



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

Est. 1970

D Blake Ford
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

Report Summary

Tuesday October 01, 2013

Report Number: L658478

Samples Received: 09/19/13

Client Project: DEVORE 34-A-366SPILL

Description: Devore 34-A-366 Spill

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

Entire Report Reviewed By:


Jarred Willis , ESC Representative

Laboratory Certification Numbers

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

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REPORT OF ANALYSIS

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3601 Stagecoach Rd
Longmont, CO 80504

October 01, 2013

Date Received : September 19, 2013
Description : Devore 34-A-366 Spill
Sample ID : DEVORE34-A-366-SPILL-091213 6IN
Collected By : Blake Ford
Collection Date : 09/12/13 06:55

ESC Sample # : L658478-01
Site ID : 34-A-366 SPILL
Project # : DEVORE 34-A-366SPILL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium,Hexavalent	BDL	2.0	mg/kg	3060A/7196A	09/24/13	1
Chromium,Trivalent	7.2	2.0	mg/kg	Calc.	10/01/13	1
ORP	130		mV	2580 B-2011	09/24/13	1
pH	8.6		su	9045D	09/23/13	1
Sodium Adsorption Ratio	3.8			Calc.	09/24/13	1
Specific Conductance	440		umhos/cm	9050AMod	09/23/13	1
Mercury	BDL	0.020	mg/kg	7471	09/20/13	1
Arsenic	4.8	1.0	mg/kg	6010B	09/23/13	1
Barium	7400	0.50	mg/kg	6010B	09/25/13	2
Cadmium	BDL	0.25	mg/kg	6010B	09/23/13	1
Chromium	7.2	0.50	mg/kg	6010B	09/23/13	1
Copper	6.1	1.0	mg/kg	6010B	09/23/13	1
Lead	4.8	0.25	mg/kg	6010B	09/23/13	1
Nickel	2.4	1.0	mg/kg	6010B	09/25/13	1
Selenium	BDL	1.0	mg/kg	6010B	09/23/13	1
Silver	BDL	0.50	mg/kg	6010B	09/23/13	1
Zinc	24.	1.5	mg/kg	6010B	09/23/13	1
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	8015D/GRO	09/20/13	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene(FID)	93.6		% Rec.	602/8015	09/20/13	5
Benzene	BDL	0.0050	mg/kg	8260B	09/21/13	5
Toluene	BDL	0.025	mg/kg	8260B	09/21/13	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/21/13	5
Total Xylenes	BDL	0.015	mg/kg	8260B	09/21/13	5
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	09/21/13	5
Dibromofluoromethane	101.		% Rec.	8260B	09/21/13	5
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	09/21/13	5
4-Bromofluorobenzene	106.		% Rec.	8260B	09/21/13	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	09/20/13	1
Surrogate recovery(%) o-Terphenyl	82.8		% Rec.	3546/DRO	09/20/13	1

Polynuclear Aromatic Hydrocarbons

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L658478-01 (PH) - 8.6@20.5c



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ESC Sample # : L658478-01
Site ID : 34-A-366 SPILL
Project # : DEVORE 34-A-366SPILL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Acenaphthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Acenaphthylene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Benzo(a)anthracene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Benzo(a)pyrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Benzo(b)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Benzo(g,h,i)perylene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Benzo(k)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Chrysene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Dibenz(a,h)anthracene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Fluorene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Naphthalene	BDL	0.020	mg/kg	8270C-SIM	09/23/13	1
Phenanthrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
Pyrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/13	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8270C-SIM	09/23/13	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8270C-SIM	09/23/13	1
2-Chloronaphthalene	BDL	0.020	mg/kg	8270C-SIM	09/23/13	1
Surrogate Recovery						
Nitrobenzene-d5	81.6		% Rec.	8270C-SIM	09/23/13	1
2-Fluorobiphenyl	68.6		% Rec.	8270C-SIM	09/23/13	1
p-Terphenyl-d14	73.9		% Rec.	8270C-SIM	09/23/13	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: 10/01/13 14:59 Printed: 10/01/13 16:45
L658478-01 (PH) - 8.6@20.5c