



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

Mr. Dan Prokop  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

## Report Summary

Monday April 12, 2010

Report Number: L452919

Samples Received: 04/08/10

Client Project:

Description: Moon Well Sampling

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:

\_\_\_\_\_  
John D. Blackman , ESC Representative

### *Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : FAUCET-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 08:50

ESC Sample # : L452919-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	1.2	0.040	mg/l	RSK175	04/08/10	4

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON1-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 11:15

ESC Sample # : L452919-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	5.6	0.10	mg/l	RSK175	04/08/10	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON2-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 10:20

ESC Sample # : L452919-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	2.2	0.10	mg/l	RSK175	04/08/10	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : DUP01-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 00:00

ESC Sample # : L452919-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methane	5.6	0.10	mg/l	RSK175	04/08/10	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : FAUCET-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 08:50

ESC Sample # : L452919-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	04/10/10	1
Acrolein	BDL	0.050	mg/l	8260B	04/10/10	1
Acrylonitrile	BDL	0.010	mg/l	8260B	04/10/10	1
Benzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromoform	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromomethane	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Chloroethane	BDL	0.0050	mg/l	8260B	04/10/10	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	04/10/10	1
Chloroform	BDL	0.0050	mg/l	8260B	04/10/10	1
Chloromethane	BDL	0.0025	mg/l	8260B	04/10/10	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Dibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	04/10/10	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : FAUCET-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 08:50

ESC Sample # : L452919-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	04/10/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Naphthalene	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Styrene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	04/10/10	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Toluene	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	04/10/10	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	04/10/10	1
Dibromofluoromethane	108.		% Rec.	8260B	04/10/10	1
4-Bromofluorobenzene	111.		% Rec.	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON1-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 11:15

ESC Sample # : L452919-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	04/10/10	1
Acrolein	BDL	0.050	mg/l	8260B	04/10/10	1
Acrylonitrile	BDL	0.010	mg/l	8260B	04/10/10	1
Benzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromoform	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromomethane	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Chloroethane	BDL	0.0050	mg/l	8260B	04/10/10	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	04/10/10	1
Chloroform	BDL	0.0050	mg/l	8260B	04/10/10	1
Chloromethane	BDL	0.0025	mg/l	8260B	04/10/10	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Dibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	04/10/10	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON1-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 11:15

ESC Sample # : L452919-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	04/10/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Naphthalene	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Styrene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	04/10/10	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Toluene	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	04/10/10	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	04/10/10	1
Dibromofluoromethane	103.		% Rec.	8260B	04/10/10	1
4-Bromofluorobenzene	109.		% Rec.	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON2-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 10:20

ESC Sample # : L452919-07

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	04/10/10	1
Acrolein	BDL	0.050	mg/l	8260B	04/10/10	1
Acrylonitrile	BDL	0.010	mg/l	8260B	04/10/10	1
Benzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromoform	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromomethane	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Chloroethane	BDL	0.0050	mg/l	8260B	04/10/10	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	04/10/10	1
Chloroform	BDL	0.0050	mg/l	8260B	04/10/10	1
Chloromethane	BDL	0.0025	mg/l	8260B	04/10/10	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Dibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	04/10/10	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON2-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 10:20

ESC Sample # : L452919-07

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	04/10/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Naphthalene	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Styrene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	04/10/10	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Toluene	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	04/10/10	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	04/10/10	1
Dibromofluoromethane	119.		% Rec.	8260B	04/10/10	1
4-Bromofluorobenzene	112.		% Rec.	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : DUP01-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 00:00

ESC Sample # : L452919-08

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	04/10/10	1
Acrolein	BDL	0.050	mg/l	8260B	04/10/10	1
Acrylonitrile	BDL	0.010	mg/l	8260B	04/10/10	1
Benzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromoform	BDL	0.0010	mg/l	8260B	04/10/10	1
Bromomethane	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Chloroethane	BDL	0.0050	mg/l	8260B	04/10/10	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	04/10/10	1
Chloroform	BDL	0.0050	mg/l	8260B	04/10/10	1
Chloromethane	BDL	0.0025	mg/l	8260B	04/10/10	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Dibromomethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/10/10	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	04/10/10	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : DUP01-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 00:00

ESC Sample # : L452919-08

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	04/10/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	04/10/10	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	04/10/10	1
Naphthalene	BDL	0.0050	mg/l	8260B	04/10/10	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Styrene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	04/10/10	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Toluene	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichloroethene	BDL	0.0010	mg/l	8260B	04/10/10	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	04/10/10	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/10/10	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	04/10/10	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	04/10/10	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	04/10/10	1
Dibromofluoromethane	102.		% Rec.	8260B	04/10/10	1
4-Bromofluorobenzene	110.		% Rec.	8260B	04/10/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Est. 1970

# REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : FAUCET-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 08:50

ESC Sample # : L452919-09

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	1.3	1.0	mg/l	9056	04/09/10	1
Nitrate	BDL	0.10	mg/l	9056	04/09/10	1
Nitrite	BDL	0.10	mg/l	9056	04/09/10	1
Alkalinity	220	20.	mg/l	2320B	04/09/10	1
Alkalinity,Bicarbonate	220	20.	mg/l	2320B	04/09/10	1
Alkalinity,Carbonate	BDL	20.	mg/l	2320B	04/09/10	1
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	04/12/10	1
pH	8.4		su	9040C	04/09/10	1
Sulfide	BDL	0.050	mg/l	4500-S2 D	04/08/10	1
Specific Conductance	1500		umhos/cm	9050A	04/08/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L452919-09 (PH) - 8.4@19.4c



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Tax I.D. 62-0814289

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# REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON1-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 11:15

ESC Sample # : L452919-10

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	BDL	1.0	mg/l	9056	04/08/10	1
Chloride	90.	1.0	mg/l	9056	04/08/10	1
Fluoride	2.7	0.10	mg/l	9056	04/08/10	1
Nitrate	0.16	0.10	mg/l	9056	04/08/10	1
Nitrite	0.52	0.10	mg/l	9056	04/08/10	1
Alkalinity	360	20.	mg/l	2320B	04/09/10	1
Alkalinity,Bicarbonate	360	20.	mg/l	2320B	04/09/10	1
Alkalinity,Carbonate	BDL	20.	mg/l	2320B	04/09/10	1
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	04/12/10	1
pH	8.2		su	9040C	04/09/10	1
Sulfide	BDL	0.050	mg/l	4500-S2 D	04/08/10	1
Specific Conductance	2400		umhos/cm	9050A	04/08/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L452919-10 (PH) - 8.2@19.1c



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Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : MOON2-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 10:20

ESC Sample # : L452919-11

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	1.3	1.0	mg/l	9056	04/08/10	1
Fluoride	5.6	0.10	mg/l	9056	04/08/10	1
Nitrate	BDL	0.10	mg/l	9056	04/08/10	1
Nitrite	BDL	0.10	mg/l	9056	04/08/10	1
Alkalinity	220	20.	mg/l	2320B	04/09/10	1
Alkalinity,Bicarbonate	220	20.	mg/l	2320B	04/09/10	1
Alkalinity,Carbonate	BDL	20.	mg/l	2320B	04/09/10	1
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	04/12/10	1
pH	8.6		su	9040C	04/09/10	1
Sulfide	BDL	0.050	mg/l	4500-S2 D	04/08/10	1
Specific Conductance	1600		umhos/cm	9050A	04/08/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L452919-11 (PH) - 8.6@19.1c





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Est. 1970

# REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

April 12, 2010

Date Received : April 08, 2010  
Description : Moon Well Sampling

Sample ID : DUP01-040710

Collected By : Aaron Stacy  
Collection Date : 04/07/10 00:00

ESC Sample # : L452919-12

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	BDL	1.0	mg/l	9056	04/08/10	1
Chloride	90.	1.0	mg/l	9056	04/08/10	1
Fluoride	2.7	0.10	mg/l	9056	04/08/10	1
Nitrate	0.14	0.10	mg/l	9056	04/08/10	1
Nitrite	0.51	0.10	mg/l	9056	04/08/10	1
Alkalinity	370	20.	mg/l	2320B	04/09/10	1
Alkalinity,Bicarbonate	370	20.	mg/l	2320B	04/09/10	1
Alkalinity,Carbonate	BDL	20.	mg/l	2320B	04/09/10	1
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	04/12/10	1
pH	8.2		su	9040C	04/09/10	1
Sulfide	BDL	0.050	mg/l	4500-S2 D	04/08/10	1
Specific Conductance	2400		umhos/cm	9050A	04/08/10	1
Dissolved Solids	1500	10.	mg/l	2540C	04/12/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L452919-12 (PH) - 8.2@19.0c

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L452919-09	WG472202	SAMP	pH	R1179548	T8
L452919-10	WG472202	SAMP	pH	R1179548	T8
L452919-11	WG472202	SAMP	pH	R1179548	T8
L452919-12	WG472202	SAMP	pH	R1179548	T8

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
04/12/10 at 16:32:02

TSR Signing Reports: 151  
R1 - Rush: Sameday

Sample: L452919-01 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/08/10 00:00 RPT Date:  
RSK175 is for methane only.  
Sample: L452919-02 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/08/10 00:00 RPT Date:  
RSK175 is for methane only.  
Sample: L452919-03 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/08/10 00:00 RPT Date:  
RSK175 is for methane only.  
Sample: L452919-04 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/08/10 00:00 RPT Date:  
RSK175 is for methane only.  
Sample: L452919-05 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/12/10 00:00 RPT Date:  
  
Sample: L452919-06 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/12/10 00:00 RPT Date:  
  
Sample: L452919-07 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/12/10 00:00 RPT Date:  
  
Sample: L452919-08 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/12/10 00:00 RPT Date:  
  
Sample: L452919-09 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/15/10 00:00 RPT Date:  
  
Sample: L452919-10 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/15/10 00:00 RPT Date:  
  
Sample: L452919-11 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/15/10 00:00 RPT Date:  
  
Sample: L452919-12 Account: ENCRCO Received: 04/08/10 09:00 Due Date: 04/15/10 00:00 RPT Date:



Encana  
Brett Middleton  
2717 Co. Rd. 215

Parachute, CO 81635

Quality Assurance Report  
Level II

L452919

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

April 12, 2010

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Methane	< .01	mg/l			WG471973	04/08/10 12:44
Specific Conductance	0.970	umhos/cm			WG471890	04/08/10 19:00
Sulfide	< .05	mg/l			WG471876	04/08/10 15:20
Bromide	< 1	mg/l			WG471964	04/08/10 08:06
Chloride	< 1	mg/l			WG471964	04/08/10 08:06
Fluoride	< .1	mg/l			WG471964	04/08/10 08:06
Nitrate	< .1	mg/l			WG471964	04/08/10 08:06
Nitrite	< .1	mg/l			WG471964	04/08/10 08:06
Bromide	< 1	mg/l			WG471964	04/08/10 18:15
Chloride	< 1	mg/l			WG471964	04/08/10 18:15
Fluoride	< .1	mg/l			WG471964	04/08/10 18:15
Nitrate	< .1	mg/l			WG471964	04/08/10 18:15
Nitrite	< .1	mg/l			WG471964	04/08/10 18:15
Alkalinity	< 20	mg/l			WG472271	04/09/10 13:44
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,1,1-Trichloroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,1,2-Trichloroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,1-Dichloroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,1-Dichloroethene	< .001	mg/l			WG472321	04/10/10 10:10
1,1-Dichloropropene	< .001	mg/l			WG472321	04/10/10 10:10
1,2,3-Trichlorobenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,2,3-Trichloropropane	< .001	mg/l			WG472321	04/10/10 10:10
1,2,3-Trimethylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,2,4-Trichlorobenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,2,4-Trimethylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG472321	04/10/10 10:10
1,2-Dibromoethane	< .001	mg/l			WG472321	04/10/10 10:10
1,2-Dichlorobenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,2-Dichloroethane	< .001	mg/l			WG472321	04/10/10 10:10
1,2-Dichloropropane	< .001	mg/l			WG472321	04/10/10 10:10
1,3,5-Trimethylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,3-Dichlorobenzene	< .001	mg/l			WG472321	04/10/10 10:10
1,3-Dichloropropane	< .001	mg/l			WG472321	04/10/10 10:10
1,4-Dichlorobenzene	< .001	mg/l			WG472321	04/10/10 10:10
2,2-Dichloropropane	< .001	mg/l			WG472321	04/10/10 10:10
2-Butanone (MEK)	< .01	mg/l			WG472321	04/10/10 10:10
2-Chloroethyl vinyl ether	< .001	mg/l			WG472321	04/10/10 10:10
2-Chlorotoluene	< .001	mg/l			WG472321	04/10/10 10:10
4-Chlorotoluene	< .001	mg/l			WG472321	04/10/10 10:10
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG472321	04/10/10 10:10
Acetone	< .05	mg/l			WG472321	04/10/10 10:10
Acrolein	< .05	mg/l			WG472321	04/10/10 10:10
Acrylonitrile	< .01	mg/l			WG472321	04/10/10 10:10
Benzene	< .001	mg/l			WG472321	04/10/10 10:10
Bromobenzene	< .001	mg/l			WG472321	04/10/10 10:10
Bromodichloromethane	< .001	mg/l			WG472321	04/10/10 10:10
Bromoform	< .001	mg/l			WG472321	04/10/10 10:10

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



Encana  
Brett Middleton  
2717 Co. Rd. 215  
Parachute, CO 81635

Quality Assurance Report  
Level II

L452919

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

April 12, 2010

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Bromomethane	< .005	mg/l			WG472321	04/10/10 10:10
Carbon tetrachloride	< .001	mg/l			WG472321	04/10/10 10:10
Chlorobenzene	< .001	mg/l			WG472321	04/10/10 10:10
Chlorodibromomethane	< .001	mg/l			WG472321	04/10/10 10:10
Chloroethane	< .001	mg/l			WG472321	04/10/10 10:10
Chloroform	< .005	mg/l			WG472321	04/10/10 10:10
Chloromethane	< .001	mg/l			WG472321	04/10/10 10:10
cis-1,2-Dichloroethene	< .001	mg/l			WG472321	04/10/10 10:10
cis-1,3-Dichloropropene	< .001	mg/l			WG472321	04/10/10 10:10
Di-isopropyl ether	< .001	mg/l			WG472321	04/10/10 10:10
Dibromomethane	< .001	mg/l			WG472321	04/10/10 10:10
Dichlorodifluoromethane	< .005	mg/l			WG472321	04/10/10 10:10
Ethylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
Hexachloro-1,3-butadiene	< .001	mg/l			WG472321	04/10/10 10:10
Isopropylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
Methyl tert-butyl ether	< .001	mg/l			WG472321	04/10/10 10:10
Methylene Chloride	< .005	mg/l			WG472321	04/10/10 10:10
n-Butylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
n-Propylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
Naphthalene	< .005	mg/l			WG472321	04/10/10 10:10
p-Isopropyltoluene	< .001	mg/l			WG472321	04/10/10 10:10
sec-Butylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
Styrene	< .001	mg/l			WG472321	04/10/10 10:10
tert-Butylbenzene	< .001	mg/l			WG472321	04/10/10 10:10
Tetrachloroethene	< .001	mg/l			WG472321	04/10/10 10:10
Toluene	< .005	mg/l			WG472321	04/10/10 10:10
trans-1,2-Dichloroethene	< .001	mg/l			WG472321	04/10/10 10:10
trans-1,3-Dichloropropene	< .001	mg/l			WG472321	04/10/10 10:10
Trichloroethene	< .001	mg/l			WG472321	04/10/10 10:10
Trichlorofluoromethane	< .005	mg/l			WG472321	04/10/10 10:10
Vinyl chloride	< .001	mg/l			WG472321	04/10/10 10:10
Xylenes, Total	< .003	mg/l			WG472321	04/10/10 10:10
4-Bromofluorobenzene		% Rec.	110.3	75-128	WG472321	04/10/10 10:10
Dibromofluoromethane		% Rec.	106.5	79-125	WG472321	04/10/10 10:10
Toluene-d8		% Rec.	105.7	87-114	WG472321	04/10/10 10:10
pH	5.20	su			WG472202	04/09/10 16:45
Ammonia Nitrogen	< .1	mg/l			WG472135	04/12/10 09:00
Dissolved Solids	< 10	mg/l			WG472236	04/12/10 13:04

Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Specific Conductance	umhos/cm	1400	1400		1.84	20	L452438-01	WG471890
Specific Conductance	umhos/cm	2300	2300		1.01	20	L452926-05	WG471890
Sulfide	mg/l	0.130	0.120		8.00	20	L452926-05	WG471876
Sulfide	mg/l	0	0		0	20	L452154-03	WG471876
Fluoride	mg/l	0	0		0	20	L451998-05	WG471964

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Parachute, CO 81635

Quality Assurance Report  
Level II

L452919

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Tax I.D. 62-0814289

Est. 1970

April 12, 2010

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Alkalinity	mg/l	300.	300.	0.664	20	L452926-05	WG472271
Alkalinity	mg/l	320.	320.	0.627	20	L452402-01	WG472271
pH	su	8.10	8.10	0	1	L452885-01	WG472202
Ammonia Nitrogen	mg/l	0	0	0	20	L452926-05	WG472135
Ammonia Nitrogen	mg/l	0.620	0.690	9.89	20	L452660-01	WG472135
Dissolved Solids	mg/l	1600	1500	6.26*	5	L452919-12	WG472236

  

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Methane	mg/l	.339	0.322	95.0	70-130	WG471973
Specific Conductance	umhos/cm	406	410.	101.	85-115	WG471890
Sulfide	mg/l	.5	0.511	102.	85-115	WG471876
Bromide	mg/l	40	40.7	102.	90-110	WG471964
Chloride	mg/l	40	40.8	102.	90-110	WG471964
Fluoride	mg/l	8	8.37	105.	90-110	WG471964
Nitrate	mg/l	8	8.26	103.	90-110	WG471964
Nitrite	mg/l	8	8.08	101.	90-110	WG471964
Alkalinity	mg/l	40	36.5	91.3	85-115	WG472271
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0261	105.	75-134	WG472321
1,1,1-Trichloroethane	mg/l	.025	0.0258	103.	67-137	WG472321
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0246	98.5	72-128	WG472321
1,1,2-Trichloroethane	mg/l	.025	0.0235	94.1	79-123	WG472321
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0235	93.8	51-149	WG472321
1,1-Dichloroethane	mg/l	.025	0.0226	90.4	67-133	WG472321
1,1-Dichloroethene	mg/l	.025	0.0215	86.0	60-130	WG472321
1,1-Dichloropropene	mg/l	.025	0.0227	91.0	68-132	WG472321
1,2,3-Trichlorobenzene	mg/l	.025	0.0243	97.1	63-138	WG472321
1,2,3-Trichloropropane	mg/l	.025	0.0251	101.	68-130	WG472321
1,2,3-Trimethylbenzene	mg/l	.025	0.0259	103.	70-127	WG472321
1,2,4-Trichlorobenzene	mg/l	.025	0.0242	96.6	65-137	WG472321
1,2,4-Trimethylbenzene	mg/l	.025	0.0273	109.	72-135	WG472321
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0238	95.2	55-134	WG472321
1,2-Dibromoethane	mg/l	.025	0.0227	90.8	75-126	WG472321
1,2-Dichlorobenzene	mg/l	.025	0.0251	100.	75-122	WG472321
1,2-Dichloroethane	mg/l	.025	0.0231	92.3	63-137	WG472321
1,2-Dichloropropane	mg/l	.025	0.0229	91.5	74-122	WG472321
1,3,5-Trimethylbenzene	mg/l	.025	0.0266	107.	73-134	WG472321
1,3-Dichlorobenzene	mg/l	.025	0.0259	104.	73-131	WG472321
1,3-Dichloropropane	mg/l	.025	0.0211	84.3	77-119	WG472321
1,4-Dichlorobenzene	mg/l	.025	0.0232	92.6	70-121	WG472321
2,2-Dichloropropane	mg/l	.025	0.0253	101.	46-151	WG472321
2-Butanone (MEK)	mg/l	.125	0.108	86.3	53-132	WG472321

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Parachute, CO 81635

Quality Assurance Report  
Level II

L452919

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(615) 758-5858  
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Tax I.D. 62-0814289

Est. 1970

April 12, 2010

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
2-Chloroethyl vinyl ether	mg/l	.125	0.0946	75.7	0-171	WG472321
2-Chlorotoluene	mg/l	.025	0.0254	102.	74-128	WG472321
4-Chlorotoluene	mg/l	.025	0.0254	101.	74-130	WG472321
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.107	85.3	60-142	WG472321
Acetone	mg/l	.125	0.116	92.9	48-134	WG472321
Acrolein	mg/l	.125	0.0315	25.2	6-182	WG472321
Acrylonitrile	mg/l	.125	0.105	84.1	60-140	WG472321
Benzene	mg/l	.025	0.0212	84.7	67-126	WG472321
Bromobenzene	mg/l	.025	0.0239	95.6	76-123	WG472321
Bromodichloromethane	mg/l	.025	0.0261	104.	68-133	WG472321
Bromoform	mg/l	.025	0.0236	94.5	60-139	WG472321
Bromomethane	mg/l	.025	0.0275	110.	45-175	WG472321
Carbon tetrachloride	mg/l	.025	0.0269	107.	64-141	WG472321
Chlorobenzene	mg/l	.025	0.0234	93.8	77-125	WG472321
Chlorodibromomethane	mg/l	.025	0.0253	101.	73-138	WG472321
Chloroethane	mg/l	.025	0.0303	121.	49-155	WG472321
Chloroform	mg/l	.025	0.0234	93.7	66-126	WG472321
Chloromethane	mg/l	.025	0.0268	107.	45-152	WG472321
cis-1,2-Dichloroethene	mg/l	.025	0.0224	89.6	72-128	WG472321
cis-1,3-Dichloropropene	mg/l	.025	0.0235	93.8	73-131	WG472321
Di-isopropyl ether	mg/l	.025	0.0207	82.8	63-139	WG472321
Dibromomethane	mg/l	.025	0.0232	92.9	73-125	WG472321
Dichlorodifluoromethane	mg/l	.025	0.0337	135.	39-189	WG472321
Ethylbenzene	mg/l	.025	0.0241	96.2	76-129	WG472321
Hexachloro-1,3-butadiene	mg/l	.025	0.0274	110.	67-135	WG472321
Isopropylbenzene	mg/l	.025	0.0239	95.7	73-132	WG472321
Methyl tert-butyl ether	mg/l	.025	0.0228	91.2	51-142	WG472321
Methylene Chloride	mg/l	.025	0.0226	90.4	64-125	WG472321
n-Butylbenzene	mg/l	.025	0.0255	102.	63-142	WG472321
n-Propylbenzene	mg/l	.025	0.0251	100.	71-132	WG472321
Naphthalene	mg/l	.025	0.0241	96.5	56-145	WG472321
p-Isopropyltoluene	mg/l	.025	0.0267	107.	68-138	WG472321
sec-Butylbenzene	mg/l	.025	0.0265	106.	70-135	WG472321
Styrene	mg/l	.025	0.0254	102.	78-130	WG472321
tert-Butylbenzene	mg/l	.025	0.0260	104.	72-134	WG472321
Tetrachloroethene	mg/l	.025	0.0249	99.4	67-135	WG472321
Toluene	mg/l	.025	0.0229	91.4	72-122	WG472321
trans-1,2-Dichloroethene	mg/l	.025	0.0226	90.3	67-129	WG472321
trans-1,3-Dichloropropene	mg/l	.025	0.0234	93.8	66-137	WG472321
Trichloroethene	mg/l	.025	0.0239	95.5	74-126	WG472321
Trichlorofluoromethane	mg/l	.025	0.0302	121.	54-156	WG472321
Vinyl chloride	mg/l	.025	0.0285	114.	55-153	WG472321
Xylenes, Total	mg/l	.075	0.0743	99.0	75-128	WG472321
4-Bromofluorobenzene				105.9	75-128	WG472321
Dibromofluoromethane				108.3	79-125	WG472321
Toluene-d8				105.3	87-114	WG472321
pH	su	6.46	6.40	99.1	97.9-100.8	WG472202
Ammonia Nitrogen	mg/l	7.5	7.68	102.	90-110	WG472135
Dissolved Solids	mg/l	8800	8760	99.6	85-115	WG472236

\* Performance of this Analyte is outside of established criteria.  
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**YOUR LAB OF CHOICE**

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Brett Middleton  
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Parachute, CO 81635

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Tax I.D. 62-0814289

Est. 1970

Quality Assurance Report  
Level II

L452919

April 12, 2010

Analyte	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
Methane	mg/l	0.327	0.322	96.0	70-130	1.44	25	WG471973
Specific Conductance	umhos/	410.	410.	101.	85-115	0	20	WG471890
Sulfide	mg/l	0.512	0.511	102.	85-115	0.196	20	WG471876
Bromide	mg/l	40.6	40.7	102.	90-110	0.246	20	WG471964
Chloride	mg/l	40.7	40.8	102.	90-110	0.245	20	WG471964
Fluoride	mg/l	8.33	8.37	104.	90-110	0.479	20	WG471964
Nitrate	mg/l	8.26	8.26	103.	90-110	0	20	WG471964
Nitrite	mg/l	8.05	8.08	101.	90-110	0.372	20	WG471964
Alkalinity	mg/l	38.9	36.5	97.0	85-115	6.37	20	WG472271
1,1,1,2-Tetrachloroethane	mg/l	0.0265	0.0261	106.	75-134	1.22	20	WG472321
1,1,1-Trichloroethane	mg/l	0.0244	0.0258	98.0	67-137	5.40	20	WG472321
1,1,2,2-Tetrachloroethane	mg/l	0.0264	0.0246	106.	72-128	6.95	20	WG472321
1,1,2-Trichloroethane	mg/l	0.0265	0.0235	106.	79-123	11.8	20	WG472321
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0207	0.0235	83.0	51-149	12.3	20	WG472321
1,1-Dichloroethane	mg/l	0.0219	0.0226	87.0	67-133	3.29	20	WG472321
1,1-Dichloroethene	mg/l	0.0196	0.0215	78.0	60-130	9.39	20	WG472321
1,1-Dichloropropene	mg/l	0.0228	0.0227	91.0	68-132	0.0920	20	WG472321
1,2,3-Trichlorobenzene	mg/l	0.0269	0.0243	108.	63-138	10.3	20	WG472321
1,2,3-Trichloropropane	mg/l	0.0260	0.0251	104.	68-130	3.42	20	WG472321
1,2,3-Trimethylbenzene	mg/l	0.0273	0.0259	109.	70-127	5.56	20	WG472321
1,2,4-Trichlorobenzene	mg/l	0.0261	0.0242	104.	65-137	7.86	20	WG472321
1,2,4-Trimethylbenzene	mg/l	0.0272	0.0273	109.	72-135	0.216	20	WG472321
1,2-Dibromo-3-Chloropropane	mg/l	0.0262	0.0238	105.	55-134	9.70	20	WG472321
1,2-Dibromoethane	mg/l	0.0252	0.0227	101.	75-126	10.4	20	WG472321
1,2-Dichlorobenzene	mg/l	0.0260	0.0251	104.	75-122	3.49	20	WG472321
1,2-Dichloroethane	mg/l	0.0249	0.0231	99.0	63-137	7.37	20	WG472321
1,2-Dichloropropane	mg/l	0.0238	0.0229	95.0	74-122	3.94	20	WG472321
1,3,5-Trimethylbenzene	mg/l	0.0264	0.0266	106.	73-134	0.962	20	WG472321
1,3-Dichlorobenzene	mg/l	0.0253	0.0259	101.	73-131	2.24	20	WG472321
1,3-Dichloropropane	mg/l	0.0238	0.0211	95.0	77-119	12.3	20	WG472321
1,4-Dichlorobenzene	mg/l	0.0243	0.0232	97.0	70-121	4.99	20	WG472321
2,2-Dichloropropane	mg/l	0.0234	0.0253	94.0	46-151	7.78	20	WG472321
2-Butanone (MEK)	mg/l	0.124	0.108	99.0	53-132	14.2	20	WG472321
2-Chloroethyl vinyl ether	mg/l	0.122	0.0946	97.0	0-171	25.2	27	WG472321
2-Chlorotoluene	mg/l	0.0254	0.0254	102.	74-128	0.0163	20	WG472321
4-Chlorotoluene	mg/l	0.0258	0.0254	103.	74-130	1.57	20	WG472321
4-Methyl-2-pentanone (MIBK)	mg/l	0.126	0.107	101.	60-142	16.9	20	WG472321
Acetone	mg/l	0.117	0.116	94.0	48-134	0.824	20	WG472321
Acrolein	mg/l	0.0429	0.0315	34.0	6-182	30.8	39	WG472321
Acrylonitrile	mg/l	0.109	0.105	87.0	60-140	3.98	20	WG472321
Benzene	mg/l	0.0216	0.0212	86.0	67-126	1.84	20	WG472321
Bromobenzene	mg/l	0.0244	0.0239	97.0	76-123	1.94	20	WG472321
Bromodichloromethane	mg/l	0.0279	0.0261	112.	68-133	6.56	20	WG472321
Bromoform	mg/l	0.0256	0.0236	102.	60-139	7.95	20	WG472321
Bromomethane	mg/l	0.0265	0.0275	106.	45-175	3.76	20	WG472321
Carbon tetrachloride	mg/l	0.0250	0.0269	100.	64-141	7.14	20	WG472321
Chlorobenzene	mg/l	0.0247	0.0234	99.0	77-125	5.38	20	WG472321
Chlorodibromomethane	mg/l	0.0282	0.0253	113.	73-138	10.9	20	WG472321
Chloroethane	mg/l	0.0273	0.0303	109.	49-155	10.2	20	WG472321
Chloroform	mg/l	0.0231	0.0234	92.0	66-126	1.43	20	WG472321

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**YOUR LAB OF CHOICE**

Encana  
Brett Middleton  
2717 Co. Rd. 215

Parachute, CO 81635

Quality Assurance Report  
Level II

L452919

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

April 12, 2010

Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
Chloromethane	mg/l	0.0244	0.0268	98.0		45-152	9.25	20	WG472321
cis-1,2-Dichloroethene	mg/l	0.0225	0.0224	90.0		72-128	0.354	20	WG472321
cis-1,3-Dichloropropene	mg/l	0.0270	0.0235	108.		73-131	14.1	20	WG472321
Di-isopropyl ether	mg/l	0.0211	0.0207	84.0		63-139	1.84	20	WG472321
Dibromomethane	mg/l	0.0252	0.0232	101.		73-125	8.26	20	WG472321
Dichlorodifluoromethane	mg/l	0.0284	0.0337	113.		39-189	17.1	24	WG472321
Ethylbenzene	mg/l	0.0248	0.0241	99.0		76-129	3.12	20	WG472321
Hexachloro-1,3-butadiene	mg/l	0.0282	0.0274	113.		67-135	2.76	20	WG472321
Isopropylbenzene	mg/l	0.0239	0.0239	96.0		73-132	0.0295	20	WG472321
Methyl tert-butyl ether	mg/l	0.0226	0.0228	90.0		51-142	0.752	20	WG472321
Methylene Chloride	mg/l	0.0214	0.0226	86.0		64-125	5.28	20	WG472321
n-Butylbenzene	mg/l	0.0264	0.0255	106.		63-142	3.28	20	WG472321
n-Propylbenzene	mg/l	0.0252	0.0251	101.		71-132	0.397	20	WG472321
Naphthalene	mg/l	0.0274	0.0241	110.		56-145	12.8	20	WG472321
p-Isopropyltoluene	mg/l	0.0265	0.0267	106.		68-138	0.495	20	WG472321
sec-Butylbenzene	mg/l	0.0263	0.0265	105.		70-135	0.738	20	WG472321
Styrene	mg/l	0.0267	0.0254	107.		78-130	5.09	20	WG472321
tert-Butylbenzene	mg/l	0.0261	0.0260	104.		72-134	0.493	20	WG472321
Tetrachloroethene	mg/l	0.0243	0.0249	97.0		67-135	2.35	20	WG472321
Toluene	mg/l	0.0239	0.0229	96.0		72-122	4.57	20	WG472321
trans-1,2-Dichloroethene	mg/l	0.0209	0.0226	84.0		67-129	7.80	20	WG472321
trans-1,3-Dichloropropene	mg/l	0.0267	0.0234	107.		66-137	13.2	20	WG472321
Trichloroethene	mg/l	0.0235	0.0239	94.0		74-126	1.42	20	WG472321
Trichlorofluoromethane	mg/l	0.0266	0.0302	106.		54-156	13.0	20	WG472321
Vinyl chloride	mg/l	0.0255	0.0285	102.		55-153	11.3	20	WG472321
Xylenes, Total	mg/l	0.0760	0.0743	101.		75-128	2.32	20	WG472321
4-Bromofluorobenzene				106.1		75-128			WG472321
Dibromofluoromethane				103.9		79-125			WG472321
Toluene-d8				106.6		87-114			WG472321
pH	su	6.50	6.40	101*		97.9-100.8	1.55	20	WG472202
Ammonia Nitrogen	mg/l	7.79	7.68	104.		90-110	1.42	20	WG472135
Dissolved Solids	mg/l	8840	8760	100.		85-115	0.909	20	WG472236

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Sulfide	mg/l	1.02	0	1	102.	80-120	L452332-05	WG471876
Bromide	mg/l	46.4	1.30	50	90.2	80-120	L452919-09	WG471964
Nitrate	mg/l	5.11	0	5	102.	80-120	L452919-09	WG471964
Nitrite	mg/l	5.03	0	5	101.	80-120	L452919-09	WG471964
Alkalinity	mg/l	287.	130.	200	78.5*	80-120	L452693-01	WG472271
1,1,1,2-Tetrachloroethane	mg/l	0.0240	0	.025	96.1	45-152	L453225-01	WG472321
1,1,1-Trichloroethane	mg/l	0.0186	0	.025	74.3	31-161	L453225-01	WG472321
1,1,2,2-Tetrachloroethane	mg/l	0.0253	0	.025	101.	49-149	L453225-01	WG472321
1,1,2-Trichloroethane	mg/l	0.0210	0	.025	83.9	46-145	L453225-01	WG472321
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0150	0	.025	59.9	14-168	L453225-01	WG472321
1,1-Dichloroethane	mg/l	0.0160	0	.025	64.0	30-159	L453225-01	WG472321

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Tax I.D. 62-0814289

Est. 1970

April 12, 2010

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
1,1-Dichloroethene	mg/l	0.00999	0	.025	40.0	10-162	L453225-01	WG472321
1,1-Dichloropropene	mg/l	0.0114	0	.025	45.5	14-162	L453225-01	WG472321
1,2,3-Trichlorobenzene	mg/l	0.0237	0	.025	94.6	32-143	L453225-01	WG472321
1,2,3-Trichloropropane	mg/l	0.0254	0	.025	101.	48-148	L453225-01	WG472321
1,2,3-Trimethylbenzene	mg/l	0.0219	0	.025	87.6	36-141	L453225-01	WG472321
1,2,4-Trichlorobenzene	mg/l	0.0229	0	.025	91.8	27-142	L453225-01	WG472321
1,2,4-Trimethylbenzene	mg/l	0.0238	0	.025	95.1	29-153	L453225-01	WG472321
1,2-Dibromo-3-Chloropropane	mg/l	0.0248	0	.025	99.1	37-148	L453225-01	WG472321
1,2-Dibromoethane	mg/l	0.0184	0	.025	73.5	41-149	L453225-01	WG472321
1,2-Dichlorobenzene	mg/l	0.0221	0	.025	88.4	40-139	L453225-01	WG472321
1,2-Dichloroethane	mg/l	0.0171	0	.025	68.2	29-167	L453225-01	WG472321
1,2-Dichloropropane	mg/l	0.0174	0	.025	69.4	39-148	L453225-01	WG472321
1,3,5-Trimethylbenzene	mg/l	0.0228	0	.025	91.3	33-149	L453225-01	WG472321
1,3-Dichlorobenzene	mg/l	0.0232	0	.025	92.9	32-148	L453225-01	WG472321
1,3-Dichloropropane	mg/l	0.0178	0	.025	71.1	44-142	L453225-01	WG472321
1,4-Dichlorobenzene	mg/l	0.0200	0	.025	80.1	32-136	L453225-01	WG472321
2,2-Dichloropropane	mg/l	0.0195	0	.025	78.1	14-158	L453225-01	WG472321
2-Butanone (MEK)	mg/l	0.104	0	.125	83.0	32-151	L453225-01	WG472321
2-Chloroethyl vinyl ether	mg/l	0.00236	0	.125	1.89	0-175	L453225-01	WG472321
2-Chlorotoluene	mg/l	0.0219	0	.025	87.7	35-147	L453225-01	WG472321
4-Chlorotoluene	mg/l	0.0219	0	.025	87.4	33-147	L453225-01	WG472321
4-Methyl-2-pentanone (MIBK)	mg/l	0.113	0	.125	90.0	40-160	L453225-01	WG472321
Acetone	mg/l	0.118	0	.125	94.2	25-157	L453225-01	WG472321
Acrolein	mg/l	0.0326	0	.125	26.1	0-179	L453225-01	WG472321
Acrylonitrile	mg/l	0.103	0	.125	82.3	37-162	L453225-01	WG472321
Benzene	mg/l	0.0131	0	.025	52.5	16-158	L453225-01	WG472321
Bromobenzene	mg/l	0.0205	0	.025	81.8	37-147	L453225-01	WG472321
Bromodichloromethane	mg/l	0.0216	0	.025	86.5	45-147	L453225-01	WG472321
Bromoform	mg/l	0.0215	0	.025	86.0	38-152	L453225-01	WG472321
Bromomethane	mg/l	0.0110	0	.025	43.9	0-191	L453225-01	WG472321
Carbon tetrachloride	mg/l	0.0169	0	.025	67.7	22-168	L453225-01	WG472321
Chlorobenzene	mg/l	0.0187	0	.025	74.9	33-148	L453225-01	WG472321
Chlorodibromomethane	mg/l	0.0225	0	.025	89.9	48-151	L453225-01	WG472321
Chloroethane	mg/l	0.0140	0	.025	55.8	4-176	L453225-01	WG472321
Chloroform	mg/l	0.0182	0	.025	72.9	37-147	L453225-01	WG472321
Chloromethane	mg/l	0.00974	0	.025	38.9	10-174	L453225-01	WG472321
cis-1,2-Dichloroethene	mg/l	0.0268	0.0110	.025	63.2	29-156	L453225-01	WG472321
cis-1,3-Dichloropropene	mg/l	0.0170	0	.025	68.1	35-148	L453225-01	WG472321
Di-isopropyl ether	mg/l	0.0183	0	.025	73.3	39-160	L453225-01	WG472321
Dibromomethane	mg/l	0.0175	0	.025	69.8	36-152	L453225-01	WG472321
Dichlorodifluoromethane	mg/l	0.0321	0	.025	128.	0-200	L453225-01	WG472321
Ethylbenzene	mg/l	0.0182	0	.025	73.0	29-150	L453225-01	WG472321
Hexachloro-1,3-butadiene	mg/l	0.0242	0	.025	96.9	28-144	L453225-01	WG472321
Isopropylbenzene	mg/l	0.0206	0	.025	82.4	35-147	L453225-01	WG472321
Methyl tert-butyl ether	mg/l	0.0204	0	.025	81.7	24-167	L453225-01	WG472321
Methylene Chloride	mg/l	0.0134	0	.025	53.6	23-151	L453225-01	WG472321
n-Butylbenzene	mg/l	0.0223	0	.025	89.2	22-151	L453225-01	WG472321
n-Propylbenzene	mg/l	0.0209	0	.025	83.5	26-150	L453225-01	WG472321
Naphthalene	mg/l	0.0248	0	.025	99.2	24-160	L453225-01	WG472321
p-Isopropyltoluene	mg/l	0.0236	0	.025	94.4	28-151	L453225-01	WG472321
sec-Butylbenzene	mg/l	0.0240	0	.025	96.1	32-149	L453225-01	WG472321
Styrene	mg/l	0.0211	0	.025	84.2	38-149	L453225-01	WG472321
tert-Butylbenzene	mg/l	0.0236	0	.025	94.3	36-149	L453225-01	WG472321
Tetrachloroethene	mg/l	0.0168	0.00200	.025	59.1	13-157	L453225-01	WG472321
Toluene	mg/l	0.0157	0	.025	62.8	22-152	L453225-01	WG472321
trans-1,2-Dichloroethene	mg/l	0.00977	0	.025	39.1	11-160	L453225-01	WG472321
trans-1,3-Dichloropropene	mg/l	0.0177	0	.025	71.0	33-153	L453225-01	WG472321
Trichloroethene	mg/l	0.0176	0.00400	.025	54.3	18-163	L453225-01	WG472321
Trichlorofluoromethane	mg/l	0.0169	0	.025	67.6	10-177	L453225-01	WG472321

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Tax I.D. 62-0814289

Est. 1970

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Vinyl chloride	mg/l	0.0162	0.00240	.025	55.4	0-179	L453225-01	WG472321
Xylenes, Total	mg/l	0.0588	0	.075	78.4	27-151	L453225-01	WG472321
4-Bromofluorobenzene					109.7	75-128		WG472321
Dibromofluoromethane					107.3	79-125		WG472321
Toluene-d8					105.9	87-114		WG472321

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Sulfide	mg/l	1.04	1.02	104.	80-120	1.94	20	L452332-05	WG471876
Bromide	mg/l	46.3	46.4	90.0	80-120	0.216	20	L452919-09	WG471964
Nitrate	mg/l	5.09	5.11	102.	80-120	0.392	20	L452919-09	WG471964
Nitrite	mg/l	5.01	5.03	100.	80-120	0.398	20	L452919-09	WG471964
Alkalinity	mg/l	293.	287.	81.5	80-120	2.07	20	L452693-01	WG472271
1,1,1,2-Tetrachloroethane	mg/l	0.0238	0.0240	95.2	45-152	0.975	21	L453225-01	WG472321
1,1,1-Trichloroethane	mg/l	0.0182	0.0186	72.7	31-161	2.12	23	L453225-01	WG472321
1,1,2,2-Tetrachloroethane	mg/l	0.0255	0.0253	102.	49-149	0.920	22	L453225-01	WG472321
1,1,2-Trichloroethane	mg/l	0.0231	0.0210	92.3	46-145	9.49	20	L453225-01	WG472321
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0142	0.0150	57.0	14-168	5.00	24	L453225-01	WG472321
1,1-Dichloroethane	mg/l	0.0159	0.0160	63.4	30-159	0.838	21	L453225-01	WG472321
1,1-Dichloroethene	mg/l	0.00948	0.00999	37.9	10-162	5.28	23	L453225-01	WG472321
1,1-Dichloropropene	mg/l	0.0119	0.0114	47.5	14-162	4.27	23	L453225-01	WG472321
1,2,3-Trichlorobenzene	mg/l	0.0233	0.0237	93.3	32-143	1.38	33	L453225-01	WG472321
1,2,3-Trichloropropane	mg/l	0.0245	0.0254	98.1	48-148	3.39	23	L453225-01	WG472321
1,2,3-Trimethylbenzene	mg/l	0.0223	0.0219	89.2	36-141	1.75	25	L453225-01	WG472321
1,2,4-Trichlorobenzene	mg/l	0.0227	0.0229	90.9	27-142	0.934	30	L453225-01	WG472321
1,2,4-Trimethylbenzene	mg/l	0.0232	0.0238	92.6	29-153	2.71	27	L453225-01	WG472321
1,2-Dibromo-3-Chloropropane	mg/l	0.0242	0.0248	96.6	37-148	2.52	27	L453225-01	WG472321
1,2-Dibromoethane	mg/l	0.0191	0.0184	76.5	41-149	3.96	21	L453225-01	WG472321
1,2-Dichlorobenzene	mg/l	0.0227	0.0221	90.8	40-139	2.69	23	L453225-01	WG472321
1,2-Dichloroethane	mg/l	0.0178	0.0171	71.3	29-167	4.40	21	L453225-01	WG472321
1,2-Dichloropropane	mg/l	0.0186	0.0174	74.5	39-148	7.09	20	L453225-01	WG472321
1,3,5-Trimethylbenzene	mg/l	0.0220	0.0228	87.9	33-149	3.74	26	L453225-01	WG472321
1,3-Dichlorobenzene	mg/l	0.0224	0.0232	89.4	32-148	3.79	24	L453225-01	WG472321
1,3-Dichloropropane	mg/l	0.0194	0.0178	77.7	44-142	8.89	20	L453225-01	WG472321
1,4-Dichlorobenzene	mg/l	0.0207	0.0200	82.7	32-136	3.14	23	L453225-01	WG472321
2,2-Dichloropropane	mg/l	0.0188	0.0195	75.1	14-158	3.93	23	L453225-01	WG472321
2-Butanone (MEK)	mg/l	0.107	0.104	85.2	32-151	2.66	26	L453225-01	WG472321
2-Chloroethyl vinyl ether	mg/l	0.00133	0.00236	1.06	0-175	56.0	75	L453225-01	WG472321
2-Chlorotoluene	mg/l	0.0215	0.0219	86.1	35-147	1.85	24	L453225-01	WG472321
4-Chlorotoluene	mg/l	0.0218	0.0219	87.3	33-147	0.175	25	L453225-01	WG472321
4-Methyl-2-pentanone (MIBK)	mg/l	0.115	0.113	92.0	40-160	2.20	28	L453225-01	WG472321
Acetone	mg/l	0.112	0.118	89.8	25-157	4.78	26	L453225-01	WG472321
Acrolein	mg/l	0.0297	0.0326	23.7	0-179	9.34	39	L453225-01	WG472321
Acrylonitrile	mg/l	0.101	0.103	80.6	37-162	2.05	24	L453225-01	WG472321
Benzene	mg/l	0.0136	0.0131	54.5	16-158	3.73	21	L453225-01	WG472321
Bromobenzene	mg/l	0.0207	0.0205	82.8	37-147	1.15	23	L453225-01	WG472321
Bromodichloromethane	mg/l	0.0230	0.0216	92.0	45-147	6.26	20	L453225-01	WG472321
Bromoform	mg/l	0.0228	0.0215	91.0	38-152	5.64	20	L453225-01	WG472321
Bromomethane	mg/l	0.00970	0.0110	38.8	0-191	12.4	35	L453225-01	WG472321
Carbon tetrachloride	mg/l	0.0164	0.0169	65.8	22-168	2.92	24	L453225-01	WG472321
Chlorobenzene	mg/l	0.0195	0.0187	78.1	33-148	4.22	22	L453225-01	WG472321
Chlorodibromomethane	mg/l	0.0238	0.0225	95.1	48-151	5.63	21	L453225-01	WG472321

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

Encana  
Brett Middleton  
2717 Co. Rd. 215

Parachute, CO 81635

Quality Assurance Report  
Level II

L452919

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

April 12, 2010

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref	Samp	Batch
			Ref	%Rec						
Chloroethane	mg/l	0.0129	0.0140	51.4	4-176	8.18	27	L453225-01	WG472321	
Chloroform	mg/l	0.0186	0.0182	74.5	37-147	2.19	21	L453225-01	WG472321	
Chloromethane	mg/l	0.00908	0.00974	36.3	10-174	6.98	28	L453225-01	WG472321	
cis-1,2-Dichloroethene	mg/l	0.0261	0.0268	60.5	29-156	2.56	22	L453225-01	WG472321	
cis-1,3-Dichloropropene	mg/l	0.0196	0.0170	78.5	35-148	14.2	21	L453225-01	WG472321	
Di-isopropyl ether	mg/l	0.0182	0.0183	73.0	39-160	0.486	21	L453225-01	WG472321	
Dibromomethane	mg/l	0.0181	0.0175	72.5	36-152	3.74	20	L453225-01	WG472321	
Dichlorodifluoromethane	mg/l	0.0270	0.0321	108.	0-200	17.1	26	L453225-01	WG472321	
Ethylbenzene	mg/l	0.0190	0.0182	76.1	29-150	4.21	24	L453225-01	WG472321	
Hexachloro-1,3-butadiene	mg/l	0.0246	0.0242	98.3	28-144	1.45	33	L453225-01	WG472321	
Isopropylbenzene	mg/l	0.0202	0.0206	80.6	35-147	2.22	25	L453225-01	WG472321	
Methyl tert-butyl ether	mg/l	0.0196	0.0204	78.2	24-167	4.35	22	L453225-01	WG472321	
Methylene Chloride	mg/l	0.0130	0.0134	52.0	23-151	3.17	21	L453225-01	WG472321	
n-Butylbenzene	mg/l	0.0222	0.0223	88.9	22-151	0.334	29	L453225-01	WG472321	
n-Propylbenzene	mg/l	0.0209	0.0209	83.7	26-150	0.192	25	L453225-01	WG472321	
Naphthalene	mg/l	0.0244	0.0248	97.6	24-160	1.62	37	L453225-01	WG472321	
p-Isopropyltoluene	mg/l	0.0227	0.0236	90.9	28-151	3.79	27	L453225-01	WG472321	
sec-Butylbenzene	mg/l	0.0230	0.0240	92.0	32-149	4.40	26	L453225-01	WG472321	
Styrene	mg/l	0.0218	0.0211	87.2	38-149	3.43	23	L453225-01	WG472321	
tert-Butylbenzene	mg/l	0.0228	0.0236	91.1	36-149	3.41	26	L453225-01	WG472321	
Tetrachloroethene	mg/l	0.0167	0.0168	59.0	13-157	0.213	24	L453225-01	WG472321	
Toluene	mg/l	0.0171	0.0157	68.3	22-152	8.36	22	L453225-01	WG472321	
trans-1,2-Dichloroethene	mg/l	0.00959	0.00977	38.3	11-160	1.89	23	L453225-01	WG472321	
trans-1,3-Dichloropropene	mg/l	0.0207	0.0177	82.8	33-153	15.3	22	L453225-01	WG472321	
Trichloroethene	mg/l	0.0182	0.0176	57.0	18-163	3.71	21	L453225-01	WG472321	
Trichlorofluoromethane	mg/l	0.0159	0.0169	63.8	10-177	5.82	24	L453225-01	WG472321	
Vinyl chloride	mg/l	0.0144	0.0162	48.0	0-179	12.1	26	L453225-01	WG472321	
Xylenes, Total	mg/l	0.0592	0.0588	78.9	27-151	0.612	23	L453225-01	WG472321	
4-Bromofluorobenzene				109.1	75-128				WG472321	
Dibromofluoromethane				105.1	79-125				WG472321	
Toluene-d8				106.9	87-114				WG472321	

Batch number /Run number / Sample number cross reference

WG471973: R1174928: L452919-01 02 03 04  
WG471876: R1175608: L452919-09 10 11 12  
WG471890: R1176252: L452919-09 10 11 12  
WG471964: R1176930: L452919-09 10 11 12  
WG472271: R1177211: L452919-09 10 11 12  
WG472321: R1178668: L452919-05 06 07 08  
WG472202: R1179548: L452919-09 10 11 12  
WG472135: R1179948: L452919-09 10 11 12  
WG472236: R1179968: L452919-12

\* \* Calculations are performed prior to rounding of reported values .  
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.



## Laboratory Analysis

Methane - Same day turn around

• Sulfide

MTBE (Methyl-tert-butyl ether)

BTEX - Benzene (Full 8260)

Toluene

ethylbenzene

xylene

- Same day turn around

• Ammonia-N

Anions - • Bromide

• Chloride

• Fluoride

• Nitrate

• Nitrite

• Sulfate

• pH

• Conductivity

• TDS (Total Dissolved Solids)

• Total Alkalinity

• Bicarbonate

• Carbonate

Dissolved Metals - • Arsenic

• Barium

• Cadmium

• Chromium

• Copper

• Lead

• Silver

• Calcium

• Iron

• Potassium

• Magnesium

• Manganese

• Sodium

• Selenium