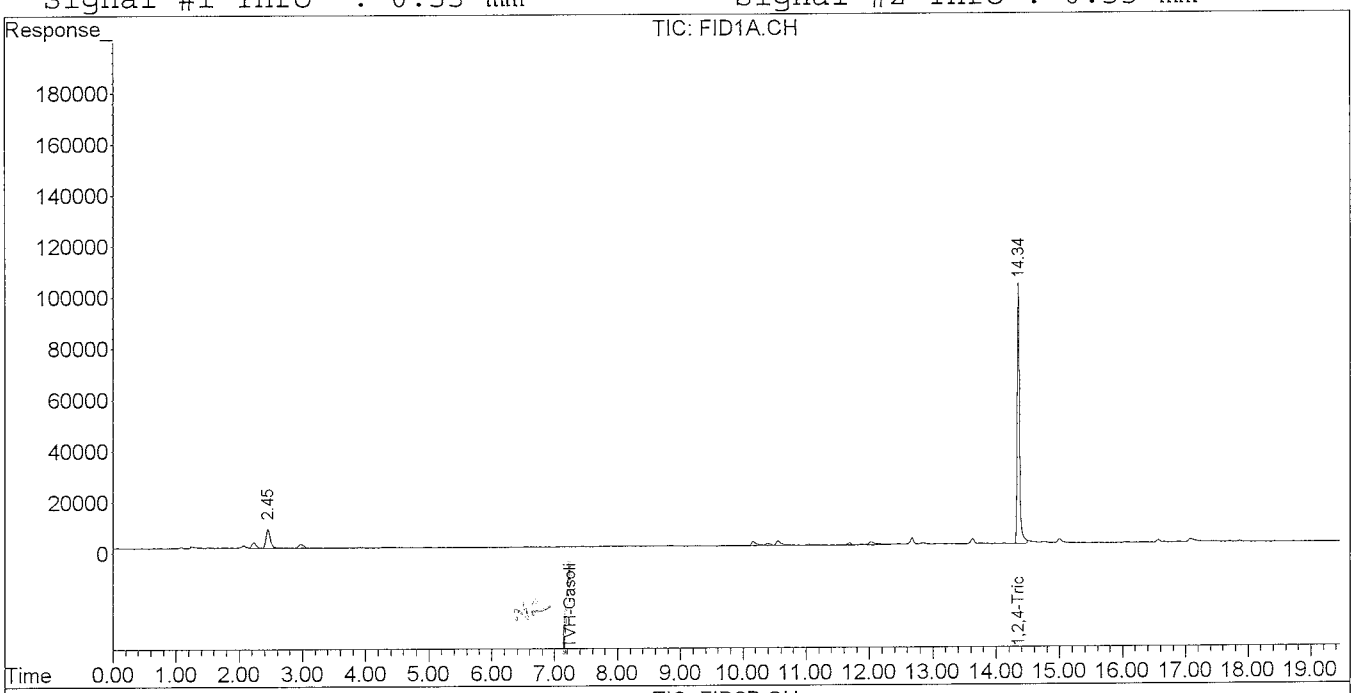
Print Date: 3/20/2009

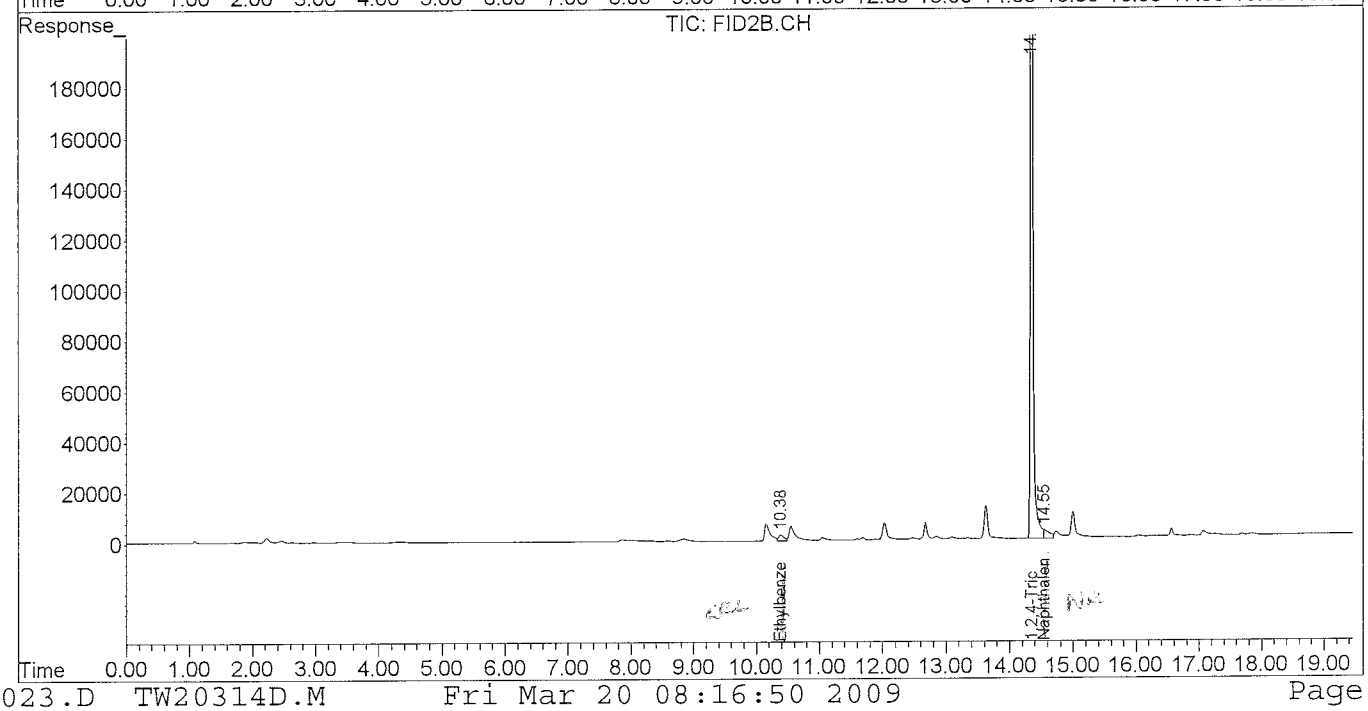
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA023.D\FID1A.CH Vial: 23
Signal #2 : E:\DATA\031909\TA023.D\FID2B.CH
Acq On : 19 Mar 2009 11:15 pm Operator: Jennifer C
Sample : 09-1798-12A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:19 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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(303) 425-6021

Client Sample ID: DCS 3
Client Project ID: 008-2067
Date Collected: 3/17/2009
Date Received: 3/18/2009

Lab Work Order 09-1798
Lab Sample ID: 09-1798-13A
Sample Matrix: Water

AROMATIC VOLATILE ORGANICS

Method: SW8021B **Prep Method: SW5030B**

Date Prepared: 3/19/2009
Date Analyzed: 3/19/2009
Lab File ID: 031909\TA024
Method Blank: MB2031909
Dilution Factor: 1

Analytes	CAS Number	Result		LQL	Units
Benzene	71-43-2	U		1.0	µg/L
Toluene	108-88-3	U		2.0	µg/L
Ethylbenzene	100-41-4	U		2.0	µg/L
m,p-Xylene	1330-20-7	U		2.0	µg/L
o-Xylene	95-47-6	U		2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	89	QC Limits:	60-140	%REC

Analyst

Approved

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

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

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

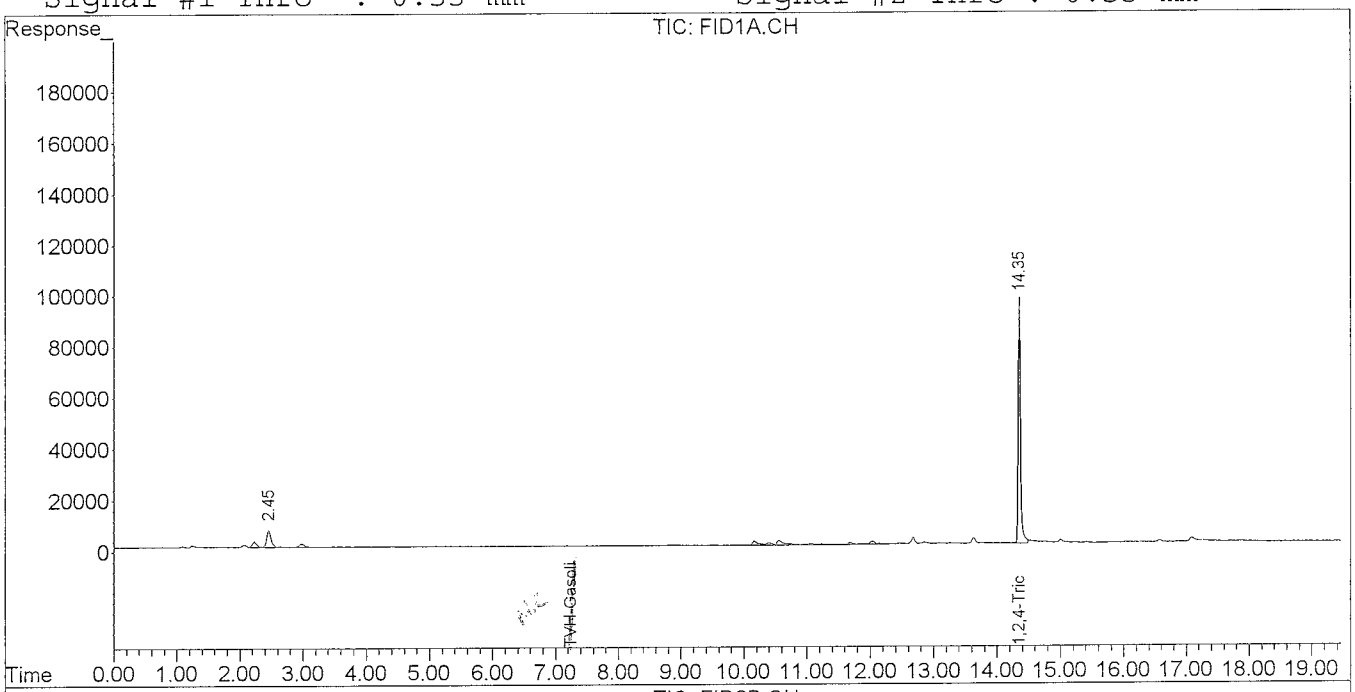
Print Date: 3/20/2009

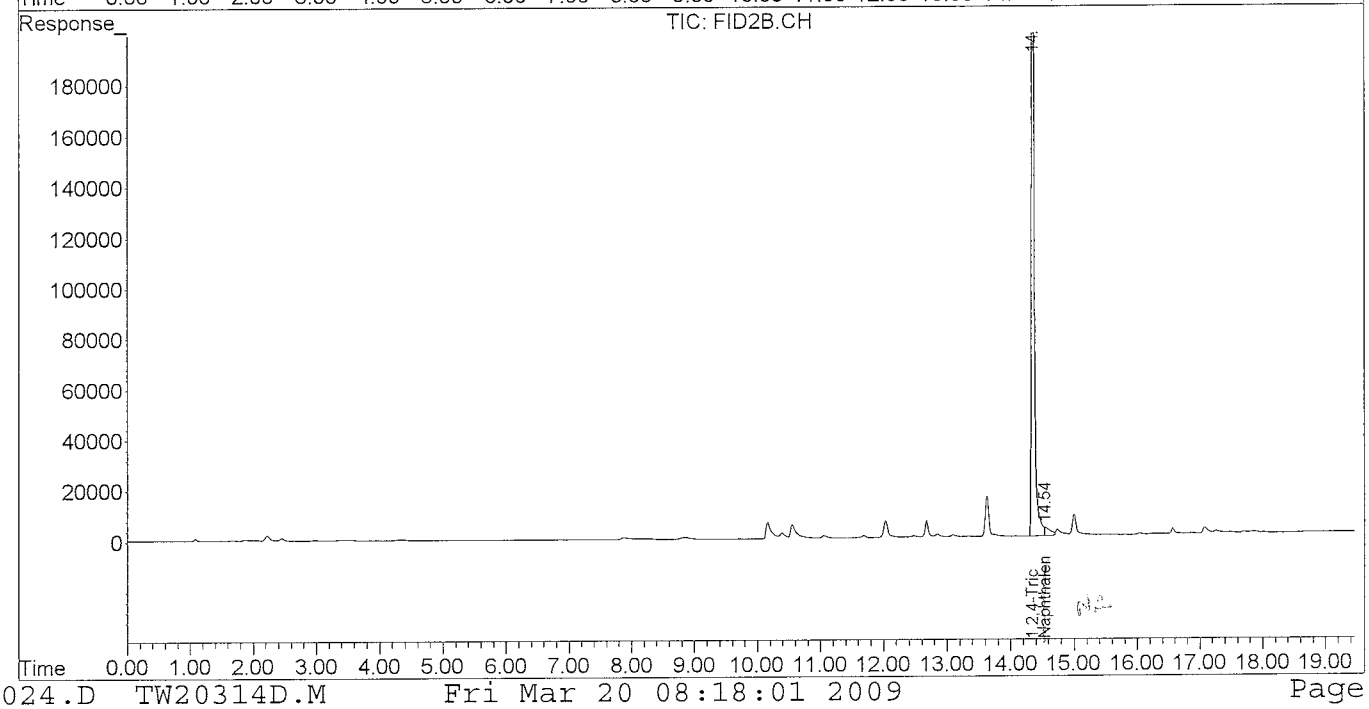
Quantitation Report (Not Reviewed)

Signal #1 : E:\DATA\031909\TA024.D\FID1A.CH Vial: 24
Signal #2 : E:\DATA\031909\TA024.D\FID2B.CH
Acq On : 19 Mar 2009 11:50 pm Operator: Jennifer C
Sample : 09-1798-13A Inst : TVHBTEX2
Misc : SAMP, 8021_W, TVH_W, 1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Mar 20 9:20 2009 Quant Results File: TW20314D.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20314D.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Wed Mar 18 11:41:15 2009
Response via : Multiple Level Calibration
DataAcq Meth : TVB2.M

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





Evergreen Analytical, Inc.

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

Client Project ID 008-2067 **Lab Order:** 09-1798
Units: mg/L

RSKSOP-175M Headspace
Methane

Method: RSKSOP175M **Prep Method: RSKSOP175M**

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
09-1798-01B	MW 1	Water	3/18/09	3/17/09	3/23/09	3/23/09	0.0065	0.00080	1
09-1798-02B	MW 2	Water	3/18/09	3/17/09	3/23/09	3/23/09	6.1	0.016	20
09-1798-03B	MW 26	Water	3/18/09	3/17/09	3/23/09	3/23/09	0.14	0.00080	1
09-1798-04B	MW 24	Water	3/18/09	3/17/09	3/23/09	3/23/09	U	0.00080	1
09-1798-05B	MW 25	Water	3/18/09	3/17/09	3/23/09	3/23/09	U	0.00080	1
09-1798-06B	MW 11	Water	3/18/09	3/17/09	3/23/09	3/23/09	0.0073	0.00080	1
09-1798-07B	MW 12	Water	3/18/09	3/17/09	3/23/09	3/23/09	0.016	0.00080	1
09-1798-08B	MW 9	Water	3/18/09	3/17/09	3/23/09	3/23/09	8.1	0.016	20
09-1798-09B	MW 14	Water	3/18/09	3/17/09	3/23/09	3/23/09	7.0	0.016	20
09-1798-10B	DCS 1	Water	3/18/09	3/17/09	3/23/09	3/23/09	U	0.00080	1
09-1798-11B	DCS 0	Water	3/18/09	3/17/09	3/23/09	3/23/09	U	0.00080	1
09-1798-12B	DCS 2	Water	3/18/09	3/17/09	3/23/09	3/23/09	U	0.00080	1
09-1798-13B	DCS 3	Water	3/18/09	3/17/09	3/23/09	3/23/09	U	0.00080	1

Comments:

VM
Analyst

Approved

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

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

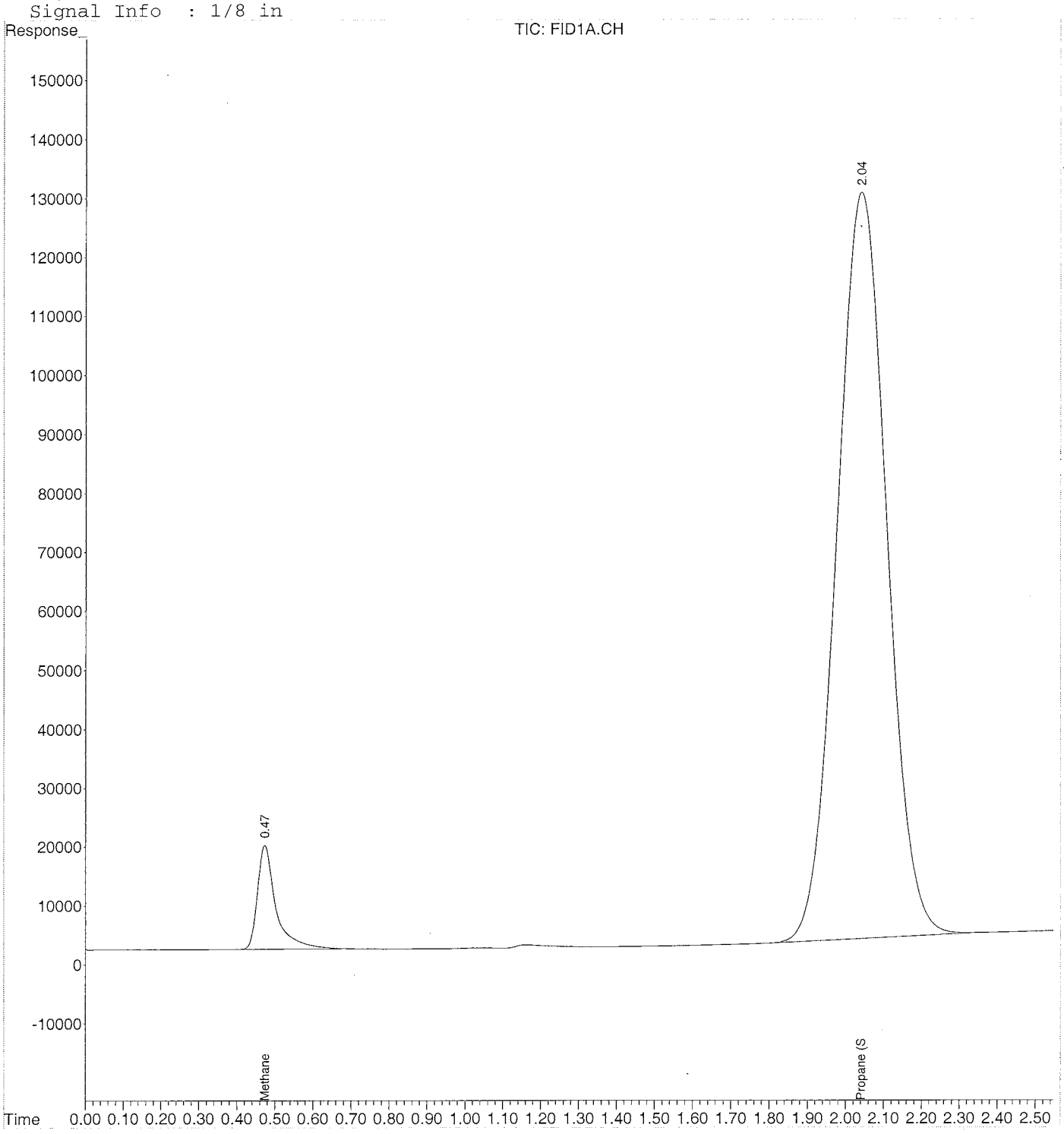
Print Date: 3/24/2009

Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB024.D Vial: 24
Acq On : 23 Mar 2009 4:53 pm Operator: Virginia Meyer
Sample : 09-1798-01B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

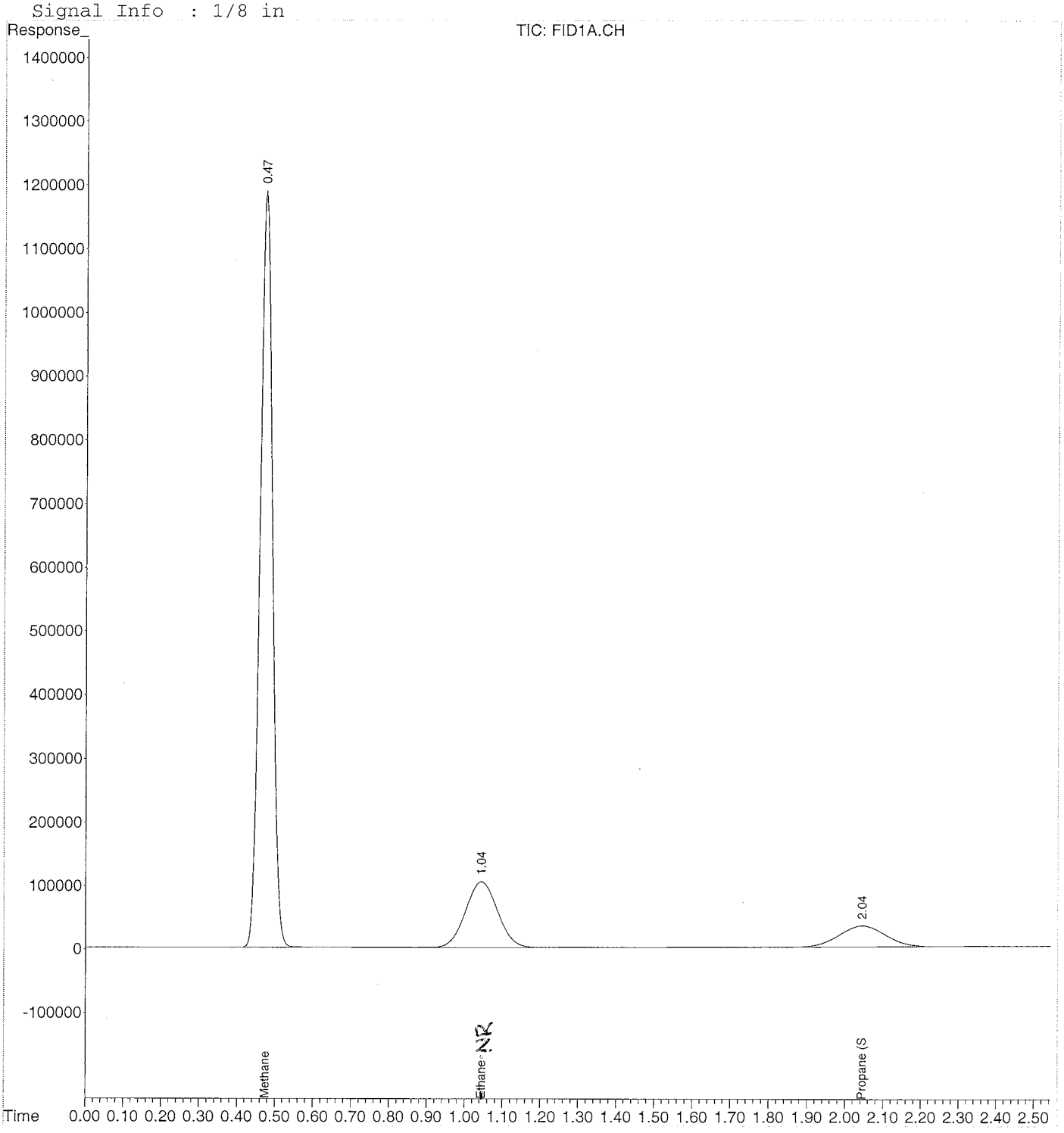


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB026.D Vial: 26
Acq On : 23 Mar 2009 5:01 pm Operator: Virginia Meyer
Sample : 09-1798-02B Inst : FID4
Misc : SAMP, MEEP_W, 20, 25uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



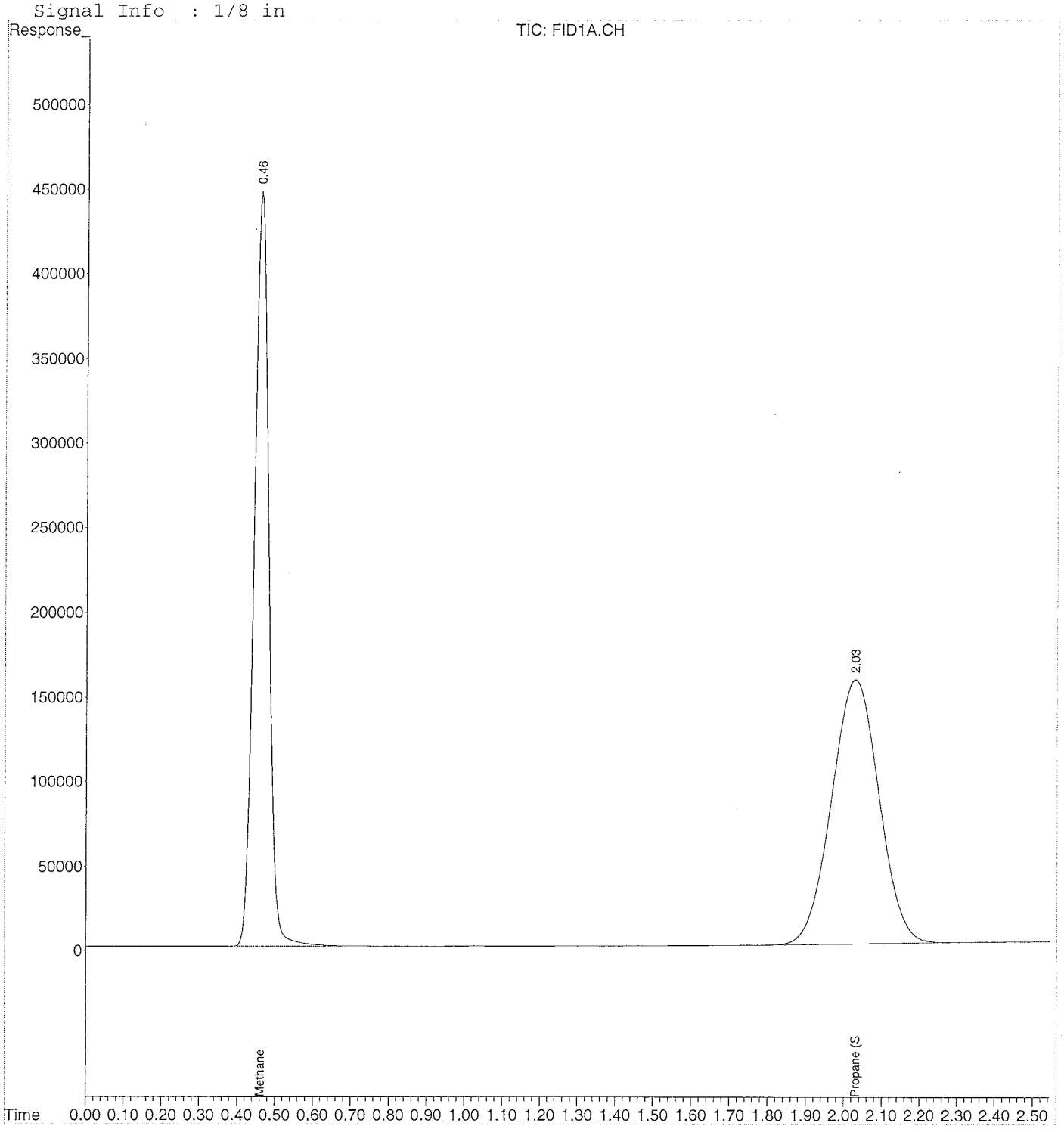
VM 3-24-09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB014.D Vial: 14
Acq On : 23 Mar 2009 3:53 pm Operator: Virginia Meyer
Sample : 09-1798-03B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

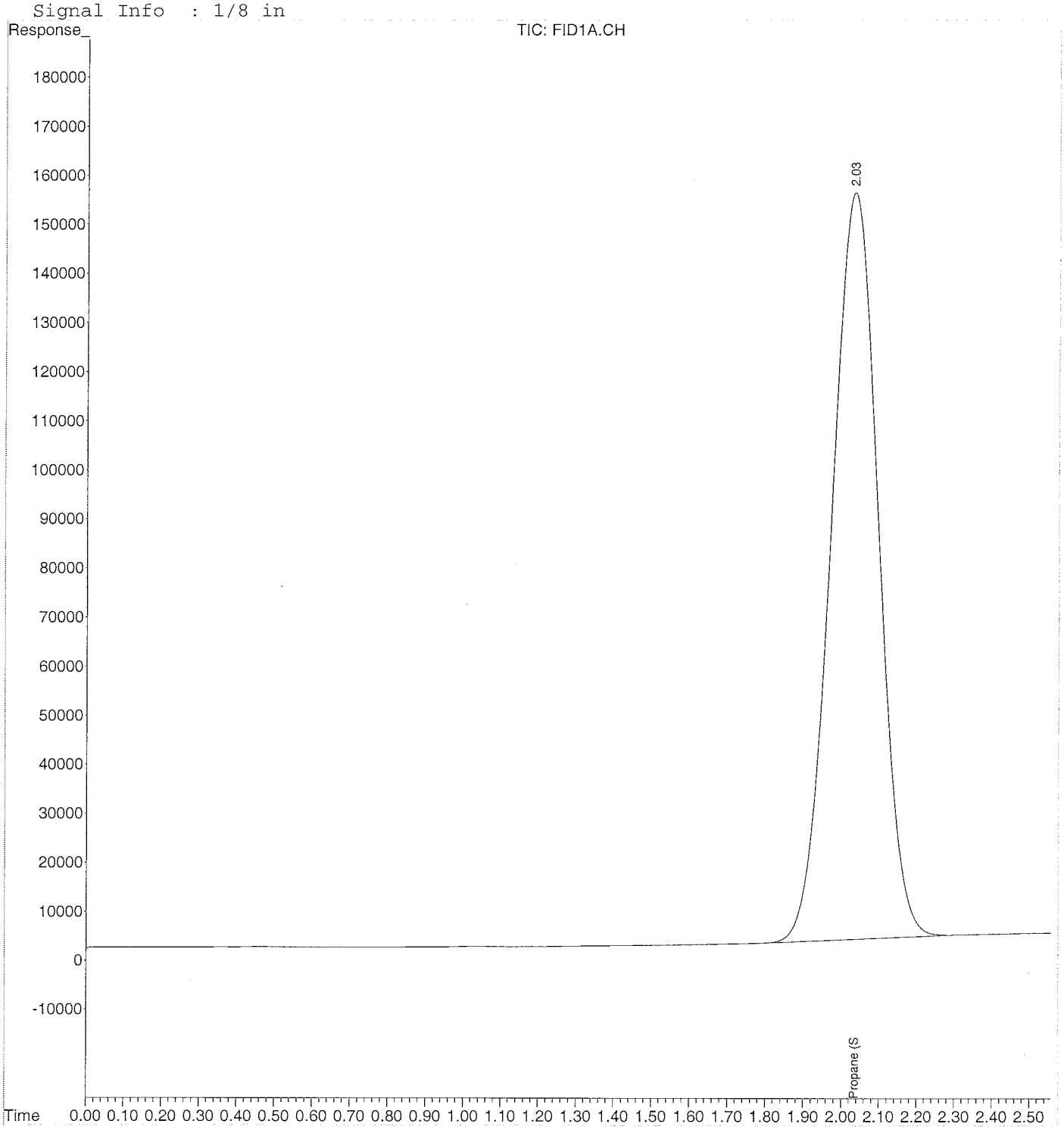


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB015.D Vial: 15
Acq On : 23 Mar 2009 3:59 pm Operator: Virginia Meyer
Sample : 09-1798-04B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

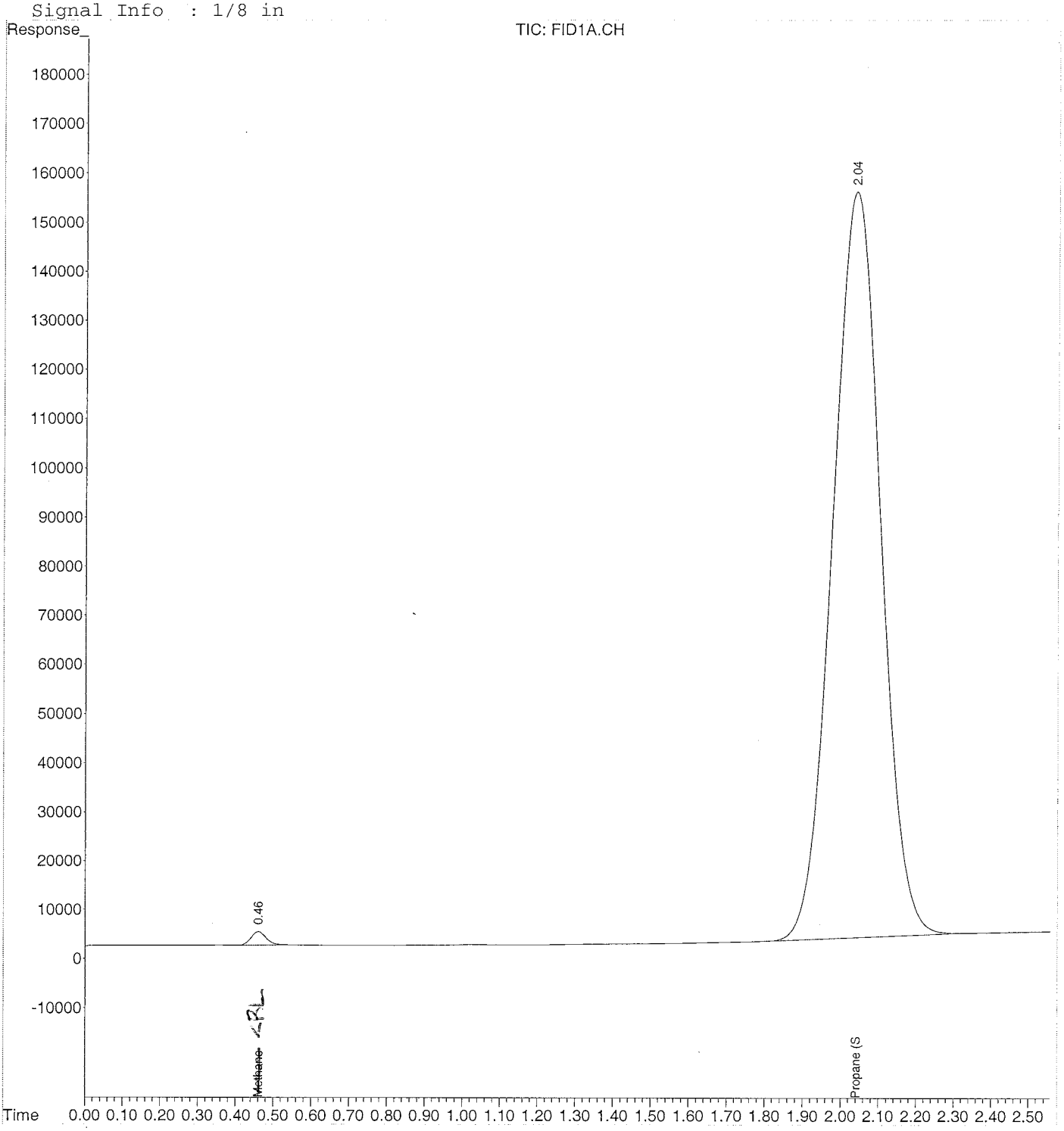


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB016.D Vial: 16
Acq On : 23 Mar 2009 4:03 pm Operator: Virginia Meyer
Sample : 09-1798-05B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



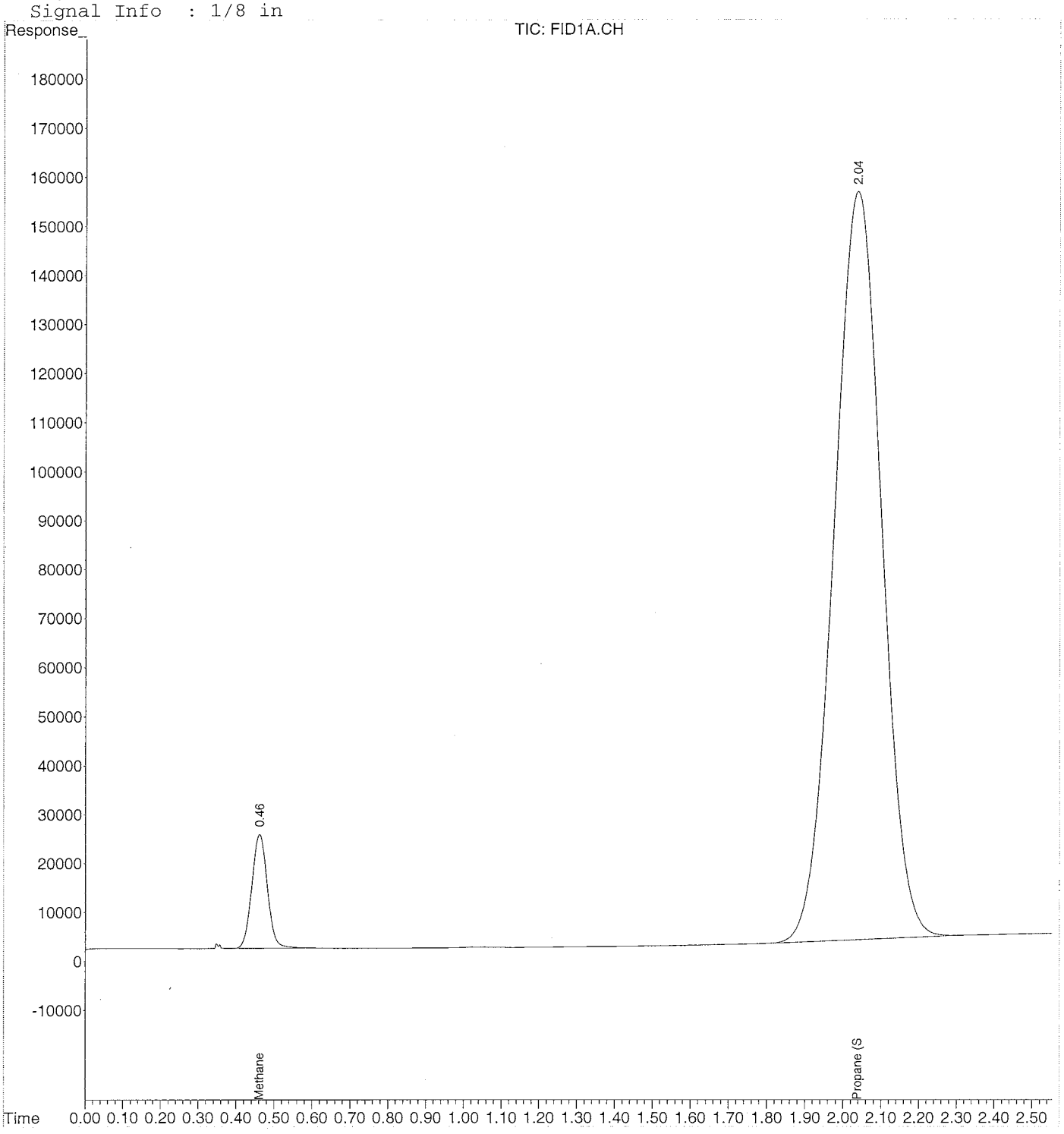
VM 3-24-09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB017.D Vial: 17
Acq On : 23 Mar 2009 4:07 pm Operator: Virginia Meyer
Sample : 09-1798-06B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

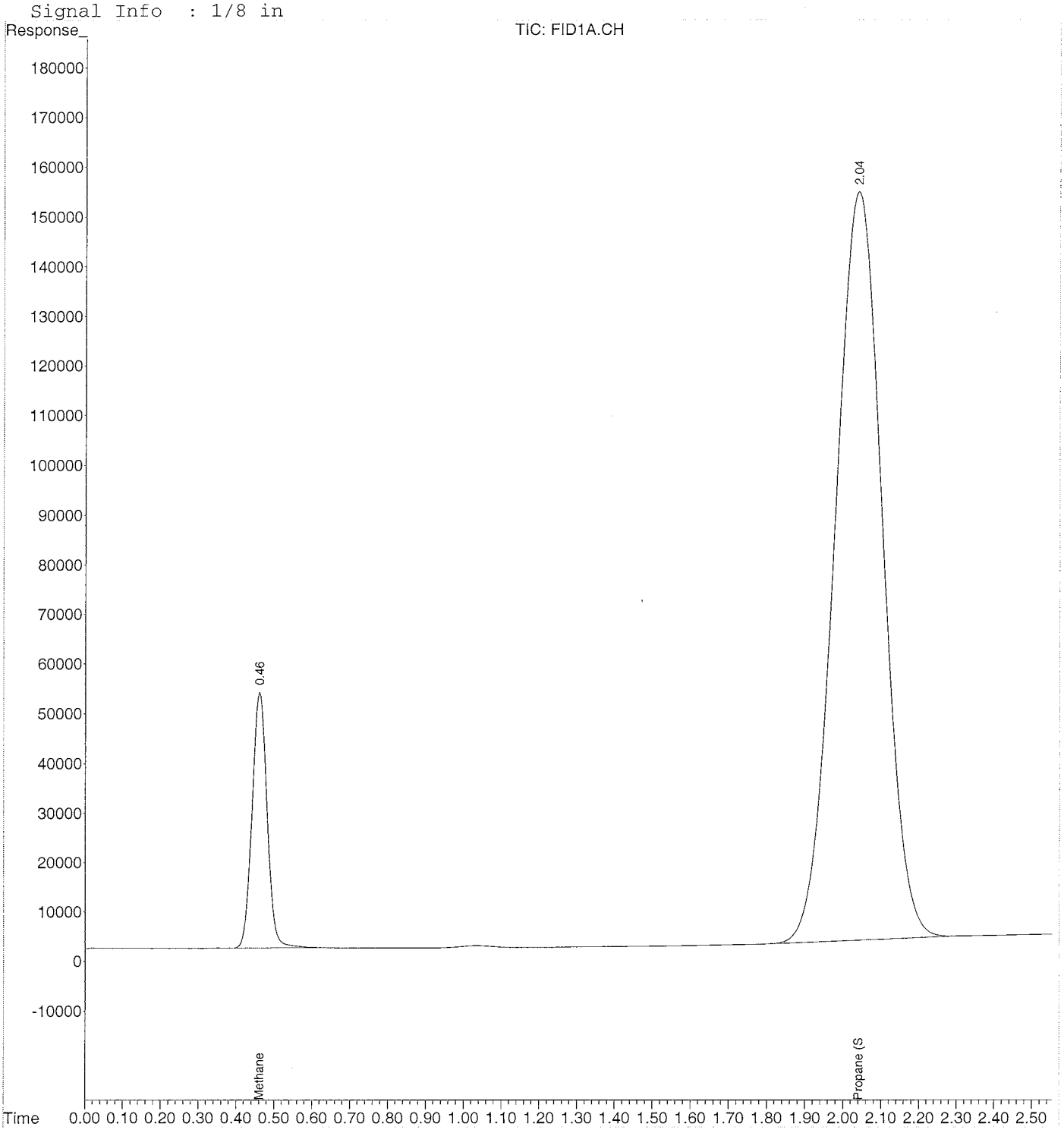


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB018.D Vial: 18
Acq On : 23 Mar 2009 4:11 pm Operator: Virginia Meyer
Sample : 09-1798-07B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

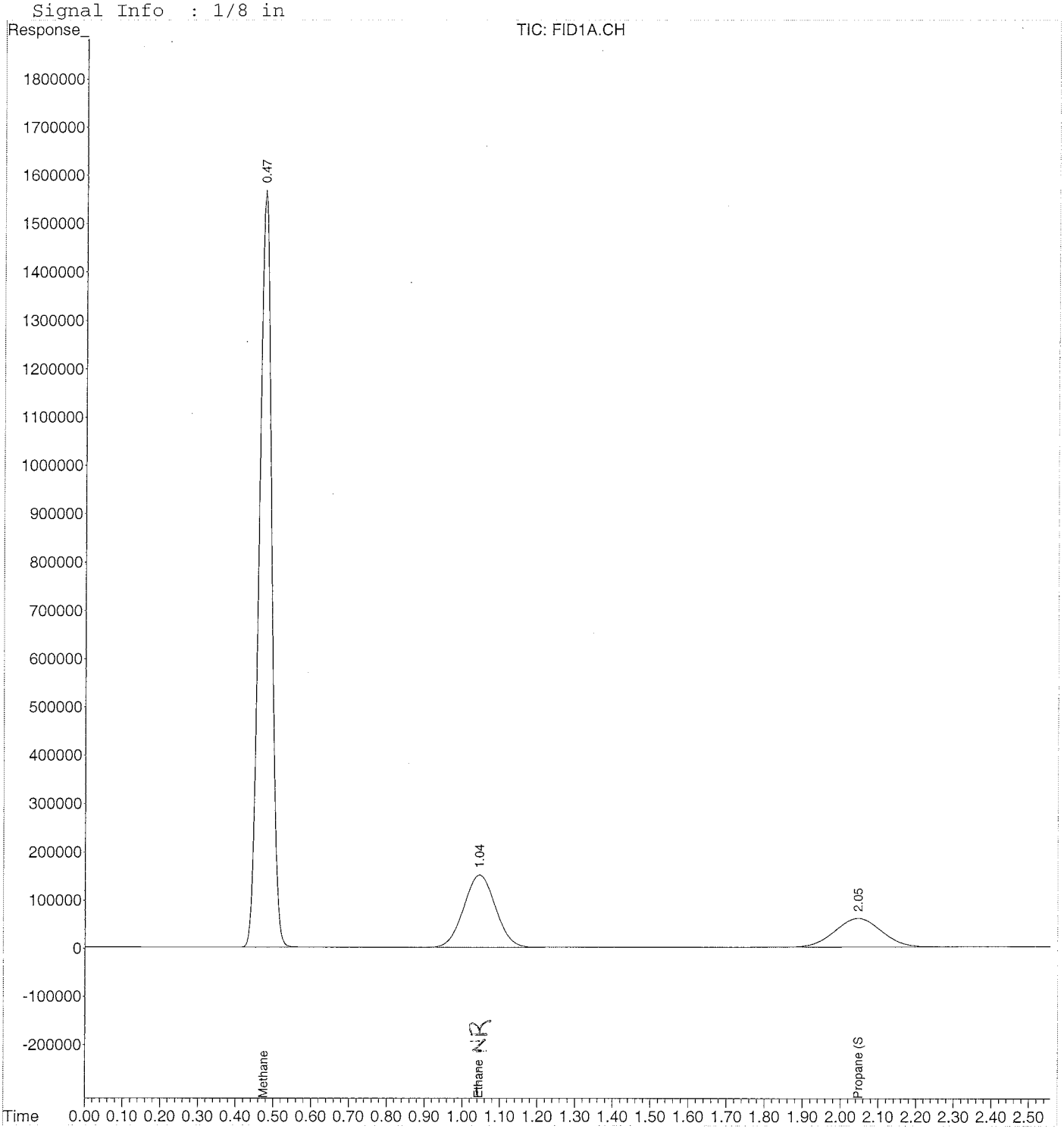


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB027.D Vial: 27
Acq On : 23 Mar 2009 5:06 pm Operator: Virginia Meyer
Sample : 09-1798-08B Inst : FID4
Misc : SAMP, MEEP_W, 20, 25uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



NR

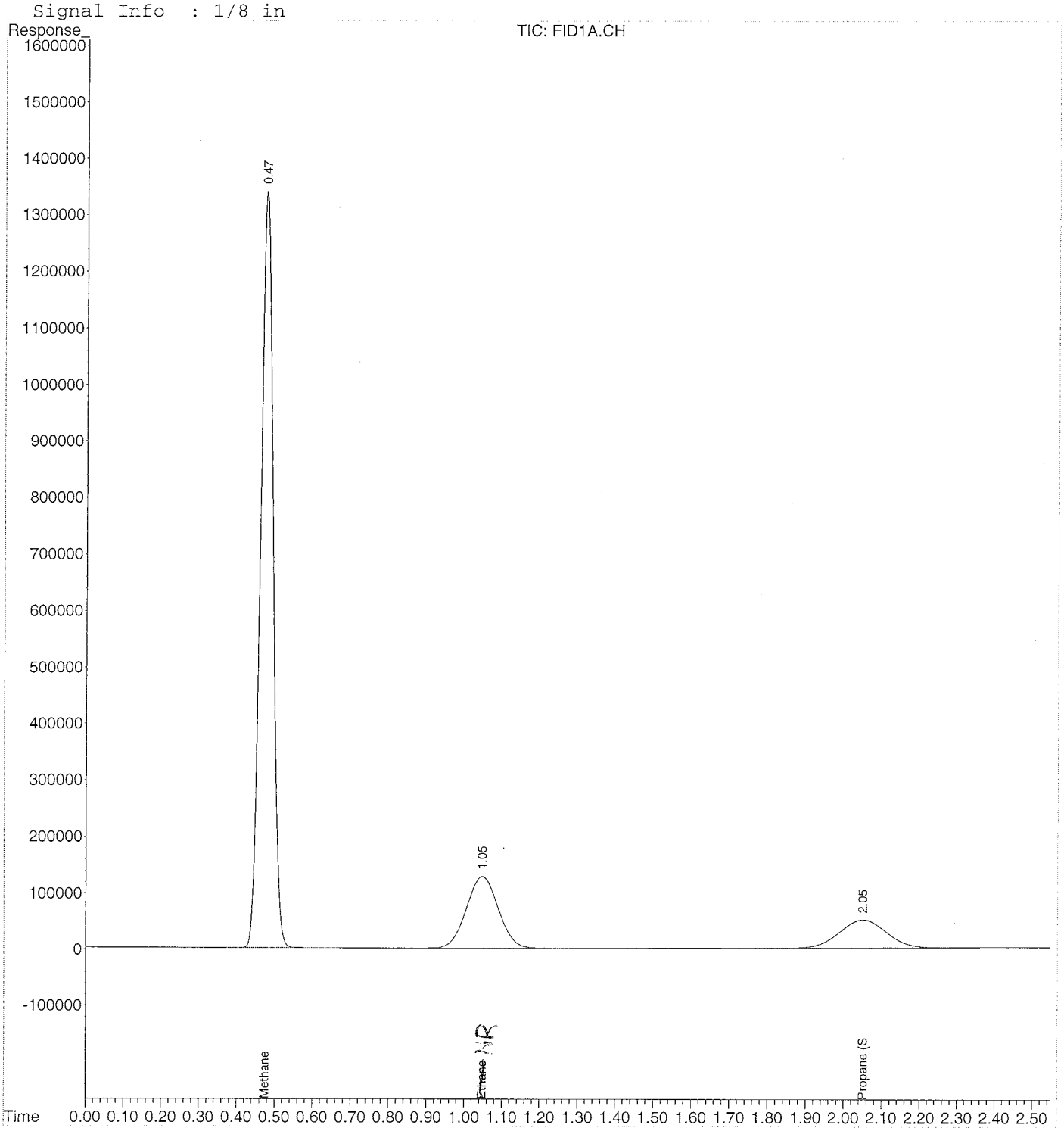
VM 3-24-09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB028.D Vial: 28
Acq On : 23 Mar 2009 5:10 pm Operator: Virginia Meyer
Sample : 09-1798-09B Inst : FID4
Misc : SAMP, MEEP_W, 20, 25uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



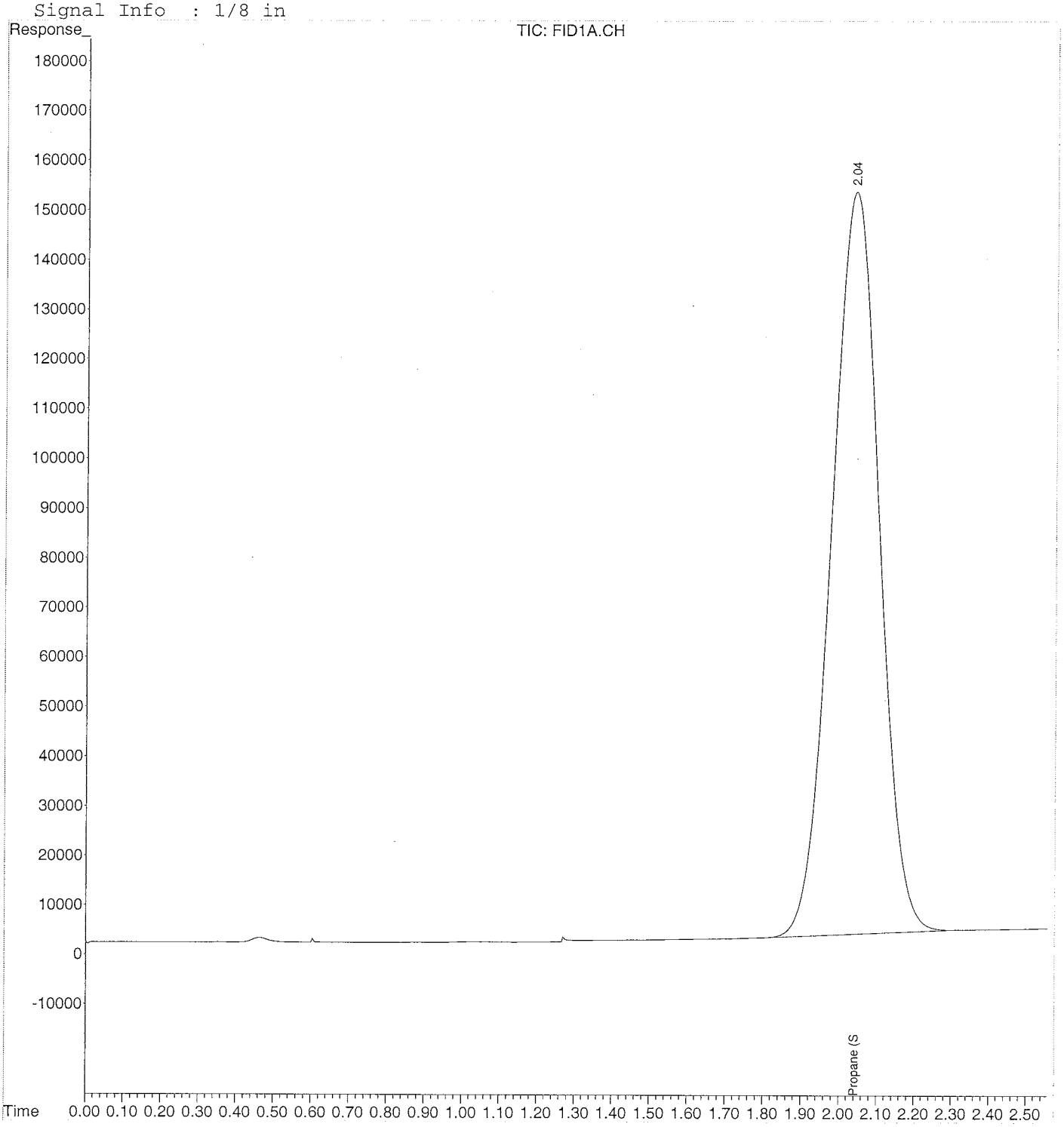
VM 3-24-09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB019.D Vial: 19
Acq On : 23 Mar 2009 4:17 pm Operator: Virginia Meyer
Sample : 09-1798-10B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

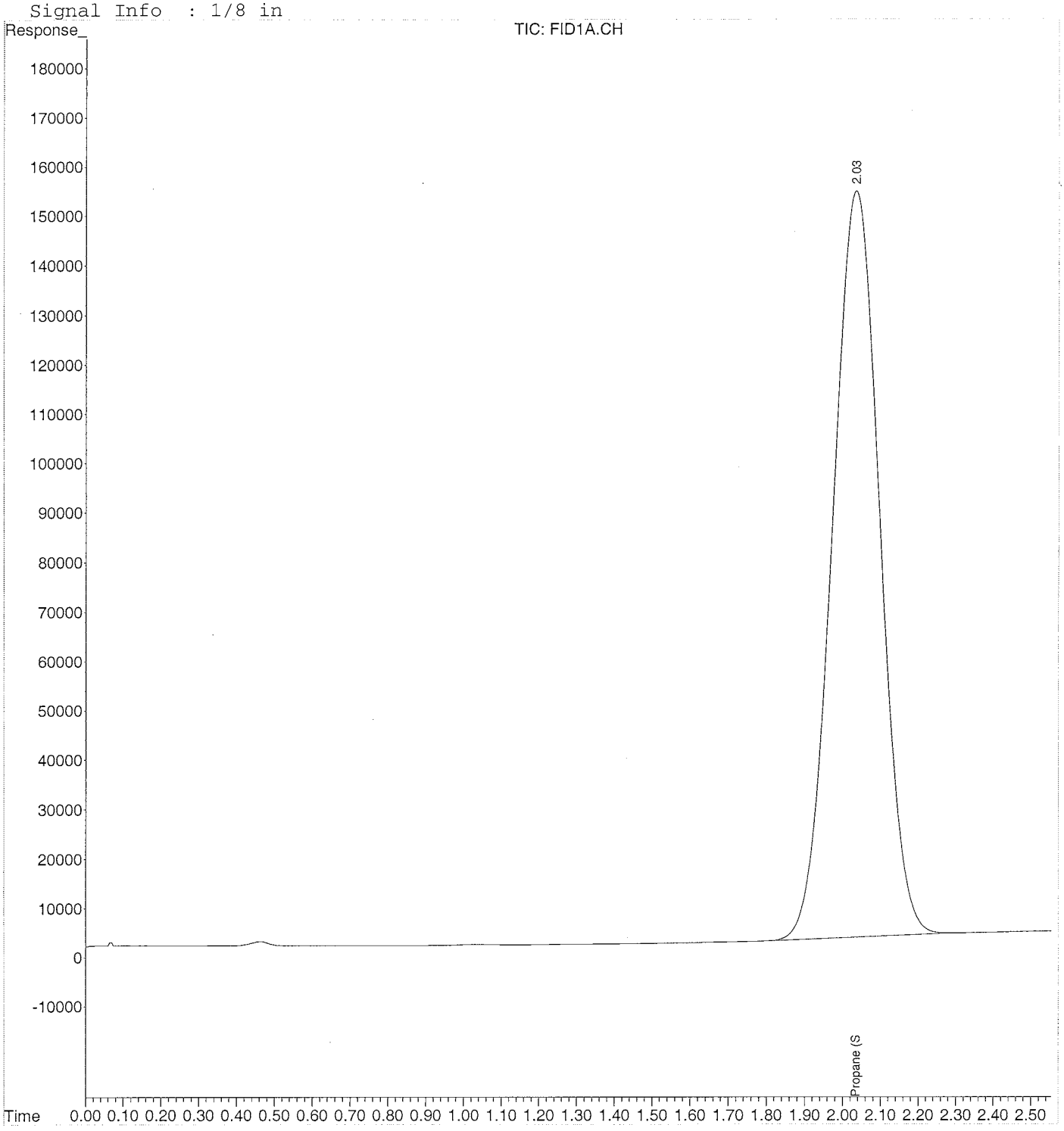


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB020.D Vial: 20
Acq On : 23 Mar 2009 4:24 pm Operator: Virginia Meyer
Sample : 09-1798-11B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in

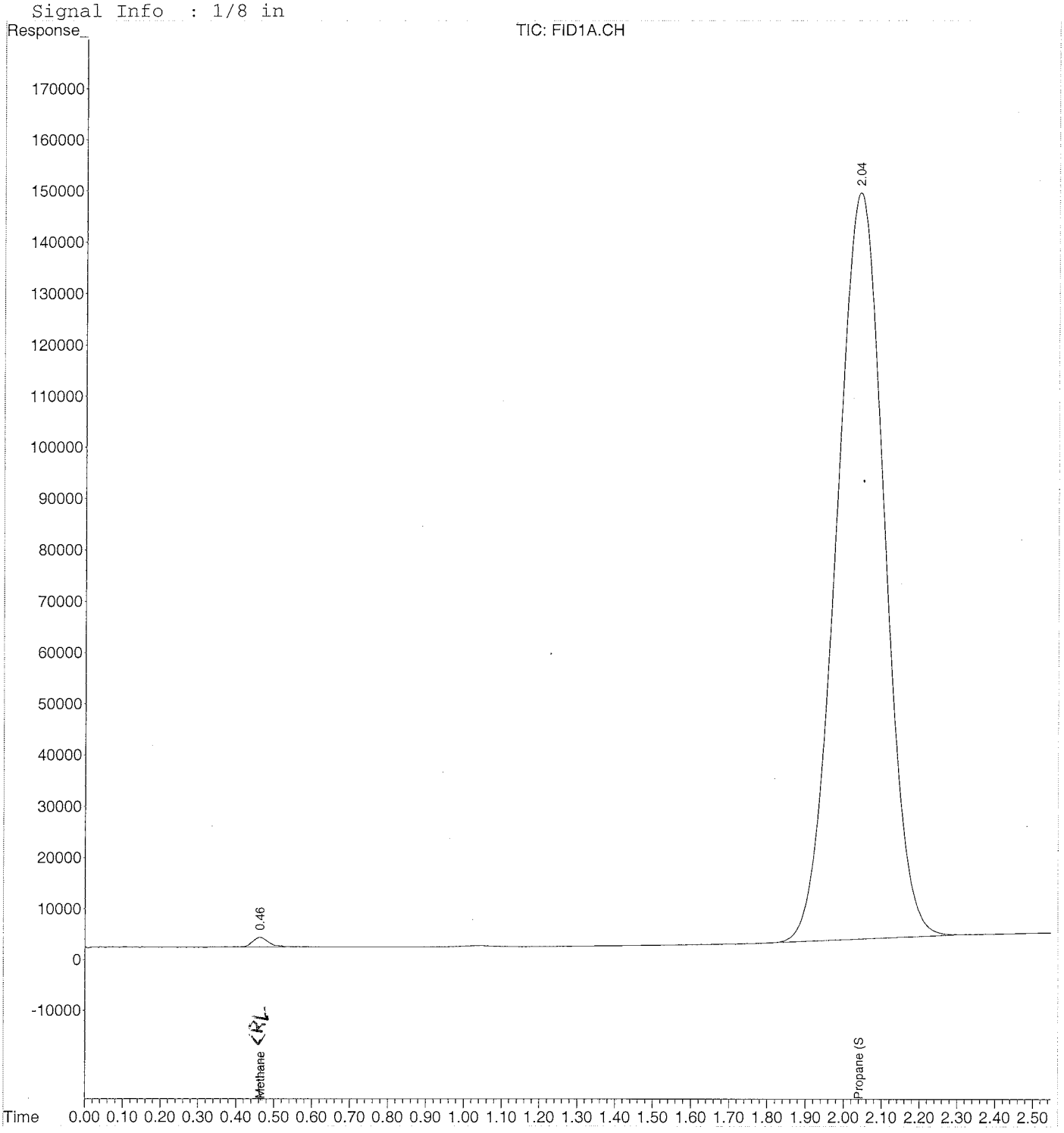


Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB021.D Vial: 21
Acq On : 23 Mar 2009 4:29 pm Operator: Virginia Meyer
Sample : 09-1798-12B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



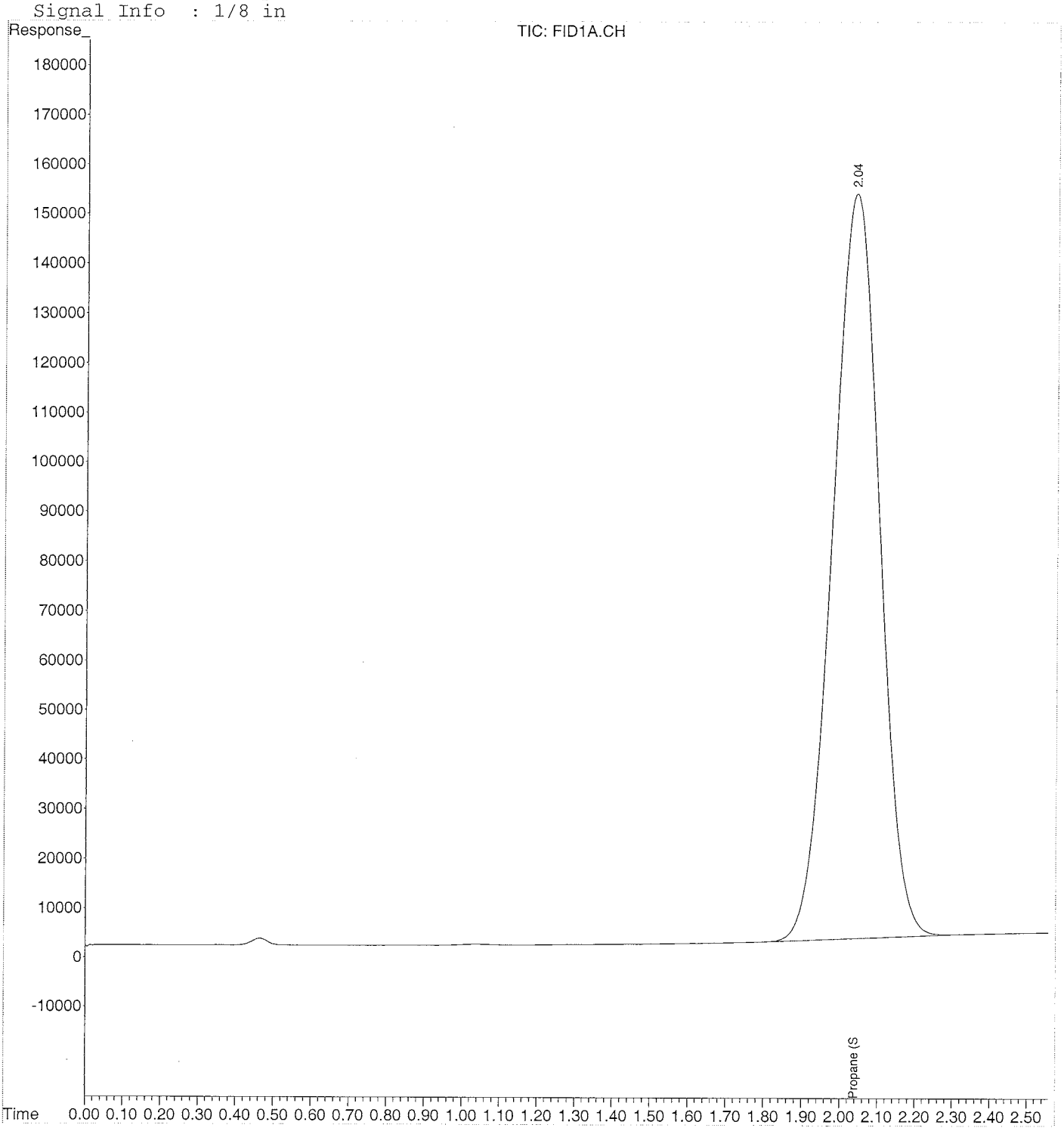
VM 3-24-09

Quantitation Report (Not Reviewed)

Data File : F:\DATA\032309\FB022.D Vial: 22
Acq On : 23 Mar 2009 4:33 pm Operator: Virginia Meyer
Sample : 09-1798-13B Inst : FID4
Misc : SAMP, MEEP_W, 1, 500uL Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Mar 24 10:39 2009 Quant Results File: GAS0323.RES

Quant Method : C:\MSDCHEM\2\METHODS\GAS0323.M (Chemstation Integrator)
Title : RSK 175 Methane, Ethene, Ethane, and Propane
Last Update : Tue Mar 24 09:28:15 2009
Response via : Single Level Calibration
DataAcq Meth : GAS.M

Volume Inj. : 100ul
Signal Phase : Porapak Q 80/100
Signal Info : 1/8 in



Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID 008-2067
Date Received: 3/18/09

Lab Order: 09-1798
Date Prepared: 3/21/09
Units: mg/L

Dissolved Metals
Sodium

Method: SW6010B

Prep Method: E200.7/SW3010A

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
09-1798-01C	MW 1	Water	3/17/09	3/21/09	170	0.40	1
09-1798-02C	MW 2	Water	3/17/09	3/21/09	110	0.40	1
09-1798-03C	MW 26	Water	3/17/09	3/21/09	91	0.40	1
09-1798-04C	MW 24	Water	3/17/09	3/21/09	42	0.40	1
09-1798-05C	MW 25	Water	3/17/09	3/21/09	34	0.40	1
09-1798-06C	MW 11	Water	3/17/09	3/21/09	38	0.40	1
09-1798-07C	MW 12	Water	3/17/09	3/21/09	83	0.40	1
09-1798-08C	MW 9	Water	3/17/09	3/22/09	61	0.40	1
09-1798-09C	MW 14	Water	3/17/09	3/22/09	47	0.40	1
09-1798-10C	DCS 1	Water	3/17/09	3/22/09	64	0.40	1
09-1798-11C	DCS 0	Water	3/17/09	3/22/09	65	0.40	1
09-1798-12C	DCS 2	Water	3/17/09	3/22/09	64	0.40	1
09-1798-13C	DCS 3	Water	3/17/09	3/22/09	65	0.40	1

Analyst | **Approved**

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

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

Print Date: 3/26/2009

Evergreen Analytical, Inc.

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

Client Project ID 008-2067
Collection Date: 3/17/09 1020

Lab Order: 09-1798
Date Received: 3/18/09
Units: mg/L

Anions by IC
Chloride

Method: E300.0 **Prep Method:**

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
09-1798-01D	MW 1	Water	3/18/09	3/18/09 1333	22.4	0.50	1
09-1798-02D	MW 2	Water	3/18/09	3/18/09 1344	41.2	0.50	1
09-1798-03D	MW 26	Water	3/18/09	3/18/09 1355	5.0	0.50	1
09-1798-04D	MW 24	Water	3/18/09	3/18/09 1405	3.9	0.50	1
09-1798-05D	MW 25	Water	3/18/09	3/18/09 1416	31.2	0.50	1
09-1798-06D	MW 11	Water	3/18/09	3/18/09 1426	31.3	0.50	1
09-1798-07D	MW 12	Water	3/18/09	3/18/09 1458	18.3	0.50	1
09-1798-08D	MW 9	Water	3/19/09	3/19/09 1121	27.9	0.50	1
09-1798-09D	MW 14	Water	3/19/09	3/19/09 1132	27.2	0.50	1
09-1798-10D	DCS 1	Water	3/19/09	3/19/09 1142	14.7	0.50	1
09-1798-11D	DCS 0	Water	3/19/09	3/19/09 1153	14.4	0.50	1
09-1798-12D	DCS 2	Water	3/19/09	3/19/09 1203	14.5	0.50	1
09-1798-13D	DCS 3	Water	3/19/09	3/19/09 1214	14.9	0.50	1

Comments

Analyst

Approved

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

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 3/20/09

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

* **For Metals** or Wet Chemistry analyses: only included if requested.

Work Order: 09-1798
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: R45951

Sample ID: **MB2031909** SampType: **MBLK** TestCode: **8021_W** Run ID: **TVHBTEX2_090319A** Prep Date: **3/19/2009** Units: **µg/L**
Batch ID: **R45951** TestNo: **SW8021B** FileID: **031909\TA004** Analysis Date: **3/19/2009** SeqNo: **815279**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	92.1	0	100	0	92.1	60	140	0	0		

Sample ID: **LCS2031909** SampType: **LCS** TestCode: **8021_W** Run ID: **TVHBTEX2_090319A** Prep Date: **3/19/2009** Units: **µg/L**
Batch ID: **R45951** TestNo: **SW8021B** FileID: **031909\TA005** Analysis Date: **3/19/2009** SeqNo: **815280**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22.28	1.0	25.5	0	87.4	70	130	0	0		
Toluene	173.1	2.0	183.6	0	94.3	70	130	0	0		
Ethylbenzene	39.28	2.0	36.8	0	107	70	130	0	0		
m,p-Xylene	145	2.0	136.3	0	106	70	130	0	0		
o-Xylene	61.88	2.0	57.2	0	108	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	118.9	0	100	0	119	60	140	0	0		

Sample ID: **09-1798-01AMS** SampType: **MS** TestCode: **8021_W** Run ID: **TVHBTEX2_090319A** Prep Date: **3/19/2009** Units: **µg/L**
Client ID: **MW 1** Batch ID: **R45951** TestNo: **SW8021B** FileID: **031909\TA007** Analysis Date: **3/19/2009** SeqNo: **815305**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22.46	1.0	25.5	0	88.1	70	130	0	0		
Toluene	173.8	2.0	183.6	0	94.7	70	130	0	0		
Ethylbenzene	39.45	2.0	36.8	0	107	62	130	0	0		
m,p-Xylene	145.7	2.0	136.3	0	107	70	134	0	0		
o-Xylene	62.08	2.0	57.2	0	109	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	121.7	0	100	0	122	60	140	0	0		

Qualifiers:

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

Work Order: 09-1798
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: R45951

Sample ID: **09-1798-01AMSD**	SampType: **MSD**	TestCode: **8021_W**	Run ID: **TVHBTEX2_090319A**	Prep Date: **3/19/2009**	Units: **µg/L**
Client ID: **MW 1**	Batch ID: **R45951**	TestNo: **SW8021B**	FileID: **031909\TA008**	Analysis Date: **3/19/2009**	SeqNo: **815307**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22.6	1.0	25.5	0	88.6	70	130	22.46	0.648	30	
Toluene	174.6	2.0	183.6	0	95.1	70	130	173.8	0.428	30	
Ethylbenzene	39.57	2.0	36.8	0	108	62	130	39.45	0.283	30	
m,p-Xylene	145.9	2.0	136.3	0	107	70	134	145.7	0.117	30	
o-Xylene	62.16	2.0	57.2	0	109	63	130	62.08	0.124	30	
Surr: 1,2,4-Trichlorobenzene (S)	122.7	0	100	0	123	60	140	0	0	0	

Qualifiers:

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E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *24-Mar-09*

Work Order: 09-1798
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: MEEP_W

Sample ID: **GB032309**	SampType: **MBLK**	TestCode: **MEEP_W**	Run ID: **FID4_090323A**	Prep Date: **3/23/2009**	Units: **mg/L**
	Batch ID: **GAS032309**	TestNo: **RSKSOP175**	FileID: **FB010**	Analysis Date: **3/23/2009**	SeqNo: **816379**

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

Sample ID: **LCS032309**	SampType: **LCS**	TestCode: **MEEP_W**	Run ID: **FID4_090323A**	Prep Date: **3/23/2009**	Units: **mg/L**
	Batch ID: **GAS032309**	TestNo: **RSKSOP175**	FileID: **FB011**	Analysis Date: **3/23/2009**	SeqNo: **816380**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.6068	0.0080	0.5094	0	119	70	130	0	0		

Sample ID: **LCSD032309**	SampType: **LCSD**	TestCode: **MEEP_W**	Run ID: **FID4_090323A**	Prep Date: **3/23/2009**	Units: **mg/L**
	Batch ID: **GAS032309**	TestNo: **RSKSOP175**	FileID: **FB012**	Analysis Date: **3/23/2009**	SeqNo: **816383**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5947	0.0080	0.5094	0	117	70	130	0.6068	2.02	30	

Sample ID: **09-1798-11BMS**	SampType: **MS**	TestCode: **MEEP_W**	Run ID: **FID4_090323A**	Prep Date: **3/23/2009**	Units: **mg/L**
Client ID: **DCS 0**	Batch ID: **GAS032309**	TestNo: **RSKSOP175**	FileID: **FB031**	Analysis Date: **3/23/2009**	SeqNo: **816386**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.566	0.0080	0.5094	0	111	70	130	0	0		

Sample ID: **09-1798-04BDUP**	SampType: **DUP**	TestCode: **MEEP_W**	Run ID: **FID4_090323A**	Prep Date: **3/23/2009**	Units: **mg/L**
Client ID: **MW 24**	Batch ID: **GAS032309**	TestNo: **RSKSOP175**	FileID: **FB030**	Analysis Date: **3/23/2009**	SeqNo: **816385**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	U	0.00080	0	0	0	0	0	0	0	30	

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B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *30-Mar-09*

Work Order: 09-1798
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

BatchID: 18534

Sample ID **MB-18534**	SampType: **MBLK**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/21/2009**	Units: **mg/L**
	Batch ID: **18534**	TestNo: **E200.7, Rev.**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815872**

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

Sample ID **LCS-18534**	SampType: **LCS**	TestCode: **200.7_D**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/21/2009**	Units: **mg/L**
	Batch ID: **18534**	TestNo: **E200.7, Rev.**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815873**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	9.78	0.400	10	0.1944	97.8	85	115	0	0		

Sample ID **09-1747-01FMS**	SampType: **MS**	TestCode: **200.7_SAR**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/21/2009**	Units: **mg/L**
	Batch ID: **18534**	TestNo: **E200.7, Rev.**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815875**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	114.6	0.50	12.5	104.5	81.1	75	125	0	0		

Sample ID **09-1747-01FMSD**	SampType: **MSD**	TestCode: **200.7_SAR**	Run ID: **ICP-OPTIMA 5300 DV_090321A**	Prep Date: **3/21/2009**	Units: **mg/L**
	Batch ID: **18534**	TestNo: **E200.7, Rev.**	FileID: **032109AM**	Analysis Date: **3/21/2009**	SeqNo: **815876**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	115	0.50	12.5	104.5	84.1	75	125	114.6	0.328	20	

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B - Analyte detected in the associated Method Blank
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X - See case narrative

Evergreen Analytical, Inc.

Date: *20-Mar-09*

Work Order: 09-1798
Client Project ID: 008-2067

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_nondw

Sample ID: **METHOD BLANK 03**	SampType: **MBLK**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090318A**	Prep Date: **3/18/09**	Units: **mg/L**
	Batch ID: **R45935**	TestNo: **E300.0**	FileID:	Analysis Date: **3/18/09**	SeqNo: **814846**

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

Sample ID: **METHOD BLANK 03**	SampType: **MBLK**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090319A**	Prep Date: **3/19/09**	Units: **mg/L**
	Batch ID: **R45955**	TestNo: **E300.0**	FileID:	Analysis Date: **3/19/09**	SeqNo: **815111**

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

Sample ID: **LCS ALLT218076**	SampType: **LCS**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090318A**	Prep Date: **3/18/09**	Units: **mg/L**
	Batch ID: **R45935**	TestNo: **E300.0**	FileID:	Analysis Date: **3/18/09**	SeqNo: **814845**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.54	1.0	20	0	92.7	90	110	0	0		

Sample ID: **LCS ALLT218076**	SampType: **LCS**	TestCode: **ANIONS_non**	Run ID: **IC-DX300_090319A**	Prep Date: **3/19/09**	Units: **mg/L**
	Batch ID: **R45955**	TestNo: **E300.0**	FileID:	Analysis Date: **3/19/09**	SeqNo: **815110**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.22	1.0	20	0	91.1	90	110	0	0		

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ANALYTICAL SUMMARY REPORT

April 02, 2009

Cordilleran Compliance Services Inc
826 21½ Rd
Grand Junction, CO 81505

Workorder No.: C09030610

Project Name: Divide Creek Quality

Energy Laboratories, Inc. received the following 2 samples for Cordilleran Compliance Services Inc on 3/19/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09030610-001	MW4	03/16/09 13:55	03/19/09	Aqueous	Metals by ICP/ICPMS, Dissolved Sample Filtering SW8021B, BTEX Methane E300.0 Anions
C09030610-002	DCS1	03/17/09 12:30	03/19/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie Waldrop

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LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: Divide Creek Quality
Lab ID: C09030610-001
Client Sample ID: MW4

Report Date: 04/02/09
Collection Date: 03/16/09 13:55
DateReceived: 03/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	27	mg/L		1		E300.0	03/23/09 23:56 / ljl
Sodium	95	mg/L		1		E200.7	04/01/09 18:42 / rdw
VOLATILE ORGANIC COMPOUNDS							
Benzene	73	ug/L		1.0		SW8021B	03/20/09 18:18 / jlr
Ethylbenzene	ND	ug/L		1.0		SW8021B	03/20/09 18:18 / jlr
m+p-Xylenes	13	ug/L		1.0		SW8021B	03/20/09 18:18 / jlr
o-Xylene	2.7	ug/L		1.0		SW8021B	03/20/09 18:18 / jlr
Toluene	ND	ug/L		1.0		SW8021B	03/20/09 18:18 / jlr
Surr: Trifluorotoluene	98.0	%REC		80-120		SW8021B	03/20/09 18:18 / jlr
NATURAL GAS COMPOUNDS							
Methane	5.99	mg/L		0.001		SW8015M	03/23/09 07:09 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cordilleran Compliance Services Inc
Project: Divide Creek Quality
Lab ID: C09030610-002
Client Sample ID: DCS1

Report Date: 04/02/09
Collection Date: 03/17/09 12:30
DateReceived: 03/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	13	mg/L		1		E300.0	03/24/09 00:42 / ljl
Sodium	58	mg/L		1		E200.7	04/01/09 18:47 / rdw
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		1.0		SW8021B	03/20/09 18:53 / jlr
Ethylbenzene	ND	ug/L		1.0		SW8021B	03/20/09 18:53 / jlr
m+p-Xylenes	ND	ug/L		1.0		SW8021B	03/20/09 18:53 / jlr
o-Xylene	ND	ug/L		1.0		SW8021B	03/20/09 18:53 / jlr
Toluene	ND	ug/L		1.0		SW8021B	03/20/09 18:53 / jlr
Surr: Trifluorotoluene	99.0	%REC		80-120		SW8021B	03/20/09 18:53 / jlr
NATURAL GAS COMPOUNDS							
Methane	ND	mg/L		0.001		SW8015M	03/23/09 07:38 / eli-b

Report Definitions:
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QA/QC Summary Report

Client: Cordilleran Compliance Services Inc
Project: Divide Creek Quality

Report Date: 04/02/09
Work Order: C09030610

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R116185
Sample ID: LCS	Laboratory Control Sample				Run: IC1-C_090323A				03/23/09 14:41
Chloride	9.60	mg/L	1.0	96	90	110			
Sample ID: MBLK	Method Blank				Run: IC1-C_090323A				03/23/09 14:57
Chloride	ND	mg/L	0.02						
Sample ID: C09030610-001AMS	Sample Matrix Spike				Run: IC1-C_090323A				03/24/09 00:11
Chloride	77.9	mg/L	1.0	104	90	110			
Sample ID: C09030610-001AMSD	Sample Matrix Spike Duplicate				Run: IC1-C_090323A				03/24/09 00:27
Chloride	78.0	mg/L	1.0	104	90	110	0	20	
Method: SW8015M									Analytical Run: SUB-B126546
Sample ID: CCV	Continuing Calibration Verification Standard								03/23/09 06:34
Methane	1000	ppm	2.0	101	85	115			
Sample ID: CCV2	Continuing Calibration Verification Standard								03/23/09 09:43
Methane	100	ppm	2.0	107	80	120			
Method: SW8015M									Batch: B_R126546
Sample ID: MBLK	Method Blank				Run: SUB-B126546				03/23/09 06:38
Methane	ND	mg/L	0.0010						
Sample ID: C09030610-001C	Sample Duplicate				Run: SUB-B126546				03/23/09 07:18
Methane	5.89	mg/L	0.0010				1.8	30	

Qualifiers:

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QA/QC Summary Report

Client: Cordilleran Compliance Services Inc
Project: Divide Creek Quality

Report Date: 04/02/09
Work Order: C09030610

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R116509
Sample ID: LRB	Method Blank				Run: ICP3-C_090401B				04/01/09 13:08
Sodium	ND	mg/L	0.1						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICP3-C_090401B				04/01/09 13:13
Sodium	46.1	mg/L	0.50	92	80	120			
Sample ID: C09030649-002DMS	Sample Matrix Spike				Run: ICP3-C_090401B				04/01/09 19:25
Sodium	47.8	mg/L	1.0	86	70	130			
Sample ID: C09030649-002DMSD	Sample Matrix Spike Duplicate				Run: ICP3-C_090401B				04/01/09 19:30
Sodium	44.6	mg/L	1.0	79	70	130	7	20	

Qualifiers:

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QA/QC Summary Report

Client: Cordilleran Compliance Services Inc
Project: Divide Creek Quality

Report Date: 04/02/09
Work Order: C09030610

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8021B									Batch: R116153
Sample ID: LCS_0320HP206r	Laboratory Control Sample				Run: PIDFID1-C_090320A				03/20/09 14:48
Benzene	10	ug/L	0.50	103	80	120			
Ethylbenzene	10	ug/L	0.50	103	80	120			
m+p-Xylenes	21	ug/L	0.50	103	80	120			
o-Xylene	10	ug/L	0.50	102	80	120			
Toluene	10	ug/L	0.50	103	80	120			
Surr: Trifluorotoluene			0.50	102	80	120			
Sample ID: MBLK_0320HP208r	Method Blank				Run: PIDFID1-C_090320A				03/20/09 15:58
Benzene	ND	ug/L	0.50						
Ethylbenzene	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
Surr: Trifluorotoluene			0.50	102	80	120			
Sample ID: C09030608-001FMS	Sample Matrix Spike				Run: PIDFID1-C_090320A				03/20/09 20:38
Benzene	210	ug/L	10	104	80	120			
Ethylbenzene	210	ug/L	10	103	80	120			
m+p-Xylenes	410	ug/L	10	103	80	120			
o-Xylene	210	ug/L	10	103	80	120			
Toluene	210	ug/L	10	104	80	120			
Surr: Trifluorotoluene			10	101	80	120			
Sample ID: C09030608-001FMSD	Sample Matrix Spike Duplicate				Run: PIDFID1-C_090320A				03/20/09 21:13
Benzene	210	ug/L	10	105	80	120	1.5	20	
Ethylbenzene	210	ug/L	10	104	80	120	1.1	20	
m+p-Xylenes	420	ug/L	10	105	80	120	1.2	20	
o-Xylene	210	ug/L	10	104	80	120	1.3	20	
Toluene	210	ug/L	10	105	80	120	1.1	20	
Surr: Trifluorotoluene			10	101	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Olsson Associates	Divide Creek Quarterly	State: CO	Yes ☐ No ☒

Report Mail Address:	Contact Name:	Phone/Fax:	Email:	Sampler: (Please Print)
826 21 1/2 Road Grand Junction, CO 81505	Stuart Hall	970.263.7800	shall@oaconsulting.com	Stuart Hall

Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:
Same	Same		

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA
☐ GSA ☐ EDD/EDT (Electronic Data) Format: _____
☐ POTW/WWTP ☐ LEVEL IV
☐ State: _____ ☐ NELAC
☐ Other: _____

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: hh-n

Cooler ID(s): Client

Receipt Temp 4 °C

On Ice: (Yes) No

Custody Seal (Y) N
Intact (Y) N
Signature Match (Y) N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	BTEX 8021	Dissolved methane	Na *	Cl										
1 MW4	3/16/09	1355	GW	X	X	X	X										
2 DCS1	3/17/09	1230	GW	X	X	X	X										
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

* Please filter before testing dissolved Na

C09030010

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): Stuart Hall	Date/Time: 3/18/09 1630	Signature:	Received by (print): / Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print): / Date/Time: / Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: P Baldwin / Date/Time: 3/19/09 9:15 / Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Energy Laboratories Inc
Workorder Receipt Checklist

Cordilleran Compliance Services Inc

C09030610

Login completed by: Kimberly Humiston

Date and Time Received: 3/19/2009 9:15 AM

Reviewed by:

Received by: pb

Reviewed Date:

Carrier name: Next Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	4°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

CLIENT: Cordilleran Compliance Services Inc
Project: Divide Creek Quality
Sample Delivery Group: C09030610

Date: 03-Apr-09

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158873 Job #: 11182
Sample Name: MW4D Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.486			
Oxygen	7.25			
Nitrogen	26.49			
Carbon Dioxide	1.90			
Methane	54.27	-39.73	-187.3	
Ethane	6.48	-28.35		
Ethylene	nd			
Propane	2.31	-25.82		
Iso-butane	0.331			
N-butane	0.340			
Iso-pentane	0.0810			
N-pentane	0.0381			
Hexanes +	0.0279			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 752
Specific gravity, calculated: 0.792

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.66

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158874 Job #: 11182
Sample Name: MW4 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.485			
Oxygen	7.02			
Nitrogen	26.37			
Carbon Dioxide	1.91			
Methane	54.55	-39.70	-187.5	
Ethane	6.51	-28.35		
Ethylene	nd			
Propane	2.32	-25.85		
Iso-butane	0.337			
N-butane	0.344			
Iso-pentane	0.0854			
N-pentane	0.0415			
Hexanes +	0.0308			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 756
Specific gravity, calculated: 0.791

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.66

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158875 Job #: 11182
Sample Name: MW16 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	0.017			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.30			
Oxygen	8.25			
Nitrogen	76.63			
Carbon Dioxide	1.60			
Methane	12.15	-36.23	-164.2	
Ethane	0.0503			
Ethylene	nd			
Propane	nd			
Iso-butane	nd			
N-butane	nd			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 124
Specific gravity, calculated: 0.943

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158876 Job #: 11182
Sample Name: MW17 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/16/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.25			
Oxygen	0.134			
Nitrogen	70.24			
Carbon Dioxide	7.45			
Methane	18.89	-45.17	-202.3	
Ethane	1.90	-27.25		
Ethylene	nd			
Propane	0.125	-22.98		
Iso-butane	0.0073			
N-butane	0.0061			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 229
Specific gravity, calculated: 0.938

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74
Ethane and propane isotopes obtained online via GC-C-IRMS.

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158877 Job #: 11182
Sample Name: MW2 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/17/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	0.009			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.598			
Oxygen	7.24			
Nitrogen	33.18			
Carbon Dioxide	4.95			
Methane	47.77	-40.06	-161.0	
Ethane	4.66	-26.31		
Ethylene	nd			
Propane	1.23	-24.78		
Iso-butane	0.159			
N-butane	0.143			
Iso-pentane	0.0380			
N-pentane	0.0126			
Hexanes +	0.0116			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 610
Specific gravity, calculated: 0.824

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.69
Propane isotope obtained online via GC-C-IRMS.

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158878 Job #: 11182
Sample Name: MW9 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/17/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	0.017			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.639			
Oxygen	4.62			
Nitrogen	32.89			
Carbon Dioxide	5.35			
Methane	48.46	-39.88	-186.7	
Ethane	5.37	-28.38		
Ethylene	nd			
Propane	1.95	-25.51		
Iso-butane	0.289			
N-butane	0.285			
Iso-pentane	0.0784			
N-pentane	0.0316			
Hexanes +	0.0222			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 660
Specific gravity, calculated: 0.828

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.64

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158879 Job #: 11182
Sample Name: MW12 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/17/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	0.045			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.43			
Oxygen	9.63			
Nitrogen	75.10			
Carbon Dioxide	13.04			
Methane	0.702			
Ethane	0.0492			
Ethylene	nd			
Propane	nd			
Iso-butane	nd			
N-butane	nd			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 8
Specific gravity, calculated: 1.055

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158880 Job #: 11182
Sample Name: MW14 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/17/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	0.697			
Oxygen	0.144			
Nitrogen	36.42			
Carbon Dioxide	5.40			
Methane	49.45	-39.70	-190.3	
Ethane	5.45	-28.34		
Ethylene	nd			
Propane	1.88	-25.44		
Iso-butane	0.186			
N-butane	0.282			
Iso-pentane	0.0462			
N-pentane	0.0265			
Hexanes +	0.0215			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 665
Specific gravity, calculated: 0.817

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.68

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158881 Job #: 11182
Sample Name: DCS2 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/17/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.35			
Oxygen	28.23			
Nitrogen	69.60			
Carbon Dioxide	0.81			
Methane	0.0086			
Ethane	nd			
Ethylene	nd			
Propane	nd			
Iso-butane	nd			
N-butane	nd			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0
Specific gravity, calculated: 1.016

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 158882 Job #: 11182
Sample Name: DCS3 Co. Lab#:
Company: Cordilleran, Div. of Olsson Assoc.
Date Sampled: 3/17/2009
Container: Dissolved Gas Bottle
Field/Site Name: 008-2067
Location: Divide Creek
Formation/Depth:
Sampling Point:
Date Received: 3/23/2009 Date Reported: 4/24/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide	nd			
Hydrogen Sulfide	nd			
Helium	nd			
Hydrogen	nd			
Argon	1.35			
Oxygen	28.11			
Nitrogen	69.71			
Carbon Dioxide	0.83			
Methane	nd			
Ethane	nd			
Ethylene	nd			
Propane	nd			
Iso-butane	nd			
N-butane	nd			
Iso-pentane	nd			
N-pentane	nd			
Hexanes +	nd			

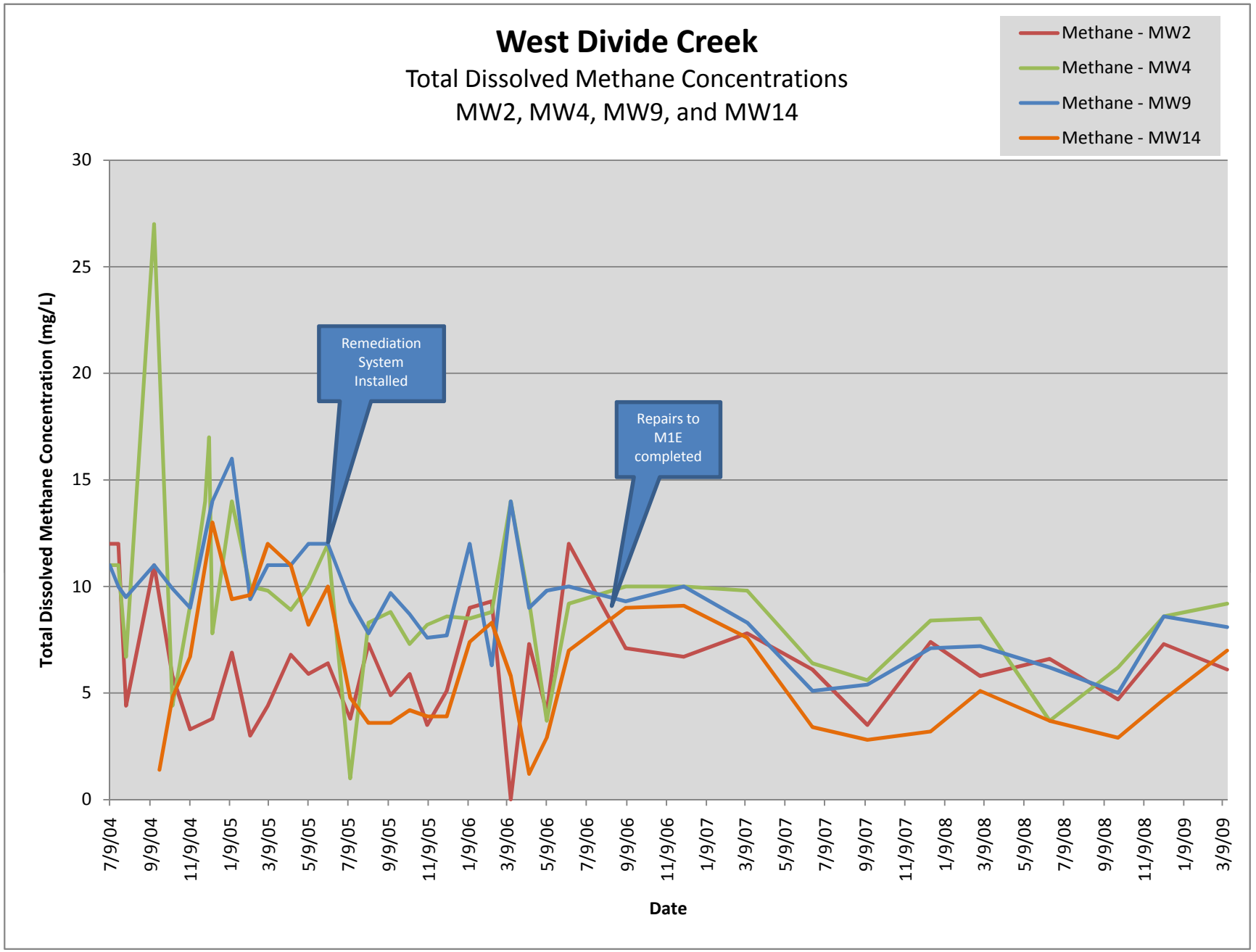
Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0
Specific gravity, calculated: 1.016

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

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

Appendix G

Graphs


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
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
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1/9/07
3/9/07
5/9/07
7/9/07
9/9/07
11/9/07
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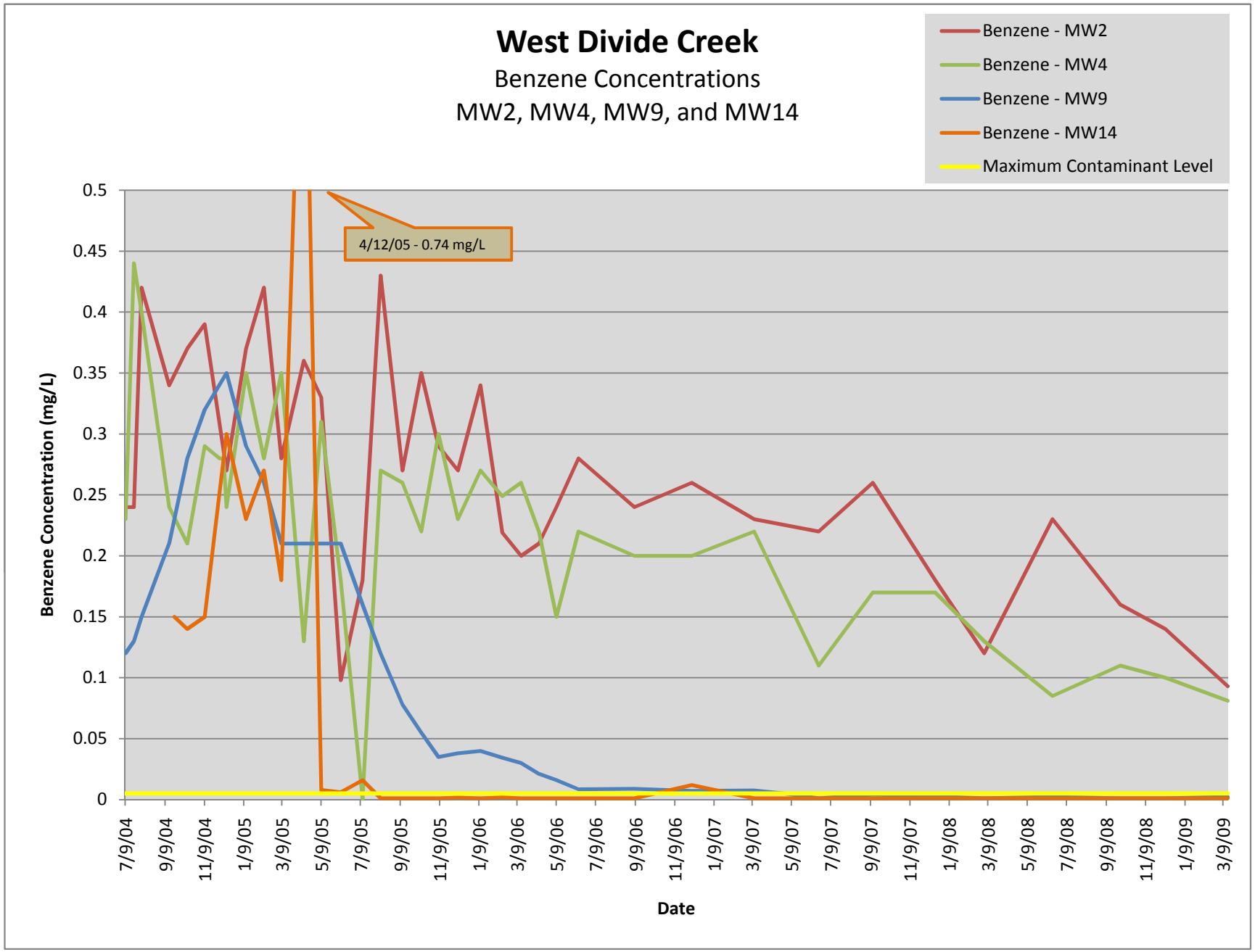
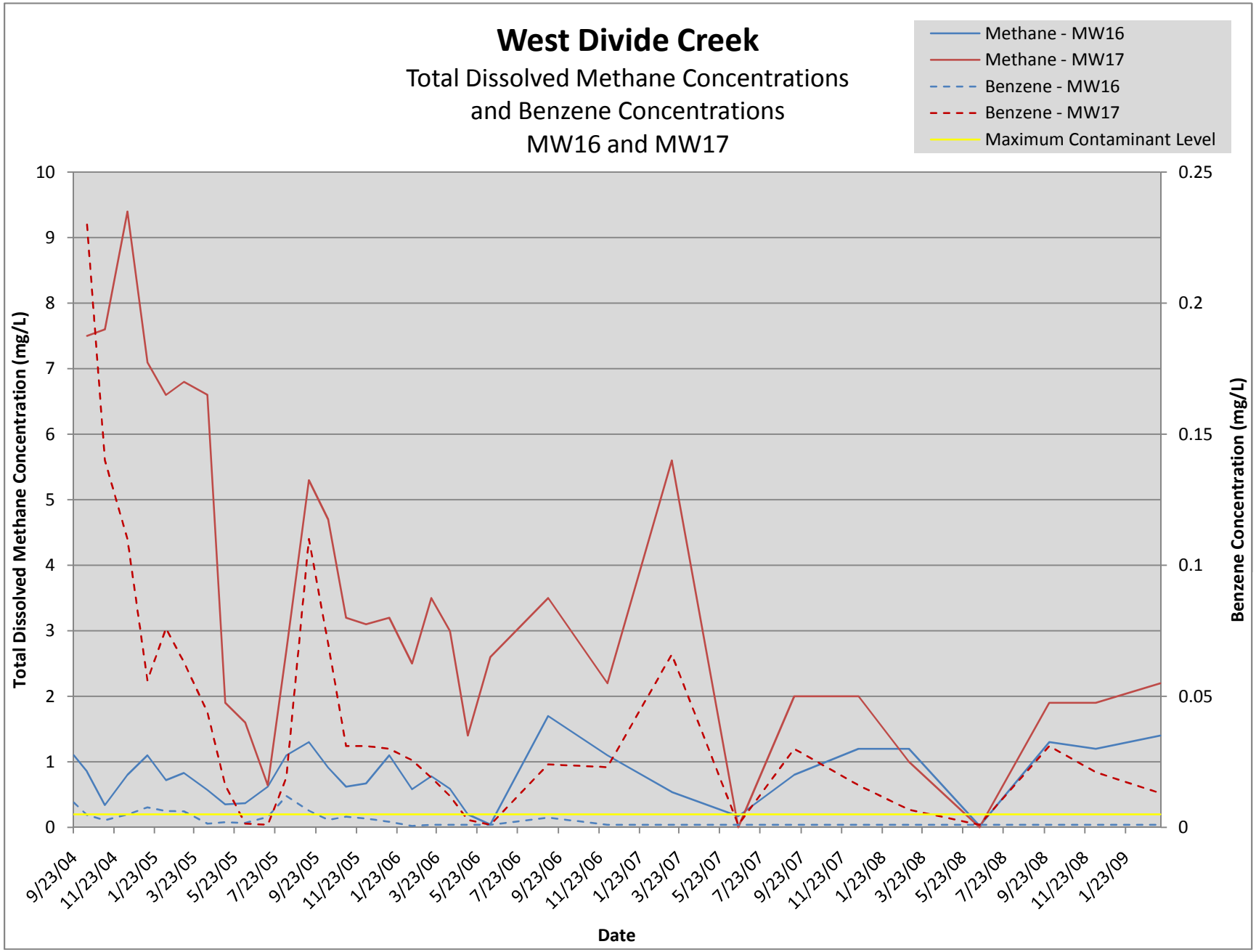
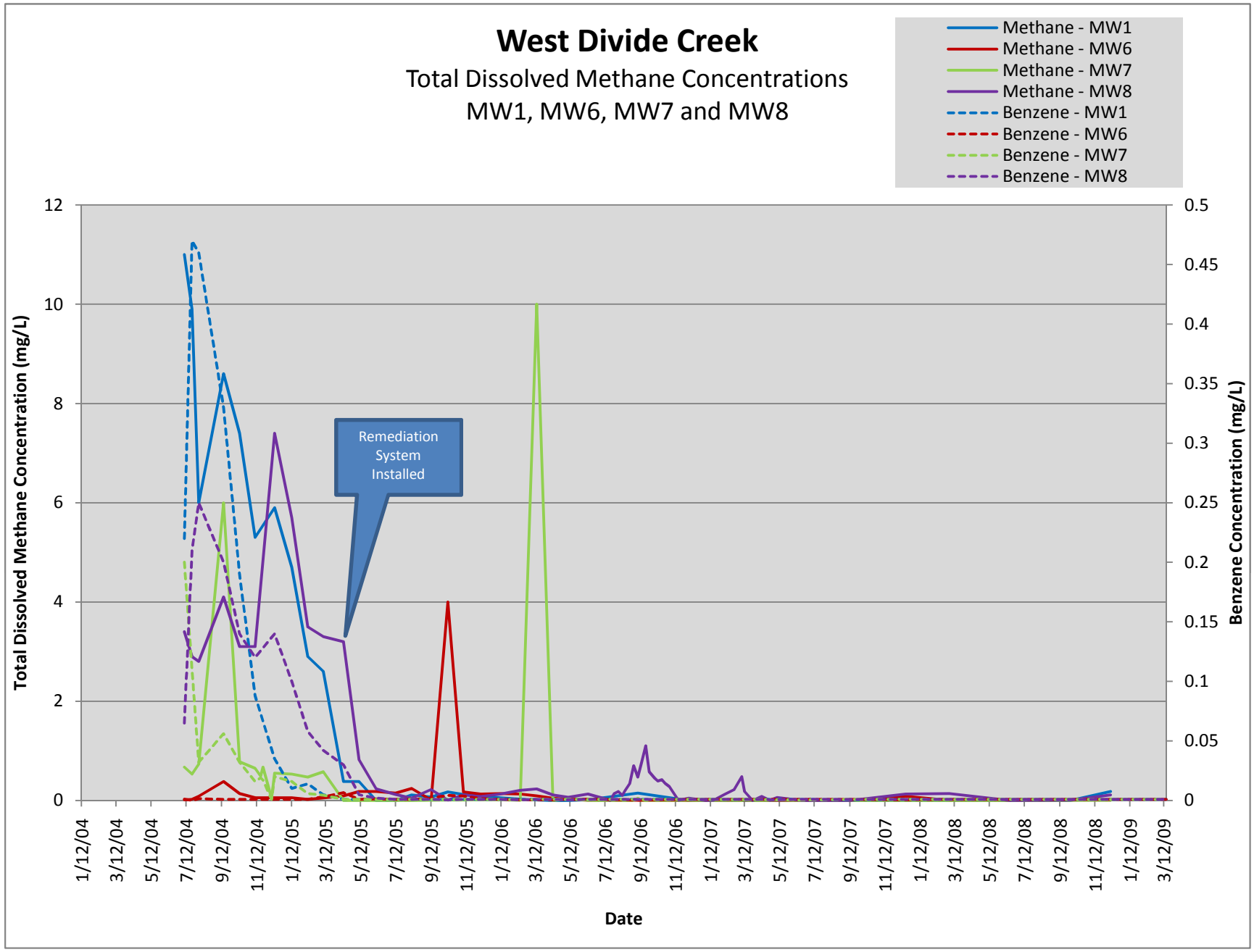
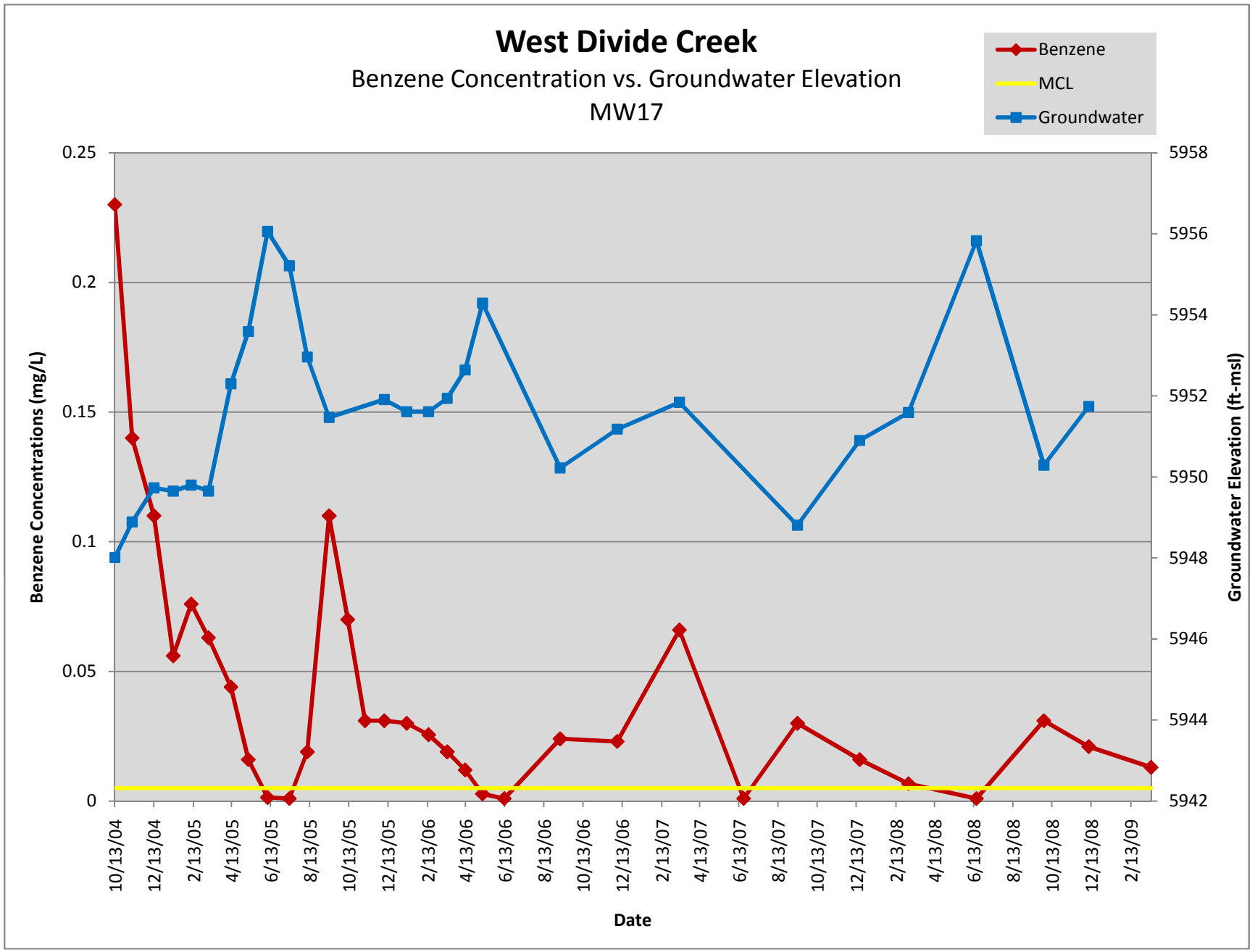
5/9/08
7/9/08
9/9/08
11/9/08
1/9/09
3/9/09
Date


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
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
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
10
9
8
7
6
5
4
3
2
1
0
0.25
0.2
0.15
0.1
0.05
0
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


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


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