

Enviro-Chem Analytical, Inc.

2493 Hwy 6&50 Unit 7
Grand Junction, CO 81505
970-242-6154 970-245-9260 fax

September 20, 2015

Maralex Resources
PO Box 338
Ignacio, CO 81137
ATTN: Naomi Azulai

Dear Ms. Azulai:

Enviro-Chem (ECA) received three samples on September 22, 2015. Two of the samples were for a full Table 910.1 Analytical Suite, and one sample was for TPH, BTEX, pH, SAR, and EC. These samples were hand delivered to the laboratory by yourself, and sampled by the same on September 22, 2015.

The samples were analyzed for the requested parameters using approved methodologies. All parameters and QC samples came back within their method specific windows without exception.

If you should require additional information regarding this report, please feel free to contact us.

Sincerely,

Liese K. Thompson

Liese K. Thompson
Lab Director
echema@bresnan.net

Enviro-Chem Analytical, Inc.

2493 Hwy 6&50 Unit 7

Grand Junction, CO 81505

970-242-6154 970-245-9260 fax

To: Maralex Resources
PO Box 338
Ignacio, CO 81137

Date: October 20, 2015
No: ECA/MR 15-01

SAMPLE IDENTIFICATION

Submitted by: Maralex

Date/ Time Sampled: September 22, 2015 10:15

Sample I.D.: Soil, #1 near cluster of holes
at Center, pond bottom

Date/Time Received: September 22, 2015 13:40

Comments: Kept 4C till tested

Date Tested: September 22-October 12, 2015

RESULTS

Analyte	Result (ug/Kg)	Report Limit	Test Date	Initials	Method
Naphthalene	ND	5.00	09/28/15	LA	SW8270B
Acenaphthene	ND	5.00	09/28/15	LA	SW8270B
Fluorene	ND	5.00	09/28/15	LA	SW8270B
Anthracene	ND	5.00	09/28/15	LA	SW8270B
Fluoranthene	ND	5.00	09/28/15	LA	SW8270B
Pyrene	ND	5.00	09/28/15	LA	SW8270B
Benzo(A)Anthracene	ND	5.00	09/28/15	LA	SW8270B
Chrysene	ND	5.00	09/28/15	LA	SW8270B
Benzo(B)Fluoranthene	ND	5.00	09/28/15	LA	SW8270B
Benzo(K)Fluoranthene	ND	5.00	09/28/15	LA	SW8270B
Benzo(A)Pyrene	ND	5.00	09/28/15	LA	SW8270B
Indeno(1,2,3-CD)Pyrene	ND	5.00	09/28/15	LA	SW8270B
Dibenzo(A,H)Anthracene	ND	5.00	09/28/15	LA	SW8270B

Surrogate	Result	Spike Value	%Recovery	Control Limit
Nitrobenzene-D5	92	100	92	85-115
2-Fluorobiphenyl	89	100	89	85-115
Terphenyl-D14	96	100	96	85-115

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Soil #1, near cluster of holes at center, pond bottom

Analyte	Result (mg/Kg)	Report Limit	Test Date	Initials	Method
TPH (GRO/DRO)	11.8	2.4	09/23/15	PW	8015B
Surrogate	Result	Spike Value	%Recovery	Control Limit	
p-Bromofluorobenzene	22.8	25	91.2	85-115	
o-Terphenyl	88.3	100	88.3	85-115	

Analyte	Result (ug/Kg)	Report Limit	Test Date	Initials	Method
Benzene	ND	0.50	09/23/15	PW	8021B
Toluene	ND	1.00	09/23/15	PW	8021B
Ethylbenzene	ND	1.00	09/23/15	PW	8021B
Xylenes, Total	ND	3.00	09/23/15	PW	8021B
Surrogate	Result	Spike Value	%Recovery	Control Limit	
p-Bromofluorobenzene	9.6	10.0	96.0	8.5-11.5	

Parameter	Result	Unit	Report Limit	Test Date	Initials	Method
Electrical Conductivity	14260	umhos/cm	1	10/03/15	CF	9050
SAR	78.5	NU	5	09/23/15	LT	SW846/calc.
pH	10.03	SU	0.10	09/22/15	LT	9045
Arsenic	5.700	mg/Kg	0.050	10/03/15	LT	7061
Barium (LDNR)	350	mg/Kg	0.200	10/01/15	LT	7080
Boron (Hot Water Soluble)	11	mg/Kg	0.50	10/03/15	LT	SM3500
Cadmium	ND	mg/Kg	0.05	10/01/15	LT	7130
Chromium(III)	13.3	mg/Kg	0.50	10/06/15	LT	7190
Chromium(VI)	ND	mg/Kg	1.00	09/22/15	LT	7196
Copper	12.9	mg/Kg	0.50	09/28/15	LT	7210
Lead	ND	mg/Kg	0.25	09/28/15	LT	7420
Mercury	ND	mg/Kg	0.020	09/24/15	LT	7470
Nickel	10.6	mg/Kg	2.00	09/25/15	LT	7520
Selenium	ND	mg/Kg	0.10	10/06/15	LT	7741
Silver	ND	mg/Kg	1.50	10/06/15	LT	7760
Zinc	42.9	mg/Kg	0.50	09/28/15	LT	7950

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To: Maralex Resources
PO Box 338
Ignacio, CO 81137

Date: October 20, 2015
No: ECA/MR 15-02

SAMPLE IDENTIFICATION

Submitted by: Maralex

Date/ Time Sampled: September 22, 2015 10:30

Sample I.D.: Soil, #2 at hole #10 N/E side
of pond, pond bottom

Date/Time Received: September 22, 2015 13:40

Comments: Kept 4C till tested

Date Tested: September 22-October 12, 2015

RESULTS

Analyte	Result (ug/Kg)	Report Limit	Test Date	Initials	Method
Naphthalene	ND	5.00	09/28/15	LA	SW8270B
Acenaphthene	ND	5.00	09/28/15	LA	SW8270B
Fluorene	ND	5.00	09/28/15	LA	SW8270B
Anthracene	ND	5.00	09/28/15	LA	SW8270B
Fluoranthene	ND	5.00	09/28/15	LA	SW8270B
Pyrene	ND	5.00	09/28/15	LA	SW8270B
Benzo(A)Anthracene	ND	5.00	09/28/15	LA	SW8270B
Chrysene	ND	5.00	09/28/15	LA	SW8270B
Benzo(B)Fluoranthene	ND	5.00	09/28/15	LA	SW8270B
Benzo(K)Fluoranthene	ND	5.00	09/28/15	LA	SW8270B
Benzo(A)Pyrene	ND	5.00	09/28/15	LA	SW8270B
Indeno(1,2,3-CD)Pyrene	ND	5.00	09/28/15	LA	SW8270B
Dibenzo(A,H)Anthracene	ND	5.00	09/28/15	LA	SW8270B

Surrogate	Result	Spike Value	%Recovery	Control Limit
Nitrobenzene-D5	90.5	100	90.5	85-115
2-Fluorobiphenyl	88	100	88	85-115
Terphenyl-D14	94.3	100	94.3	85-115

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Soil #2, at hole #10 N/E side of pond, pond bottom

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Analyte	Result (mg/Kg)	Report Limit	Test Date	Initials	Method
TPH (GRO/DRO)	10.7	2.4	09/23/15	PW	8015B
Surrogate	Result	Spike Value	%Recovery	Control Limit	
p-Bromofluorobenzene	23.4	25	93.6	85-115	
o-Terphenyl	90.5	100	90.5	85-115	

Analyte	Result (ug/Kg)	Report Limit	Test Date	Initials	Method
Benzene	ND	0.50	09/23/15	PW	8021B
Toluene	ND	1.00	09/23/15	PW	8021B
Ethylbenzene	ND	1.00	09/23/15	PW	8021B
Xylenes, Total	ND	3.00	09/23/15	PW	8021B
Surrogate	Result	Spike Value	%Recovery	Control Limit	
p-Bromofluorobenzene	9.9	10.0	99.0	8.5-11.5	

Parameter	Result	Unit	Report Limit	Test Date	Initials	Method
Electrical Conductivity	6060	umhos/cm	1	10/03/15	CF	9050
SAR	14.3	NU	5	09/23/15	LT	SW846/calc.
pH	9.78	SU	0.10	09/22/15	LT	9045
Arsenic	5.950	mg/Kg	0.050	10/03/15	LT	7061
Barium (LDNR)	360	mg/Kg	0.200	10/01/15	LT	7080
Boron (Hot Water Soluble)	13	mg/Kg	0.50	10/03/15	LT	SM3500
Cadmium	ND	mg/Kg	0.05	10/01/15	LT	7130
Chromium(III)	11.6	mg/Kg	0.50	10/06/15	LT	7190
Chromium(VI)	ND	mg/Kg	1.00	09/22/15	LT	7196
Copper	10.9	mg/Kg	0.50	09/28/15	LT	7210
Lead	ND	mg/Kg	0.25	09/28/15	LT	7420
Mercury	ND	mg/Kg	0.020	09/24/15	LT	7470
Nickel	8.85	mg/Kg	2.00	09/25/15	LT	7520
Selenium	ND	mg/Kg	0.10	10/06/15	LT	7741
Silver	ND	mg/Kg	1.50	10/06/15	LT	7760
Zinc	35.8	mg/Kg	0.50	09/28/15	LT	7950

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To: Maralex Resources
PO Box 338
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Date: October 20, 2015
No: ECA/MR 15-03

SAMPLE IDENTIFICATION

Submitted by: Maralex Date/ Time Sampled: September 22, 2015 10:45
Sample I.D.: Soil, #3 side slope SW Date/Time Received: September 22, 2015 13:40
Comments: Kept 4C till tested Date Tested: September 22-October 12, 2015

RESULTS

<u>Analyte</u>	<u>Result (mg/Kg)</u>	<u>Report Limit</u>	<u>Test Date</u>	<u>Initials</u>	<u>Method</u>
TPH (GRO/DRO)	8.24	2.4	09/23/15	PW	8015B

Surrogate	Result	Spike Value	%Recovery	Control Limit
p-Bromofluorobenzene	23.6	25	94.4	85-115
o-Terphenyl	92.3	100	92.3	85-115

<u>Analyte</u>	<u>Result (ug/Kg)</u>	<u>Report Limit</u>	<u>Test Date</u>	<u>Initials</u>	<u>Method</u>
Benzene	ND	0.50	09/23/15	PW	8021B
Toluene	ND	1.00	09/23/15	PW	8021B
Ethylbenzene	ND	1.00	09/23/15	PW	8021B
Xylenes, Total	ND	3.00	09/23/15	PW	8021B

Surrogate	Result	Spike Value	%Recovery	Control Limit
p-Bromofluorobenzene	9.28	10.0	92.8	8.5-11.5

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Report Limit</u>	<u>Test Date</u>	<u>Initials</u>	<u>Method</u>
Electrical Conductivity	7260	umhos/cm	1	10/03/15	CF	9050
SAR	16.1	NU	5	09/23/15	LT	SW846/calc.
pH	8.97	SU	0.10	09/22/15	LT	9045

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