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22 November 2021

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 11/08/21 16:12. This data replaces the previous report (See case narrative). The data to follow was performed, in whole or in part, by a subcontract laboratory with an additional report attached.

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. TNI Certificate Number: T104704514-21-12.

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: T104704398-21-14



Simcoe LLC
1199 Main Ave Suite 101
Durango CO, 81301

Project: COGCC Table 915-1
Project Name / Number: Perino Water Transfer
Project Manager: Sabre Beebe

Reported:
11/22/21 12:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
W Tank Inlet	2111136-01	Solid	11/08/21 13:30	11/08/21 16:12	
W Tank Outlet	2111136-02	Solid	11/08/21 13:47	11/08/21 16:12	
E Tank Inlet	2111136-03	Solid	11/08/21 14:10	11/08/21 16:12	
E Tank Outlet	2111136-04	Solid	11/08/21 14:18	11/08/21 16:12	
Transfer House #1	2111136-05	Solid	11/08/21 14:40	11/08/21 16:12	
Transfer House #2	2111136-06	Solid	11/08/21 15:00	11/08/21 16:12	

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<p>Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301</p>	<p>Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe</p>	<p>Reported: 11/22/21 12:31</p>
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CrVI was added to the original requested analysis. This RE report is revised and replaces the original report dated 11/17/21.

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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W Tank Inlet

2111136-01 (Soil)

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

Hexavalent Chromium	<0.250	0.250	0.0543	mg/kg	25	11/22/21 12:18	3060A/3500-Cr D		JDA
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Saturated Paste Extraction

Calcium	26.2	0.500	0.289	mg/L	5	11/17/21 14:41	EPA200.7		JDA
Conductivity	2640			umho/cm @ 25.0°C	1	11/17/21 10:15	ASA#9 10-3.3		VJW
Magnesium	8.05	0.500	0.327	mg/L	5	11/17/21 14:41	EPA200.7		JDA
pH	8.62			pH Units	1	11/17/21 08:15	ASA#9 10-3.2		VJW
SAR	21.2			No Unit	1	11/17/21 14:40	Calculation		JDA
Sodium	484	5.00	0.396	mg/L	5	11/17/21 14:40	EPA200.7		JDA

Total Metals by ICP

Barium	314	5.00	0.390	mg/kg dry	100	11/15/21 19:20	6010B	MS	JDA
Cadmium	<5.00	5.00	1.10	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Chromium	9.03	5.00	0.400	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Copper	50.5	5.00	2.39	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Lead	<10.0	10.0	0.906	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Nickel	5.26	5.00	0.874	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Selenium	<20.0	20.0	4.70	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Silver	<1.00	1.00	0.688	mg/kg dry	100	11/15/21 19:20	6010B		JDA
Zinc	45.7	10.0	1.71	mg/kg dry	100	11/15/21 19:20	6010B		JDA

Total Metals by ICPMS

Arsenic	2.85	1.00	0.0950	mg/kg dry	1000	11/12/21 12:47	6020A		AES
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Hot Water Extractable

Boron	1.35	1.20	0.568	mg/L	4	11/16/21 17:30	EPA200.7		JDA
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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	11/12/21 15:40	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	11/12/21 15:40	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	11/12/21 15:40	8015B		MS

Surrogate: 1-Chlorooctane			88.3 %	44.3-133		11/12/21 15:40	8015B		MS
Surrogate: 1-Chlorooctadecane			83.9 %	38.9-142		11/12/21 15:40	8015B		MS

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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W Tank Inlet

2111136-01 (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	11/12/21 14:44	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	11/12/21 14:44	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	11/12/21 14:44	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	11/12/21 14:44	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	11/12/21 14:44	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	11/12/21 14:44	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	11/12/21 14:44	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	11/12/21 14:44	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	11/12/21 14:44	8260B		MS
Surrogate: Dibromofluoromethane			100 %	84.6-114		11/12/21 14:44	8260B		MS
Surrogate: Toluene-d8			103 %	90.4-109		11/12/21 14:44	8260B		MS
Surrogate: 4-Bromofluorobenzene			100 %	82.5-117		11/12/21 14:44	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	11/15/21 18:19	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 18:19	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	11/15/21 18:19	8270C		MS
Acenaphthylene*	<0.020	0.040	0.020	mg/kg	40	11/15/21 18:19	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	11/15/21 18:19	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	11/15/21 18:19	8270C		MS
Phenanthrene*	<0.021	0.040	0.021	mg/kg	40	11/15/21 18:19	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 18:19	8270C		MS
Carbazole*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:19	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:19	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	11/15/21 18:19	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 18:19	8270C		MS
Chrysene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 18:19	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:19	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	11/15/21 18:19	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	11/15/21 18:19	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 18:19	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:19	8270C		MS

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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W Tank Inlet

2111136-01 (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

Benzo[g,h,i]perylene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:19	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			69.0 %	39.6-121		11/15/21 18:19	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			72.5 %	39.8-134		11/15/21 18:19	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			75.8 %	33.3-136		11/15/21 18:19	8270C		MS

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W Tank Outlet

2111136-02 (Soil)

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

Hexavalent Chromium	<0.250	0.250	0.0543	mg/kg	25	11/22/21 12:18	3060A/3500-Cr D	M5	JDA
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Saturated Paste Extraction

Calcium	22.2	0.500	0.289	mg/L	5	11/17/21 14:45	EPA200.7		JDA
Conductivity	2540			umho/cm @ 25.0°C	1	11/17/21 10:15	ASA#9 10-3.3		VJW
Magnesium	5.92	0.500	0.327	mg/L	5	11/17/21 14:45	EPA200.7		JDA
pH	8.57			pH Units	1	11/17/21 08:15	ASA#9 10-3.2		VJW
SAR	21.5			No Unit	1	11/17/21 14:45	Calculation		JDA
Sodium	441	5.00	0.396	mg/L	5	11/17/21 14:45	EPA200.7		JDA

Total Metals by ICP

Barium	422	5.00	0.390	mg/kg dry	100	11/15/21 19:32	6010B		JDA
Cadmium	<5.00	5.00	1.10	mg/kg dry	100	11/15/21 19:33	6010B		JDA
Chromium	7.97	5.00	0.400	mg/kg dry	100	11/15/21 19:33	6010B		JDA
Copper	24.2	5.00	2.39	mg/kg dry	100	11/15/21 19:32	6010B		JDA
Lead	<10.0	10.0	0.906	mg/kg dry	100	11/15/21 19:33	6010B		JDA
Nickel	5.53	5.00	0.874	mg/kg dry	100	11/15/21 19:33	6010B		JDA
Selenium	<20.0	20.0	4.70	mg/kg dry	100	11/15/21 19:32	6010B		JDA
Silver	<1.00	1.00	0.688	mg/kg dry	100	11/15/21 19:32	6010B		JDA
Zinc	38.9	10.0	1.71	mg/kg dry	100	11/15/21 19:33	6010B		JDA

Total Metals by ICPMS

Arsenic	7.30	1.00	0.0950	mg/kg dry	1000	11/12/21 12:51	6020A		AES
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Hot Water Extractable

Boron	1.66	1.20	0.568	mg/L	4	11/16/21 17:38	EPA200.7		JDA
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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	11/12/21 15:56	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	11/12/21 15:56	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	11/12/21 15:56	8015B		MS

Surrogate: 1-Chlorooctane			106 %	44.3-133		11/12/21 15:56	8015B		MS
Surrogate: 1-Chlorooctadecane			105 %	38.9-142		11/12/21 15:56	8015B		MS

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W Tank Outlet

2111136-02 (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	11/12/21 15:04	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	11/12/21 15:04	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	11/12/21 15:04	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	11/12/21 15:04	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	11/12/21 15:04	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	11/12/21 15:04	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	11/12/21 15:04	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	11/12/21 15:04	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	11/12/21 15:04	8260B		MS
Surrogate: Dibromofluoromethane			100 %	84.6-114		11/12/21 15:04	8260B		MS
Surrogate: Toluene-d8			102 %	90.4-109		11/12/21 15:04	8260B		MS
Surrogate: 4-Bromofluorobenzene			96.0 %	82.5-117		11/12/21 15:04	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	11/15/21 18:49	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 18:49	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	11/15/21 18:49	8270C		MS
Acenaphthylene*	<0.020	0.040	0.020	mg/kg	40	11/15/21 18:49	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	11/15/21 18:49	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	11/15/21 18:49	8270C		MS
Phenanthrene*	<0.021	0.040	0.021	mg/kg	40	11/15/21 18:49	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 18:49	8270C		MS
Carbazole*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:49	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:49	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	11/15/21 18:49	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 18:49	8270C		MS
Chrysene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 18:49	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:49	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	11/15/21 18:49	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	11/15/21 18:49	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 18:49	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:49	8270C		MS

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Debbie Zufelt, Reports Manager

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W Tank Outlet

2111136-02 (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

Benzo[g,h,i]perylene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 18:49	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			70.2 %	39.6-121		11/15/21 18:49	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			79.5 %	39.8-134		11/15/21 18:49	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			82.0 %	33.3-136		11/15/21 18:49	8270C		MS

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E Tank Inlet

2111136-03 (Soil)

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

Hexavalent Chromium	0.326	0.250	0.0543	mg/kg	25	11/22/21 12:18	3060A/3500-Cr D		JDA
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Saturated Paste Extraction

Calcium	34.0	0.100	0.058	mg/L	1	11/17/21 14:48	EPA200.7		JDA
Conductivity	505			umho/cm @ 25.0°C	1	11/17/21 10:15	ASA#9 10-3.3		VJW
Magnesium	7.52	0.100	0.065	mg/L	1	11/17/21 14:48	EPA200.7		JDA
pH	7.80			pH Units	1	11/17/21 08:15	ASA#9 10-3.2		VJW
SAR	2.18			No Unit	1	11/17/21 14:48	Calculation		JDA
Sodium	53.8	1.00	0.079	mg/L	1	11/17/21 14:48	EPA200.7		JDA

Total Metals by ICP

Barium	470	5.00	0.390	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Cadmium	<5.00	5.00	1.10	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Chromium	15.9	5.00	0.400	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Copper	594	5.00	2.39	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Lead	42.2	10.0	0.906	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Nickel	6.92	5.00	0.874	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Selenium	<20.0	20.0	4.70	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Silver	1.07	1.00	0.688	mg/kg dry	100	11/15/21 19:45	6010B		JDA
Zinc	101	10.0	1.71	mg/kg dry	100	11/15/21 19:45	6010B		JDA

Total Metals by ICPMS

Arsenic	6.70	1.00	0.0950	mg/kg dry	1000	11/12/21 12:54	6020A	M5	AES
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Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	11/16/21 17:43	EPA200.7		JDA
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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	11/12/21 16:14	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	11/12/21 16:14	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	11/12/21 16:14	8015B		MS

Surrogate: 1-Chlorooctane			110 %	44.3-133		11/12/21 16:14	8015B		MS
Surrogate: 1-Chlorooctadecane			110 %	38.9-142		11/12/21 16:14	8015B		MS

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Simcoe LLC
1199 Main Ave Suite 101
Durango CO, 81301

Project: COGCC Table 915-1
Project Name / Number: Perino Water Transfer
Project Manager: Sabre Beebe

Reported:
11/22/21 12:31

E Tank Inlet

2111136-03 (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	11/12/21 15:23	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	11/12/21 15:23	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	11/12/21 15:23	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	11/12/21 15:23	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	11/12/21 15:23	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	11/12/21 15:23	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	11/12/21 15:23	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	11/12/21 15:23	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	11/12/21 15:23	8260B		MS
Surrogate: Dibromofluoromethane			101 %	84.6-114		11/12/21 15:23	8260B		MS
Surrogate: Toluene-d8			102 %	90.4-109		11/12/21 15:23	8260B		MS
Surrogate: 4-Bromofluorobenzene			98.1 %	82.5-117		11/12/21 15:23	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	11/15/21 19:20	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 19:20	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	11/15/21 19:20	8270C		MS
Acenaphthylene*	<0.020	0.040	0.020	mg/kg	40	11/15/21 19:20	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	11/15/21 19:20	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	11/15/21 19:20	8270C		MS
Phenanthrene*	<0.021	0.040	0.021	mg/kg	40	11/15/21 19:20	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 19:20	8270C		MS
Carbazole*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:20	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:20	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	11/15/21 19:20	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 19:20	8270C		MS
Chrysene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 19:20	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:20	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	11/15/21 19:20	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	11/15/21 19:20	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 19:20	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:20	8270C		MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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E Tank Inlet

2111136-03 (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

Benzo[g,h,i]perylene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:20	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			71.8 %	39.6-121		11/15/21 19:20	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			76.7 %	39.8-134		11/15/21 19:20	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			80.0 %	33.3-136		11/15/21 19:20	8270C		MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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E Tank Outlet

2111136-04 (Soil)

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

Hexavalent Chromium	<0.250	0.250	0.0543	mg/kg	25	11/22/21 12:18	3060A/3500-Cr D		JDA
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Saturated Paste Extraction

Calcium	31.2	0.100	0.058	mg/L	1	11/17/21 14:50	EPA200.7		JDA
Conductivity	388			umho/cm @ 25.0°C	1	11/17/21 10:15	ASA#9 10-3.3		VJW
Magnesium	6.33	0.100	0.065	mg/L	1	11/17/21 14:50	EPA200.7		JDA
pH	7.79			pH Units	1	11/17/21 08:15	ASA#9 10-3.2		VJW
SAR	1.72			No Unit	1	11/17/21 14:50	Calculation		JDA
Sodium	40.4	1.00	0.079	mg/L	1	11/17/21 14:50	EPA200.7		JDA

Total Metals by ICP

Barium	366	5.00	0.390	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Cadmium	<5.00	5.00	1.10	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Chromium	8.96	5.00	0.400	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Copper	18.7	5.00	2.39	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Lead	11.0	10.0	0.906	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Nickel	5.12	5.00	0.874	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Selenium	<20.0	20.0	4.70	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Silver	<1.00	1.00	0.688	mg/kg dry	100	11/15/21 19:49	6010B		JDA
Zinc	40.1	10.0	1.71	mg/kg dry	100	11/15/21 19:49	6010B		JDA

Total Metals by ICPMS

Arsenic	2.76	1.00	0.0950	mg/kg dry	1000	11/12/21 13:11	6020A		AES
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Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	11/16/21 17:45	EPA200.7		JDA
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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	11/12/21 16:31	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	11/12/21 16:31	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	11/12/21 16:31	8015B		MS

Surrogate: 1-Chlorooctane			103 %	44.3-133		11/12/21 16:31	8015B		MS
Surrogate: 1-Chlorooctadecane			103 %	38.9-142		11/12/21 16:31	8015B		MS

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Simcoe LLC
1199 Main Ave Suite 101
Durango CO, 81301

Project: COGCC Table 915-1
Project Name / Number: Perino Water Transfer
Project Manager: Sabre Beebe

Reported:
11/22/21 12:31

E Tank Outlet

2111136-04 (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	11/12/21 15:44	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	11/12/21 15:44	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	11/12/21 15:44	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	11/12/21 15:44	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	11/12/21 15:44	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	11/12/21 15:44	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	11/12/21 15:44	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	11/12/21 15:44	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	11/12/21 15:44	8260B		MS
Surrogate: Dibromofluoromethane			100 %	84.6-114		11/12/21 15:44	8260B		MS
Surrogate: Toluene-d8			102 %	90.4-109		11/12/21 15:44	8260B		MS
Surrogate: 4-Bromofluorobenzene			96.1 %	82.5-117		11/12/21 15:44	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	11/15/21 19:49	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 19:49	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	11/15/21 19:49	8270C		MS
Acenaphthylene*	<0.020	0.040	0.020	mg/kg	40	11/15/21 19:49	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	11/15/21 19:49	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	11/15/21 19:49	8270C		MS
Phenanthrene*	<0.021	0.040	0.021	mg/kg	40	11/15/21 19:49	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 19:49	8270C		MS
Carbazole*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:49	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:49	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	11/15/21 19:49	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 19:49	8270C		MS
Chrysene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 19:49	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:49	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	11/15/21 19:49	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	11/15/21 19:49	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 19:49	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:49	8270C		MS

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Debbie Zufelt, Reports Manager

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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E Tank Outlet

2111136-04 (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

Benzo[g,h,i]perylene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 19:49	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			72.8 %	39.6-121		11/15/21 19:49	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			78.7 %	39.8-134		11/15/21 19:49	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			87.9 %	33.3-136		11/15/21 19:49	8270C		MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Transfer House #1

2111136-05 (Soil)

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

Hexavalent Chromium	<0.250	0.250	0.0543	mg/kg	25	11/22/21 12:18	3060A/3500-Cr D		JDA
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Saturated Paste Extraction

Calcium	21.0	0.100	0.058	mg/L	1	11/17/21 14:52	EPA200.7		JDA
Conductivity	1160			umho/cm @ 25.0°C	1	11/17/21 10:15	ASA#9 10-3.3		VJW
Magnesium	5.52	0.100	0.065	mg/L	1	11/17/21 14:52	EPA200.7		JDA
pH	8.10			pH Units	1	11/17/21 08:15	ASA#9 10-3.2		VJW
SAR	9.79			No Unit	1	11/17/21 14:52	Calculation		JDA
Sodium	195	1.00	0.079	mg/L	1	11/17/21 14:52	EPA200.7		JDA

Total Metals by ICP

Barium	530	5.00	0.390	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Cadmium	<5.00	5.00	1.10	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Chromium	7.03	5.00	0.400	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Copper	24.7	5.00	2.39	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Lead	11.1	10.0	0.906	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Nickel	16.0	5.00	0.874	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Selenium	<20.0	20.0	4.70	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Silver	<1.00	1.00	0.688	mg/kg dry	100	11/15/21 19:58	6010B		JDA
Zinc	55.0	10.0	1.71	mg/kg dry	100	11/15/21 19:58	6010B		JDA

Total Metals by ICPMS

Arsenic	2.78	1.00	0.0950	mg/kg dry	1000	11/12/21 13:21	6020A		AES
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Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	11/16/21 17:47	EPA200.7		JDA
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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	11/12/21 16:48	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	11/12/21 16:48	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	11/12/21 16:48	8015B		MS

Surrogate: 1-Chlorooctane			108 %	44.3-133		11/12/21 16:48	8015B		MS
Surrogate: 1-Chlorooctadecane			107 %	38.9-142		11/12/21 16:48	8015B		MS

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Debbie Zufelt, Reports Manager

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Transfer House #1

2111136-05 (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	11/12/21 16:03	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	11/12/21 16:03	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	11/12/21 16:03	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	11/12/21 16:03	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	11/12/21 16:03	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	11/12/21 16:03	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	11/12/21 16:03	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	11/12/21 16:03	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	11/12/21 16:03	8260B		MS
Surrogate: Dibromofluoromethane			97.6 %	84.6-114		11/12/21 16:03	8260B		MS
Surrogate: Toluene-d8			103 %	90.4-109		11/12/21 16:03	8260B		MS
Surrogate: 4-Bromofluorobenzene			95.6 %	82.5-117		11/12/21 16:03	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	11/15/21 20:19	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 20:19	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	11/15/21 20:19	8270C		MS
Acenaphthylene*	<0.020	0.040	0.020	mg/kg	40	11/15/21 20:19	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	11/15/21 20:19	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	11/15/21 20:19	8270C		MS
Phenanthrene*	<0.021	0.040	0.021	mg/kg	40	11/15/21 20:19	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 20:19	8270C		MS
Carbazole*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:19	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:19	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	11/15/21 20:19	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 20:19	8270C		MS
Chrysene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 20:19	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:19	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	11/15/21 20:19	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	11/15/21 20:19	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 20:19	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:19	8270C		MS

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Transfer House #1

2111136-05 (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

Benzo[g,h,i]perylene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:19	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			68.7 %	39.6-121		11/15/21 20:19	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			78.2 %	39.8-134		11/15/21 20:19	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			81.7 %	33.3-136		11/15/21 20:19	8270C		MS

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Transfer House #2

2111136-06 (Soil)

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

Hexavalent Chromium	0.270	0.250	0.0543	mg/kg	25	11/22/21 12:18	3060A/3500-Cr D		JDA
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Saturated Paste Extraction

Calcium	66.0	0.500	0.289	mg/L	5	11/17/21 14:54	EPA200.7		JDA
Conductivity	3840			umho/cm @ 25.0°C	1	11/17/21 10:15	ASA#9 10-3.3		VJW
Magnesium	14.7	0.500	0.327	mg/L	5	11/17/21 14:54	EPA200.7		JDA
pH	8.28			pH Units	1	11/17/21 08:15	ASA#9 10-3.2		VJW
SAR	17.8			No Unit	1	11/17/21 14:54	Calculation		JDA
Sodium	614	5.00	0.396	mg/L	5	11/17/21 14:54	EPA200.7		JDA

Total Metals by ICP

Barium	269	5.00	0.390	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Cadmium	<5.00	5.00	1.10	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Chromium	10.2	5.00	0.400	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Copper	19.1	5.00	2.39	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Lead	<10.0	10.0	0.906	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Nickel	5.24	5.00	0.874	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Selenium	<20.0	20.0	4.70	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Silver	<1.00	1.00	0.688	mg/kg dry	100	11/15/21 20:02	6010B		JDA
Zinc	39.3	10.0	1.71	mg/kg dry	100	11/15/21 20:02	6010B		JDA

Total Metals by ICPMS

Arsenic	3.27	1.00	0.0950	mg/kg dry	1000	11/12/21 13:25	6020A		AES
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Hot Water Extractable

Boron	1.28	1.20	0.568	mg/L	4	11/16/21 17:49	EPA200.7		JDA
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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	11/12/21 17:04	8015B		MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	11/12/21 17:04	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	11/12/21 17:04	8015B		MS

Surrogate: 1-Chlorooctane			103 %	44.3-133		11/12/21 17:04	8015B		MS
Surrogate: 1-Chlorooctadecane			103 %	38.9-142		11/12/21 17:04	8015B		MS

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Transfer House #2

2111136-06 (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	11/12/21 16:23	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	11/12/21 16:23	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	11/12/21 16:23	8260B		MS
m+p - Xylene*	<0.0500	0.0500	0.0186	mg/kg	50	11/12/21 16:23	8260B		MS
o-Xylene*	<0.0250	0.0250	0.00700	mg/kg	50	11/12/21 16:23	8260B		MS
Total Xylenes*	<0.0750	0.0750	0.0256	mg/kg	50	11/12/21 16:23	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	11/12/21 16:23	8260B		MS
1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	11/12/21 16:23	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	11/12/21 16:23	8260B		MS
Surrogate: Dibromofluoromethane			98.2 %	84.6-114		11/12/21 16:23	8260B		MS
Surrogate: Toluene-d8			102 %	90.4-109		11/12/21 16:23	8260B		MS
Surrogate: 4-Bromofluorobenzene			95.8 %	82.5-117		11/12/21 16:23	8260B		MS

Polynuclear Aromatic Compounds by GC/MS

Naphthalene*	<0.015	0.040	0.015	mg/kg	40	11/15/21 20:49	8270C		MS
2-Methylnaphthalene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 20:49	8270C		MS
1-Methylnaphthalene	<0.016	0.040	0.016	mg/kg	40	11/15/21 20:49	8270C		MS
Acenaphthylene*	<0.020	0.040	0.020	mg/kg	40	11/15/21 20:49	8270C		MS
Acenaphthene*	<0.024	0.040	0.024	mg/kg	40	11/15/21 20:49	8270C		MS
Fluorene*	<0.014	0.040	0.014	mg/kg	40	11/15/21 20:49	8270C		MS
Phenanthrene*	<0.021	0.040	0.021	mg/kg	40	11/15/21 20:49	8270C		MS
Anthracene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 20:49	8270C		MS
Carbazole*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:49	8270C		MS
Fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:49	8270C		MS
Pyrene*	<0.013	0.040	0.013	mg/kg	40	11/15/21 20:49	8270C		MS
Benzo[a]anthracene*	<0.023	0.040	0.023	mg/kg	40	11/15/21 20:49	8270C		MS
Chrysene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 20:49	8270C		MS
Benzo[b]fluoranthene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:49	8270C		MS
Benzo[k]fluoranthene*	<0.016	0.040	0.016	mg/kg	40	11/15/21 20:49	8270C		MS
Benzo[a]pyrene*	<0.018	0.040	0.018	mg/kg	40	11/15/21 20:49	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.017	0.040	0.017	mg/kg	40	11/15/21 20:49	8270C		MS
Dibenz[a,h]anthracene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:49	8270C		MS

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Transfer House #2

2111136-06 (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

Benzo[g,h,i]perylene*	<0.019	0.040	0.019	mg/kg	40	11/15/21 20:49	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			77.8 %	39.6-121		11/15/21 20:49	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			87.1 %	39.8-134		11/15/21 20:49	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			90.3 %	33.3-136		11/15/21 20:49	8270C		MS

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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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 B212863 - General Prep - Wet Chem										
Blank (B212863-BLK1) Prepared: 11/19/21 Analyzed: 11/22/21										
Hexavalent Chromium	ND	0.250	mg/kg							
LCS (B212863-BS1) Prepared: 11/19/21 Analyzed: 11/22/21										
Hexavalent Chromium	2.40	0.250	mg/kg	2.50		95.9	85-115			

Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B212818 - Paste Extract										
Blank (B212818-BLK1) Prepared: 11/16/21 Analyzed: 11/17/21										
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
Sodium	ND	1.00	mg/L							
Duplicate (B212818-DUP1) Source: 2111136-01 Prepared: 11/16/21 Analyzed: 11/17/21										
Calcium	27.0	0.500	mg/L		26.2			3.08	20	
Magnesium	6.43	0.500	mg/L		8.05			22.5	20	R1
SAR	21.7		No Unit		21.2			2.24	20	
Sodium	483	5.00	mg/L		484			0.187	20	
Reference (B212818-SRM1) Prepared: 11/16/21 Analyzed: 11/17/21										
SAR	11.7		No Unit	11.7		100	90-110			

Batch B212819 - Paste Extract										
Duplicate (B212819-DUP1) Source: 2111136-01 Prepared: 11/16/21 Analyzed: 11/17/21										
pH	8.59		pH Units		8.62			0.349	20	
Reference (B212819-SRM1) Prepared: 11/16/21 Analyzed: 11/17/21										
pH	6.20		pH Units	6.32		98.1	92-108			

Batch B212820 - Paste Extract										
Duplicate (B212820-DUP1) Source: 2111136-01 Prepared: 11/16/21 Analyzed: 11/17/21										
Conductivity	2660		umho/cm @ 25.0°C		2640			0.717	20	

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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**Saturated Paste Extraction - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B212820 - Paste Extract (Continued)

Reference (B212820-SRM1)

Prepared: 11/16/21 Analyzed: 11/17/21

Conductivity	15300		umho/cm @ 25.0°C	14700		104	90-110			
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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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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 B212776 - EPA 3050

Blank (B212776-BLK1)

Prepared: 11/11/21 Analyzed: 11/15/21

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							
Zinc	ND	10.0	mg/kg dry							

LCS (B212776-BS1)

Prepared: 11/11/21 Analyzed: 11/15/21

Barium	89.9	5.00	mg/kg dry	100		89.9	80-120			
Cadmium	85.9	5.00	mg/kg dry	100		85.9	80-120			
Chromium	94.6	5.00	mg/kg dry	100		94.6	80-120			
Copper	192	5.00	mg/kg dry	200		95.9	80-120			
Lead	86.9	10.0	mg/kg dry	100		86.9	80-120			
Nickel	89.0	5.00	mg/kg dry	100		89.0	80-120			
Selenium	372	20.0	mg/kg dry	400		93.1	80-120			
Silver	4.68	1.00	mg/kg dry	5.00		93.7	80-120			
Zinc	81.3	10.0	mg/kg dry	100		81.3	80-120			

LCS Dup (B212776-BSD1)

Prepared: 11/11/21 Analyzed: 11/15/21

Barium	89.4	5.00	mg/kg dry	100		89.4	80-120	0.552	20	
Cadmium	81.8	5.00	mg/kg dry	100		81.8	80-120	4.85	20	
Chromium	90.4	5.00	mg/kg dry	100		90.4	80-120	4.52	20	
Copper	191	5.00	mg/kg dry	200		95.6	80-120	0.341	20	
Lead	82.7	10.0	mg/kg dry	100		82.7	80-120	4.92	20	
Nickel	84.5	5.00	mg/kg dry	100		84.5	80-120	5.18	20	
Selenium	372	20.0	mg/kg dry	400		93.1	80-120	0.0157	20	
Silver	4.70	1.00	mg/kg dry	5.00		94.0	80-120	0.337	20	
Zinc	86.7	10.0	mg/kg dry	100		86.7	80-120	6.46	20	

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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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 B212777 - EPA 3050M

Blank (B212777-BLK1)

Prepared: 11/11/21 Analyzed: 11/12/21

Arsenic	ND	0.100	mg/kg dry							
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LCS (B212777-BS1)

Prepared: 11/11/21 Analyzed: 11/12/21

Arsenic	5.14	0.100	mg/kg dry	5.00		103	80-120			
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LCS Dup (B212777-BSD1)

Prepared: 11/11/21 Analyzed: 11/12/21

Arsenic	5.22	0.100	mg/kg dry	5.00		104	80-120	1.52	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 B212788 - Hot Water Soluble Metals Extract

Blank (B212788-BLK1)

Prepared: 11/12/21 Analyzed: 11/16/21

Boron	ND	1.20	mg/L							
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Duplicate (B212788-DUP1)

Source: 2111136-01 Prepared: 11/12/21 Analyzed: 11/16/21

Boron	1.31	1.20	mg/L		1.35			2.97	200	
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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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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 1111207 - General Prep - Organics

Blank (1111207-BLK1)

Prepared & Analyzed: 11/12/21

Surrogate: 1-Chlorooctadecane	44.9		mg/kg	50.0		89.8	38.9-142			
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.5	44.3-133			
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 (1111207-BS1)

Prepared & Analyzed: 11/12/21

Surrogate: 1-Chlorooctadecane	47.4		mg/kg	50.0		94.8	38.9-142			
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	44.3-133			
DRO >C10-C28	213	10.0	mg/kg	200		106	79.3-136			
GRO C6-C10	218	10.0	mg/kg	200		109	83.4-129			
Total TPH C6-C28	431	10.0	mg/kg	400		108	85.3-130			

LCS Dup (1111207-BSD1)

Prepared & Analyzed: 11/12/21

Surrogate: 1-Chlorooctadecane	46.5		mg/kg	50.0		93.1	38.9-142			
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	44.3-133			
DRO >C10-C28	209	10.0	mg/kg	200		105	79.3-136	1.58	12.1	
GRO C6-C10	215	10.0	mg/kg	200		107	83.4-129	1.58	12.6	
Total TPH C6-C28	424	10.0	mg/kg	400		106	85.3-130	1.58	11.6	

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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 1111206 - Volatiles

Blank (1111206-BLK1)

Prepared & Analyzed: 11/12/21

1,2,4-Trimethylbenzene	ND	0.0250	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0250	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene</i>	1.16		mg/kg	1.25		93.0	82.5-117			
Benzene	ND	0.0250	mg/kg							
<i>Surrogate: Dibromofluoromethane</i>	1.23		mg/kg	1.25		98.1	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>	1.26		mg/kg	1.25		101	90.4-109			
Total Xylenes	ND	0.0750	mg/kg							

LCS (1111206-BS1)

Prepared & Analyzed: 11/12/21

1,2,4-Trimethylbenzene	0.491	0.0250	mg/kg	0.500		98.1	62.4-140			
1,3,5-Trimethylbenzene	0.488	0.0250	mg/kg	0.500		97.7	64.4-138			
<i>Surrogate: 4-Bromofluorobenzene</i>	1.29		mg/kg	1.25		103	82.5-117			
Benzene	0.476	0.0250	mg/kg	0.500		95.2	73-130			
<i>Surrogate: Dibromofluoromethane</i>	1.24		mg/kg	1.25		99.2	84.6-114			
Ethylbenzene	0.505	0.0250	mg/kg	0.500		101	75.4-127			
m+p - Xylene	0.980	0.0500	mg/kg	1.00		98.0	71.8-133			
Naphthalene	0.399	0.0250	mg/kg	0.500		79.7	28.7-158			
o-Xylene	0.467	0.0250	mg/kg	0.500		93.4	78.6-125			
Toluene	0.484	0.0250	mg/kg	0.500		96.7	79-122			
<i>Surrogate: Toluene-d8</i>	1.29		mg/kg	1.25		103	90.4-109			
Total Xylenes	1.45	0.0750	mg/kg	1.50		96.5	74.6-130			

LCS Dup (1111206-BS1)

Prepared & Analyzed: 11/12/21

1,2,4-Trimethylbenzene	0.487	0.0250	mg/kg	0.500		97.3	62.4-140	0.794	38.2	
1,3,5-Trimethylbenzene	0.479	0.0250	mg/kg	0.500		95.8	64.4-138	1.94	39.1	
<i>Surrogate: 4-Bromofluorobenzene</i>	1.25		mg/kg	1.25		99.9	82.5-117			
Benzene	0.475	0.0250	mg/kg	0.500		95.0	73-130	0.189	17.1	
<i>Surrogate: Dibromofluoromethane</i>	1.25		mg/kg	1.25		100	84.6-114			
Ethylbenzene	0.494	0.0250	mg/kg	0.500		98.7	75.4-127	2.27	16.5	
m+p - Xylene	0.968	0.0500	mg/kg	1.00		96.8	71.8-133	1.26	19.1	
Naphthalene	0.366	0.0250	mg/kg	0.500		73.2	28.7-158	8.59	64	
o-Xylene	0.452	0.0250	mg/kg	0.500		90.5	78.6-125	3.19	13.2	
Toluene	0.479	0.0250	mg/kg	0.500		95.7	79-122	1.04	18.3	

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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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 1111206 - Volatiles (Continued)

LCS Dup (1111206-bsd1) (Continued)

Prepared & Analyzed: 11/12/21

<i>Surrogate: Toluene-d8</i>	1.27		mg/kg	1.25		102	90.4-109			
Total Xylenes	1.42	0.0750	mg/kg	1.50		94.7	74.6-130	1.88	16.5	

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Simcoe LLC
1199 Main Ave Suite 101
Durango CO, 81301

Project: COGCC Table 915-1
Project Name / Number: Perino Water Transfer
Project Manager: Sabre Beebe

Reported:
11/22/21 12:31

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 111116 - SW846-3510

Blank (111116-BLK1)

Prepared: 11/11/21 Analyzed: 11/15/21

1-Methylnaphthalene	ND	0.040	mg/kg							
<i>Surrogate: 2-Fluorobiphenyl</i>	1.59		mg/kg	2.00		79.5	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>	1.50		mg/kg	2.00		75.0	39.6-121			
Pyrene	ND	0.040	mg/kg							
<i>Surrogate: Terphenyl-d14</i>	1.78		mg/kg	2.00		89.1	33.3-136			

LCS (111116-BS1)

Prepared: 11/11/21 Analyzed: 11/15/21

1-Methylnaphthalene	0.370	0.040	mg/kg	0.400		92.5	57.6-108			
<i>Surrogate: 2-Fluorobiphenyl</i>	1.65		mg/kg	2.00		82.4	39.8-134			
2-Methylnaphthalene	0.360	0.040	mg/kg	0.400		90.1	59-106			
Acenaphthene	0.354	0.040	mg/kg	0.400		88.4	60.9-105			
Acenaphthylene	0.344	0.040	mg/kg	0.400		86.0	57.4-107			
Anthracene	0.333	0.040	mg/kg	0.400		83.2	60.8-105			
Benzo[a]anthracene	0.343	0.040	mg/kg	0.400		85.7	56.1-121			
Benzo[a]pyrene	0.291	0.040	mg/kg	0.400		72.9	56.7-115			
Benzo[b]flouranthene	0.330	0.040	mg/kg	0.400		82.5	45.4-128			
Benzo[g,h,i]perylene	0.343	0.040	mg/kg	0.400		85.6	56.5-107			
Benzo[k]flouranthene	0.325	0.040	mg/kg	0.400		81.4	49.6-119			
Carbazole	0.322	0.040	mg/kg	0.400		80.6	59.7-107			
Chrysene	0.336	0.040	mg/kg	0.400		84.1	12.2-190			
Dibenz[a,h]anthracene	0.346	0.040	mg/kg	0.400		86.5	59.1-111			
Fluoranthene	0.344	0.040	mg/kg	0.400		86.0	60.6-111			
Fluorene	0.350	0.040	mg/kg	0.400		87.4	59.3-108			
Indeno[1,2,3-cd]pyrene	0.314	0.040	mg/kg	0.400		78.5	53.4-116			
Naphthalene	0.364	0.040	mg/kg	0.400		91.0	56.5-106			

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Simcoe LLC 1199 Main Ave Suite 101 Durango CO, 81301	Project: COGCC Table 915-1 Project Name / Number: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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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 111116 - SW846-3510 (Continued)

LCS (111116-BS1) (Continued)

Prepared: 11/11/21 Analyzed: 11/15/21

<i>Surrogate: Nitrobenzene-d5</i>	1.69		mg/kg	2.00		84.3	39.6-121			
Phenanthrene	0.335	0.040	mg/kg	0.400		83.7	59.9-107			
Pyrene	0.337	0.040	mg/kg	0.400		84.2	51.5-122			
<i>Surrogate: Terphenyl-d14</i>	1.72		mg/kg	2.00		86.1	33.3-136			

LCS Dup (111116-BS1)

Prepared: 11/11/21 Analyzed: 11/15/21

1-Methylnaphthalene	0.370	0.040	mg/kg	0.400		92.5	57.6-108	0.0243	6.22	
<i>Surrogate: 2-Fluorobiphenyl</i>	1.69		mg/kg	2.00		84.5	39.8-134			
2-Methylnaphthalene	0.344	0.040	mg/kg	0.400		86.0	59-106	4.72	6.23	
Acenaphthene	0.369	0.040	mg/kg	0.400		92.3	60.9-105	4.30	8.18	
Acenaphthylene	0.352	0.040	mg/kg	0.400		88.0	57.4-107	2.33	5	
Anthracene	0.328	0.040	mg/kg	0.400		81.9	60.8-105	1.50	3.68	
Benzo[a]anthracene	0.329	0.040	mg/kg	0.400		82.2	56.1-121	4.15	9.01	
Benzo[a]pyrene	0.281	0.040	mg/kg	0.400		70.3	56.7-115	3.63	4.92	
Benzo[b]fluoranthene	0.323	0.040	mg/kg	0.400		80.9	45.4-128	1.94	7.63	
Benzo[g,h,i]perylene	0.341	0.040	mg/kg	0.400		85.1	56.5-107	0.577	12.5	
Benzo[k]fluoranthene	0.335	0.040	mg/kg	0.400		83.8	49.6-119	2.92	10.6	
Carbazole	0.344	0.040	mg/kg	0.400		85.9	59.7-107	6.45	8.65	
Chrysene	0.336	0.040	mg/kg	0.400		83.9	12.2-190	0.194	21.8	
Dibenz[a,h]anthracene	0.332	0.040	mg/kg	0.400		83.0	59.1-111	4.10	11.6	
Fluoranthene	0.345	0.040	mg/kg	0.400		86.3	60.6-111	0.369	7.54	
Fluorene	0.351	0.040	mg/kg	0.400		87.8	59.3-108	0.414	5.49	
Indeno[1,2,3-cd]pyrene	0.316	0.040	mg/kg	0.400		79.0	53.4-116	0.730	22.3	
Naphthalene	0.352	0.040	mg/kg	0.400		88.0	56.5-106	3.33	4.56	
<i>Surrogate: Nitrobenzene-d5</i>	1.58		mg/kg	2.00		78.9	39.6-121			
Phenanthrene	0.329	0.040	mg/kg	0.400		82.4	59.9-107	1.65	5.21	
Pyrene	0.325	0.040	mg/kg	0.400		81.3	51.5-122	3.49	10.6	
<i>Surrogate: Terphenyl-d14</i>	1.68		mg/kg	2.00		84.0	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: Perino Water Transfer Project Manager: Sabre Beebe	Reported: 11/22/21 12:31
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Notes and Definitions

- R1 Duplicate sample RPD exceeded laboratory acceptance criteria. Sample(s) may be difficult to homogenize.
- 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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