



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

Blair Rollins
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Tuesday May 06, 2014

Report Number: L696375

Samples Received: 05/01/14

Client Project: 013-0621

Description: Pond 10 N/S Remediation

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:

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

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FL - E87487, GA - 923, IN - C-TN-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,
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REPORT OF ANALYSIS

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OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 06, 2014

Date Received : May 01, 2014
Description : Pond 10 N/S Remediation
Sample ID : SPILL PATH-5PT
Collected By : Lilly Griffin
Collection Date : 04/30/14 10:30

ESC Sample # : L696375-01

Site ID : 697-17-50 WATERFALL SP

Project # : 013-0621

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium,Hexavalent	BDL	2.0	mg/kg	3060A/7196A	05/03/14	1
Chromium,Trivalent	18.	2.0	mg/kg	Calc.	05/06/14	1
ORP	50.		mV	2580 B-2011	05/03/14	1
pH	8.1		su	9045D	05/02/14	1
Sodium Adsorption Ratio	39.			Calc.	05/06/14	1
Specific Conductance	5600		umhos/cm	9050AMod	05/03/14	1
Mercury	BDL	0.020	mg/kg	7471	05/02/14	1
Arsenic	10.	2.0	mg/kg	6010B	05/03/14	1
Barium	450	0.50	mg/kg	6010B	05/03/14	1
Cadmium	0.75	0.50	mg/kg	6010B	05/03/14	1
Chromium	18.	1.0	mg/kg	6010B	05/03/14	1
Copper	17.	2.0	mg/kg	6010B	05/03/14	1
Lead	10.	0.50	mg/kg	6010B	05/03/14	1
Nickel	12.	2.0	mg/kg	6010B	05/03/14	1
Selenium	BDL	2.0	mg/kg	6010B	05/03/14	1
Silver	BDL	1.0	mg/kg	6010B	05/03/14	1
Zinc	52.	3.0	mg/kg	6010B	05/03/14	1
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	8015D/GRO	05/03/14	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene(FID)	91.1		% Rec.	602/8015	05/03/14	5
Benzene	BDL	0.0050	mg/kg	8260B	05/03/14	5
Toluene	BDL	0.025	mg/kg	8260B	05/03/14	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	05/03/14	5
Total Xylenes	BDL	0.015	mg/kg	8260B	05/03/14	5
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	05/03/14	5
Dibromofluoromethane	88.9		% Rec.	8260B	05/03/14	5
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	05/03/14	5
4-Bromofluorobenzene	105.		% Rec.	8260B	05/03/14	5
TPH (GC/FID) High Fraction	71.	4.0	mg/kg	3546/DRO	05/02/14	1
Surrogate recovery(%) o-Terphenyl	66.1		% Rec.	3546/DRO	05/02/14	1

Polynuclear Aromatic Hydrocarbons

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L696375-01 (PH) - 8.1@19.6c



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Sample ID : SPILL PATH-5PT

Collected By : Lilly Griffin
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ESC Sample # : L696375-01

Site ID : 697-17-50 WATERFALL SP

Project # : 013-0621

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Acenaphthene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Acenaphthylene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Benzo(a)anthracene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Benzo(a)pyrene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Benzo(b)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Benzo(g,h,i)perylene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Benzo(k)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Chrysene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Dibenz(a,h)anthracene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Fluorene	0.0099	0.0060	mg/kg	8270C-SIM	05/04/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.0060	mg/kg	8270C-SIM	05/04/14	1
Naphthalene	BDL	0.020	mg/kg	8270C-SIM	05/04/14	1
Phenanthrene	0.024	0.0060	mg/kg	8270C-SIM	05/04/14	1
Pyrene	0.0082	0.0060	mg/kg	8270C-SIM	05/04/14	1
1-Methylnaphthalene	0.036	0.020	mg/kg	8270C-SIM	05/04/14	1
2-Methylnaphthalene	0.084	0.020	mg/kg	8270C-SIM	05/04/14	1
2-Chloronaphthalene	BDL	0.020	mg/kg	8270C-SIM	05/04/14	1
Surrogate Recovery						
p-Terphenyl-d14	87.0		% Rec.	8270C-SIM	05/04/14	1
Nitrobenzene-d5	87.5		% Rec.	8270C-SIM	05/04/14	1
2-Fluorobiphenyl	90.4		% Rec.	8270C-SIM	05/04/14	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: 05/06/14 17:23 Printed: 05/06/14 18:37
L696375-01 (PH) - 8.1@19.6c