



ENVIRONMENTAL
SCIENCE CORP.

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. Brad Kieding
Encana
2717 Co. Rd. 215
Parachute, CO 81635

Report Summary

Monday October 27, 2008

Report Number: L370475

Samples Received: 10/17/08

Client Project: JDE 8235.348 AFE 86

Description: MIE CBM Conf

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, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Mr. Brad Kieding
Encana
2717 Co. Rd. 215
Parachute, CO 81635

October 27, 2008

Date Received : October 17, 2008
Description : MLE CBM Conf
Sample ID : MANUPELLA DW-1 50FT
Collected By : Brad Kieding
Collection Date : 10/16/08 09:35

ESC Sample # : L370475-01

Site ID :

Project # : JDE 8235.348 AFE 86

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	BDL	1.0	mg/l	9056	10/17/08	1
Chloride	20.	1.0	mg/l	9056	10/17/08	1
Fluoride	0.35	0.10	mg/l	9056	10/17/08	1
Nitrate	1.7	0.10	mg/l	9056	10/17/08	1
Nitrite	BDL	0.10	mg/l	9056	10/17/08	1
Sulfate	420	25.	mg/l	9056	10/19/08	5
Alkalinity	840	50.	mg/l	2320B	10/22/08	5
Alkalinity,Bicarbonate	840	10.	mg/l	2320B	10/22/08	1
Alkalinity,Carbonate	BDL	10.	mg/l	2320B	10/22/08	1
Methane	BDL	0.010	mg/l	3810/RSK175	10/23/08	1
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	10/23/08	1
pH	7.6		su	9040C	10/17/08	1
Sulfide	BDL	0.050	mg/l	4500-S2 D	10/21/08	1
Specific Conductance	1900		umhos/cm	9050A	10/20/08	1
Dissolved Solids	1200	10.	mg/l	2540C	10/23/08	1
Arsenic,Dissolved	BDL	0.020	mg/l	6010B	10/26/08	1
Barium,Dissolved	0.14	0.0050	mg/l	6010B	10/26/08	1
Cadmium,Dissolved	BDL	0.0050	mg/l	6010B	10/26/08	1
Calcium,Dissolved	78.	0.50	mg/l	6010B	10/26/08	1
Chromium,Dissolved	BDL	0.010	mg/l	6010B	10/26/08	1
Copper,Dissolved	BDL	0.020	mg/l	6010B	10/26/08	1
Iron,Dissolved	BDL	0.10	mg/l	6010B	10/26/08	1
Lead,Dissolved	BDL	0.0050	mg/l	6010B	10/26/08	1
Magnesium,Dissolved	140	0.10	mg/l	6010B	10/26/08	1
Manganese,Dissolved	0.064	0.010	mg/l	6010B	10/26/08	1
Potassium,Dissolved	7.9	0.50	mg/l	6010B	10/26/08	1
Selenium,Dissolved	BDL	0.020	mg/l	6010B	10/26/08	1
Silver,Dissolved	BDL	0.010	mg/l	6010B	10/26/08	1
Sodium,Dissolved	190	0.50	mg/l	6010B	10/26/08	1
Benzene	BDL	0.00050	mg/l	8021/8015	10/21/08	1
Toluene	BDL	0.0050	mg/l	8021/8015	10/21/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021/8015	10/21/08	1
Total Xylene	BDL	0.0015	mg/l	8021/8015	10/21/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8021/8015	10/21/08	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	TNGRO	10/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L370475-01 (PH) - 7.6@20.2c



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Parachute, CO 81635

October 27, 2008

Date Received : October 17, 2008
Description : MIE CBM Conf
Sample ID : MANUPELLA DW-1 50FT
Collected By : Brad Kieding
Collection Date : 10/16/08 09:35

ESC Sample # : L370475-01

Site ID :

Project # : JDE 8235.348 AFE 86

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8021/8015	10/21/08	1
a,a,a-Trifluorotoluene(PID)	113.		% Rec.	8021/8015	10/21/08	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: 10/27/08 09:35 Printed: 10/27/08 09:36
L370475-01 (PH) - 7.6@20.2c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L370475-01	WG389269	SAMP	pH	R506084	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
10/27/08 at 09:36:18

TSR Signing Reports: 151
R5 - Desired TAT

Works closely with Cordilleran.Charge Codes: AFE - 4021929; JDE - 8715.692. Put AFE or JDE
after sample ids. 10/4/07 JB.

Sample: L370475-01 Account: ENCRCO Received: 10/17/08 09:00 Due Date: 10/24/08 00:00 RPT Date: 10/27/08 09:35