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12 August 2022

Sabre Beebe
Simcoe LLC
1199 Main Ave Suite 101
Durango, CO 81301
RE: COGCC Table 915-1

Enclosed are the results of analyses for samples received by the laboratory on 07/26/22 10:07. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen
Laboratory Director

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. TNI Certificate Number: T104704514-22-14

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 through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-22-15



Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Raymond Koon A1 Project Manager: Sabre Beebe	Reported: 08/12/22 16:37
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01 Point of Release	2207271-01	Solid	07/26/22 06:26	07/26/22 10:07	

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Jeremy D Allen, Laboratory Director

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SS01 Point of Release

2207271-01 (Soil)

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

Hexavalent Chromium	<0.250	0.250	0.128	mg/kg dry	25	08/01/22 15:20	3060A/3500-Cr B	M5	AES
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Saturated Paste Extraction

Calcium	33.4	1.00	0.579	mg/L	10	07/29/22 11:33	EPA200.7		AES
Conductivity	4380			umho/cm @ 25.0°C	1	07/28/22 15:30	ASA#9 10-3.3		QEB
Magnesium	7.70	1.00	0.654	mg/L	10	07/29/22 11:33	EPA200.7		AES
pH	8.37			pH Units	1	07/28/22 15:30	ASA#9 10-3.2		QEB
SAR	33.9			No Unit	1	07/29/22 11:33	Calculation		AES
Sodium	835	10.0	0.793	mg/L	10	07/29/22 11:33	EPA200.7		AES

Total Metals by ICP

Barium	281	5.00	1.10	mg/kg dry	100	07/29/22 12:16	6010B		AES
Cadmium	<5.00	5.00	2.54	mg/kg dry	100	08/01/22 15:20	6010B		AES
Chromium	15.7	5.00	1.58	mg/kg dry	100	07/29/22 12:16	6010B		AES
Copper	12.5	5.00	2.83	mg/kg dry	100	07/29/22 12:16	6010B		AES
Lead	<10.0	10.0	4.02	mg/kg dry	100	07/29/22 12:16	6010B		AES
Nickel	11.4	5.00	2.41	mg/kg dry	100	08/01/22 15:20	6010B		AES
Selenium	<20.0	20.0	5.39	mg/kg dry	100	07/29/22 12:16	6010B		AES
Silver	<1.00	1.00	0.518	mg/kg dry	100	07/29/22 12:16	6010B		AES
Zinc	36.3	10.0	2.18	mg/kg dry	100	08/05/22 13:11	6010B		AES

Total Metals by ICPMS

Arsenic	2.77	1.00	0.158	mg/kg dry	1000	08/05/22 11:39	6020A		AES
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Hot Water Extractable

Boron	1.36	1.20	0.568	mg/L	4	07/29/22 11:46	EPA200.7		AES
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	08/03/22 01:09	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	08/03/22 01:09	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	08/03/22 01:09	8015B		MS

Surrogate: 1-Chlorooctane			97.8 %	43-149		08/03/22 01:09	8015B		MS
Surrogate: 1-Chlorooctadecane			91.8 %	42.5-161		08/03/22 01:09	8015B		MS

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SS01 Point of Release

2207271-01 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

Benzene*	<0.0250	0.0250	0.00885	mg/kg	50	08/04/22 14:00	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	08/04/22 14:00	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	08/04/22 14:00	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	08/04/22 14:00	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	08/04/22 14:00	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	08/04/22 14:00	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	08/04/22 14:00	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	08/04/22 14:00	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	08/04/22 14:00	8260B		MS
Surrogate: Dibromofluoromethane			97.7 %	84.6-114		08/04/22 14:00	8260B		MS
Surrogate: Toluene-d8			97.4 %	90.4-109		08/04/22 14:00	8260B		MS
Surrogate: 4-Bromofluorobenzene			95.7 %	82.5-117		08/04/22 14:00	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	08/11/22 13:54	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	08/11/22 13:54	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	08/11/22 13:54	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	08/11/22 13:54	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	08/11/22 13:54	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	08/11/22 13:54	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	08/11/22 13:54	8270C	QR-03	MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	08/11/22 13:54	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	08/11/22 13:54	8270C		MS
Chrysene	<0.017	0.040	0.017	mg/kg	40	08/11/22 13:54	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	08/11/22 13:54	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	08/11/22 13:54	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	08/11/22 13:54	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	08/11/22 13:54	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	08/11/22 13:54	8270C		MS
Surrogate: Nitrobenzene-d5			64.5 %	39.6-121		08/11/22 13:54	8270C		MS

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SS01 Point of Release

2207271-01 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Polynuclear Aromatic Compounds by GC/MS

Surrogate: 2-Fluorobiphenyl	74.6 %	39.8-134				08/11/22 13:54	8270C		MS
Surrogate: Terphenyl-d14	75.9 %	33.3-136				08/11/22 13:54	8270C		MS

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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B222081 - General Prep - Wet Chem										
Blank (B222081-BLK1) Prepared & Analyzed: 08/01/22										
Hexavalent Chromium	ND	0.250	mg/kg dry							
LCS (B222081-BS1) Prepared & Analyzed: 08/01/22										
Hexavalent Chromium	2.41	0.250	mg/kg dry	2.50		96.4	85-115			

Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B222046 - Paste Extract										
Blank (B222046-BLK1) Prepared: 07/28/22 Analyzed: 07/29/22										
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							
Reference (B222046-SRM1) Prepared: 07/28/22 Analyzed: 07/29/22										
SAR	10.6		No Unit	10.5		101	90-110			
Batch B222047 - Paste Extract										
Reference (B222047-SRM1) Prepared & Analyzed: 07/28/22										
Conductivity	7970		umho/cm @ 25.0°C	8340		95.6	90-110			
Batch B222048 - Paste Extract										
Reference (B222048-SRM1) Prepared & Analyzed: 07/28/22										
pH	6.88		pH Units	6.93		99.3	92-108			

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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 B222037 - EPA 3050

Blank (B222037-BLK1)

Prepared: 07/28/22 Analyzed: 07/29/22

Barium	ND	5.00	mg/kg dry							
Cadmium	ND	5.00	mg/kg dry							
Chromium	ND	5.00	mg/kg dry							
Copper	ND	5.00	mg/kg dry							
Lead	ND	10.0	mg/kg dry							
Nickel	ND	5.00	mg/kg dry							
Selenium	ND	20.0	mg/kg dry							
Silver	ND	1.00	mg/kg dry							

LCS (B222037-BS1)

Prepared: 07/28/22 Analyzed: 07/29/22

Barium	164	5.00	mg/kg dry	200	81.9	80-120				
Cadmium	162	5.00	mg/kg dry	200	81.1	80-120				
Chromium	165	5.00	mg/kg dry	200	82.6	80-120				
Copper	329	5.00	mg/kg dry	400	82.2	80-120				
Lead	161	10.0	mg/kg dry	200	80.7	80-120				
Nickel	162	5.00	mg/kg dry	200	81.1	80-120				
Selenium	694	20.0	mg/kg dry	800	86.7	80-120				
Silver	8.48	1.00	mg/kg dry	10.0	84.8	80-120				

LCS Dup (B222037-BSD1)

Prepared: 07/28/22 Analyzed: 07/29/22

Barium	166	5.00	mg/kg dry	200	82.9	80-120	1.12	20		
Cadmium	162	5.00	mg/kg dry	200	81.2	80-120	0.0160	20		
Chromium	167	5.00	mg/kg dry	200	83.4	80-120	0.866	20		
Copper	332	5.00	mg/kg dry	400	82.9	80-120	0.818	20		
Lead	161	10.0	mg/kg dry	200	80.5	80-120	0.185	20		
Nickel	167	5.00	mg/kg dry	200	83.3	80-120	2.70	20		
Selenium	704	20.0	mg/kg dry	800	88.0	80-120	1.48	20		
Silver	8.60	1.00	mg/kg dry	10.0	86.0	80-120	1.47	20		

Batch B222109 - EPA 3050

Blank (B222109-BLK1)

Prepared: 08/03/22 Analyzed: 08/05/22

Zinc	ND	10.0	mg/kg dry							
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LCS (B222109-BS1)

Prepared: 08/03/22 Analyzed: 08/05/22

Zinc	170	10.0	mg/kg dry	200	85.0	80-120				
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LCS Dup (B222109-BSD1)

Prepared: 08/03/22 Analyzed: 08/05/22

Zinc	171	10.0	mg/kg dry	200	85.4	80-120	0.451	20		
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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 B222038 - EPA 3050M

Blank (B222038-BLK1)

Prepared: 07/28/22 Analyzed: 08/05/22

Arsenic	ND	0.100	mg/kg dry							
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LCS (B222038-BS1)

Prepared: 07/28/22 Analyzed: 08/05/22

Arsenic	4.83	0.100	mg/kg dry	5.00		96.6	80-120			
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LCS Dup (B222038-BSD1)

Prepared: 07/28/22 Analyzed: 08/05/22

Arsenic	4.92	0.100	mg/kg dry	5.00		98.4	80-120	1.81	20	
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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 B222056 - Hot Water Soluble Metals Extract

Blank (B222056-BLK1)

Prepared: 07/28/22 Analyzed: 07/29/22

Boron	ND	1.20	mg/L							
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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 2080113 - General Prep - Organics

Blank (2080113-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Surrogate: 1-Chlorooctadecane	50.8		mg/kg	50.0		102	42.5-161			
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	43-149			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							

LCS (2080113-BS1)

Prepared: 08/01/22 Analyzed: 08/02/22

Surrogate: 1-Chlorooctadecane	57.2		mg/kg	50.0		114	42.5-161			
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	43-149			
DRO >C10-C28	252	10.0	mg/kg	200		126	75.8-135			
GRO C6-C10	243	10.0	mg/kg	200		121	78.5-128			
Total TPH C6-C28	495	10.0	mg/kg	400		124	81.5-127			

LCS Dup (2080113-BSD1)

Prepared: 08/01/22 Analyzed: 08/02/22

Surrogate: 1-Chlorooctadecane	59.1		mg/kg	50.0		118	42.5-161			
Surrogate: 1-Chlorooctane	59.6		mg/kg	50.0		119	43-149			
DRO >C10-C28	246	10.0	mg/kg	200		123	75.8-135	2.49	17.9	
GRO C6-C10	247	10.0	mg/kg	200		124	78.5-128	1.83	21.4	
Total TPH C6-C28	493	10.0	mg/kg	400		123	81.5-127	0.345	17.6	

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VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2080324 - Volatiles

Blank (2080324-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

1,2,4-Trimethylbenzene	ND	0.0250	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0250	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene</i>	1.19		mg/kg	1.25		95.6	82.5-117			
Benzene	ND	0.0250	mg/kg							
<i>Surrogate: Dibromofluoromethane</i>	1.21		mg/kg	1.25		96.9	84.6-114			
Ethylbenzene	ND	0.0250	mg/kg							
m+p - Xylene	ND	0.0500	mg/kg							
Naphthalene	ND	0.0250	mg/kg							
o-Xylene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	mg/kg							
<i>Surrogate: Toluene-d8</i>	1.23		mg/kg	1.25		98.3	90.4-109			
Total Xylenes	ND	0.0750	mg/kg							

LCS (2080324-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

1,2,4-Trimethylbenzene	0.476	0.0250	mg/kg	0.500		95.1	62.4-140			
1,3,5-Trimethylbenzene	0.488	0.0250	mg/kg	0.500		97.5	64.4-138			
<i>Surrogate: 4-Bromofluorobenzene</i>	1.24		mg/kg	1.25		98.8	82.5-117			
Benzene	0.460	0.0250	mg/kg	0.500		92.0	73-130			
<i>Surrogate: Dibromofluoromethane</i>	1.26		mg/kg	1.25		100	84.6-114			
Ethylbenzene	0.463	0.0250	mg/kg	0.500		92.5	75.4-127			
m+p - Xylene	0.953	0.0500	mg/kg	1.00		95.3	71.8-133			
Naphthalene	0.470	0.0250	mg/kg	0.500		94.1	28.7-158			
o-Xylene	0.461	0.0250	mg/kg	0.500		92.2	78.6-125			
Toluene	0.452	0.0250	mg/kg	0.500		90.5	79-122			
<i>Surrogate: Toluene-d8</i>	1.24		mg/kg	1.25		99.1	90.4-109			
Total Xylenes	1.41	0.0750	mg/kg	1.50		94.3	74.6-130			

LCS Dup (2080324-BSD1)

Prepared: 08/03/22 Analyzed: 08/04/22

1,2,4-Trimethylbenzene	0.463	0.0250	mg/kg	0.500		92.5	62.4-140	2.74	38.2	
1,3,5-Trimethylbenzene	0.466	0.0250	mg/kg	0.500		93.3	64.4-138	4.49	39.1	
<i>Surrogate: 4-Bromofluorobenzene</i>	1.22		mg/kg	1.25		97.5	82.5-117			
Benzene	0.457	0.0250	mg/kg	0.500		91.4	73-130	0.632	17.1	
<i>Surrogate: Dibromofluoromethane</i>	1.25		mg/kg	1.25		100	84.6-114			
Ethylbenzene	0.457	0.0250	mg/kg	0.500		91.3	75.4-127	1.33	16.5	
m+p - Xylene	0.941	0.0500	mg/kg	1.00		94.1	71.8-133	1.35	19.1	
Naphthalene	0.441	0.0250	mg/kg	0.500		88.2	28.7-158	6.47	64	
o-Xylene	0.455	0.0250	mg/kg	0.500		91.0	78.6-125	1.31	13.2	
Toluene	0.447	0.0250	mg/kg	0.500		89.5	79-122	1.11	18.3	

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Jeremy D Allen, Laboratory Director

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Raymond Koon A1 Project Manager: Sabre Beebe	Reported: 08/12/22 16:37
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**VOLATILES BY GC/MS - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2080324 - Volatiles (Continued)

LCS Dup (2080324-BSD1) (Continued)

Prepared: 08/03/22 Analyzed: 08/04/22

Surrogate: Toluene-d8	1.22		mg/kg	1.25		97.9	90.4-109			
Total Xylenes	1.40	0.0750	mg/kg	1.50		93.0	74.6-130	1.34	16.5	

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Raymond Koon A1 Project Manager: Sabre Beebe	Reported: 08/12/22 16:37
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Polynuclear Aromatic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2080212 - SW-846 3550

Blank (2080212-BLK1)

Prepared: 08/02/22 Analyzed: 08/11/22

1-Methylnaphthalene	ND	0.040	mg/kg							
<i>Surrogate: 2-Fluorobiphenyl</i>	1.51		mg/kg	2.00		75.4	39.8-134			
2-Methylnaphthalene	ND	0.040	mg/kg							
Acenaphthene	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]flouranthene	ND	0.040	mg/kg							
Benzo[k]flouranthene	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							
<i>Surrogate: Nitrobenzene-d5</i>	1.28		mg/kg	2.00		63.9	39.6-121			
Pyrene	ND	0.040	mg/kg							
<i>Surrogate: Terphenyl-d14</i>	1.52		mg/kg	2.00		76.1	33.3-136			

LCS (2080212-BS1)

Prepared: 08/02/22 Analyzed: 08/11/22

1-Methylnaphthalene	0.334	0.040	mg/kg	0.400		83.4	57.6-108			
<i>Surrogate: 2-Fluorobiphenyl</i>	2.44		mg/kg	2.00		122	39.8-134			
2-Methylnaphthalene	0.333	0.040	mg/kg	0.400		83.2	59-106			
Acenaphthene	0.339	0.040	mg/kg	0.400		84.8	60.9-105			
Acenaphthylene	0.343	0.040	mg/kg	0.400		85.6	57.4-107			
Anthracene	0.348	0.040	mg/kg	0.400		87.1	60.8-105			
Benzo[a]anthracene	0.348	0.040	mg/kg	0.400		87.0	56.1-121			
Benzo[a]pyrene	0.347	0.040	mg/kg	0.400		86.8	56.7-115			
Benzo[b]flouranthene	0.190	0.040	mg/kg	0.400		47.5	45.4-128			
Benzo[g,h,i]perylene	0.371	0.040	mg/kg	0.400		92.8	56.5-107			
Benzo[k]flouranthene	0.291	0.040	mg/kg	0.400		72.9	49.6-119			
Carbazole	0.358	0.040	mg/kg	0.400		89.5	59.7-107			
Chrysene	0.361	0.040	mg/kg	0.400		90.2	12.2-190			
Dibenz[a,h]anthracene	0.355	0.040	mg/kg	0.400		88.8	59.1-111			
Fluoranthene	0.323	0.040	mg/kg	0.400		80.7	60.6-111			
Fluorene	0.345	0.040	mg/kg	0.400		86.1	59.3-108			
Indeno[1,2,3-cd]pyrene	0.334	0.040	mg/kg	0.400		83.5	53.4-116			
Naphthalene	0.345	0.040	mg/kg	0.400		86.3	56.5-106			

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Jeremy D Allen, Laboratory Director

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Raymond Koon A1 Project Manager: Sabre Beebe	Reported: 08/12/22 16:37
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**Polynuclear Aromatic Compounds by GC/MS - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2080212 - SW-846 3550 (Continued)

LCS (2080212-BS1) (Continued)

Prepared: 08/02/22 Analyzed: 08/11/22

<i>Surrogate: Nitrobenzene-d5</i>	2.07		mg/kg	2.00		103	39.6-121			
Phenanthrene	0.355	0.040	mg/kg	0.400		88.8	59.9-107			
Pyrene	0.357	0.040	mg/kg	0.400		89.2	51.5-122			
<i>Surrogate: Terphenyl-d14</i>	2.58		mg/kg	2.00		129	33.3-136			

LCS Dup (2080212-BSD1)

Prepared: 08/02/22 Analyzed: 08/11/22

1-Methylnaphthalene	0.342	0.040	mg/kg	0.400		85.4	57.6-108	2.44	6.22	
<i>Surrogate: 2-Fluorobiphenyl</i>	2.40		mg/kg	2.00		120	39.8-134			
2-Methylnaphthalene	0.343	0.040	mg/kg	0.400		85.9	59-106	3.10	6.23	
Acenaphthene	0.346	0.040	mg/kg	0.400		86.5	60.9-105	2.01	8.18	
Acenaphthylene	0.342	0.040	mg/kg	0.400		85.6	57.4-107	0.0409	5	
Anthracene	0.347	0.040	mg/kg	0.400		86.9	60.8-105	0.293	3.68	
Benzo[a]anthracene	0.348	0.040	mg/kg	0.400		87.0	56.1-121	0.0575	9.01	
Benzo[a]pyrene	0.341	0.040	mg/kg	0.400		85.1	56.7-115	1.96	4.92	
Benzo[b]fluoranthene	0.344	0.040	mg/kg	0.400		86.0	45.4-128	57.6	7.63	QR-04
Benzo[g,h,i]perylene	0.376	0.040	mg/kg	0.400		94.1	56.5-107	1.41	12.5	
Benzo[k]fluoranthene	0.334	0.040	mg/kg	0.400		83.5	49.6-119	13.6	10.6	QR-04
Carbazole	0.367	0.040	mg/kg	0.400		91.8	59.7-107	2.48	8.65	
Chrysene	0.366	0.040	mg/kg	0.400		91.4	12.2-190	1.30	21.8	
Dibenz[a,h]anthracene	0.353	0.040	mg/kg	0.400		88.2	59.1-111	0.715	11.6	
Fluoranthene	0.317	0.040	mg/kg	0.400		79.3	60.6-111	1.84	7.54	
Fluorene	0.338	0.040	mg/kg	0.400		84.5	59.3-108	1.95	5.49	
Indeno[1,2,3-cd]pyrene	0.314	0.040	mg/kg	0.400		78.5	53.4-116	6.21	22.3	
Naphthalene	0.351	0.040	mg/kg	0.400		87.7	56.5-106	1.60	4.56	
<i>Surrogate: Nitrobenzene-d5</i>	2.03		mg/kg	2.00		102	39.6-121			
Phenanthrene	0.341	0.040	mg/kg	0.400		85.2	59.9-107	4.13	5.21	
Pyrene	0.358	0.040	mg/kg	0.400		89.6	51.5-122	0.425	10.6	
<i>Surrogate: Terphenyl-d14</i>	2.56		mg/kg	2.00		128	33.3-136			

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Raymond Koon A1 Project Manager: Sabre Beebe	Reported: 08/12/22 16:37
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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- M5 Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
- 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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 FORM-006
 COC - Revision 6.0

Company or Client: SIMCOE, LLC		Bill to (if different):		ANALYSIS REQUEST	
Address: 1199 Main Ave, Suite 101		P.O. #: IKAV 00			
City: Durango	State: CO	Zip: 81301	Company:		
Phone #: (970) 769-9523	Atn:		Address:		
Contact Person: Sabre Beebe	City:		State:		
Email Report to: sabre.beebe@ikavenenergy.com	Phone #:		Zip:		
Project Name (optional): Raymond Koon #1	Email:				
Sampler Name (Print): Sabre Beebe					

Sample Name or Location	Date	Time	Matrix (check one)							# of containers										
			GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCED WATER	SOIL	DRINKING WATER	OTHER :											
2207-271	7/26/22	11:02								X	COGCC 915									
Point of Release	7/26/22	11:02									X	COGCC 910								
SS01																				
SS02																				
SS03																				
SS04																				
SS05																				
SS06																				
SS07																				
SS08																				
SS09																				
SS10																				

Relinquished By: <i>[Signature]</i>	Date: 7/26/22	Received By: <i>[Signature]</i>	Date: 7/26/22	ANALYTICAL DEMANDS:	Report to State? (Circle)
Relinquished By: <i>[Signature]</i>	Date: 11/15/21	Received By: <i>[Signature]</i>	Date: 11/15/21	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Relinquished By:	Date:	Received By:	Date:		
Relinquished By:	Date:	Received By:	Date:		

Temperature at receipt: 11.9c	CHECKED BY: DMS	On Ice: Yes	No Ice: <input type="checkbox"/>
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† GAL cannot always accept verbal changes. Please fax or email written change requests.
 * Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.