

Tables

Table 1. 4/16/13 - 1/13/14 Groundwater Field Parameters

Monitoring Station	Date	DTW (ft)	Temp (°C)	SPC (mS/cm)	DO (mg/L)	TDS (mg/L)	SAL (ppt)	pH	ORP (mV)	Water Quality Observations
MW-2	4/16/2013	4.71	8.50	0.82	2.95	533.00	0.40	7.37	-60.20	Light brown in color, no sheen, no effervescence, mild sulfur odor, mildly visually turbid
MW-4	4/16/2013	7.26	8.50	0.77	2.99	500.50	0.38	7.50	-78.20	Light brown in color, large particles present, minor effervescence, no sheen, no odor, highly visually turbid
MW-8	4/16/2013	8.87	8.20	0.92	2.53	591.50	0.45	7.39	-56.00	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-12	4/16/2013	-0.10	5.80	0.82	5.14	533.00	0.40	7.24	-81.80	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-17	4/16/2013	6.39	7.70	1.12	2.48	728.00	0.56	7.49	-61.40	Light brown in color, no sheen, no effervescence, no odor, mildly visually turbid
MW-20	4/16/2013	9.13	7.00	0.76	5.90	507.00	0.38	7.39	4.30	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-22	4/16/2013	10.66	7.50	0.85	4.50	552.50	0.42	7.42	-22.40	Light brown in color, no sheen, no effervescence, no odor, mildly visually turbid
MW-2	7/30/2013	5.23	13.10	0.92	2.35	NR	NR	8.21	-28.70	Light brown in color, no sheen, no effervescence, mild sulfur odor, mildly visually turbid
MW-4	7/30/2013	6.83	13.00	0.95	2.61	NR	NR	8.71	-70.30	Light brown in color, large particles present, minor effervescence, no sheen, no odor, highly visually turbid
MW-8	7/30/2013	9.93	13.70	1.33	3.05	NR	NR	8.17	-63.20	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-12	7/30/2013	2.78	13.70	0.97	3.11	NR	NR	7.99	-62.10	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-17	7/30/2013	7.69	13.00	1.27	2.41	NR	NR	8.41	-162.70	Light brown in color, no sheen, no effervescence, no odor, mildly visually turbid
MW-20	7/30/2013	10.38	13.30	1.23	3.88	NR	NR	8.21	-17.90	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-22	7/30/2013	12.15	13.60	0.91	4.89	NR	NR	8.07	-25.60	Light brown in color, no sheen, no effervescence, no odor, mildly visually turbid
MW-2	10/17/2013	5.12	13.20	0.891	1.05	578.50	0.44	7.65	-97.40	Light brown in color, no sheen, no effervescence, mild sulfur odor, mildly visually turbid
MW-4	10/17/2013	7.50	15.80	0.818	1.02	533.00	0.40	8.07	-90.40	Light brown in color, large particles present, minor effervescence, no sheen, mild odor, highly visually turbid
MW-8	10/17/2013	9.75	11.70	1.025	1.81	669.50	0.51	7.61	-88.40	Light gray/brown in color, no effervescence, no sheen, no odor, mild visually turbid
MW-12	10/17/2013	7.80	9.90	1.026	0.80	669.50	0.51	7.34	-96.70	Light gray/brown in color, no effervescence, no sheen, no odor, mild visually turbid
MW-17	10/17/2013	7.80	11.50	1.115	1.95	728.00	0.66	7.81	-55.50	Light gray in color, no effervescence, no sheen, slight odor, mild visually turbid
MW-20	10/17/2013	10.14	10.80	0.81	7.01	526.50	0.40	7.55	-47.70	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-22	10/17/2013	11.89	9.90	0.829	4.10	539.50	0.41	7.54	-74.70	Light brown in color, no sheen, no effervescence, no odor, mildly visually turbid
MW-2	1/13/2014	4.74	7.50	0.896	0.26	585.00	0.44	7.67	-86.80	Light brown in color, no sheen, no effervescence, mild odor, mildly visually turbid
MW-4	1/13/2014	6.97	6.90	0.749	0.95	486.85	0.37	8.12	-70.70	Light brown in color, large particles present, minor effervescence, no sheen, mild odor, highly visually turbid
MW-8	1/13/2014	9.15	9.40	1.02	0.84	663.00	0.51	7.83	-91.00	Light gray/brown in color, no effervescence, no sheen, no odor, mild visually turbid
MW-12	1/13/2014	1.56	2.40	0.994	1.07	643.50	0.49	7.06	-87.00	Light gray/brown in color, no effervescence, no sheen, no odor, mild visually turbid
MW-17	1/13/2014	6.80	8.00	1.088	0.69	708.50	0.54	7.92	-125.50	Light gray in color, no effervescence, no sheen, slight odor, mild visually turbid
MW-20	1/13/2014	9.42	8.00	0.769	4.05	500.50	0.38	7.84	-34.70	Light gray in color, no effervescence, no sheen, no odor, mild visually turbid
MW-22	1/13/2014	11.08	8.40	0.9	2.33	585.00	0.44	7.78	-52.60	Light brown in color, no sheen, no effervescence, no odor, mildly visually turbid

Notes: NR= Not recorded

Table 2. 4/16/13 - 1/13/14 West Divide Creek BTEX Groundwater Concentrations

Monitoring Station	Sample ID	Lab ID	Sample Date	Benzene (mg/L)				Toluene (mg/L)				Ethylbenzene (mg/L)				Total Xylenes (mg/L)			
				RDL	MDL	Value	Qual	RDL	MDL	Value	Qual	RDL	MDL	Value	Qual	RDL	MDL	Value	Qual
MW-2	MW-2-041613	L630994-01	4/16/2013	0.001	0.00033	0.018		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	0.0032	
MW-4	MW-4-041613	L630994-02	4/16/2013	0.001	0.00033	0.042		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	0.005	
MW-8	MW-8-041613	L630994-03	4/16/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-12	MW-12-041613	L630994-04	4/16/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-17	MW-17-041613	L630994-05	4/16/2013	0.001	0.00033	0.0035		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-20	MW-20-041613	L630994-06	4/16/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-22	MW-22-041613	L630994-07	4/16/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-2	MW-2-073013	L649377-01	7/30/2013	0.001	0.00033	0.018		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-4	MW-4-073013	L649377-02	7/30/2013	0.001	0.00033	0.011		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-8	MW-8-073013	L649377-03	7/30/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-12	MW-12-073013	L649377-04	7/30/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-17	MW-17-073013	L649377-05	7/30/2013	0.001	0.00033	0.013		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-20	MW-20-073013	L649377-06	7/30/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-22	MW-22-073013	L649377-07	7/30/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-2	MW-2-101713	L664031-01	10/17/2013	0.001	0.00033	0.027		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	0.0035	
MW-4	MW-4-101713	L664031-02	10/17/2013	0.001	0.00033	0.031		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	0.004	
MW-8	MW-8-101713	L664031-03	10/17/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-12	MW-12-101713	L664031-04	10/17/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-17	MW-17-101713	L664031-05	10/17/2013	0.001	0.00033	0.015		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-20	MW-20-101713	L664031-06	10/17/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-22	MW-22-101713	L664031-07	10/17/2013	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-2	MW-2-011314	L677933-01	1/13/2014	0.001	0.00033	0.020		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-4	MW-4-011314	L677933-02	1/13/2014	0.001	0.00033	0.032		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	0.0032	
MW-8	MW-8-011314	L677933-03	1/13/2014	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-12	MW-12-011314	L677933-04	1/13/2014	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-17	MW-17-011314	L677933-05	1/13/2014	0.001	0.00033	0.0039		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-20	MW-20-011314	L677933-06	1/13/2014	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	
MW-22	MW-22-011314	L677933-07	1/13/2014	0.001	0.00033	ND		0.005	0.00078	ND		0.001	0.00038	ND		0.003	0.0011	ND	

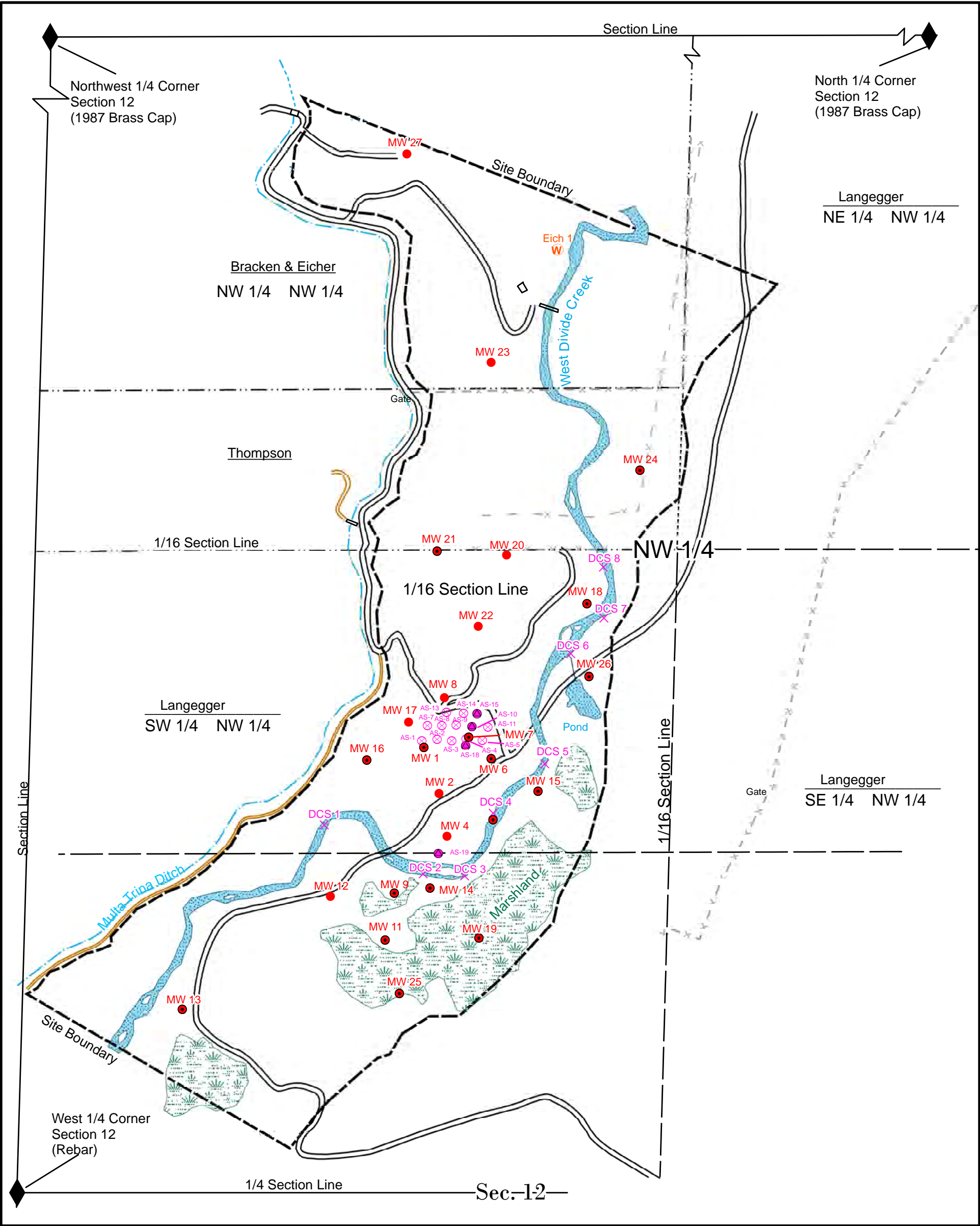
Value exceeds Table 910-1

Table 3. 4/16/13 - 1/13/14 Methane Groundwater Concentrations.

Monitoring Station	Sample ID	Lab ID	Sample Date	Methane (mg/L)			
				RDL	MDL	Value	Qual
MW-2	MW-2-041613	L630994-01	4/16/2013	0.05	0.01	2.6	
MW-4	MW-4-041613	L630994-02	4/16/2013	0.05	0.01	2.8	
MW-8	MW-8-041613	L630994-03	4/16/2013	0.01	0.0021	0.055	
MW-12	MW-12-041613	L630994-04	4/16/2013	0.01	0.0021	<0.010	
MW-17	MW-17-041613	L630994-05	4/16/2013	0.01	0.0021	0.42	
MW-20	MW-20-041613	L630994-06	4/16/2013	0.01	0.0021	<0.010	
MW-22	MW-22-041613	L630994-07	4/16/2013	0.01	0.0021	<0.010	
MW-2	MW-2-073013	L649377-01	7/30/2013	0.05	0.01	1.6	
MW-4	MW-4-073013	L649377-02	7/30/2013	0.05	0.01	1.3	
MW-8	MW-8-073013	L649377-03	7/30/2013	0.01	0.0021	0.051	
MW-12	MW-12-073013	L649377-04	7/30/2013	0.01	0.0021	0.66	
MW-17	MW-17-073013	L649377-05	7/30/2013	0.01	0.0021	1.9	
MW-20	MW-20-073013	L649377-06	7/30/2013	0.01	0.0021	<0.010	
MW-22	MW-22-073013	L649377-07	7/30/2013	0.01	0.0021	<0.010	
MW-2	MW-2-101713	L664031-01	10/17/2013	0.05	0.01	3.4	
MW-4	MW-4-101713	L664031-02	10/17/2013	0.05	0.01	3.8	
MW-8	MW-8-101713	L664031-03	10/17/2013	0.01	0.0021	0.083	
MW-12	MW-12-101713	L664031-04	10/17/2013	0.01	0.0021	0.068	
MW-17	MW-17-101713	L664031-05	10/17/2013	0.01	0.0021	1.5	
MW-20	MW-20-101713	L664031-06	10/17/2013	0.01	0.0021	0.016	
MW-22	MW-22-101713	L664031-07	10/17/2013	0.01	0.0021	<0.010	
MW-2	MW-2-011314	L677933-01	1/13/2014	0.01	0.0021	2.3	
MW-4	MW-4-011314	L677933-02	1/13/2014	0.01	0.0021	4.0	
MW-8	MW-8-011314	L677933-03	1/13/2014	0.01	0.0021	0.074	
MW-12	MW-12-011314	L677933-04	1/13/2014	0.01	0.0021	0.057	
MW-17	MW-17-011314	L677933-05	1/13/2014	0.01	0.0021	1.0	
MW-20	MW-20-011314	L677933-06	1/13/2014	0.01	0.0021	<0.010	
MW-22	MW-22-011314	L677933-07	1/13/2014	0.01	0.0021	<0.010	

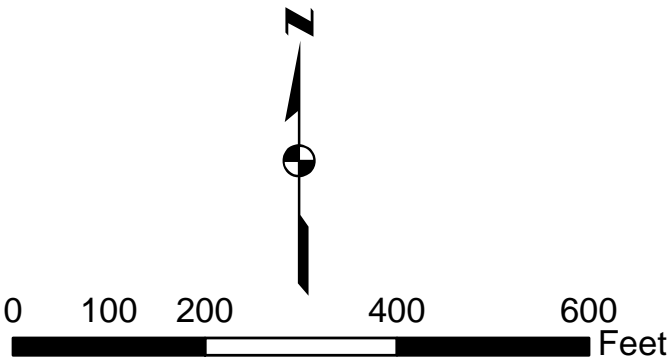
Note: No Methane Standard for Groundwater in COGCC Table 910-1

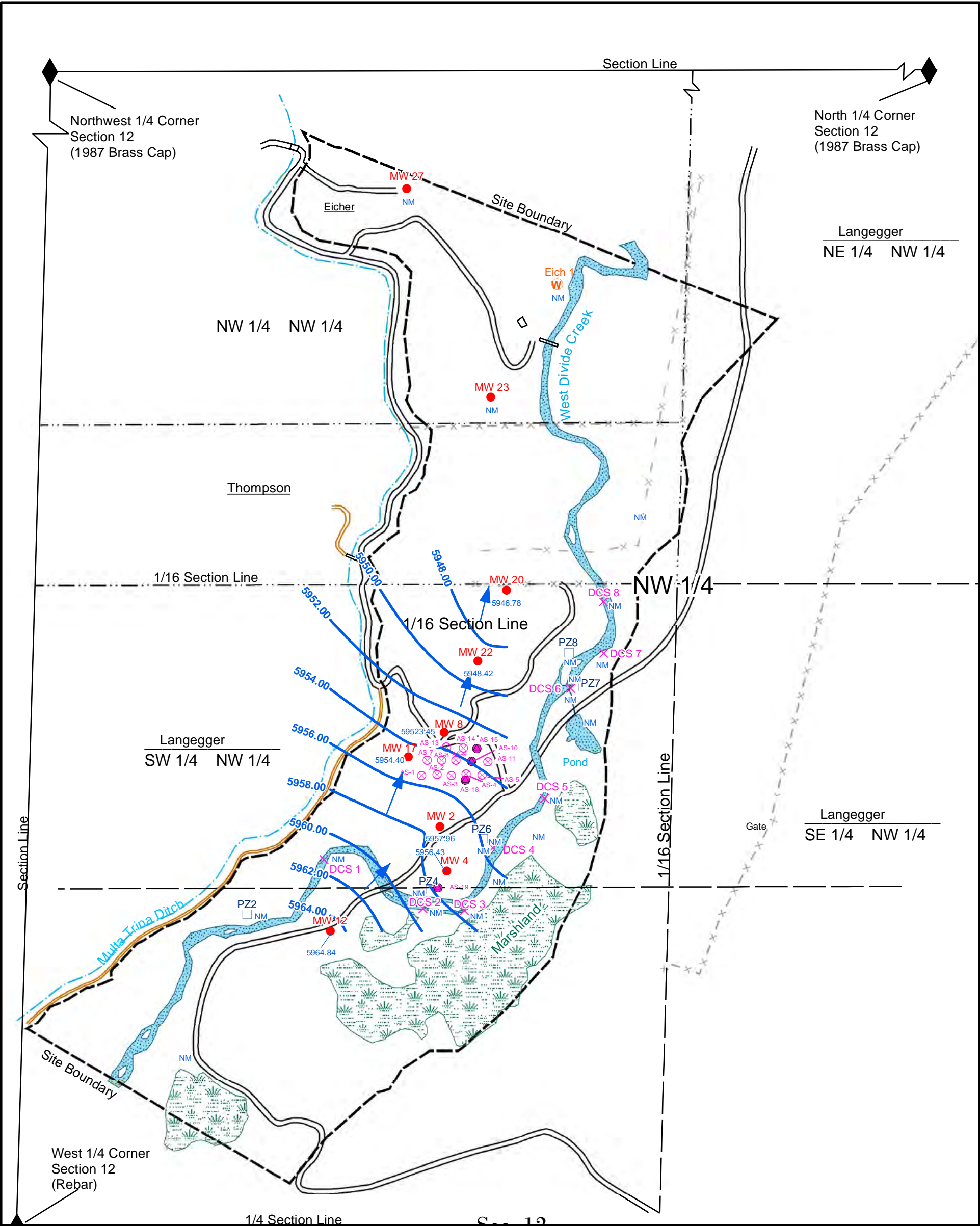
Figures



Legend

- Site Boundary
- Road
- .-.- Drainage
- x - x - Fence
- x - - Old Fence
- - - Property Line
- Trail
- ⊗ Air Sparge
- × Divide Creek Sample Location
- Monitoring Well Location
- Abandoned or Plugged Monitoring Well Location
- Nested Air Sparge Well Location
- Piezometer Location
- ◆ Section Corners



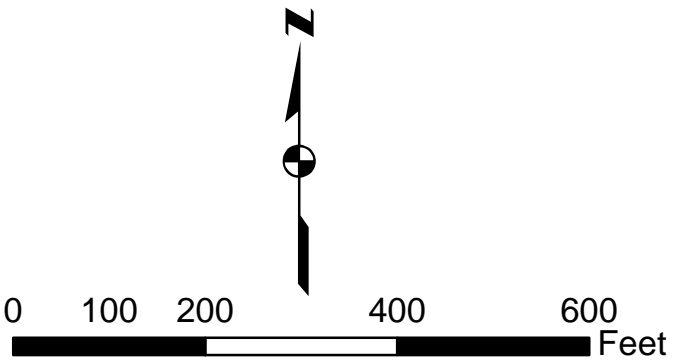


Legend

- Site Boundary
- Road
- Drainage
- Fence
- Old Fence
- Property Line
- Trail
- Air_Sparge_unconverted
- Divide Creek Sample Location
- Monitoring Well Location
- Abandoned or Plugged Monitoring Well Location
- Nested Air Sparge Well Location
- Piezometer Location
- Section Corners

Groundwater Legend

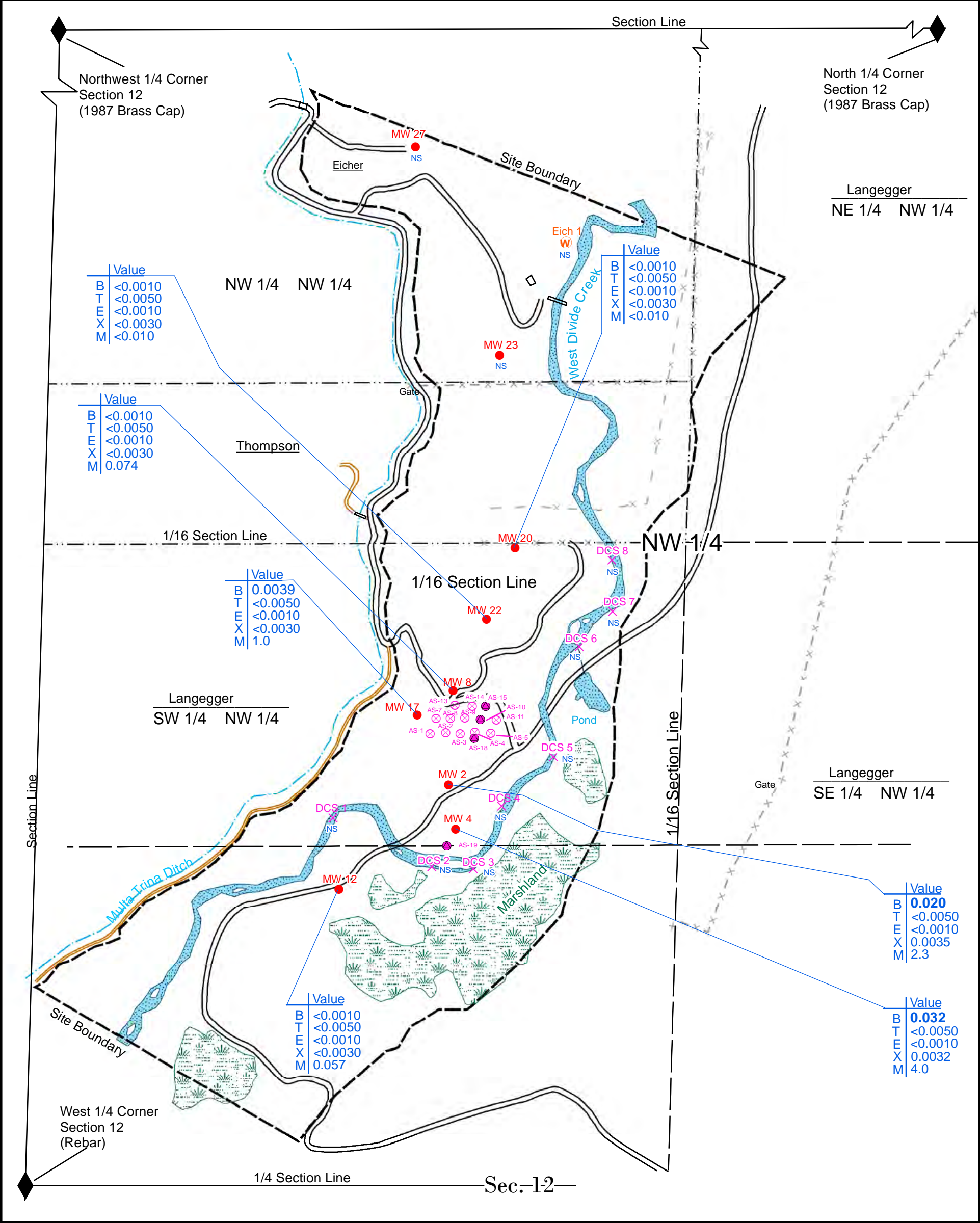
- 5940.00 = Groundwater Elevation Contour (Feet)
- 5940.17 = Groundwater Elevation (Feet)
- NM = Not Measured
- * = Data not used in contouring
- Flow Vector



Rule Engineering, LLC
Solutions to Regulations for Industry



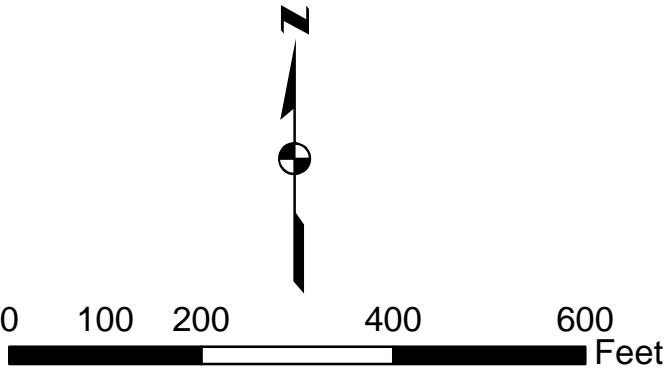
**Groundwater Elevation Map
January 2014**

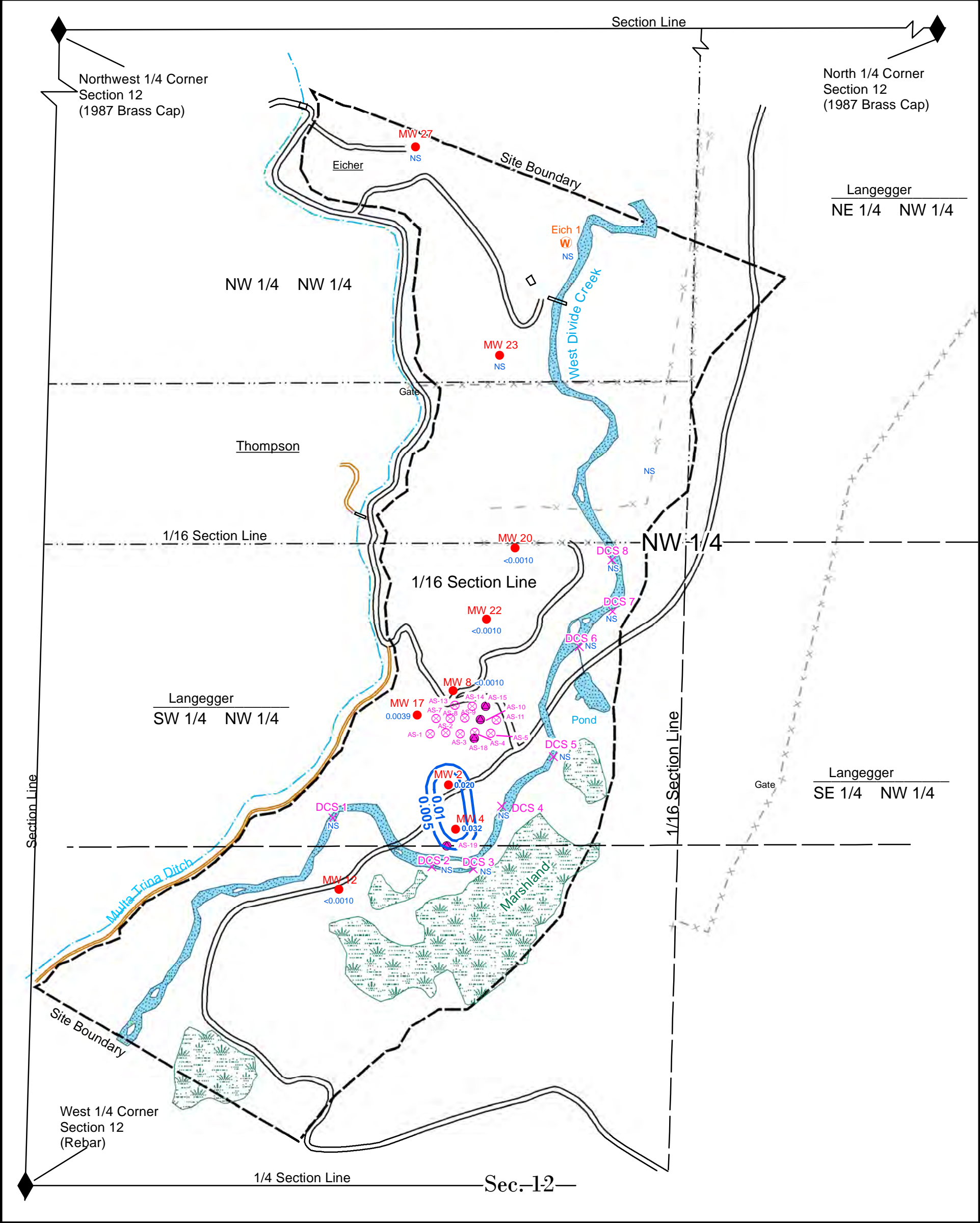


Legend

- Site Boundary
- Road
- Drainage
- Fence
- Old Fence
- Property Line
- Trail
- Air Sparge
- Divide Creek Sample Location
- Monitoring Well Location
- Abandoned or Plugged Monitoring Well Location
- Nested Air Sparge Well Location
- Piezometer Location
- Section Corners

Chemical Data
B = Benzene (mg/L)
T = Toluene (mg/L)
E = Ethylbenzene (mg/L)
X = Xylenes (mg/L)
M = Total Methane (mg/L)
NS = Not Sampled
NA = Not Analyzed





- Legend**
- Site Boundary
 - Road
 - Drainage
 - Fence
 - Old Fence
 - Property Line
 - Trail
 - Air Sparge
 - Divide Creek Sample Location
 - Monitoring Well Location
 - Abandoned or Plugged Monitoring Well Location
 - Nested Air Sparge Well Location
 - Piezometer Location
 - Section Corners

Chemical Data

0.005 = Benzene Concentration Contour (mg/L)
0.045 = Benzene Concentration (mg/L)
NS = Not Sampled

Rule Engineering, LLC
Solutions to Regulations for Industry



**Dissolved Benzene Concentrations
January 2014**

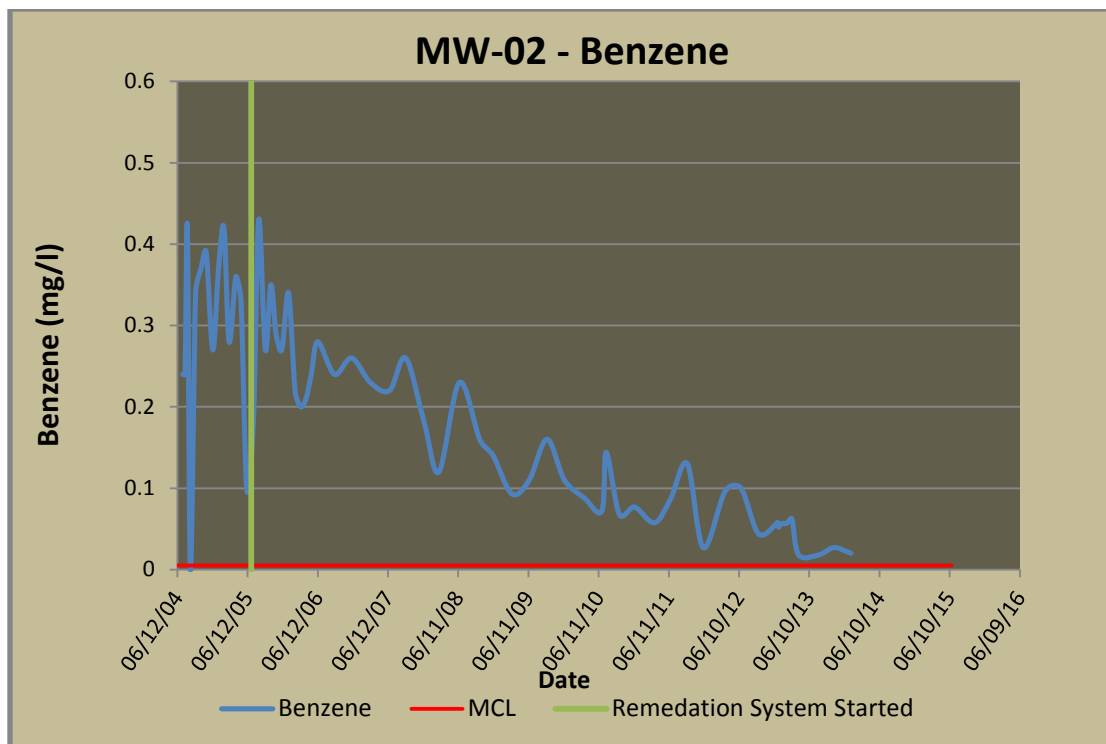


Figure 5 (MW-02 Historical Benzene Concentrations)

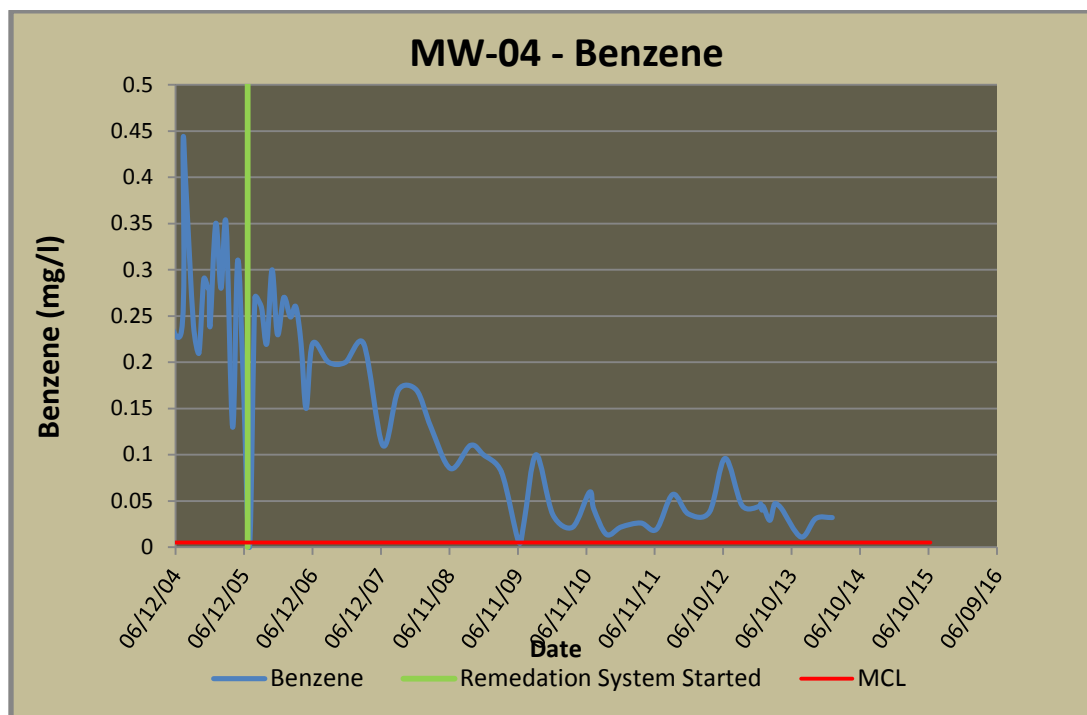


Figure 6 (MW-04 Historical Benzene Concentrations)

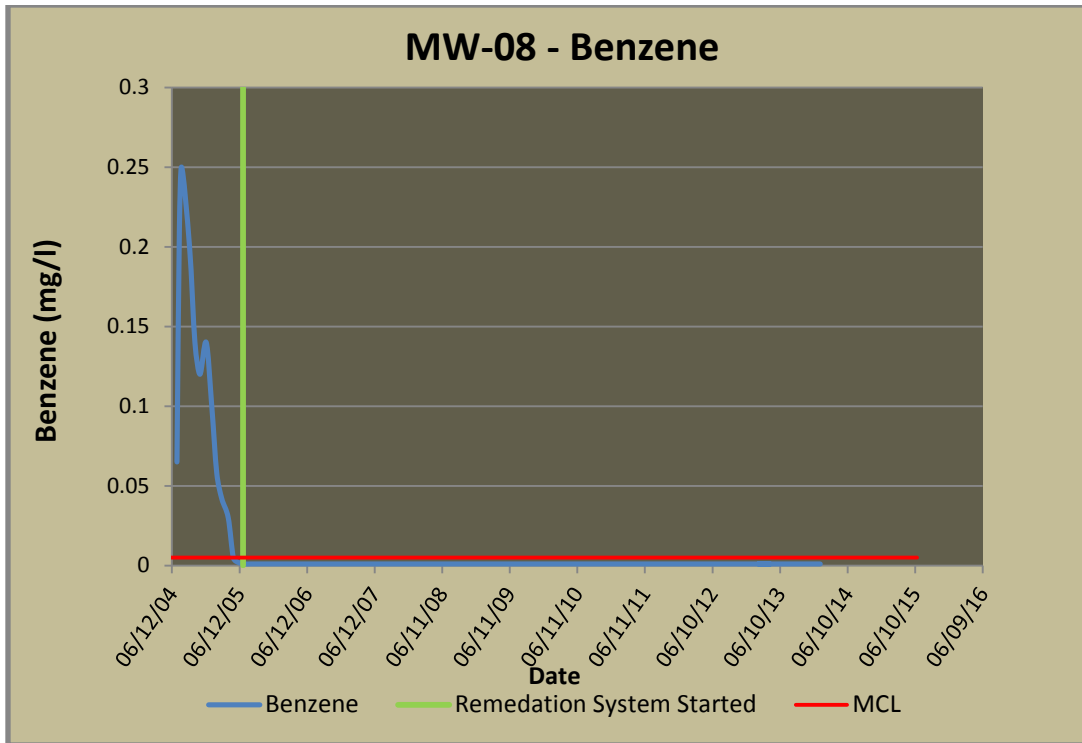


Figure 7 (MW-08 Historical Benzene Concentrations)

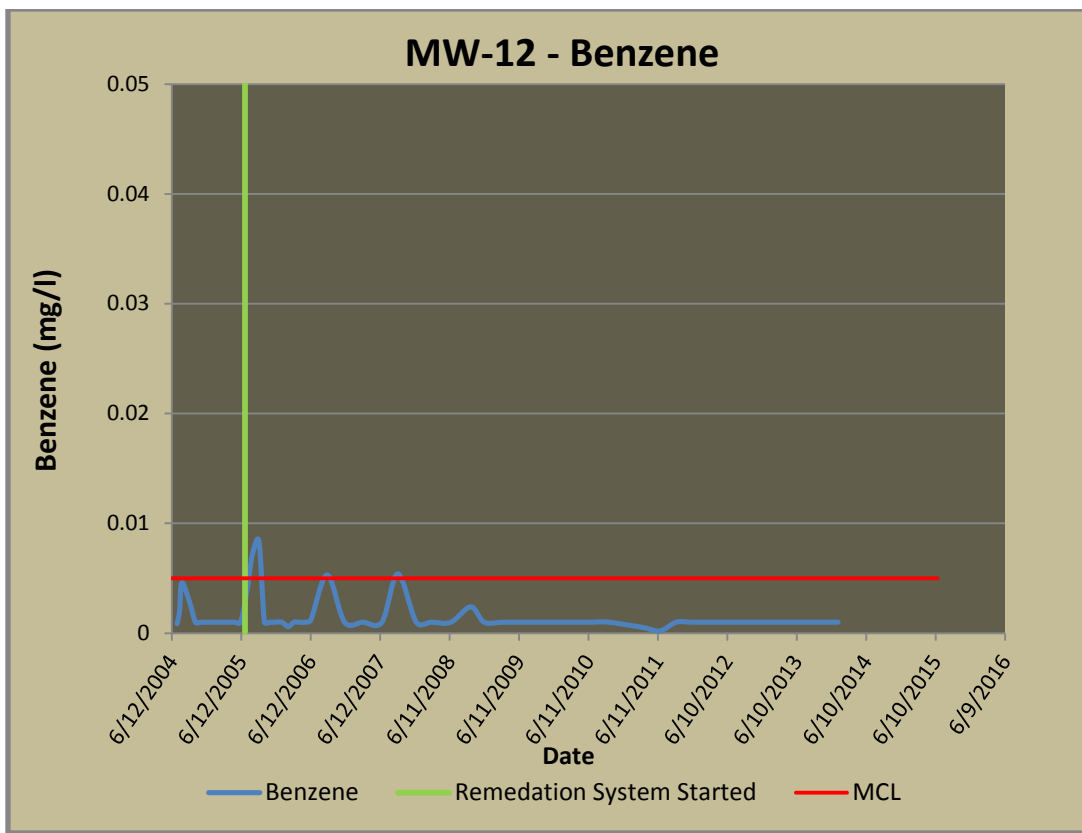


Figure 8 (MW-12 Historical Benzene Concentrations)

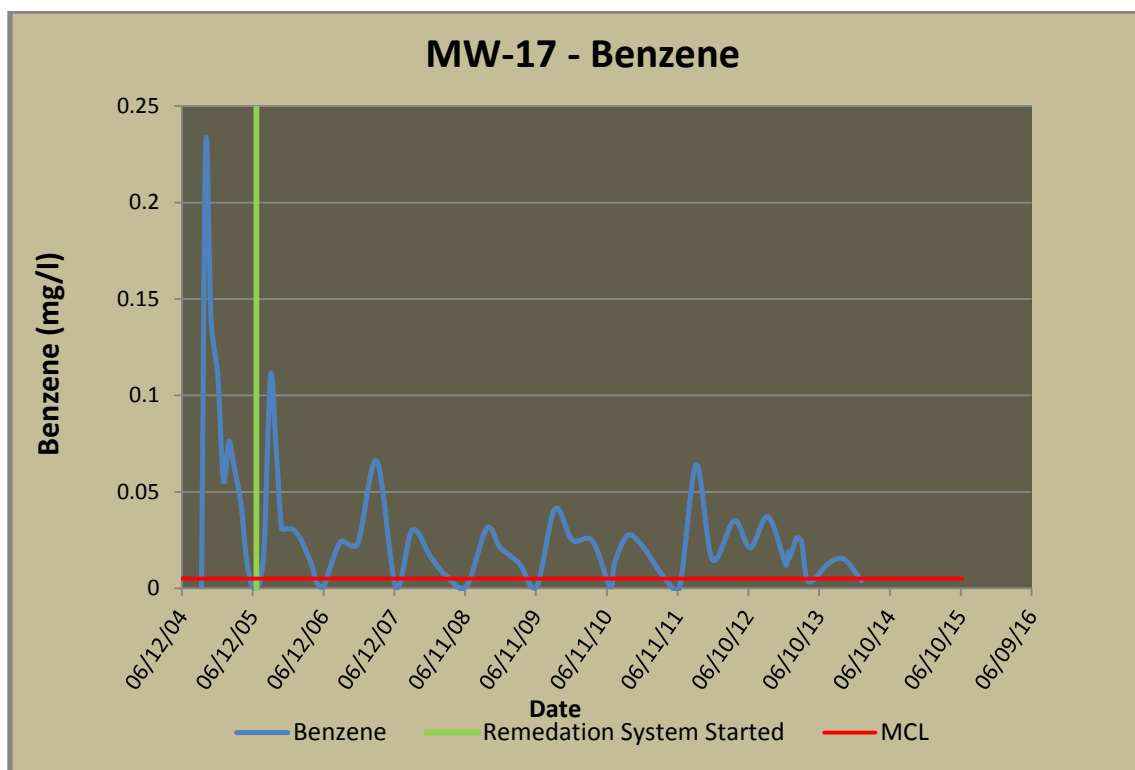


Figure 9 (MW-17 Historical Benzene Concentrations)

Appendix A



12065 Lebanon Rd.
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

Report Summary

Thursday January 16, 2014

Report Number: L677933

Samples Received: 01/14/14

Client Project: WDC-O2E

Description: West Divide Creek-Quarterly

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-IN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

January 16, 2014

Date Received : January 14, 2014
Description : West Divide Creek-Quarterly
Sample ID : MW-2-011314
Collected By : Shad Johnson
Collection Date : 01/13/14 10:30

ESC Sample # : L677933-01

Site ID : WDC

Project # : WDC-O2E

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	2.3	0.050	mg/l	RSK175	01/15/14	5
Ethane	0.36	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	0.086	0.019	mg/l	RSK175	01/15/14	1
Benzene	0.020	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	103.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	108.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	106.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 01/16/14 10:18 Printed: 01/16/14 10:19



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859
 Tax I.D. 62-0814289
 Est. 1970

REPORT OF ANALYSIS

Chris Hines
 EnCana Oil & Gas - Parachute, CO
 143 Diamond Avenue
 Parachute, CO 81635

January 16, 2014

Date Received : January 14, 2014
 Description : West Divide Creek-Quarterly
 Sample ID : MW-4-011314
 Collected By : Shad Johnson
 Collection Date : 01/13/14 10:50

ESC Sample # : L677933-02
 Site ID : WDC
 Project # : WDC-O2E

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	4.0	0.10	mg/l	RSK175	01/15/14	10
Ethane	0.73	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	0.24	0.019	mg/l	RSK175	01/15/14	1
Benzene	0.032	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	0.0032	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	104.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	106.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	107.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)
 Note:
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 .
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REPORT OF ANALYSIS

Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

January 16, 2014

Date Received : January 14, 2014
Description : West Divide Creek-Quarterly
Sample ID : MW-8-011314
Collected By : Shad Johnson
Collection Date : 01/13/14 11:15

ESC Sample # : L677933-03

Site ID : WDC

Project # : WDC-02E

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	0.074	0.010	mg/l	RSK175	01/15/14	1
Ethane	BDL	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	BDL	0.019	mg/l	RSK175	01/15/14	1
Benzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	105.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	106.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

January 16, 2014

Date Received : January 14, 2014
Description : West Divide Creek-Quarterly
Sample ID : MW-12-011314
Collected By : Shad Johnson
Collection Date : 01/13/14 11:45

ESC Sample # : L677933-04

Site ID : WDC

Project # : WDC-O2E

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	0.057	0.010	mg/l	RSK175	01/15/14	1
Ethane	BDL	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	BDL	0.019	mg/l	RSK175	01/15/14	1
Benzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	109.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	106.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	107.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	106.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

January 16, 2014

Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

ESC Sample # : L677933-05

Date Received : January 14, 2014
Description : West Divide Creek-Quarterly

Site ID : WDC

Sample ID : MW-17-011314

Project # : WDC-O2E

Collected By : Shad Johnson
Collection Date : 01/13/14 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	1.0	0.020	mg/l	RSK175	01/15/14	2
Ethane	0.17	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	BDL	0.019	mg/l	RSK175	01/15/14	1
Benzene	0.0039	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	103.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	106.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	103.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

January 16, 2014

Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

Date Received : January 14, 2014
Description : West Divide Creek-Quarterly
Sample ID : MW-20-011314
Collected By : Shad Johnson
Collection Date : 01/13/14 12:20

ESC Sample # : L677933-06

Site ID : WDC

Project # : WDC-O2E

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	0.010	mg/l	RSK175	01/15/14	1
Ethane	BDL	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	BDL	0.019	mg/l	RSK175	01/15/14	1
Benzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	106.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	108.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	105.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

January 16, 2014

Chris Hines
EnCana Oil & Gas - Parachute, CO
143 Diamond Avenue
Parachute, CO 81635

Date Received : January 14, 2014
Description : West Divide Creek-Quarterly
Sample ID : MW-22-011314
Collected By : Shad Johnson
Collection Date : 01/13/14 12:40

ESC Sample # : L677933-07

Site ID : WDC

Project # : WDC-O2E

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	BDL	0.010	mg/l	RSK175	01/15/14	1
Ethane	BDL	0.013	mg/l	RSK175	01/15/14	1
Ethene	BDL	0.013	mg/l	RSK175	01/15/14	1
Propane	BDL	0.019	mg/l	RSK175	01/15/14	1
Benzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Toluene	BDL	0.0050	mg/l	8260B	01/15/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/15/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	01/15/14	1
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	01/15/14	1
Dibromofluoromethane	107.		% Rec.	8260B	01/15/14	1
a,a,a-Trifluorotoluene	107.		% Rec.	8260B	01/15/14	1
4-Bromofluorobenzene	105.		% Rec.	8260B	01/15/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 01/16/14 10:18 Printed: 01/16/14 10:19

Summary of Remarks For Samples Printed
01/16/14 at 10:19:11

TSR Signing Reports: 358
R5 - Desired TAT

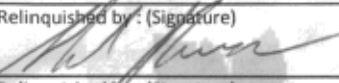
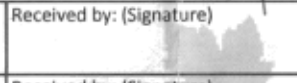
Log all PAHs as PAHSIM. Log all BTEX waters by 8260. Log ALL samples for EDD (COGCC EDD).

Sample: L677933-01 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl
Sample: L677933-02 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl
Sample: L677933-03 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl
Sample: L677933-04 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl
Sample: L677933-05 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl
Sample: L677933-06 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl
Sample: L677933-07 Account: ENCANACO Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/16/14 10:18
all vials preserved with HCl

Company Name/Address: Encana 143 Diamond Ave Parachute, CO 81635 *ENCRCO - ENCRCO-RULEENG				Billing Information: Charles Jensen 143 Diamond Ave Parachute, CO 81635 970-285-2735				Analysis / Container / Preservative										Chain of Custody Page ____ of ____  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 			
Report to: Charles Jensen				Email To: charles.jensen@encana.com				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8260)</div> <div>CH4</div> </div>													
Project Description: West Divide Creek-Quarterly				City/State Collected: CO																	
Phone: Fax: 970-285-2735		Client Project # WDC-O2E		Lab Project # ENCRCO-RULEENG																	
Collected by (print): Shad Johnson		Site/Facility ID # WDC		P.O. #																	
Collected by (signature):  Immediately Packed on Ice N ____ Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) ____ Same Day200% ____ Next Day100% ____ Two Day50% ____ Three Day25%		Date Results Needed Email? ____ No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No ____ Yes																	
No. of Cntrs		Sample ID		Comp/Grab	Matrix *	Depth	Date	Time											Rem./Contaminant	Sample # (lab only)	
6		MW-2-011314		Grab	GW	NA	1/13/14	1030												-01	
6		MW-4-011314		Grab	GW	NA	1/13/14	1050												-02	
6		MW-8-011314		Grab	GW	NA	1/13/14	1115												-03	
6		MW-12-011314		Grab	GW	NA	1/13/14	1145												-04	
6		MW-17-011314		Grab	GW	NA	1/13/14	1200												-05	
6		MW-20-011314		Grab	GW	NA	1/13/14	1220												-06	
6		MW-22-011314		Grab	GW	NA	1/13/14	1240												-07	

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks: 362239291089

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Hold #
	1-13-14	1545		Temp: 3.8 °C Bottles Received: 42 yr	Condition: 5 (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.8 °C Bottles Received: 42 yr	COC Seal Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/14/14 Time: 0900	pH Checked: NCF:

Appendix B

(Electronic Attachment)