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30 June 2015

Naomi Azulai
Maralex
PO Box 338
Ignacio, CO 81137
RE: Table 910

Enclosed are the results of analyses for samples received by the laboratory on 06/17/15 13:35.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water



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Maralex
PO Box 338
Ignacio CO, 81137

Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Trail Canyon 23-3M Pit	1506182-01	Solid	06/17/15 13:35	06/17/15 13:35

Green Analytical Laboratories

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Trail Canyon 23-3M Pit**1506182-01 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	66.2			%	1	06/23/15	EPA160.3/2540C		JGS
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Saturated Paste Extraction

Calcium	52.7	10.0	0.039	mg/L	10	06/27/15	EPA200.7		JGS
Conductivity	1000			umhos/cm	1	06/30/15	ASA#9 10-3.3		LLG
Magnesium	<10.0	10.0	0.190	mg/L	10	06/27/15	EPA200.7		JGS
pH	7.88			pH Units	1	06/29/15	ASA#9 12-2.6		LLG
SAR	4.62			[blank]	1	06/27/15	Calculation		JGS
Sodium	134	20.0	0.041	mg/L	10	06/27/15	EPA200.7		JGS

Total Metals by ICP

Barium	139	1.00	0.191	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Cadmium	<5.00	5.00	0.117	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Chromium	16.6	5.00	0.636	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Copper	31.8	2.00	0.650	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Lead	20.4	10.0	1.84	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Nickel	25.1	5.00	1.55	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Selenium	<20.0	20.0	3.61	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Silver	<5.00	5.00	0.231	mg/kg dry	100	06/25/15	EPA6010 B		JGS
Zinc	119	5.00	0.792	mg/kg dry	100	06/25/15	EPA6010 B		JGS

Total Metals by ICPMS

Arsenic	6.20	0.500	0.260	mg/kg dry	1000	06/24/15	6020 A		JGS
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Total Mercury by CVAA

Mercury	0.154	0.146	0.0158	mg/kg dry	485	06/23/15	EPA7471		JGS
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Project: Table 910
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Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Trail Canyon 23-3M Pit**1506182-01 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Hot Water Extractable

Boron	1.02	0.300	0.033	mg/L	1	06/27/15	EPA200.7		JGS
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Subcontracted -- **Cardinal Laboratories**

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.010	mg/kg	50	06/24/15	8021B		MS
Toluene*	<0.050	0.050	0.015	mg/kg	50	06/24/15	8021B		MS
Ethylbenzene*	<0.050	0.050	0.008	mg/kg	50	06/24/15	8021B		MS
Total Xylenes*	<0.150	0.150	0.018	mg/kg	50	06/24/15	8021B		MS
Total BTEX	<0.300	0.300		mg/kg	50	06/24/15	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)

111 % 61-154 06/24/15 8021B MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	1.30	mg/kg	1	06/23/15	8015B		MS
DRO >C10-C28	<10.0	10.0	2.91	mg/kg	1	06/23/15	8015B		MS
EXT DRO >C28-C35	<10.0	10.0	2.91	mg/kg	1	06/23/15	8015B		MS

Surrogate: 1-Chlorooctane

115 % 47.2-157 06/23/15 8015B MS

Surrogate: 1-Chlorooctadecane

127 % 52.1-176 06/23/15 8015B MS

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Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Trail Canyon 23-3M Pit**1506182-01 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- **Cardinal Laboratories**

Semivolatile Organic Compounds by GCMS

Naphthalene	<0.002	0.040	0.002	mg/kg	40	06/23/15	8270C		MS
2-Methylnaphthalene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
1-Methylnaphthalene	<0.001	0.020	0.001	mg/kg	40	06/23/15	8270C		MS
Acenaphthylene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Acenaphthene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Fluorene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Phenanthrene	<0.006	0.040	0.006	mg/kg	40	06/23/15	8270C		MS
Anthracene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Carbazole	<0.004	0.040	0.004	mg/kg	40	06/23/15	8270C		MS
Fluoranthene	<0.007	0.040	0.007	mg/kg	40	06/23/15	8270C		MS
Pyrene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Benzo[a]anthracene	<0.016	0.040	0.016	mg/kg	40	06/23/15	8270C		MS
Chrysene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Benzo[b]fluoranthene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Benzo[k]fluoranthene	<0.004	0.040	0.004	mg/kg	40	06/23/15	8270C		MS
Benzo[a]pyrene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Indeno[1,2,3-cd]pyrene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Dibenz[a,h]anthracene	<0.003	0.040	0.003	mg/kg	40	06/23/15	8270C		MS
Benzo[g,h,i]perylene	<0.030	0.040	0.030	mg/kg	40	06/23/15	8270C		MS

Surrogate: Nitrobenzene-d5	68.0 %	20.4-109	06/23/15	8270C	MS
Surrogate: 2-Fluorobiphenyl	79.3 %	23.4-133	06/23/15	8270C	MS
Surrogate: Terphenyl-d14	107 %	38.4-163	06/23/15	8270C	MS

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Project Manager: Naomi Azulai

Reported:
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Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B506277 - Dissolved Metals, E200.7/E200.8

Duplicate (B506277-DUP1)

Source: 1506180-01

Prepared: 06/26/15 Analyzed: 06/27/15

Calcium	189	10.0	mg/L		213			11.8	20	
Magnesium	51.7	10.0	mg/L		58.1			11.8	20	
Sodium	1300	20.0	mg/L		1410			8.33	20	

Batch B506288 - General Prep - Wet Chem

Duplicate (B506288-DUP1)

Source: 1506180-01

Prepared & Analyzed: 06/29/15

pH	8.06		pH Units		7.71			4.44	20	
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Batch B506297 - General Prep - Wet Chem

Duplicate (B506297-DUP1)

Source: 1506180-01

Prepared & Analyzed: 06/30/15

Conductivity	8060		umhos/cm		8920			10.1	20	
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Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B506244 - EPA 3050

Blank (B506244-BLK1)

Prepared & Analyzed: 06/25/15

Barium	ND	0.010	mg/kg dry
Cadmium	ND	0.050	mg/kg dry
Chromium	ND	0.050	mg/kg dry
Copper	ND	0.020	mg/kg dry
Lead	ND	0.100	mg/kg dry
Nickel	ND	0.050	mg/kg dry
Selenium	ND	0.200	mg/kg dry
Silver	ND	0.050	mg/kg dry
Zinc	ND	0.050	mg/kg dry

LCS (B506244-BS1)

Prepared & Analyzed: 06/25/15

Barium	1.92	0.010	mg/kg dry	2.00	96.1	85-115
Cadmium	1.96	0.050	mg/kg dry	2.00	98.0	85-115
Chromium	2.00	0.050	mg/kg dry	2.00	99.8	85-115
Copper	4.07	0.020	mg/kg dry	4.00	102	85-115
Lead	2.01	0.100	mg/kg dry	2.00	101	85-115
Nickel	1.90	0.050	mg/kg dry	2.00	95.2	85-115
Selenium	7.89	0.200	mg/kg dry	8.00	98.6	85-115
Silver	0.094	0.050	mg/kg dry	0.100	94.1	85-115
Zinc	1.87	0.050	mg/kg dry	2.00	93.4	85-115

LCS Dup (B506244-BSD1)

Prepared & Analyzed: 06/25/15

Barium	1.94	0.010	mg/kg dry	2.00	97.2	85-115	1.08	20
Cadmium	1.98	0.050	mg/kg dry	2.00	99.0	85-115	0.969	20
Chromium	2.03	0.050	mg/kg dry	2.00	101	85-115	1.53	20
Copper	4.11	0.020	mg/kg dry	4.00	103	85-115	0.990	20
Lead	2.03	0.100	mg/kg dry	2.00	102	85-115	1.06	20
Nickel	1.93	0.050	mg/kg dry	2.00	96.6	85-115	1.51	20
Selenium	8.02	0.200	mg/kg dry	8.00	100	85-115	1.64	20
Silver	0.095	0.050	mg/kg dry	0.100	94.6	85-115	0.557	20
Zinc	1.89	0.050	mg/kg dry	2.00	94.7	85-115	1.39	20

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Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Total Metals by ICPMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B506231 - EPA 3050M

Blank (B506231-BLK1)

Prepared & Analyzed: 06/24/15

Arsenic	0.0006	0.0005	mg/kg dry							B1
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LCS (B506231-BS1)

Prepared & Analyzed: 06/24/15

Arsenic	0.0524	0.0005	mg/kg dry	0.0500		105	85-115			
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LCS Dup (B506231-BSD1)

Prepared & Analyzed: 06/24/15

Arsenic	0.0525	0.0005	mg/kg dry	0.0500		105	85-115	0.183	20	
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Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Total Mercury by CVAA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B506223 - EPA 7471

Blank (B506223-BLK1)

Prepared & Analyzed: 06/23/15

Mercury ND 0.0002 mg/kg wet

LCS (B506223-BS1)

Prepared & Analyzed: 06/23/15

Mercury 0.0020 0.0002 mg/kg wet 0.00200 101 85-115

LCS Dup (B506223-BSD1)

Prepared & Analyzed: 06/23/15

Mercury 0.0020 0.0002 mg/kg wet 0.00200 100 85-115 0.498 20

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Project: Table 910
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Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B506276 - Hot Water Soluble Metals Extract

Blank (B506276-BLK1)

Prepared: 06/26/15 Analyzed: 06/27/15

Boron	ND	0.300	mg/L							
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LCS (B506276-BS1)

Prepared: 06/26/15 Analyzed: 06/27/15

Boron	4.88	0.300	mg/L	5.00		97.6	85-115			
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LCS Dup (B506276-BSD1)

Prepared: 06/26/15 Analyzed: 06/27/15

Boron	4.88	0.300	mg/L	5.00		97.6	85-115	0.0233	20	
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Project: Table 910
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Project Manager: Naomi Azulai

Reported:
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5062403 - Volatiles

Blank (5062403-BLK1)

Prepared & Analyzed: 06/24/15

Surrogate: 4-Bromofluorobenzene (PID)	0.0553		mg/kg	0.0500		111	61-154		
Benzene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Total Xylenes	ND	0.150	mg/kg						

LCS (5062403-BS1)

Prepared & Analyzed: 06/24/15

Surrogate: 4-Bromofluorobenzene (PID)	0.0476		mg/kg	0.0500		95.1	61-154		
Benzene	1.99	0.050	mg/kg	2.00		99.6	77.1-114		
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	63.5-121		
Toluene	1.99	0.050	mg/kg	2.00		99.7	67-114		
Total Xylenes	5.70	0.150	mg/kg	6.00		95.0	62.4-125		

LCS Dup (5062403-BSD1)

Prepared & Analyzed: 06/24/15

Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.7	61-154		
Benzene	1.93	0.050	mg/kg	2.00		96.7	77.1-114	2.89	16.4
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	63.5-121	0.543	17
Toluene	1.99	0.050	mg/kg	2.00		99.7	67-114	0.0251	16.2
Total Xylenes	5.78	0.150	mg/kg	6.00		96.3	62.4-125	1.41	17

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Reported:
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Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5062301 - General Prep - Organics

Blank (5062301-BLK1)

Prepared & Analyzed: 06/23/15

Surrogate: 1-Chlorooctadecane	63.0		mg/kg	50.0		126	52.1-176			
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0		100	47.2-157			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							

LCS (5062301-BS1)

Prepared & Analyzed: 06/23/15

Surrogate: 1-Chlorooctadecane	63.3		mg/kg	50.0		127	52.1-176			
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	47.2-157			
DRO >C10-C28	190	10.0	mg/kg	200		95.2	81.3-118			
GRO C6-C10	181	10.0	mg/kg	200		90.5	72.5-115			
Total TPH C6-C28	371	10.0	mg/kg	400		92.8	80-113			

LCS Dup (5062301-BSD1)

Prepared & Analyzed: 06/23/15

Surrogate: 1-Chlorooctadecane	63.0		mg/kg	50.0		126	52.1-176			
Surrogate: 1-Chlorooctane	55.1		mg/kg	50.0		110	47.2-157			
DRO >C10-C28	196	10.0	mg/kg	200		98.1	81.3-118	3.04	15.3	
GRO C6-C10	184	10.0	mg/kg	200		92.2	72.5-115	1.80	10.1	
Total TPH C6-C28	381	10.0	mg/kg	400		95.1	80-113	2.44	12.1	

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Maralex
PO Box 338
Ignacio CO, 81137

Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5062304 - SW846-3510

Blank (5062304-BLK1)

Prepared & Analyzed: 06/23/15

1-Methylnaphthalene	ND	0.020	mg/kg							
Surrogate: 2-Fluorobiphenyl	1.62		mg/kg	2.00		81.2	23.4-133			
2-Methylnaphthalene	ND	0.040	mg/kg							
Acenaphthene	ND	0.040	mg/kg							
Acenaphthylene	ND	0.040	mg/kg							
Anthracene	ND	0.040	mg/kg							
Benzo[a]anthracene	ND	0.040	mg/kg							
Benzo[a]pyrene	ND	0.040	mg/kg							
Benzo[b]fluoranthene	ND	0.040	mg/kg							
Benzo[g,h,i]perylene	ND	0.040	mg/kg							
Benzo[k]fluoranthene	ND	0.040	mg/kg							
Carbazole	ND	0.040	mg/kg							
Chrysene	ND	0.040	mg/kg							
Dibenz[a,h]anthracene	ND	0.040	mg/kg							
Fluoranthene	ND	0.040	mg/kg							
Fluorene	ND	0.040	mg/kg							
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg							
Naphthalene	ND	0.040	mg/kg							
Surrogate: Nitrobenzene-d5	1.56		mg/kg	2.00		78.1	20.4-109			
Phenanthrene	ND	0.040	mg/kg							
Pyrene	ND	0.040	mg/kg							
Surrogate: Terphenyl-d14	1.87		mg/kg	2.00		93.5	38.4-163			

LCS (5062304-BS1)

Prepared & Analyzed: 06/23/15

Surrogate: 2-Fluorobiphenyl	1.80		mg/kg	2.00		90.1	23.4-133			
2-Methylnaphthalene	0.313	0.040	mg/kg	0.400		78.2	41.4-151			
Acenaphthene	0.325	0.040	mg/kg	0.400		81.3	39.3-154			
Acenaphthylene	0.323	0.040	mg/kg	0.400		80.8	39.2-150			
Anthracene	0.344	0.040	mg/kg	0.400		85.9	33.5-162			
Benzo[a]anthracene	0.334	0.040	mg/kg	0.400		83.5	28.6-167			
Benzo[a]pyrene	0.339	0.040	mg/kg	0.400		84.8	27.2-163			
Benzo[b]fluoranthene	0.314	0.040	mg/kg	0.400		78.6	24-168			
Benzo[g,h,i]perylene	0.353	0.040	mg/kg	0.400		88.3	14.1-172			
Benzo[k]fluoranthene	0.360	0.040	mg/kg	0.400		90.0	28.9-170			
Carbazole	0.338	0.040	mg/kg	0.400		84.6	31.6-163			
Chrysene	0.341	0.040	mg/kg	0.400		85.3	27.7-171			
Dibenz[a,h]anthracene	0.357	0.040	mg/kg	0.400		89.2	19-164			
Fluoranthene	0.346	0.040	mg/kg	0.400		86.6	38.5-165			

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Debbie Zufelt, Reports Manager

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Maralex
PO Box 338
Ignacio CO, 81137

Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5062304 - SW846-3510

LCS (5062304-BS1)

Prepared & Analyzed: 06/23/15

Fluorene	0.326	0.040	mg/kg	0.400		81.5	40.4-158			
Indeno[1,2,3-cd]pyrene	0.355	0.040	mg/kg	0.400		88.7	21.9-162			
Naphthalene	0.310	0.040	mg/kg	0.400		77.4	33.8-147			
Surrogate: Nitrobenzene-d5	1.71		mg/kg	2.00		85.4	20.4-109			
Phenanthrene	0.341	0.040	mg/kg	0.400		85.3	34.7-164			
Pyrene	0.328	0.040	mg/kg	0.400		82.0	28-180			
Surrogate: Terphenyl-d14	1.94		mg/kg	2.00		97.1	38.4-163			

LCS Dup (5062304-BSD1)

Prepared & Analyzed: 06/23/15

Surrogate: 2-Fluorobiphenyl	1.77		mg/kg	2.00		88.5	23.4-133			
2-Methylnaphthalene	0.307	0.040	mg/kg	0.400		76.7	41.4-151	1.89	20	
Acenaphthene	0.330	0.040	mg/kg	0.400		82.5	39.3-154	1.46	20	
Acenaphthylene	0.328	0.040	mg/kg	0.400		82.0	39.2-150	1.36	20	
Anthracene	0.343	0.040	mg/kg	0.400		85.7	33.5-162	0.195	20	
Benzo[a]anthracene	0.333	0.040	mg/kg	0.400		83.3	28.6-167	0.291	20	
Benzo[a]pyrene	0.338	0.040	mg/kg	0.400		84.6	27.2-163	0.221	20	
Benzo[b]fluoranthene	0.325	0.040	mg/kg	0.400		81.4	24-168	3.44	21.5	
Benzo[g,h,i]perylene	0.346	0.040	mg/kg	0.400		86.5	14.1-172	2.03	39.3	
Benzo[k]fluoranthene	0.355	0.040	mg/kg	0.400		88.7	28.9-170	1.51	20.5	
Carbazole	0.330	0.040	mg/kg	0.400		82.4	31.6-163	2.63	20	
Chrysene	0.341	0.040	mg/kg	0.400		85.4	27.7-171	0.0674	20	
Dibenz[a,h]anthracene	0.348	0.040	mg/kg	0.400		87.1	19-164	2.33	30.5	
Fluoranthene	0.344	0.040	mg/kg	0.400		86.0	38.5-165	0.690	20	
Fluorene	0.331	0.040	mg/kg	0.400		82.8	40.4-158	1.68	20	
Indeno[1,2,3-cd]pyrene	0.350	0.040	mg/kg	0.400		87.4	21.9-162	1.48	32.1	
Naphthalene	0.318	0.040	mg/kg	0.400		79.4	33.8-147	2.52	20	
Surrogate: Nitrobenzene-d5	1.65		mg/kg	2.00		82.4	20.4-109			
Phenanthrene	0.347	0.040	mg/kg	0.400		86.8	34.7-164	1.76	20	
Pyrene	0.354	0.040	mg/kg	0.400		88.6	28-180	7.76	20	
Surrogate: Terphenyl-d14	2.02		mg/kg	2.00		101	38.4-163			

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Debbie Zufelt, Reports Manager

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Maralex
PO Box 338
Ignacio CO, 81137

Project: Table 910
Project Name / Number: Trail Canyon 23-3M Pit Closure
Project Manager: Naomi Azulai

Reported:
06/30/15 12:42

Notes and Definitions

B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: **Maralex Resources, Inc.**

Project Manager: **Naomi Azulai**

Address: **PO Box 338**

City: **Ignacio**

Phone #: **563.4000**

Additional Report To:

Project Name: **Trail Canyon 23-3M Pit Closure**

Project Number:

Sampler Name (Print): **Naomi Azulai**

FOR LAB USE ONLY

Lab I.D.

Sample Name or Location

1506182-01 Trail Canyon 23-3M Pit

Date: **6-17-15** Time: **1:35**

Collected Matrix (check one)
☒ GROUNDWATER
☐ SURFACEWATER
☐ WASTEWATER
☐ PRODUCEDWATER
☒ SOIL
☐ OTHER :

of containers
No preservation (general)
HNO₃
HCl
H₂SO₄
Other: **Ziplock**
Other:
Other:

ANALYSIS REQUEST

X COGCC's Table 910-1

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Relinquished By:

N. AZULAI

Date: **6/18/15**

Received By:

Relinquished By:

Date:

Dustin J. J. J.

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

Sampler: **UPS** - FedEx - Kangaroo - Other: