ANALYTICAL REPORT

August 18, 2015

EnCana Oil & Gas - Parachute, CO

Sample Delivery Group:	L782564
Samples Received:	08/13/2015
Project Number:	LONG 1-3
Description:	Long 1-3 Pit
Site:	LONG 1-3
Report To:	Brett Middleton 143 Diamond Avenue Parachute, CO 81635

Entire Report Reviewed By:

Jarred Willis
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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2015-0812-LONG 1-3 PIT (S WALL) 4FT L782564-01 Solid

Collected by: Matt Kasten | Collected date/time: 08/12/15 12:30 | Received date/time: 08/13/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO	WG809269	1	08/14/15 16:49	08/15/15 01:03	CLG
Volatile Organic Compounds (GC) by Method 8021/8015	WG809082	5	08/13/15 23:16	08/14/15 07:30	MCB

2015-0812-LONG 1-3 PIT (W WALL) 4FT L782564-02 Solid

Collected by: Matt Kasten | Collected date/time: 08/12/15 12:35 | Received date/time: 08/13/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO	WG809269	1	08/14/15 16:49	08/15/15 01:14	CLG
Volatile Organic Compounds (GC) by Method 8021/8015	WG809082	5	08/13/15 23:16	08/14/15 07:55	MCB

2015-0812-LONG 1-3 PIT (N WALL) 4FT L782564-03 Solid

Collected by: Matt Kasten | Collected date/time: 08/12/15 12:40 | Received date/time: 08/13/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO	WG809269	1	08/14/15 16:49	08/15/15 01:25	CLG
Volatile Organic Compounds (GC) by Method 8021/8015	WG809082	5	08/13/15 23:16	08/14/15 14:57	MCB

2015-0812-LONG 1-3 PIT (E WALL) 4FT L782564-04 Solid

Collected by: Matt Kasten | Collected date/time: 08/12/15 12:45 | Received date/time: 08/13/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO	WG809269	1	08/14/15 16:49	08/15/15 01:36	CLG
Volatile Organic Compounds (GC) by Method 8021/8015	WG809082	5	08/13/15 23:16	08/14/15 15:22	MCB

2015-0812-LONG 1-3 PIT (BOT) 6FT L782564-05 Solid

Collected by: Matt Kasten | Collected date/time: 08/12/15 12:50 | Received date/time: 08/13/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Calculated Results	WG808983	1	08/17/15 10:52	08/18/15 11:39	JDG
Calculated Results	WG809022	1	08/14/15 10:31	08/18/15 15:12	WBD
Mercury by Method 7471A	WG809114	1	08/14/15 09:20	08/15/15 09:53	BRJ
Metals (ICP) by Method 6010B	WG809022	1	08/14/15 10:31	08/14/15 15:34	WBD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG809337	1	08/15/15 02:43	08/18/15 11:28	KMF
Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO	WG809654	1	08/17/15 00:38	08/17/15 12:29	CLG
Volatile Organic Compounds (GC) by Method 8021/8015	WG809082	5	08/13/15 23:16	08/14/15 15:47	MCB
Wet Chemistry by Method 2580 B-2011	WG808966	1	08/14/15 08:56	08/14/15 10:00	JER
Wet Chemistry by Method 3060A/7196A	WG809424	1	08/16/15 05:00	08/17/15 08:49	JM
Wet Chemistry by Method 9045D	WG809245	1	08/17/15 14:00	08/17/15 14:00	SJM
Wet Chemistry by Method 9050AMod	WG809763	1	08/18/15 10:03	08/18/15 10:03	TOF

2015-0812-LONG 1-3 PIT (STOCKPILE) L782564-06 Solid

Collected by: Matt Kasten | Collected date/time: 08/12/15 13:00 | Received date/time: 08/13/15 09:00

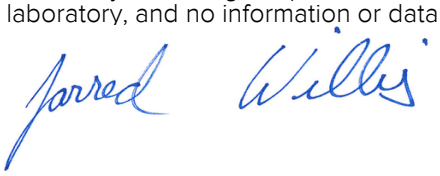
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Calculated Results	WG808983	1	08/17/15 10:52	08/18/15 11:39	JDG
Calculated Results	WG809022	1	08/14/15 10:31	08/18/15 15:12	WBD
Mercury by Method 7471A	WG809114	1	08/14/15 09:20	08/15/15 10:01	BRJ
Metals (ICP) by Method 6010B	WG809022	1	08/14/15 10:31	08/14/15 15:21	WBD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG809337	1	08/15/15 02:43	08/18/15 11:50	KMF
Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO	WG809269	1	08/14/15 16:49	08/15/15 02:21	CLG
Volatile Organic Compounds (GC) by Method 8021/8015	WG809082	5	08/13/15 23:16	08/14/15 16:12	MCB

2015-0812-LONG 1-3 PIT (STOCKPILE) L782564-06 Solid

Collected by: Matt Kasten
Collected date/time: 08/12/15 13:00
Received date/time: 08/13/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Wet Chemistry by Method 2580 B-2011	WG808966	1	08/14/15 08:56	08/14/15 10:00	JER
Wet Chemistry by Method 3060A/7196A	WG809424	1	08/16/15 05:00	08/17/15 08:49	JM
Wet Chemistry by Method 9045D	WG809245	1	08/17/15 14:00	08/17/15 14:00	SJM
Wet Chemistry by Method 9050AMod	WG809763	1	08/18/15 10:03	08/18/15 10:03	TOF

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the



Jarred Willis
Technical Service Representative

Volatile Organic Compounds (GC) by Method 8021/8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00250	5	08/14/2015 07:30	WG809082
Toluene	ND		0.0250	5	08/14/2015 07:30	WG809082
Ethylbenzene	ND		0.00250	5	08/14/2015 07:30	WG809082
Total Xylene	0.0285	J6	0.00750	5	08/14/2015 07:30	WG809082
TPH (GC/FID) Low Fraction	0.882		0.500	5	08/14/2015 07:30	WG809082
(S) a,a,a-Trifluorotoluene(FID)	*95.8*		*59.0-128*		*08/14/2015 07:30*	WG809082
(S) a,a,a-Trifluorotoluene(PID)	*102*		*54.0-144*		*08/14/2015 07:30*	WG809082

Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	39.4		4.00	1	08/15/2015 01:03	WG809269
(S) o-Terphenyl	*59.8*		*50.0-150*		*08/15/2015 01:03*	WG809269

Volatile Organic Compounds (GC) by Method 8021/8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00250	5	08/14/2015 07:55	WG809082
Toluene	ND		0.0250	5	08/14/2015 07:55	WG809082
Ethylbenzene	ND		0.00250	5	08/14/2015 07:55	WG809082
Total Xylene	ND		0.00750	5	08/14/2015 07:55	WG809082
TPH (GC/FID) Low Fraction	ND		0.500	5	08/14/2015 07:55	WG809082
(S) a,a,a-Trifluorotoluene(FID)	*94.6*		*59.0-128*		*08/14/2015 07:55*	WG809082
(S) a,a,a-Trifluorotoluene(PID)	*102*		*54.0-144*		*08/14/2015 07:55*	WG809082

Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	ND		4.00	1	08/15/2015 01:14	WG809269
(S) o-Terphenyl	*65.2*		*50.0-150*		*08/15/2015 01:14*	WG809269

Volatile Organic Compounds (GC) by Method 8021/8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.00526		0.00250	5	08/14/2015 14:57	WG809082
Toluene	ND		0.0250	5	08/14/2015 14:57	WG809082
Ethylbenzene	0.0119		0.00250	5	08/14/2015 14:57	WG809082
Total Xylene	0.121		0.00750	5	08/14/2015 14:57	WG809082
TPH (GC/FID) Low Fraction	16.1		0.500	5	08/14/2015 14:57	WG809082
(S) a,a,a-Trifluorotoluene(FID)	*91.9*		*59.0-128*		*08/14/2015 14:57*	WG809082
(S) a,a,a-Trifluorotoluene(PID)	*102*		*54.0-144*		*08/14/2015 14:57*	WG809082

Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	ND		4.00	1	08/15/2015 01:25	WG809269
(S) o-Terphenyl	*59.1*		*50.0-150*		*08/15/2015 01:25*	WG809269

Volatile Organic Compounds (GC) by Method 8021/8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00250	5	08/14/2015 15:22	WG809082
Toluene	ND		0.0250	5	08/14/2015 15:22	WG809082
Ethylbenzene	ND		0.00250	5	08/14/2015 15:22	WG809082
Total Xylene	0.0124		0.00750	5	08/14/2015 15:22	WG809082
TPH (GC/FID) Low Fraction	ND		0.500	5	08/14/2015 15:22	WG809082
(S) a,a,a-Trifluorotoluene(FID)	*95.8*		*59.0-128*		*08/14/2015 15:22*	WG809082
(S) a,a,a-Trifluorotoluene(PID)	*102*		*54.0-144*		*08/14/2015 15:22*	WG809082

Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	43.4		4.00	1	08/15/2015 01:36	WG809269
(S) o-Terphenyl	*61.3*		*50.0-150*		*08/15/2015 01:36*	WG809269

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.65			1	08/18/2015 11:39	WG808983

Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	34.2		2.00	1	08/18/2015 15:12	WG809022

Wet Chemistry by Method 2580 B-2011

Analyte	Result mV	Qualifier	Dilution	Analysis date / time	Batch
ORP	136		1	08/14/2015 10:00	WG808966

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	08/17/2015 08:49	WG809424

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	9.04		1	08/17/2015 14:00	WG809245

Sample Narrative:

9045D L782564-05 WG809245: 9.04 at 21.1c

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	1560		1	08/18/2015 10:03	WG809763

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0200	1	08/15/2015 09:53	WG809114

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.37		2.00	1	08/14/2015 15:34	WG809022
Barium	212		0.500	1	08/14/2015 15:34	WG809022
Cadmium	ND		0.500	1	08/14/2015 15:34	WG809022
Chromium	34.2		1.00	1	08/14/2015 15:34	WG809022
Copper	13.5		2.00	1	08/14/2015 15:34	WG809022
Lead	10.7		0.500	1	08/14/2015 15:34	WG809022
Nickel	20.0		2.00	1	08/14/2015 15:34	WG809022
Selenium	ND		2.00	1	08/14/2015 15:34	WG809022
Silver	ND		1.00	1	08/14/2015 15:34	WG809022
Zinc	21.9		5.00	1	08/14/2015 15:34	WG809022

Volatile Organic Compounds (GC) by Method 8021/8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.0187		0.00250	5	08/14/2015 15:47	WG809082
Toluene	ND		0.0250	5	08/14/2015 15:47	WG809082
Ethylbenzene	0.0145		0.00250	5	08/14/2015 15:47	WG809082
Total Xylene	0.0420		0.00750	5	08/14/2015 15:47	WG809082
TPH (GC/FID) Low Fraction	10.2		0.500	5	08/14/2015 15:47	WG809082
(S) α,α,α-Trifluorotoluene(FID)	*92.1*		*59.0-128*		*08/14/2015 15:47*	WG809082
(S) α,α,α-Trifluorotoluene(PID)	*103*		*54.0-144*		*08/14/2015 15:47*	WG809082

Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	48.8		4.00	1	08/17/2015 12:29	WG809654
(S) o-Terphenyl	*67.9*		*50.0-150*		*08/17/2015 12:29*	WG809654

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	08/18/2015 11:28	WG809337
Acenaphthene	0.0116		0.00600	1	08/18/2015 11:28	WG809337
Acenaphthylene	ND		0.00600	1	08/18/2015 11:28	WG809337
Benzo(a)anthracene	ND		0.00600	1	08/18/2015 11:28	WG809337
Benzo(a)pyrene	ND		0.00600	1	08/18/2015 11:28	WG809337
Benzo(b)fluoranthene	ND		0.00600	1	08/18/2015 11:28	WG809337
Benzo(g,h,i)perylene	ND		0.00600	1	08/18/2015 11:28	WG809337
Benzo(k)fluoranthene	ND		0.00600	1	08/18/2015 11:28	WG809337
Chrysene	ND		0.00600	1	08/18/2015 11:28	WG809337
Dibenz(a,h)anthracene	ND		0.00600	1	08/18/2015 11:28	WG809337
Fluoranthene	ND		0.00600	1	08/18/2015 11:28	WG809337
Fluorene	0.0255		0.00600	1	08/18/2015 11:28	WG809337
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	08/18/2015 11:28	WG809337
Naphthalene	0.0540		0.0200	1	08/18/2015 11:28	WG809337
Phenanthrene	0.0198		0.00600	1	08/18/2015 11:28	WG809337
Pyrene	ND		0.00600	1	08/18/2015 11:28	WG809337
1-Methylnaphthalene	0.148		0.0200	1	08/18/2015 11:28	WG809337
2-Methylnaphthalene	0.129		0.0200	1	08/18/2015 11:28	WG809337
2-Chloronaphthalene	ND		0.0200	1	08/18/2015 11:28	WG809337
(S) p-Terphenyl-d14	*49.7*		*32.2-131*		*08/18/2015 11:28*	WG809337
(S) Nitrobenzene-d5	*49.0*		*22.1-146*		*08/18/2015 11:28*	WG809337
(S) 2-Fluorobiphenyl	*64.1*		*40.6-122*		*08/18/2015 11:28*	WG809337

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.40			1	08/18/2015 11:39	WG808983

Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	17.4		2.00	1	08/18/2015 15:12	WG809022

Wet Chemistry by Method 2580 B-2011

Analyte	Result mV	Qualifier	Dilution	Analysis date / time	Batch
ORP	129		1	08/14/2015 10:00	WG808966

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	08/17/2015 08:49	WG809424

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.86		1	08/17/2015 14:00	WG809245

Sample Narrative:

9045D L782564-06 WG809245: 8.86 at 21.0c

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	Dilution	Analysis date / time	Batch
Specific Conductance	1900		1	08/18/2015 10:03	WG809763

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0200	1	08/15/2015 10:01	WG809114

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.98		2.00	1	08/14/2015 15:21	WG809022
Barium	127	J5	0.500	1	08/14/2015 15:21	WG809022
Cadmium	ND		0.500	1	08/14/2015 15:21	WG809022
Chromium	17.4		1.00	1	08/14/2015 15:21	WG809022
Copper	13.2		2.00	1	08/14/2015 15:21	WG809022
Lead	12.8		0.500	1	08/14/2015 15:21	WG809022
Nickel	28.9		2.00	1	08/14/2015 15:21	WG809022
Selenium	ND		2.00	1	08/14/2015 15:21	WG809022
Silver	ND		1.00	1	08/14/2015 15:21	WG809022
Zinc	38.4		5.00	1	08/14/2015 15:21	WG809022

Volatile Organic Compounds (GC) by Method 8021/8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00250	5	08/14/2015 16:12	WG809082
Toluene	ND		0.0250	5	08/14/2015 16:12	WG809082
Ethylbenzene	0.00281		0.00250	5	08/14/2015 16:12	WG809082
Total Xylene	0.0491		0.00750	5	08/14/2015 16:12	WG809082
TPH (GC/FID) Low Fraction	0.706		0.500	5	08/14/2015 16:12	WG809082
(S) α,α,α-Trifluorotoluene(FID)	*95.7*		*59.0-128*		*08/14/2015 16:12*	WG809082
(S) α,α,α-Trifluorotoluene(PID)	*103*		*54.0-144*		*08/14/2015 16:12*	WG809082

Semi-Volatile Organic Compounds (GC) by Method 8015D/DRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	31.3		4.00	1	08/15/2015 02:21	WG809269
(S) o-Terphenyl	*67.9*		*50.0-150*		*08/15/2015 02:21*	WG809269

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	08/18/2015 11:50	WG809337
Acenaphthene	ND		0.00600	1	08/18/2015 11:50	WG809337
Acenaphthylene	ND		0.00600	1	08/18/2015 11:50	WG809337
Benzo(a)anthracene	ND		0.00600	1	08/18/2015 11:50	WG809337
Benzo(a)pyrene	ND		0.00600	1	08/18/2015 11:50	WG809337
Benzo(b)fluoranthene	ND		0.00600	1	08/18/2015 11:50	WG809337
Benzo(g,h,i)perylene	ND		0.00600	1	08/18/2015 11:50	WG809337
Benzo(k)fluoranthene	ND		0.00600	1	08/18/2015 11:50	WG809337
Chrysene	ND		0.00600	1	08/18/2015 11:50	WG809337
Dibenz(a,h)anthracene	ND		0.00600	1	08/18/2015 11:50	WG809337
Fluoranthene	ND		0.00600	1	08/18/2015 11:50	WG809337
Fluorene	ND		0.00600	1	08/18/2015 11:50	WG809337
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	08/18/2015 11:50	WG809337
Naphthalene	ND		0.0200	1	08/18/2015 11:50	WG809337
Phenanthrene	ND		0.00600	1	08/18/2015 11:50	WG809337
Pyrene	ND		0.00600	1	08/18/2015 11:50	WG809337
1-Methylnaphthalene	0.0268		0.0200	1	08/18/2015 11:50	WG809337
2-Methylnaphthalene	0.0515		0.0200	1	08/18/2015 11:50	WG809337
2-Chloronaphthalene	ND		0.0200	1	08/18/2015 11:50	WG809337
(S) p-Terphenyl-d14	*53.0*		*32.2-131*		*08/18/2015 11:50*	WG809337
(S) Nitrobenzene-d5	*82.9*		*22.1-146*		*08/18/2015 11:50*	WG809337
(S) 2-Fluorobiphenyl	*62.1*		*40.6-122*		*08/18/2015 11:50*	WG809337

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

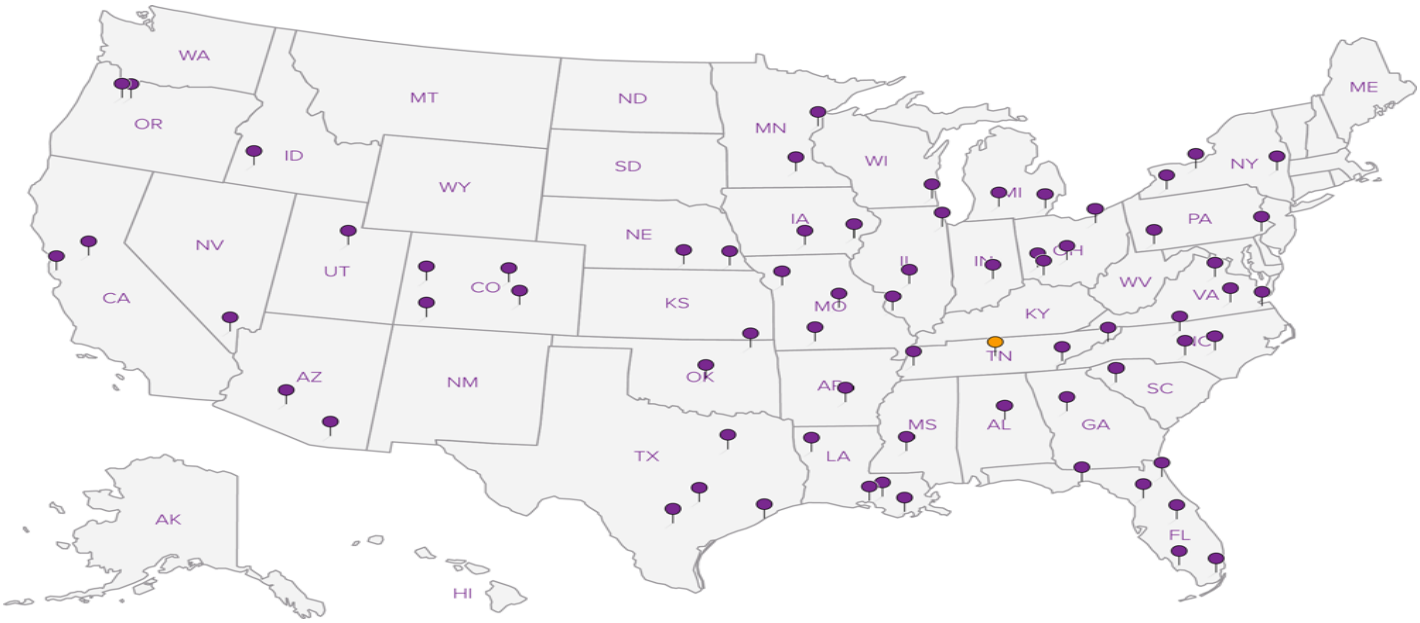
[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
Canada	1461.01	DOD	1461.01
EPA–Crypto	TN00003	USDA	S-67674

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address:
Encana Oil & Gas (USA)
143 Diamond Avenue
Parachute, CO 81635
ENCANACO

Billing Information:
Brett Middleton
143 Diamond Avenue
Parachute, CO 81635
970-285-2653

Report to: **Brett Middleton**

Email To: brett.middleton@encana.com

Project Description: LONG 1-3 Pit

City/State Collected: Colborn, Co

Phone: 970-285-2739
Fax:

Client Project # LONG 1-3

Lab Project #

Collected by (print): Matt Kasten

Site/Facility ID # LONG 1-3

P.O. # BAM

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ✓Yes
FAX? ✓No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEXGRO/DRO - 8021/8015	SV8270PAHSIM - 8270SIM	SPCON - 9050AMod	SAR - Calc.	RCRA8 Metals + Cu, Ni, and Zn - 6010/7470	CR6SS - 3060A/7196	CR3 - Calc.				Rem./Contaminant	Sample # (lab only)
20150812 - Long 1-3 Pit (South)	Grab	SS	4'	8/12/15	1230	1	X											-01
20150812 - Long 1-3 Pit (West)			4'		1235	1	X											-02
20150812 - Long 1-3 Pit (North)			4'		1240	1	X											-03
20150812 - Long 1-3 pit (East)			4'		1245	1	X											-04
20150812 - Long 1-3 pit (Pad)			6'		1250	3	X	X	X	X	X	X	X					-05
20150812 - Long 1-3 pit (Stockpile)	Comp		—		1300	3	X	X	X	X	X	X	X					-06

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L782564

H129

Acctnum:
Template:
Prelogin:
TSR:
PB:

Shipped Via:

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

pH _____ Temp _____

Flow _____ Other _____

Remarks: 6094 4445 1800

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	8/12/15	1800	
Relinquished by: (Signature)	Date: 8-12-15	Time: 1800	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Greg Noann

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.4 °C Bottles Received: 10 4h

Date: 8-13-15 Time: 0400

Condition: ✓ (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: