





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

Chris Hines or Brad Kieding
EnCana Oil & Gas Inc. - CO
2717 County Road 215, Suite 100
Parachute, CO 81635

Report Summary

Tuesday November 30, 2010

Report Number: L490094

Samples Received: 11/19/10

Client Project: PL30

Description: PL30

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:

Jayred Willis , 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,
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

REPORT OF ANALYSIS

Chris Hines or Brad Kieding
EnCana Oil & Gas Inc. - CO
2717 County Road 215, Suite 100
Parachute, CO 81635

November 30, 2010

Date Received : November 19, 2010
Description : PL30

Sample ID : PL30-C-111710

Collected By : Jake Harris
Collection Date : 11/17/10 13:00

ESC Sample # : L490094-01

Site ID :

Project # : PL30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	2.0	mg/kg	3060A/7196A	11/26/10	1
Chromium, Trivalent	12.	0.50	mg/kg	Calc.	11/26/10	1
ORP	-20.		mV	2580	11/23/10	1
pH	7.9		su	9045D	11/23/10	1
Sodium Adsorption Ratio	26.			Calc.	11/21/10	1
Specific Conductance	3100		umhos/cm	9050AMod	11/24/10	1
Mercury	BDL	0.020	mg/kg	7471	11/23/10	1
Arsenic	1.9	1.0	mg/kg	6010B	11/26/10	1
Barium	8700	0.25	mg/kg	6010B	11/26/10	1
Cadmium	0.34	0.25	mg/kg	6010B	11/26/10	1
Chromium	12.	0.50	mg/kg	6010B	11/26/10	1
Copper	15.	1.0	mg/kg	6010B	11/26/10	1
Lead	7.7	0.25	mg/kg	6010B	11/26/10	1
Nickel	6.4	1.0	mg/kg	6010B	11/26/10	1
Selenium	12.	1.0	mg/kg	6010B	11/26/10	1
Silver	BDL	0.50	mg/kg	6010B	11/26/10	1
Zinc	35.	1.5	mg/kg	6010B	11/26/10	1
Benzene	0.010	0.0025	mg/kg	8021/8015	11/24/10	5
Toluene	BDL	0.025	mg/kg	8021/8015	11/24/10	5
Ethylbenzene	0.0032	0.0025	mg/kg	8021/8015	11/24/10	5
Total Xylene	0.011	0.0075	mg/kg	8021/8015	11/24/10	5
TPH (GC/FID) Low Fraction	1.0	0.50	mg/kg	GRO	11/24/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.6		% Rec.	8021/8015	11/24/10	5
a,a,a-Trifluorotoluene(PID)	99.6		% Rec.	8021/8015	11/24/10	5
TPH (GC/FID) High Fraction	180	4.0	mg/kg	3546/DRO	11/29/10	1
Surrogate recovery(%)						
o-Terphenyl	84.2		% Rec.	3546/DRO	11/29/10	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Acenaphthene	0.0095	0.0060	mg/kg	8270C-SIM	11/23/10	1
Acenaphthylene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Benzo(a)anthracene	0.0082	0.0060	mg/kg	8270C-SIM	11/23/10	1
Benzo(a)pyrene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L490094-01 (PH) - 7.9@20.2c

REPORT OF ANALYSIS

Chris Hines or Brad Kieding
EnCana Oil & Gas Inc. - CO
2717 County Road 215, Suite 100
Parachute, CO 81635

November 30, 2010

Date Received : November 19, 2010
Description : PL30

Sample ID : PL30-C-111710

Collected By : Jake Harris
Collection Date : 11/17/10 13:00

ESC Sample # : L490094-01

Site ID :

Project # : PL30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	0.0096	0.0060	mg/kg	8270C-SIM	11/23/10	1
Benzo(g,h,i)perylene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Benzo(k)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Chrysene	0.013	0.0060	mg/kg	8270C-SIM	11/23/10	1
Dibenz(a,h)anthracene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Fluoranthene	0.030	0.0060	mg/kg	8270C-SIM	11/23/10	1
Fluorene	0.036	0.0060	mg/kg	8270C-SIM	11/23/10	1
Indeno(1,2,3-cd)pyrene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Naphthalene	0.13	0.0060	mg/kg	8270C-SIM	11/23/10	1
Phenanthrene	0.11	0.0060	mg/kg	8270C-SIM	11/23/10	1
Pyrene	0.022	0.0060	mg/kg	8270C-SIM	11/23/10	1
1-Methylnaphthalene	0.094	0.0060	mg/kg	8270C-SIM	11/23/10	1
2-Methylnaphthalene	0.23	0.0060	mg/kg	8270C-SIM	11/23/10	1
2-Chloronaphthalene	BDL	0.0060	mg/kg	8270C-SIM	11/23/10	1
Surrogate Recovery						
Nitrobenzene-d5	102.		% Rec.	8270C-SIM	11/23/10	1
2-Fluorobiphenyl	63.8		% Rec.	8270C-SIM	11/23/10	1
p-Terphenyl-d14	88.3		% Rec.	8270C-SIM	11/23/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/30/10 13:06 Printed: 11/30/10 13:13
L490094-01 (PH) - 7.9@20.2c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L490094-01	WG510059	SAMP	Chromium,Hexavalent	R1487889	J6

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

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
11/30/10 at 13:13:25

TSR Signing Reports: 358
R5 - Desired TAT

Log all samples beginning with different sample numbers to separate reports. Ex.- M34 N PIT and M34 S PIT go on one L#, but M34 S PIT and E34 S PIT go on separate L #s. Log project # as project name.

Sample: L490094-01 Account: ENCANACO Received: 11/19/10 09:00 Due Date: 11/29/10 00:00 RPT Date: 11/30/10 13:06



YOUR LAB OF CHOICE

EnCana Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Mercury	< .02	mg/kg			WG509602	11/23/10 17:20
pH	4.80	su			WG509615	11/23/10 15:19
Specific Conductance	1.70	umhos/cm			WG509821	11/24/10 11:12
1-Methylnaphthalene	< .006	mg/kg			WG509797	11/23/10 14:23
2-Chloronaphthalene	< .006	mg/kg			WG509797	11/23/10 14:23
2-Methylnaphthalene	< .006	mg/kg			WG509797	11/23/10 14:23
Acenaphthene	< .006	mg/kg			WG509797	11/23/10 14:23
Acenaphthylene	< .006	mg/kg			WG509797	11/23/10 14:23
Anthracene	< .006	mg/kg			WG509797	11/23/10 14:23
Benzo(a)anthracene	< .006	mg/kg			WG509797	11/23/10 14:23
Benzo(a)pyrene	< .006	mg/kg			WG509797	11/23/10 14:23
Benzo(b)fluoranthene	< .006	mg/kg			WG509797	11/23/10 14:23
Benzo(g,h,i)perylene	< .006	mg/kg			WG509797	11/23/10 14:23
Benzo(k)fluoranthene	< .006	mg/kg			WG509797	11/23/10 14:23
Chrysene	< .006	mg/kg			WG509797	11/23/10 14:23
Dibenz(a,h)anthracene	< .006	mg/kg			WG509797	11/23/10 14:23
Fluoranthene	< .006	mg/kg			WG509797	11/23/10 14:23
Fluorene	< .006	mg/kg			WG509797	11/23/10 14:23
Indeno(1,2,3-cd)pyrene	< .006	mg/kg			WG509797	11/23/10 14:23
Naphthalene	< .006	mg/kg			WG509797	11/23/10 14:23
Phenanthrene	< .006	mg/kg			WG509797	11/23/10 14:23
Pyrene	< .006	mg/kg			WG509797	11/23/10 14:23
2-Fluorobiphenyl		% Rec.	75.32	21-120	WG509797	11/23/10 14:23
Nitrobenzene-d5		% Rec.	78.47	33-114	WG509797	11/23/10 14:23
p-Terphenyl-d14		% Rec.	84.24	18-142	WG509797	11/23/10 14:23
Benzene	< .0005	mg/kg			WG510177	11/24/10 13:20
Ethylbenzene	< .0005	mg/kg			WG510177	11/24/10 13:20
Toluene	< .005	mg/kg			WG510177	11/24/10 13:20
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG510177	11/24/10 13:20
Total Xylene	< .0015	mg/kg			WG510177	11/24/10 13:20
a,a,a-Trifluorotoluene(FID)		% Rec.	97.88	59-128	WG510177	11/24/10 13:20
a,a,a-Trifluorotoluene(PID)		% Rec.	102.2	54-144	WG510177	11/24/10 13:20
Chromium,Hexavalent	< 2	mg/kg			WG510059	11/26/10 09:55
Arsenic	< 1	mg/kg			WG509715	11/26/10 09:53
Barium	< .25	mg/kg			WG509715	11/26/10 09:53
Cadmium	< .25	mg/kg			WG509715	11/26/10 09:53
Chromium	< .5	mg/kg			WG509715	11/26/10 09:53
Copper	< 1	mg/kg			WG509715	11/26/10 09:53
Lead	< .25	mg/kg			WG509715	11/26/10 09:53
Nickel	< 1	mg/kg			WG509715	11/26/10 09:53
Selenium	< 1	mg/kg			WG509715	11/26/10 09:53
Silver	< .5	mg/kg			WG509715	11/26/10 09:53
TPH (GC/FID) High Fraction	< 4	ppm			WG510132	11/29/10 10:25
o-Terphenyl		% Rec.	67.10	50-150	WG510132	11/29/10 10:25

* 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 Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Mercury	mg/kg	0	0		0	20	L490143-05	WG509602
ORP	mV	0	0		0	20	L490094-01	WG509822
pH	su	7.70	7.80		1.29*	1	L489772-01	WG509615
pH	su	7.00	7.20		2.82*	1	L490111-02	WG509615
Specific Conductance	umhos/cm	110.	98.0		15.9	20	L489647-01	WG509821
Specific Conductance	umhos/cm	380.	390.		2.33	20	L490240-02	WG509821
Chromium, Hexavalent	mg/kg	0	0		0	20	L490464-01	WG510059
Arsenic	mg/kg	0	0		0	20	L490159-16	WG509715
Barium	mg/kg	120.	130.		8.84	20	L490159-16	WG509715
Cadmium	mg/kg	0.380	0.300		24.3*	20	L490159-16	WG509715
Chromium	mg/kg	20.0	21.0		3.39	20	L490159-16	WG509715
Copper	mg/kg	13.0	14.6		13.9	20	L490159-16	WG509715
Lead	mg/kg	11.0	10.0		7.69	20	L490159-16	WG509715
Nickel	mg/kg	14.0	21.7		45.2*	20	L490159-16	WG509715
Selenium	mg/kg	13.0	13.0		0	20	L490159-16	WG509715
Silver	mg/kg	0	0		0	20	L490159-16	WG509715

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Mercury	mg/kg	8.77	10.2	116.	71.6-127.7	WG509602
ORP	mV	229	220.	96.1	95.6-104.37	WG509822
pH	su	6.92	6.90	99.7	97.98-102.02	WG509615
Specific Conductance	umhos/cm	406	420.	103.	85-115	WG509821
1-Methylnaphthalene	mg/kg	.033	0.0278	84.2	41-110	WG509797
2-Chloronaphthalene	mg/kg	.033	0.0289	87.6	43-109	WG509797
2-Methylnaphthalene	mg/kg	.033	0.0272	82.4	38-104	WG509797
Acenaphthene	mg/kg	.033	0.0281	85.1	48-103	WG509797
Acenaphthylene	mg/kg	.033	0.0288	87.3	43-106	WG509797
Anthracene	mg/kg	.033	0.0303	91.9	51-110	WG509797
Benzo(a)anthracene	mg/kg	.033	0.0271	82.1	38-126	WG509797
Benzo(a)pyrene	mg/kg	.033	0.0311	94.1	47-118	WG509797
Benzo(b)fluoranthene	mg/kg	.033	0.0331	100.	47-118	WG509797
Benzo(g,h,i)perylene	mg/kg	.033	0.0317	96.2	40-125	WG509797
Benzo(k)fluoranthene	mg/kg	.033	0.0291	88.3	45-121	WG509797
Chrysene	mg/kg	.033	0.0290	87.9	35-135	WG509797
Dibenz(a,h)anthracene	mg/kg	.033	0.0300	90.9	41-124	WG509797
Fluoranthene	mg/kg	.033	0.0333	101.	50-114	WG509797
Fluorene	mg/kg	.033	0.0304	92.0	49-109	WG509797
Indeno(1,2,3-cd)pyrene	mg/kg	.033	0.0312	94.4	40-126	WG509797
Naphthalene	mg/kg	.033	0.0254	77.1	36-100	WG509797
Phenanthrene	mg/kg	.033	0.0288	87.2	46-108	WG509797

* 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 Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Pyrene	mg/kg	.033	0.0251	76.1	30-136	WG509797
2-Fluorobiphenyl				75.33	21-120	WG509797
Nitrobenzene-d5				70.34	33-114	WG509797
p-Terphenyl-d14				77.43	18-142	WG509797
Benzene	mg/kg	.05	0.0491	98.2	76-113	WG510177
Ethylbenzene	mg/kg	.05	0.0524	105.	78-115	WG510177
Toluene	mg/kg	.05	0.0512	102.	76-114	WG510177
Total Xylene	mg/kg	.15	0.159	106.	81-118	WG510177
a,a,a-Trifluorotoluene(PID)				99.87	54-144	WG510177
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.58	101.	67-135	WG510177
a,a,a-Trifluorotoluene(FID)				89.39	59-128	WG510177
Chromium, Hexavalent	mg/kg	100	99.6	99.6	50-143	WG510059
Arsenic	mg/kg	192	175.	91.1	78.6-120.8	WG509715
Barium	mg/kg	420	412.	98.1	78.8-121.4	WG509715
Cadmium	mg/kg	70.1	63.5	90.6	78.5-121.5	WG509715
Chromium	mg/kg	168	166.	98.8	80.4-120.2	WG509715
Copper	mg/kg	122	125.	102.	81.6-119.7	WG509715
Lead	mg/kg	113	106.	93.8	77.3-122.1	WG509715
Nickel	mg/kg	74.1	80.2	108.	78.8-121.2	WG509715
Selenium	mg/kg	176	187.	106.	75.6-125.0	WG509715
Silver	mg/kg	115	115.	100.	66-133.9	WG509715
TPH (GC/FID) High Fraction	ppm	60	50.1	83.5	50-150	WG510132
o-Terphenyl				67.44	50-150	WG510132

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
ORP	mV	220.	220.	96.0	95.6-104.37	0	20	WG509822
pH	su	6.90	6.90	100.	97.98-102.02	0	20	WG509615
Specific Conductance	umhos/	420.	420.	103.	85-115	0	20	WG509821
1-Methylnaphthalene	mg/kg	0.0282	0.0278	85.0	41-110	1.46	24	WG509797
2-Chloronaphthalene	mg/kg	0.0289	0.0289	88.0	43-109	0.0614	21	WG509797
2-Methylnaphthalene	mg/kg	0.0283	0.0272	86.0	38-104	4.09	24	WG509797
Acenaphthene	mg/kg	0.0290	0.0281	88.0	48-103	3.13	20	WG509797
Acenaphthylene	mg/kg	0.0311	0.0288	94.0	43-106	7.72	20	WG509797
Anthracene	mg/kg	0.0298	0.0303	90.0	51-110	1.70	22	WG509797
Benzo(a)anthracene	mg/kg	0.0278	0.0271	84.0	38-126	2.54	20	WG509797
Benzo(a)pyrene	mg/kg	0.0319	0.0311	96.0	47-118	2.59	20	WG509797
Benzo(b)fluoranthene	mg/kg	0.0310	0.0331	94.0	47-118	6.29	29	WG509797
Benzo(g,h,i)perylene	mg/kg	0.0379	0.0317	115.	40-125	17.8	20	WG509797
Benzo(k)fluoranthene	mg/kg	0.0303	0.0291	92.0	45-121	3.84	31	WG509797
Chrysene	mg/kg	0.0304	0.0290	92.0	35-135	4.69	20	WG509797
Dibenz(a,h)anthracene	mg/kg	0.0345	0.0300	104.	41-124	14.0	20	WG509797
Fluoranthene	mg/kg	0.0310	0.0333	94.0	50-114	7.26	20	WG509797
Fluorene	mg/kg	0.0302	0.0304	91.0	49-109	0.627	19	WG509797

* 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 Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Indeno(1,2,3-cd)pyrene	mg/kg	0.0365	0.0312	111.	40-126	15.8	20	WG509797
Naphthalene	mg/kg	0.0270	0.0254	82.0	36-100	5.89	24	WG509797
Phenanthrene	mg/kg	0.0291	0.0288	88.0	46-108	0.901	21	WG509797
Pyrene	mg/kg	0.0273	0.0251	83.0	30-136	8.21	20	WG509797
2-Fluorobiphenyl				85.76	21-120			WG509797
Nitrobenzene-d5				81.36	33-114			WG509797
p-Terphenyl-d14				80.56	18-142			WG509797
Benzene	mg/kg	0.0493	0.0491	99.0	76-113	0.490	20	WG510177
Ethylbenzene	mg/kg	0.0527	0.0524	105.	78-115	0.580	20	WG510177
Toluene	mg/kg	0.0510	0.0512	102.	76-114	0.360	20	WG510177
Total Xylene	mg/kg	0.159	0.159	106.	81-118	0.0900	20	WG510177
a,a,a-Trifluorotoluene(PID)				99.60	54-144			WG510177
TPH (GC/FID) Low Fraction	mg/kg	6.07	5.58	110.	67-135	8.38	20	WG510177
a,a,a-Trifluorotoluene(FID)				91.05	59-128			WG510177
Chromium, Hexavalent	mg/kg	101.	99.6	101.	50-143	1.40	20	WG510059
TPH (GC/FID) High Fraction	ppm	50.6	50.1	84.0	50-150	1.03	25	WG510132
o-Terphenyl				69.36	50-150			WG510132

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Mercury	mg/kg	0.251	0	.25	100.	70-130	L490143-05	WG509602
1-Methylnaphthalene	mg/kg	2.05	1.90	.033	459.*	19-131	L490143-01	WG509797
2-Chloronaphthalene	mg/kg	0.0306	0.0300	.033	1.74*	38-117	L490143-01	WG509797
2-Methylnaphthalene	mg/kg	4.09	4.20	.033	0*	18-125	L490143-01	WG509797
Acenaphthene	mg/kg	0.0574	0.0240	.033	101.	31-120	L490143-01	WG509797
Acenaphthylene	mg/kg	0.0422	0.0110	.033	94.7	34-116	L490143-01	WG509797
Anthracene	mg/kg	0.0516	0	.033	156.*	32-131	L490143-01	WG509797
Benzo(a)anthracene	mg/kg	0.0315	0.00140	.033	91.1	32-131	L490143-01	WG509797
Benzo(a)pyrene	mg/kg	0.0319	0	.033	96.6	28-130	L490143-01	WG509797
Benzo(b)fluoranthene	mg/kg	0.0378	0	.033	115.	37-130	L490143-01	WG509797
Benzo(g,h,i)perylene	mg/kg	0.0492	0.00100	.033	146.*	10-134	L490143-01	WG509797
Benzo(k)fluoranthene	mg/kg	0.0332	0	.033	100.	31-129	L490143-01	WG509797
Chrysene	mg/kg	0.0278	0	.033	84.1	25-137	L490143-01	WG509797
Dibenz(a,h)anthracene	mg/kg	0.0429	0.00300	.033	121.	20-134	L490143-01	WG509797
Fluoranthene	mg/kg	0.0353	0.00280	.033	98.6	27-138	L490143-01	WG509797
Fluorene	mg/kg	0.0690	0.0320	.033	112.	26-136	L490143-01	WG509797
Indeno(1,2,3-cd)pyrene	mg/kg	0.0457	0	.033	138.*	16-135	L490143-01	WG509797
Naphthalene	mg/kg	1.36	1.10	.033	788.*	22-121	L490143-01	WG509797
Phenanthrene	mg/kg	0.0645	0.0400	.033	74.2	27-133	L490143-01	WG509797
Pyrene	mg/kg	0.0290	0.00470	.033	73.7	22-133	L490143-01	WG509797
2-Fluorobiphenyl					104.8	21-120		WG509797
Nitrobenzene-d5					103.9	33-114		WG509797
p-Terphenyl-d14					73.91	18-142		WG509797
Benzene	mg/kg	0.235	0.0100	.05	90.0	32-137	L490094-01	WG510177
Ethylbenzene	mg/kg	0.235	0.00320	.05	92.8	10-150	L490094-01	WG510177
Toluene	mg/kg	0.249	0	.05	99.6	20-142	L490094-01	WG510177
Total Xylene	mg/kg	0.732	0.0110	.15	96.2	16-141	L490094-01	WG510177
a,a,a-Trifluorotoluene(PID)					99.21	54-144		WG510177

* 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 Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
TPH (GC/FID) Low Fraction	mg/kg	21.9	1.00	5.5	76.1	55-109	L490094-01	WG510177
a,a,a-Trifluorotoluene(FID)					90.45	59-128		WG510177
Chromium,Hexavalent	mg/kg	0.356	0	20	1.78*	50-150	L490094-01	WG510059
Arsenic	mg/kg	42.6	0	50	85.2	75-125	L490159-16	WG509715
Barium	mg/kg	171.	130.	50	82.0	75-125	L490159-16	WG509715
Cadmium	mg/kg	42.7	0.300	50	84.8	75-125	L490159-16	WG509715
Chromium	mg/kg	66.2	21.0	50	90.4	75-125	L490159-16	WG509715
Copper	mg/kg	63.1	14.6	50	97.0	75-125	L490159-16	WG509715
Lead	mg/kg	54.1	10.0	50	88.2	75-125	L490159-16	WG509715
Nickel	mg/kg	69.2	21.7	50	95.0	75-125	L490159-16	WG509715
Selenium	mg/kg	54.7	13.0	50	83.4	75-125	L490159-16	WG509715
Silver	mg/kg	44.2	0	50	88.4	75-125	L490159-16	WG509715
TPH (GC/FID) High Fraction	ppm	54.2	5.19	60	81.8	50-150	L490038-02	WG510132
o-Terphenyl					81.26	50-150		WG510132

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Mercury	mg/kg	0.249	0.251	99.6	70-130	0.800	20	L490143-05	WG509602
1-Methylnaphthalene	mg/kg	2.17	2.05	833.*	19-131	5.84	30	L490143-01	WG509797
2-Chloronaphthalene	mg/kg	0.0266	0.0306	0*	38-117	13.7	26	L490143-01	WG509797
2-Methylnaphthalene	mg/kg	3.80	4.09	0*	18-125	7.53	29	L490143-01	WG509797
Acenaphthene	mg/kg	0.0534	0.0574	89.0	31-120	7.30	30	L490143-01	WG509797
Acenaphthylene	mg/kg	0.0415	0.0422	92.6	34-116	1.66	29	L490143-01	WG509797
Anthracene	mg/kg	0.0381	0.0516	115.	32-131	30.1*	26	L490143-01	WG509797
Benzo(a)anthracene	mg/kg	0.0285	0.0315	82.0	32-131	10.1	31	L490143-01	WG509797
Benzo(a)pyrene	mg/kg	0.0293	0.0319	88.9	28-130	8.35	28	L490143-01	WG509797
Benzo(b)fluoranthene	mg/kg	0.0348	0.0378	105.	37-130	8.39	41	L490143-01	WG509797
Benzo(g,h,i)perylene	mg/kg	0.0467	0.0492	139.*	10-134	5.18	26	L490143-01	WG509797
Benzo(k)fluoranthene	mg/kg	0.0279	0.0332	84.4	31-129	17.5	42	L490143-01	WG509797
Chrysene	mg/kg	0.0270	0.0278	81.8	25-137	2.86	22	L490143-01	WG509797
Dibenz(a,h)anthracene	mg/kg	0.0400	0.0429	112.	20-134	6.99	25	L490143-01	WG509797
Fluoranthene	mg/kg	0.0295	0.0353	81.0	27-138	18.0	35	L490143-01	WG509797
Fluorene	mg/kg	0.0701	0.0690	115.	26-136	1.67	30	L490143-01	WG509797
Indeno(1,2,3-cd)pyrene	mg/kg	0.0427	0.0457	129.	16-135	6.72	26	L490143-01	WG509797
Naphthalene	mg/kg	1.32	1.36	653.*	22-121	3.33	30	L490143-01	WG509797
Phenanthrene	mg/kg	0.0693	0.0645	88.6	27-133	7.14	36	L490143-01	WG509797
Pyrene	mg/kg	0.0297	0.0290	75.8	22-133	2.32	33	L490143-01	WG509797
2-Fluorobiphenyl				96.26	21-120				WG509797
Nitrobenzene-d5				100.6	33-114				WG509797
p-Terphenyl-d14				72.67	18-142				WG509797
Benzene	mg/kg	0.236	0.235	90.5	32-137	0.530	39	L490094-01	WG510177
Ethylbenzene	mg/kg	0.233	0.235	91.8	10-150	1.13	44	L490094-01	WG510177
Toluene	mg/kg	0.244	0.249	97.5	20-142	2.09	42	L490094-01	WG510177
Total Xylene	mg/kg	0.710	0.732	93.2	16-141	3.10	46	L490094-01	WG510177
a,a,a-Trifluorotoluene(PID)				98.79	54-144				WG510177
TPH (GC/FID) Low Fraction	mg/kg	24.4	21.9	85.2	55-109	10.8	20	L490094-01	WG510177
a,a,a-Trifluorotoluene(FID)				89.98	59-128				WG510177

* 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 Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Chromium,Hexavalent	mg/kg	0.176	0.356	0.880*	50-150	67.7*	20	L490094-01	WG510059
Arsenic	mg/kg	39.0	42.6	78.0	75-125	8.82	20	L490159-16	WG509715
Barium	mg/kg	164.	171.	68.0*	75-125	4.18	20	L490159-16	WG509715
Cadmium	mg/kg	39.7	42.7	78.8	75-125	7.28	20	L490159-16	WG509715
Chromium	mg/kg	64.5	66.2	87.0	75-125	2.60	20	L490159-16	WG509715
Copper	mg/kg	57.9	63.1	86.6	75-125	8.60	20	L490159-16	WG509715
Lead	mg/kg	51.2	54.1	82.4	75-125	5.51	20	L490159-16	WG509715
Nickel	mg/kg	56.8	69.2	70.2*	75-125	19.7	20	L490159-16	WG509715
Selenium	mg/kg	51.5	54.7	77.0	75-125	6.03	20	L490159-16	WG509715
Silver	mg/kg	42.1	44.2	84.2	75-125	4.87	20	L490159-16	WG509715
TPH (GC/FID) High Fraction	ppm	49.4	54.2	73.6	50-150	9.39	25	L490038-02	WG510132
o-Terphenyl				77.23	50-150				WG510132

Batch number /Run number / Sample number cross reference

WG509705: R1485609: L490094-01
WG509602: R1486230: L490094-01
WG509822: R1486432: L490094-01
WG509615: R1486438: L490094-01
WG509821: R1486630: L490094-01
WG509797: R1486891: L490094-01
WG510177: R1487390: L490094-01
WG510059: R1487889: L490094-01
WG509715: R1489130: L490094-01
WG510132: R1491291: L490094-01

* * Calculations are performed prior to rounding of reported values .

* 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 Oil & Gas Inc. - CO
Chris Hines or Brad Kieding
2717 County Road 215, Suite 100

Parachute, CO 81635

Quality Assurance Report
Level II

L490094

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

November 30, 2010

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.